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(iv) The data and information submitted in support of the petition.

(v) The notice of filing of the petition.

(3) Any order issued under §180.29(f) of this chapter to which the objection related, the regulation that was the subject of that order, and each related Notice of Proposed Rulemaking.

(4) The comments submitted by members of the public in response to the Notice of Filing or Notice of Proposed Rulemaking, and the information submitted as part of the comments, the Administrator's response to comments and the documents or information relied on by the Administrator in issuing the regulation or order.

(5) All other documents or information submitted to the docket for the rulemaking in question under parts 177 or part 180 of this chapter.

(6) The Notice of Hearing published under §179.20.

(7) All notices of participation filed under §179.42.

(8) Any FEDERAL REGISTER notice issued under this part that pertains to the proceeding.

(9) All submissions filed under §179.80.

(10) Any document of which official notice was taken under §179.95.

(b) The record of the administrative proceeding is closed:

(1) With respect to the taking of evidence, when specified by the presiding officer.

(2) With respect to pleadings, at the time specified in §179.98(a) for the filing of briefs.

(c) The presiding officer may reopen the record to receive further evidence at any time before the filing of the initial decision.

[55 FR 50293, Dec. 5, 1990, as amended at 70 FR 33360, June 8, 2005]

# PART 180—TOLERANCES AND EXEMPTIONS FOR PESTICIDE CHEMICAL RESIDUES IN FOOD

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180.369 Difenzoquat; tolerances for residues.
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180.371 Thiophanate-methyl; tolerances for residues.
180.372 2,6-Dimethyl-4-tridecylmorpholine; tolerances for residues.
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180.378 Permethrin; tolerances for residues.
180.380 Vinclozolin; tolerances for residues.
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180.385 Diclofop-methyl; tolerances for residues.
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180.403 Thidiazuron; tolerances for residues.
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180.408 Metalaxyl; tolerances for residues.
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180.429 Chlorimuron ethyl; tolerances for residues.
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180.433 Fomesafen; tolerances for residues.
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180.438 Lambda-cyhalothrin and an isomer gamma-cyhalothrin; tolerances for residues.
180.439 Thifensulfuron methyl; tolerances for residues.
180.440 Tefluthrin; tolerances for residues.
180.441 Quizalofop ethyl; tolerances for residues.
180.442 Bifenthrin; tolerances for residues.
180.443 Myclobutanil; tolerances for residues.
180.444 Sulfur dioxide; tolerances for residues.
180.445 Bensulfuron methyl; tolerances for residues.
180.446 Clofentezine; tolerances for residues.
180.447 Imazethapyr; tolerances for residues.
180.448 Hexythiazox; tolerance for residues.
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180.450 Beta-(4-Chlorophenoxy)-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol; tolerances for residues.
180.451 Tribenuron methyl; tolerances for residues.
180.452 Primisulfuron-methyl; tolerances for residues.
180.454 Nicosulfuron; tolerances for residues.
180.455 Procymidone; tolerances for residues.
180.457 Bitertanol; tolerances for residues.

180.458 Clethodim; tolerances for residues.
180.459 Triasulfuron; tolerances for residues.
180.460 Benoxacor; tolerances for residues.
180.461 Cadusafos; tolerances for residues.
180.462 Pyridate; tolerances for residues.
180.463 Quinclorac; tolerances for residues.
180.464 Dimethenamid; tolerances for residues.
180.465 4-(Dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane.
180.466 Fenpropathrin; tolerances for residues.
180.467 Carbon disulfide; tolerances for residues.
180.468 Flumetsulam; tolerances for residues.
180.469 Dichlormid; tolerances for residues.
180.470 Acetochlor; tolerances for residues.
180.471 Furilazole; tolerances for residues.
180.472 Imidacloprid; tolerances for residues.
180.473 Glufosinate ammonium; tolerances for residues.
180.474 Tebuconazole; tolerances for residues.
180.475 Difenoconazole; tolerances for residues.
180.476 Triflumizole; tolerances for residues.
180.477 Flumiclorac pentyl; tolerances for residues.
180.478 Rimsulfuron; tolerances for residues.
180.479 Halosulfuron-methyl; tolerances for residues.
180.480 Fenbuconazole; tolerances for residues.
180.481 Prosulfuron; tolerances for residues.
180.482 Tebufenozide; tolerances for residues.
180.484 Flutolanil; tolerances for residues.
180.485 Cyproconazole; tolerances for residues.
180.486 Chlorethoxyfos; tolerances for residues.
180.487 Pyrithiobac sodium; tolerances for residues.
180.490 Imazapic-ammonium; tolerances for residues.
180.491 Propylene oxide; tolerances for residues.
180.492 Triflusulfuron-methyl; tolerances for residues.
180.493 Dimethomorph; tolerances for residues.
180.494 Pyridaben; tolerance for residues.
180.495 Spinosad; tolerances for residues.
180.496 Thiazopyr; tolerances for residues.
180.497 Clofencet; tolerances for residues.
180.498 Sulfentrazone; tolerances for residues.
180.499 Propamocarb hydrochloride, tolerances for residues.
180.500 Imazapyr; tolerances for residues.
180.501 Hydroprene; tolerances for residues.
180.502 Aminoethoxyvinylglycine hydrochloride (aviglycine HCl); tolerances for residues.
180.503 Cymoxanil, tolerance for residues.
180.504 [Reserved]
180.505 Emamectin; tolerances for residues.
180.506 Cyclanilide; tolerances for residues.
180.507 Azoxystrobin; tolerances for residues.
180.509 Mefenpyr-diethyl; tolerance for residues.
180.510 Pyriproxyfen; tolerances for residues.
180.511 Buprofezin; tolerances for residues.
180.512 [Reserved]
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180.514 Cloransulam-methyl; tolerances for residues.
180.515 Carfentrazone-ethyl; tolerances for residues.
180.516 Fludioxonil; tolerances for residues.
180.517 Fipronil; tolerances for residues.
180.518 Pyrimethanil; tolerances for residues.
180.519 Bromide ion and residual bromine; tolerances for residues.
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180.522 Fumigants for processed grains used in production of fermented malt beverage; tolerances for residues.
180.523 Metaldehyde; tolerances for residues.
180.525 Resmethrin; tolerances for residues.
180.526 Synthetic isoparaffinic petroleum hydrocarbons; tolerances for residues.
180.527 Flufenacet, N-(4-fluorophenyl)-N-(1-methylethyl)-2-[[5-(trifluoromethyl)-1, 3, 4-thiadiazol-2-yl] oxy]acetamide and its metabolites containing the 4-fluoro-N-methylethyl benzenamine tolerances for residues.
180.530 2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate; tolerances for residues.
180.532 Cyprodinil; tolerances for residues.
180.533 Esfenvalerate; tolerances for residues.
180.535 Fluroxypyr 1-methylheptyl ester; tolerances for residues.
180.536 Triazamate; tolerances for residues.
180.537 Isoxaflutole; tolerances for residues.
180.539 d-Limonene; tolerances for residues.
180.540 Fenitrothion; tolerances for residues.
180.541 Propetamphos; tolerances for residues.
180.543 Diclosulam; tolerances for residues.
180.544 Methoxyfenozide; tolerances for residues.
180.545 Prallethrin (*RS*)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1*RS*)-*cis*, *trans*-chrysanthemate; tolerances for residues.
180.546 Mefenoxam; tolerances for residues.
180.547 Prohexadione calcium; tolerances for residues.
180.548 Tralkoxydim; tolerances for residues.

180.549 Diflufenzopyr; tolerances for residues.
180.550 Arsanilic acid [(4-aminophenyl) arsonic acid]; tolerances for residues.
180.551 Fluthiacet-methyl; tolerances for residues.
180.552 Sulfosulfuron; tolerances for residues.
180.553 Fenhexamid; tolerances for residues.
180.554 Kresoxim-methyl; tolerances for residues.
180.555 Trifloxystrobin; tolerances for residues.
180.556 Pymetrozine; tolerances for residues.
180.557 Tetraconazole; tolerances for residues.
180.558 *N*,*N*-diethyl-2-(4-methylbenzyloxy)ethylamine hydrochloride; tolerances for residues.
180.559 Clodinafop-propargyl; tolerances for residues.
180.560 Cloquintocet-mexyl; tolerances for residues.
180.561 Acibenzolar-*S*-methyl; tolerances for residues.
180.562 Flucarbazone-sodium; tolerances for residues.
180.563 Ethametsulfuron-methyl; tolerances for residues.
180.564 Indoxacarb; tolerances for residues.
180.565 Thiamethoxam; tolerances for residues.
180.566 Fenpyroximate; tolerances for residues.
180.567 Zoxamide; tolerances for residues.
180.568 Flumioxazin; tolerances for residues.
180.569 Forchlorfenuron; tolerances for residues.
180.570 Isoxadifen-ethyl; tolerances for residues.
180.571 Mesotrione; tolerances for residues.
180.572 Bifenazate; tolerance for residues.
180.573 Tepraloxydim; tolerances for residues.
180.574 Fluazinam; tolerances for residues.
180.575 Sulfuryl fluoride; tolerances for residues.
180.576 Cyhalofop-butyl; tolerances for residues.
180.577 Bispyribac-sodium; tolerances for residues.
180.578 Acetamiprid; tolerances for residues.
180.579 Fenamidone; tolerances for residues.
180.580 Iodosulfuron-Methyl-Sodium; tolerances for residues.
180.581 Iprovalicarb; tolerances for residues.
180.582 Pyraclostrobin; tolerances for residues.
180.583 Triticonazole; tolerances for residues.
180.584 Tolylfluanid; tolerances for residues.
180.585 Pyraflufen-ethyl; tolerances for residues.
180.586 Clothianidin; tolerances for residues.
180.587 Famoxadone; tolerance for residues.
180.588 Quinoxyfen; tolerances for residues.
180.589 Boscalid; tolerances for residues.
180.590 2, 6-Diisopropylnaphthalene (2, 6-DIPN); tolerances for residues.
180.591 Trifloxysulfuron; tolerances for residues.
180.592 Butafenacil; tolerances for residues.
180.593 Etoxazole; tolerances for residues.
180.594 Thiacloprid; tolerances for residues.
180.595 Flufenpyr-ethyl; tolerances for residues.
180.596 Fosthiazate; tolerances for residues.
180.597 Mesosulfuron-methyl; tolerances for residues.
180.598 Novaluron; tolerances for residues.
180.599 Acequinocyl; tolerances for residues.
180.600 Propoxycarbazone; tolerances for residues
180.601 Cyazofamid; tolerances for residues.
180.602 Spiroxamine; tolerances for residues.
180.603 Dinotefuran; tolerances for residues.
180.604 Mepanipyrim; tolerances for residues.
180.605 Penoxsulam; tolerances for residues.
180.607 Spiromesifen; tolerances for residues.
180.608 Spirodiclofen; tolerances for residues.
180.609 Fluoxastrobin; tolerances for residues.
180.610 Aminopyralid; tolerances for residues.
180.611 Pinoxaden; tolerances for residues.
180.612 Topramezone; tolerances for residues.
180.613 Flonicamid; tolerances for residues.
180.614 Kasugamycin; tolerances for residues.
180.615 Amicarbazone; tolerances for residues.
180.616 Fenpropimorph; tolerances for residues.
180.617 Metconazole; tolerances for residues.
180.618 Benthiavalicarb-isopropyl; tolerance for residues.
180.619 Epoxiconazole; tolerances for residues.
180.620 Etofenprox; tolerances for residues.
180.621 Dithianon; tolerances for residues.
180.622 Ethaboxam; tolerances for residues.
180.623 Flufenoxuron; tolerances for residues.
180.624 Metrafenone; tolerances for residues.
180.625 Orthosulfamuron; tolerances for residues.
180.626 Prothioconazole; tolerances for residues.
180.627 Fluopicolide; tolerances for residues.
180.628 Chlorantraniliprole; tolerances for residues.
180.629 Flutriafol; tolerances for residues.
180.630 Flusilazole; tolerances for residues.
180.631 Pyrasulfotole; tolerances for residues.
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180.633 Florasulam; tolerances for residues.

180.634 Tembotrione; tolerances for residues.
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180.636 1,3-dichloropropene; tolerances for residues.
180.637 Mandipropamid; tolerances for residues.
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180.640 Pyridalyl; tolerances for residues.
180.641 Spirotetramat; tolerances for residues.
180.642 Gentamicin; tolerances for residues.
180.643 Uniconazole; tolerances for residues.
180.644 Cyprosulfamide; tolerances for residues.
180.645 Thiencarbazone-methyl; tolerances for residues.
180.646 Ipconazole; tolerances for residues.
180.647 d-Phenothrin; tolerances for residues.
180.648 Meptyldinocap; tolerances for residues.
180.649 Saflufenacil; tolerances for residues.
180.650 Isoxaben; tolerances for residues.
180.651 Imazosulfuron; tolerances for residues.
180.652 Ethiprole; tolerances for residues.
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## Subpart D—Exemptions From Tolerances

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180.1020 Sodium chlorate; exemption from the requirement of a tolerance.
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180.1022 Iodine-detergent complex; exemption from the requirement of a tolerance.
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180.1037 Polybutenes; exemption from the requirement of a tolerance.
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180.1052 2,2,5-trimethyl-3-dichloroacetyl-1,3-oxazolidine; exemption from the requirement of a tolerance.
180.1054 Calcium hypochlorite; exemptions from the requirement of a tolerance.
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180.1072 Poly-*D*-glucosamine (chitosan); exemption from the requirement of a tolerance.
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180.1074 F.D.&C. Blue No. 1; exemption from the requirement of a tolerance.
180.1075 *Colletotrichum gloeosporioides* f. sp. *aeschynomene;* exemption from the requirement of a tolerance.

180.1076 Viable spores of the microorganism *Bacillus popilliae;* exemption from the requirement of a tolerance.
180.1080 Plant volatiles and pheromone; exemptions from the requirement of a tolerance.
180.1083 Dimethyl sulfoxide; exemption from the requirement of a tolerance.
180.1084 Monocarbamide dihydrogen sulfate; exemption from the requirement of a tolerance.
180.1086 3,7,11-Trimethyl-1,6,10-dodecatriene-1-ol and 3,7,11-trimethyl-2,6,10-dodecatriene-3-ol; exemption from the requirement of a tolerance.
180.1087 Sesame stalks; exemption from the requirement of a tolerance.
180.1089 Poly-*N*-acetyl-*D*-glucosamine; exemption from the requirement of a tolerance.
180.1090 Lactic acid; exemption from the requirement of a tolerance.
180.1091 Aluminum isopropoxide and aluminum secondary butoxide; exemption from the requirement of a tolerance.
180.1092 Menthol; exemption from the requirement of a tolerance.
180.1095 Chlorine gas; exemptions from the requirement of a tolerance.
180.1097 GBM-ROPE; exemption from the requirement of a tolerance.
180.1098 Gibberellins [Gibberellic Acids (GA3 and GA4 + GA7), and Sodium or Potassium Gibberellate]; exemption from the requirement of a tolerance.
180.1100 *Gliocladium virens* isolate GL-21; exemption from the requirement of a tolerance.
180.1101 Parasitic (parasitoid) and predatory insects; exemption from the requirement of a tolerance.
180.1102 *Trichoderma harzianum* KRL-AG2 (ATCC #20847) strain T–22; exemption from requirement of a tolerance.
180.1103 Isomate-C; exemption from the requirement of a tolerance.
180.1107 Delta endotoxin of *Bacillus thuringiensis* variety *kurstak*i encapsulated into killed *Pseudomonas fluorescens;* exemption from the requirement of a tolerance.
180.1108 Delta endotoxin of *Bacillus thuringiensis* variety *San Diego* encapsulated into killed *Pseudomonas fluorescens;* exemption from the requirement of a tolerance.
180.1110 3-Carbamyl-2,4,5-trichlorobenzoic acid; exemption from the requirement of a tolerance.
180.1111 Bacillus subtilis GB03; exemption from the requirement of a tolerance.
180.1113 *Lagenidium giganteum*; exemption from the requirement of a tolerance.
180.1114 *Pseudomonas fluorescens* A506, *Pseudomonas fluorescens* 1629RS, and *Pseudomonas syringae* 742RS; exemptions from the requirement of a tolerance.
180.1118 *Spodoptera exigua* nuclear polyhedrosis virus; exemption from the requirement of a tolerance.
180.1119 Azadirachtin; exemption from the requirement of a tolerance.
180.1120 *Streptomyces* sp. strain K61; exemption from the requirement of a tolerance.
180.1121 Boric acid and its salts, borax (sodium borate decahydrate), disodium octaborate tetrahydrate, boric oxide (boric anhydride), sodium borate and sodium metaborate; exemptions from the requirement of a tolerance.
180.1122 Inert ingredients of semiochemical dispensers; exemptions from the requirement of a tolerance.
180.1124 Arthropod pheromones; exemption from the requirement of a tolerance.
180.1126 Codlure, (E,E)-8,10-Dodecadien-1-ol; exemption from the requirement of a tolerance.
180.1127 Biochemical pesticide plant floral volatile attractant compounds: cinnamaldehyde, cinnamyl alcohol, 4-methoxy cinnamaldehyde, 3-phenyl propanol, 4-methoxy phenethyl alcohol, indole, and 1,2,4-trimethoxybenzene; exemptions from the requirement of a tolerance.
180.1128 *Bacillus subtilis* MBI 600; exemption from the requirement of a tolerance.
180.1130 *N*-(n-octyl)-2-pyrrolidone and *N*-(n-dodecyl)-2-pyrrolidone; exemptions from the requirement of a tolerance.
180.1131 *Ampelomyces quisqualis* isolate M10; exemption from the requirement of a tolerance.
180.1135 *Pasteuria penetrans;* exemption from the requirement of a tolerance.
180.1139 Sodium 5-nitroguaiacolate; exemption from the requirement of a tolerance.
180.1140 Sodium *o*-nitrophenolate; exemption from the requirement of a tolerance.
180.1141 Sodium *p*-nitrophenolate; exemption from the requirement of a tolerance.
180.1142 1,4-Dimethylnaphthalene; exemption from the requirement of a tolerance.
180.1143 Methyl anthranilate; exemption from the requirement of a tolerance.
180.1144 *Candida oleophila* isolate I-182; exemption from the requirement of a tolerance.
180.1145 *Pseudomonas syringae;* exemption from the requirement of a tolerance.
180.1146 *Beauveria bassiana* Strain GHA; exemption from the requirement of a tolerance.
180.1148 Occlusion Bodies of the Granulosis Virus of *Cydia pomenella;* tolerance exemption.
180.1149 Inclusion bodies of the multi-nuclear polyhedrosis virus of *Anagrapha falcifera;* exemption from the requirement of a tolerance.
180.1150 6-Benzyladenine; exemption from the requirement of a tolerance.
180.1153 Lepidopteran pheromones; exemption from the requirement of a tolerance.

180.1154 CryIA(c) and CryIC derived delta-endotoxins of *Bacillus thuringiensis* var. *kurstaki* encapsulated in killed *Pseudomonas fluorescens*, and the expression plasmid and cloning vector genetic constructs.
180.1156 Cinnamaldehyde; exemption from the requirement of a tolerance.
180.1157 Cytokinins; exemption from the requirement of a tolerance.
180.1158 Auxins; exemption from the requirement of a tolerance.
180.1159 Pelargonic acid; exemption from the requirement of tolerances.
180.1160 Jojoba oil; exemption from the requirement of a tolerance.
180.1161 Clarified hydrophobic extract of neem oil; exemption from the requirement of a tolerance.
180.1162 Acrylate polymers and copolymers; exemption from the requirement of a tolerance.
180.1163 Killed *Myrothecium verrucaria;* exemption from the requirement of a tolerance.
180.1165 Capsaicin; exemption from the requirement of a tolerance.
180.1167 Allyl isothiocyanate as a component of food grade oil of mustard; exemption from the requirement of a tolerance.
180.1176 Sodium bicarbonate; exemption from the requirement of a tolerance.
180.1177 Potassium bicarbonate; exemption from the requirement of a tolerance.
180.1178 Formic acid; exemption from the requirement of a tolerance.
180.1179 Plant extract derived from *Opuntia lindheimeri*, *Quercus falcata*, *Rhus aromatica*, and *Rhizophoria mangle;* exemption from the requirement of a tolerance.
180.1180 Kaolin; exemption from the requirement of a tolerance.
180.1181 *Bacillus cereus* strain BPO1; exemption from the requirement of a tolerance.
180.1187 L-glutamic acid; exemption from the requirement of a tolerance.
180.1188 Gamma aminobutyric acid; exemption from the requirement of a tolerance.
180.1189 Methyl salicylate; exemption from the requirement of a tolerance.
180.1191 Ferric phosphate; exemption from the requirement of a tolerance.
180.1193 Potassium dihydrogen phosphate; exemption from the requirement of a tolerance.
180.1195 Titanium dioxide; exemption from the requirement of a tolerance.
180.1196 Peroxyacetic acid; exemption from the requirement of a tolerance.
180.1197 Hydrogen peroxide; exemption from the requirement of a tolerance.
180.1198 *Gliocladium catenulatum* strain J1446; exemption from the requirement of a tolerance.
180.1199 Lysophosphatidylethanolamine (LPE); exemption from the requirement of a tolerance.
180.1200 *Pseudomonas fluorescens* strain PRA–25; temporary exemption from the requirement of a tolerance.
180.1201 *Trichoderma harzianum* strain T-39; exemption from the requirement of a tolerance.
180.1202 *Bacillus sphaericus;* exemption from the requirement of a tolerance.
180.1204 Harpin protein; exemption from the requirement of a tolerance.
180.1205 *Beauveria bassiana* ATCC #74040; exemption from the requirements of a tolerance.
180.1206 *Aspergillus flavus* AF36; exemption from the requirement of a tolerance.
180.1207 N-acyl sarcosines and sodium N-acyl sarcosinates; exemption from the requirement of a tolerance.
180.1209 *Bacillus subtilis* strain QST 713; exemption from the requirement of a tolerance.
180.1210 Phosphorous acid; exemption from the requirement of a tolerance.
180.1212 *Pseudomonas chlororaphis* Strain 63–28; exemption from the requirement of a tolerance.
180.1213 *Coniothyrium minitans* strain CON/M/91–08; exemption from the requirement of a tolerance.
180.1218 Indian Meal Moth Granulosis Virus; exemption from the requirement of a tolerance.
180.1219 Foramsulfuron; exemption from the requirement of a tolerance.
180.1220 1-Methylcyclopropene; exemption from the requirement of a tolerance.
180.1221 *Pseudozyma flocculosa* strain PF-A22 UL; exemption from the requirement of a tolerance.
180.1222 Sucrose octanoate esters; exemption from the requirement of a tolerance.
180.1223 Imazamox; exemption from the requirement of a tolerance.
180.1224 *Bacillus pumilus* GB34; exemption from the requirement of a tolerance.
180.1225 Decanoic acid; exemption from the requirement of a tolerance.
180.1226 *Bacillus pumilus* strain QST2808; temporary exemption from the requirement of a tolerance.
180.1228 Diallyl sulfides; exemption from the requirement of a tolerance.
180.1230 Ferrous sulfate; exemption from the requirement of a tolerance.
180.1231 Lime; exemption from the requirement of a tolerance.
180.1232 Lime-sulfur; exemption from the requirement of a tolerance.
180.1233 Potassium sorbate; exemption from the requirement of a tolerance.
180.1234 Sodium carbonate; exemption from the requirement of a tolerance.
180.1235 Sodium hypochlorite; exemption from the requirement of a tolerance.

180.1236 Sulfur; exemption from the requirement of a tolerance.
180.1237 Sodium metasilicate; exemption from the requirement of a tolerance.
180.1240 Thymol; exemption from the requirement of a tolerance.
180.1241 Eucalyptus oil; exemption from the requirement of a tolerance.
180.1243 *Bacillus subtilis* var. *amyloliquefaciens* strain FZB24; exemption from the requirement of a tolerance.
180.1244 Ammonium bicarbonate; exemption from the requirement of a tolerance.
180.1245 Rhamnolipid biosurfactant; exemption from the requirement of a tolerance.
180.1246 Yeast Extract Hydrolysate from *Saccharomyces cerevisiae:* exemption from the requirement of a tolerance.
180.1248 Exemption of citronellol from the requirement of a tolerance.
180.1250 C8, C10, and C12 fatty acid monoesters of glycerol and propylene glycol; exemption from the requirement of a tolerance.
180.1251 Geraniol; exemption from the requirement of a tolerance.
180.1253 *Streptomyces lydicus* WYEC 108; exemption from the requirement of a tolerance.
180.1254 Aspergillus flavus NRRL 21882; exemption from the requirement of a tolerance.
180.1255 *Bacillus pumilus* strain QST 2808; exemption from the requirement of a tolerance.
180.1256 *Alternaria destruens* strain 059; exemption from the requirement of a tolerance.
180.1257 *Paecilomyces lilacinus* strain 251; exemption from the requirement of a tolerance.
180.1258 Acetic acid; exemption from the requirement of a tolerance.
180.1259 *Reynoutria sachalinensis* extract; exemption from the requirement of a tolerance.
180.1260 *Muscodor albus* QST 20799 and the volatiles produced on rehydration; exemption from the requirement of a tolerance.
180.1261 *Xanthomonas campestris pv. vesicatoria* and *Pseudomonas syringae pv. tomato* specific Bacteriophages.
180.1262 Sorbitol octanoate; exemption from the requirement of a tolerance.
180.1263 Tetrahydrofurfuryl alcohol; exemption from the requirement of a tolerance.
180.1267 *Pantoea agglomerans* strain C9–1; exemption from the requirement of a tolerance.
180.1268 Potassium silicate; exemption from the requirement of a tolerance.
180.1269 *Bacillus mycoides* Isolate J: exemption from the requirement of a tolerance.
180.1270 Isophorone; exemption from the requirement of a tolerance.
180.1271 Eucalyptus oil; exemption from the requirement of a tolerance.
180.1272 *Pantoea agglomerans* strain E325; exemption from the requirement of a tolerance.
180.1273 Beauveria bassiana HF23; exemption from the requirement of a tolerance.
180.1274 Tris (2-ethylhexyl) phosphate; exemption from the requirement of a tolerance.
180.1275 Pythium; exception from the requirement of a tolerance.
180.1276 Tobacco mild green mosaic tobamovirus (TMGMV); temporary exemption from the requirement of a tolerance.
180.1277 Dibasic esters; exemption from the requirement of a tolerance.
180.1278 *Quillaja saponaria* extract (saponins); exemption from the requirement of a tolerance.
180.1279 Zucchini yellow mosaic virus—weak strain; exemption from the requirement of a tolerance.
180.1280 Poly(hexamethylenebiguanide) hydrochloride (PHMB); exemption from the requirement of a tolerance.
180.1281 S-Abscisic Acid, (S)-5-(1-hydroxy-2,6,6-trimethyl-4-oxo-1-cyclohex-2-enyl)-3-methyl-penta-(2Z,4E)-dienoic Acid; exemption from the requirement of a tolerance.
180.1282 Bacillus firmus I-1582; exemption from the requirement of a tolerance.
180.1283 (Z)-7,8-epoxy-2-methyloctadecane (Disparlure); exemption from the requirement of a tolerance.
180.1284 Ammonium salts of higher fatty acids ($C_8$-$C_{18}$ saturated; $C_8$-$C_{12}$ unsaturated); exemption from the requirement of a tolerance.
180.1285 Polyoxin D zinc salt; exemption from the requirement of a tolerance.
180.1287 Extract of *Chenopodium ambrosioides* near *ambrosioides*; exemption from the requirement of a tolerance.
180.1288 Tristyrylphenol ethoxylates; exemption from the requirement of a tolerance.
180.1289 *Candida oleophila* Strain O; exemption from the requirement of a tolerance.
180.1290 *Pasteuria usgae;* exemption from the requirement of a tolerance.
180.1291 Cold pressed neem oil; exemption from the requirement of a tolerance.
180.1292 Ulocladium oudemansii (U3 Strain); exemption from the requirement of a tolerance.
180.1293 Trichoderma gamsii strain ICC 080; exemption from the requirement of a tolerance.
180.1294 Trichoderma asperellum strain ICC 012; exemption from the requirement of a tolerance.
180.1295 Laminarin; exemption from the requirement of a tolerance.

180.1296 Terpene Constituents α-terpinene, d-limonene and p-cymene, of the Extract of Chenopodium *ambrosioides* near *ambrosioides* as Synthetically Manufactured; exemption from the requirement of a tolerance.
180.1297 Homobrassinolide; exemption from the requirement of a tolerance.
180.1298 Trichoderma hamatum isolate 382; exemption from the requirement of a tolerance.
180.1299 Prohydrojasmon; temporary exemption from the requirement of a tolerance.
180.1300 Potassium hypochlorite; exemption from the requirement of a tolerance.
180.1301 *Escherichia coli* O157:H7 specific bacteriophages; temporary exemption from the requirement of a tolerance.
180.1302 Sodium Ferric Ethylenediaminetetraacetate (EDTA); exemption from the requirement of a tolerance.
180.1303 Metarhizium anisopliae strain F52; exemption from the requirement of a tolerance.

## Subpart E—Pesticide Chemicals Not Requiring a Tolerance or an Exemption from a Tolerance

180.2000 Scope.
180.2003 Definitions.
180.2010 Threshold of regulation determinations.
180.2020 Non-food determinations.

AUTHORITY: 21 U.S.C. 321(q), 346a and 371.

SOURCE: 36 FR 22540, Nov. 25, 1971, unless otherwise noted.

EDITORIAL NOTE: Nomenclature changes to part 180 appear at 62 FR 66023, Dec. 17, 1997.

GLOSSARY

NOTE: The items in this glossary were compiled as an aid to the users of the Code of Federal Regulations. Inclusion or exclusion from this glossary has no legal significance.

APPLI = APPLICATION
C-I MET = CHOLINESTERASE-INHIBITING METABOLITES
CARB = CARBAMATES
EPWRR = EDIBLE PORTION WITH RIND REMOVED
EXC = EXCEPT
I (IN PPM COLUMN) = INTERIM TOLERANCE
INC = INCLUDING
K=CWHR = KERNEL PLUS COB WITH HUSK REMOVED
MBYP = MEAT BYPRODUCTS
MIN = MINIMUM
N (IN PPM COLUMN) = NEGLIGIBLE RESIDUES
NMT = NOT MORE THAN
NON-PER BAG/PKGD RAC = NON-PERISHABLE PACKAGED OR BAGGED RAW AGRICULTURAL COMMODITY
PPM = PART(S) PER MILLION
POST-H = POSTHARVEST APPLICATION
PRE-H = PREHARVEST APPLICATION
PRE-S = PRESLAUGHTER APPLICATION
PRODS = PRODUCTS rollert
T (IN PPM COLUMN) = TEMPORARY TOLERANCE

[41 FR 4537, Jan. 30, 1976]

## Subpart A—Definitions and Interpretative Regulations

### § 180.1 Definitions and interpretations.

(a) *Administrator*, without qualification, means the Administrator of the Environmental Protection Agency.

(b) *Agency*, without qualification, means the Environmental Protection Agency.

(c) *FFDCA* means the Federal Food, Drug, and Cosmetic Act, as amended, 21 U.S.C. 301–392.

(d) Raw agricultural commodities include, among other things, fresh fruits, whether or not they have been washed and colored or otherwise treated in their unpeeled natural form; vegetables in their raw or natural state, whether or not they have been stripped of their outer leaves, waxed, prepared into fresh green salads, etc.; grains, nuts, eggs, raw milk, meats, and similar agricultural produce. It does not include foods that have been processed, fabricated, or manufactured by cooking, freezing, dehydrating, or milling.

(e) Where a raw agricultural commodity bearing a pesticide chemical residue that has been exempted from the requirement of a tolerance, or which is within a tolerance permitted under FFDCA section 408, is used in preparing a processed food, the processed food will not be considered unsafe within the meaning of FFDCA sections 402 and 408(a), despite the lack of a tolerance or exemption for the pesticide chemical residue in the processed food, if:

(1) The pesticide chemical has been used in or on the raw agricultural commodity in conformity with a tolerance under this section;

(2) The pesticide chemical residue has been removed to the extent possible in good manufacturing practice; and

(3) The concentration of the pesticide chemical residue in the processed food

is not greater than the tolerance prescribed for the pesticide chemical residue on the raw agricultural commodity.

(f) For the purpose of computing fees as required by § 180.33, each group of related crops listed in § 180.34(e) and each crop group or subgroup listed in § 180.41 is counted as a single raw agricultural commodity in a petition or request for tolerances or exemption from the requirement of a tolerance.

(g) Tolerances and exemptions established for pesticide chemicals in or on the general category of raw agricultural commodities listed in column A apply to the corresponding specific raw agricultural commodities listed in column B. However, a tolerance or exemption for a specific commodity in column B does not apply to the general category in column A.

| A | B |
|---|---|
| Alfalfa | *Medicago sativa L. Subsp. sativa*, (alfalfa, lucerne); *Onobrychis viciifolia Scop.* (sainfoin, holy clover, esparcet); and *Lotus corniculatus L.* (trefoil); and varieties and/or hybrids of these. |
| Banana | Banana, plantain. |
| Bean | *Cicer arietinum* (chickpea, garbanzo bean); *Lupinus* spp. (including sweet lupine, white sweet lupine, white lupine, and grain lupine). *Phaseolus* spp. (including kidney bean, lima bean, mung bean, navy bean, pinto bean, snap bean, and waxbean; *Vicia faba* (broad bean, fava bean); *Vigna* spp. (including asparagus bean, blackeyed pea and cowpea). |
| Bean, dry | All beans above in dry form only. |
| Bean, succulent | All beans above in succulent form only. |
| Blackberry | *Rubus eubatus* (including bingleberry, black satin berry, boysenberry Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangerberry, ravenberry, rossberry, Shawnee blackberry, and varieties and/or hybrids of these). |
| Broccoli | Broccoli, chinese broccoli (gia lon, white flowering broccoli). |
| Cabbage | Cabbage, Chinese cabbage (tight-heading varieties only). |
| Caneberry | *Rubus* spp. (including blackberry);<br>*Rubus caesius* (youngberry);<br>*Rubus loganbaccus* (loganberry);<br>*Rubus idaeus* (red and black raspberry); cultivars, varieties, and/or hybrids of these. |
| Celery | Celery, Florence fennel (sweet anise, sweet fennel, finochio) (fresh leaves and stalks only). |
| Cherry | Cherry, sweet, and cherry, tart. |
| Endive | Endive, escarole. |
| Fruit, citrus | Grapefruit, lemon, lime, orange, tangelo, tangerine, citrus citron, kumquat, and hybrids of these. |
| Garlic | Garlic, great headed; garlic, and serpent garlic. |
| Lettuce | Lettuce, head; and lettuce, leaf |
| Lettuce, head | Lettuce, head; crisphead varieties only |
| Lettuce, leaf | Lettuce, leaf; cos (romaine), butterhead varieties |
| Marjoram | *Origanum* spp. (includes sweet or annual marjoram, wild marjoram or oregano, and pot marjoram). |

| A | B |
|---|---|
| Melon | Muskmelon, including hybrids and/or varieties of *Cucumis melo* (including true cantaloupe, cantaloupe, casaba, Santa Claus melon, crenshaw melon, honeydew melon, honey balls, Persian melon, golden pershaw melon, mango melon, pineapple melon, snake melon); and watermelon, including hybrids and/or varieties of (*Citrullus* spp.). |
| Muskmelon | *Cucumis melo* (includes true cantaloupe, cantaloupe, casaba, Santa Claus melon, crenshaw melon, honeydew melon, honey balls, Persian melon, golden pershaw melon, mango melon, pineapple melon, snake melon, and other varieties and/or hybrids of these.) |
| Onion | Bulb onion; green onion; and garlic. |
| Onion, bulb | Bulb onion; garlic; great headed garlic; serpent garlic; Chinese onion; pearl onion; potato onion; and shallot, bulb. |
| Onion, green | Green onion; lady's leek; leek; wild leek; Beltsville bunching onion; fresh onion; tree onion, tops; Welsh onion; and shallot, fresh leaves. |
| Peach | Peach, nectarine |
| Pea | *Cajanus cajan* (includes pigeon pea); *Cicer* spp. (includes chickpea and garbanzo bean); *Lens culinaris* (lentil); *Pisum* spp. (includes dwarf pea, garden pea, green pea, English pea, field pea, and edible pod pea). [Note: A variety of pesticide tolerances have been previously established for pea and/or bean. Chickpea/garbanzo bean is now classified in both the bean and the pea categories. For garbanzo bean/chickpea only, the highest established pea or bean tolerance will apply to pesticide residues found in this commodity.] |
| Pea, dry | All peas in dry form only. |
| Pea, succulent | All peas in succulent form only. |
| Pepper | All varieties of pepper including pimento and bell, hot, and sweet pepper. |
| Radish, oriental, roots | *Raphanus sativus* var. *longipinnatus* (roots and tops), including Chinese or Japanese radish (both white and red), winter radish, daikon, lobok, lo pak, and other cultivars and/or hybrids of these. |
| Radish, oriental, tops) | *Raphanus sativus* var. *longipinnatus* (roots and tops), including Chinese or Japanese radish (both white and red), winter radish, daikon, lobok, lo pak, and other cultivars and/or hybrids of these. |
| Rapeseed | *Brassica napus*, *B. campestris*, and *Crambe abyssinica* (oilseed-producing varieties only which include canola and crambe.) |
| Raspberry | *Rubus* spp. (including bababerry; black raspberry; blackcap; caneberry; framboise; frambueso; himbeere; keriberry; mayberry; red raspberry; thimbleberry; tulameen; yellow raspberry; and cultivars, varieties, and/or hybrids of these). |
| Sorghum, grain, grain | *Sorghum* spp. [sorghum, grain, sudangrass (seed crop), and hybrids of these grown for its seed]. |
| Sorghum, forage, stover | *Sorghum* spp. [sorghum, forage; sorghum, stover; sudangrass, and hybrids of these grown for forage and/or stover. |
| Squash | Pumpkin, summer squash, and winter squash. |
| Sugar apple | *Annona squamosa L.* (sugar apple, sweetsop, anon), and its hybrid *A. squamosa L. x A. cherimoya M.* (atemoya). Also *A. reticulata L.* (true custard apple). |

| A | B |
|---|---|
| Squash, summer | Fruits of the gourd (*Cucurbitaceae*) family that are consumed when immature, 100% of the fruit is edible either cooked or raw, once picked it cannot be stored, has a soft rind which is easily penetrated, and if seeds were harvested they would not germinate; e.g., *Cucurbita pepo* (*i.e.*, crookneck squash, straightneck squash, scallop squash, and vegetable marrow); *Lagenaria* spp. (*i.e.*, spaghetti squash, hyotan, cucuzza); *Luffa* spp. (*i.e.*, hechima, Chinese okra); *Momordica* spp. (*i.e.*, bitter melon, balsam pear, balsam apple, Chinese cucumber); *Sechium edule* (chayote); and other cultivars and/or hybrids of these. |
| Sweet potato | Sweet potato, yam. |
| Tangerine | Tangerine (mandarin or mandarin orange); clementine; Mediterranean mandarin; satsuma mandarin; tangelo; tangor; cultivars, varieties, and/or hybrids of these. |
| Tomato | Tomato, tomatillo. |
| Turnip tops or turnip greens | Broccoli raab (raab, raab salad), hanover salad, turnip tops (turnip greens). |
| Wheat | Wheat, triticale. |

(h) Unless otherwise specified in this paragraph or in tolerance regulations prescribed in this part for specific pesticide chemicals, the raw agricultural commodity or processed food to be examined for pesticide residues, shall consist of the whole raw agricultural commodity or processed food.

(1) The raw agricultural commodity bananas, when examined for pesticide residues, shall not include any crown tissue or stalk.

(2) Shell shall be removed and discarded from nuts before examination for pesticide residues.

(3) Caps (hulls) shall be removed and discarded from strawberries before examination for pesticide residues.

(4) Stems shall be removed and discarded from melons before examination for pesticide residues.

(5) Roots, stems, and outer sheaths (or husks) shall be removed and discarded from garlic bulbs and dry bulb onions, and only the garlic cloves and onion bulbs shall be examined for pesticide residues.

(6) Where a tolerance is established on a root vegetable including tops and/or with tops, and the tops and the roots are marketed together, they shall be analyzed separately and neither the pesticide residue on the roots nor the pesticide residue on the tops shall exceed the tolerance level, except that in the case of carrots, parsnips, and rutabagas, the tops shall be removed and discarded before analyzing roots for pesticide residues.

(7) The crowns (leaves at the top of the fruit) shall be removed and discarded from pineapples before examination for pesticide residues.

(8) The term *lima beans* means the beans and the pod.

(9) The term *peanuts* means the peanut meat after removal of the hulls.

(10) For processed foods consisting primarily of one ingredient and sold in a form requiring further preparation prior to consumption (e.g., fruit juice concentrates, dehydrated vegetables, and powdered potatoes), the processed food to be examined for residues shall be the whole processed commodity after compensating for or reconstituting to the commodity's normal moisture content, unless a tolerance for the concentrated or dehydrated food form is included in this part. If there exists a tolerance for a specific pesticide on the processed food in its concentrated or dehydrated food form, for the purpose of determining whether the food is in compliance with that tolerance, the processed food to be examined for residues shall be the whole processed commodity on an ''as is'' basis.

(i) The term *pesticide chemical* shall have the meaning specified in FFDCA section 201(q)(1), as amended, except as provided in § 180.4.

(j) The term *negligible residue* means any amount of a pesticide chemical remaining in or on a raw agricultural commodity or group of raw agricultural commodities that would result in a daily intake regarded as toxicologically insignificant on the basis of scientific judgment of adequate safety data. Ordinarily this will add to the diet an amount which will be less than 1/2,000th of the amount that has been demonstrated to have no effect from feeding studies on the most sensitive animal species tested. Such toxicity studies shall usually include at least 90-day feeding studies in two species of mammals.

(k) The term *nonperishable raw agricultural commodity* means any raw agricultural commodity not subject to rapid decay or deterioration that would render it unfit for consumption. Examples are cocoa beans, coffee beans, field-dried beans, field-dried peas, grains, and nuts. Not included are eggs, milk, meat, poultry, fresh fruits, and vegetables such as onions, parsnips, potatoes, and carrots.

(l) The term *tolerance with regional registration* means any tolerance which is established for pesticide residues resulting from the use of the pesticide pursuant to a regional registration. Such a tolerance is supported by residue data from specific growing regions for a raw agricultural commodity. Individual tolerances with regional registration are designated in separate subsections in 40 CFR 180.101 through 180.999, as appropriate. Additional residue data which are representative of the proposed use area are required to expand the geographical area of usage of a pesticide on a raw agricultural commodity having an established ''tolerance with regional registration.'' Persons seeking geographically broader registration of a crop having a ''tolerance with regional registration'' should contact the appropriate EPA product manager concerning additional residue data required to expand the use area.

(m) The term *pesticide chemical residue* shall have the meaning specified in FFDCA section 201(q)(2), as amended, except as provided in § 180.4.

(n) The term *food commodity* means:

(1) Any raw agricultural commodity (food or feed) as defined in section 201(r) of the Federal Food, Drug, and Cosmetic Act (FFDCA); and

(2) Any processed food or feed as defined in section 201(gg) of the FFDCA.

[36 FR 22540, Nov. 25, 1971]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.1, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.3 Tolerances for related pesticide chemicals.

(a) Pesticide chemicals that cause related pharmacological effects will be regarded, in the absence of evidence to the contrary, as having an additive deleterious action. (For example, many pesticide chemicals within each of the following groups have related pharmacological effects: Chlorinated organic pesticides, arsenic-containing chemicals, metallic dithiocarbamates, cholinesterase-inhibiting pesticides.)

(b) Tolerances established for such related pesticide chemicals may limit the amount of a common component (such as $As_2O_3$) that may be present, or may limit the amount of biological activity (such as cholinesterase inhibition) that may be present, or may limit the total amount of related pesticide chemicals (such as chlorinated organic pesticides) that may be present.

(c)(1) Where tolerances for inorganic bromide in or on the same raw agricultural commodity are set in two or more sections in this part (example: §§ 180.123 and 180.199), the overall quantity of inorganic bromide to be tolerated from use of the same pesticide in different modes of application or from two or more pesticide chemicals for which tolerances are established is the highest of the separate applicable tolerances. For example, where the bromide tolerance on asparagus from methyl bromide commodity fumigation is 100 parts per million (40 CFR 180.123) and on asparagus from methyl bromide soil treatment is 300 parts per million (40 CFR 180.199), the overall inorganic bromide tolerance for asparagus grown on methyl bromide-treated soil and also fumigated with methyl bromide after harvest is 300 parts per million.

(2) Where tolerances are established in terms of inorganic bromide residues only from use of organic bromide fumigants on raw agricutural commodities, such tolerances are sufficient to protect the public health, and no additional concurrent tolerances for the organic pesticide chemicals from such use are necessary. This conclusion is based on evidence of the dissipation of the organic pesticide or its conversion to inorganic bromide residues in the food when ready to eat.

(d)(1) Where tolerances are established for both calcium cyanide and hydrogen cyanide on the same raw agricultural commodity, the total amount of such pesticides shall not yield more residue than that permitted by the larger of the two tolerances, calculated as hydrogen cyanide.

(2) Where tolerances are established for residues of both *O,O*-diethyl *S*-[2-(ethylthio)ethyl] phosphorodithioate and demeton (a mixture of *O,O*-diethyl *O*-(and *S*-) [2-(ethylthio)ethyl] phosphorothioates) on the same raw agricultural commodity, the total amount of such pesticides shall not yield more residue than that permitted by the larger of the two tolerances, calculated as demeton.

(3) Where tolerances are established for both terpene polychlorinates (chlorinated mixture of camphene, pinene, and related terpenes, containing 65–66 percent chlorine) and toxaphene (chlorinated camphene containing 67–69 percent chlorine) on the same raw agricultural commodities, the total amount of such pesticides shall not yield more residue than that permitted by the larger of the two tolerances, calculated as a chlorinated terpene of molecular weight 396.6 containing 67 percent chlorine.

(4) Where a tolerance is established for more than one pesticide containing arsenic found in, or on a raw agricultural commodity, the total amount of such pesticide shall not exceed the highest established tolerance calculated as $As_2O_3$.

(5) Where tolerances are established for more than one member of the class of dithiocarbamates listed in paragraph (e)(3) of this section on the same raw agricultural commodity, the total residue of such pesticides shall not exceed that permitted by the highest tolerance established for any one member of the class, calculated as zinc ethylenebisdithiocarbamate.

(6) Where tolerances are established for residues of both *S,S,S*-tributyl phosphorotrithioate and tributyl phosphorotrithioite in or on the same raw agricultural commodity, the total amount of such pesticides shall not yield more residue than that permitted by the higher of the two tolerances, calculated as *S,S,S*-tributyl phosphorotrithioate.

(7) Where tolerances are established for residues of *O,S*-dimethyl phosphoramidothioate, resulting from the use of acephate (*O,S*-dimethyl acetylphos-phoramidothioate) and/or *O,S*-dimethylphosphoramidothioate on the same agricultural commodity, the total amount of *O,S*-dimethylphosphoramidothioate shall not yield more residue than that permitted by the higher of the two tolerances.

(8) Where a tolerance is established for more than one pesticide having the metabolites 1-(3,4-dichlorophenyl)-3-methylurea (DCPMU) and 3,4-dichlorophenylurea (DCPU) found in or on a raw agricultural commodity, the total amount of such residues shall not exceed the highest established tolerance for a pesticide having these metabolites.

(9) Where a tolerance is established for more than one pesticide having as metabolites compounds containing the benzimidazole moiety found in or on a raw agricultural commodity, the total amount of such residues shall not exceed the highest established tolerance for a pesticide having these metabolites.

(10) Where a tolerance is established for triclopyr, chloropyrifos, and chlorpyrifos-methyl having the common metabolite 3,5,6-trichloro-2-pyridinol on the same raw agricultural commodity, the total amount of such residues shall not exceed the highest established tolerance for any of the pesticides having the metabolites.

(11) Where tolerances are established for more than one pesticide having the metabolite 3,5,6-trichloro-2-pyridinol found in or on the raw agricultural commodity, the total amount of such residues shall not exceed the highest

established tolerance for a pesticide having this metabolite.

(12) Where tolerances are established for residues of methomyl, resulting from the use of thiodicarb and/or methomyl on the same raw agricultural commodity, the total amount of methomyl shall not yield more residue than that permitted by the higher of the two tolerances.

(e) Except as noted in paragraphs (e)(1) and (2) of this section, where residues from two or more chemicals in the same class are present in or on a raw agricultural commodity the tolerance for the total of such residues shall be the same as that for the chemical having the lowest numerical tolerance in this class, unless a higher tolerance level is specifically provided for the combined residues by a regulation in this part.

(1) Where residues from two or more chemicals in the same class are present in or on a raw agricultural commodity and there are available methods that permit quantitative determination of each residue, the quantity of combined residues that are within the tolerance may be determined as follows:

(i) Determine the quantity of each residue present.

(ii) Divide the quantity of each residue by the tolerance that would apply if it occurred alone, and multiply by 100 to determine the percentage of the permitted amount of residue present.

(iii) Add the percentages so obtained for all residues present.

(iv) The sum of the percentages shall not exceed 100 percent.

(2) Where residues from two or more chemicals in the same class are present in or on a raw agricultural commodity and there are available methods that permit quantitative determinations of one or more, but not all, of the residues, the amounts of such residues as may be determinable shall be deducted from the total amount of residues present and the remainder shall have the same tolerance as that for the chemical having the lowest numerical tolerance in that class. The quantity of combined residues that are within the tolerance may be determined as follows:

(i) Determine the quantity of each determinable residue present.

(ii) Deduct the amounts of such residues from the total amount of residues present and consider the remainder to have the same tolerance as that for the chemical having the lowest numerical tolerance in that class.

(iii) Divide the quantity of each determinable residue by the tolerance that would apply if it occurred alone and the quantity of the remaining residue by the tolerance for the chemical having the lowest numerical tolerance in that class and multiply by 100 to determine the percentage of the permitted amount of residue present.

(iv) Add the percentages so obtained for all residues present.

(v) The sum of the percentages shall not exceed 100 percent.

(3) The following pesticides are members of the class of dithiocarbamates:

A mixture of 5.2 parts by weight of ammoniates of [ethylenebis (dithiocarbamato)] zinc with 1 part by weight ethylenebis [dithiocarbamic acid] bimolecular and trimolecular cyclic anhydrosulfides and disulfides.
2-Chloroallyl diethyldithiocarbamate.
Coordination product of zinc ion and maneb containing 20 percent manganese, 2.5 percent zinc, and 77.5 percent ethylenebisdithiocarbamate.
Ferbam.
Maneb.
Manganous dimethyldithiocarbamate.
Sodium dimethyldithiocarbamate.
Thiram.
Zineb.
Ziram.

(4) The following are members of the class of chlorinated organic pesticides:

Aldrin.
BHC (benzene hexachloride).
1,1-Bis(*p*-chlorophenyl)-2,2,2-trichloroethanol.
Chlorbenside (*p*-chlorobenzyl *p*-chlorophenyl sulfide).
Chlordane.
Chlorobenzilate (ethyl 4,4′-dichlorobenzilate).
*p*-Chlorophenoxyacetic acid.
*p*-Chlorophenyl-2,4,5-trichlorophenyl sulfide.
2,4-D (2,4-dichlorophenoxyacetic acid).
DDD (TDE).
DDT.
1,1-Dichloro-2,2-bis(*p*-ethylphenyl) ethane.
2,6-Dichloro-4-nitroaniline.
2,4-Dichlorophenyl *p*-nitrophenyl ether.
Dieldrin.
Dodecachlorooctahydro-1,3,4-metheno-2*H*-cyclobuta[*cd*]pentalene.

Endosulfan (6,7,8,9,10,10-hexachloro-1,5,5a, 6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide).
Endosulfan sulfate (6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3,3-dioxide).
Heptachlor (1,4,5,6,7,8,8-heptachlor-3a,4,7, 7a-tetrahydro-4,7-methanoindene).
Heptachlor epoxide (1,4,5,6,7,8,8-heptachloro-2,3-epoxy-2,3,3a,4,7,7a-hexahydro-4,7-methanoindene).
Hexachlorophene (2,2′-methylenebis(3,4,6-trichlorophenol) and its monosodium salt.
Isopropyl 4,4′-dichlorobenzilate.
Lindane.
Methoxychlor.
Ovex (*p*-chlorophenyl *p*-chlorobenzenesulfonate).
Sesone (sodium 2,4-dichlorophenoxyethyl sulfate, SES).
Sodium 2,4-dichlorophenoxyacetate.
Sodium trichloroacetate.
Sulphenone (*p*-chlorophenyl phenyl sulfone).
Terpene polychlorinates (chlorinated mixture of camphene, pinene, and related terpenes 65-66 percent chlorine).
2,3,5,6-Tetrachloronitrobenzene.
Tetradifon (2,4,5,4′-tetrachlorodiphenyl sulfone).
Toxaphene (chlorinated camphene).
Trichlorobenzoic acid.
Trichlorobenzyl chloride.

(5) The following are members of the class of cholinesterase-inhibiting pesticides:

Acephate (*O*,*S*-dimethyl acetylphosphoramidothioate) and its cholinesterase-inhibiting metabolite *O*,*S*-dimethyl phosphoramidothioate.
Aldicarb (2-methyl-2-(methylthio) propionaldehyde *O*-(methylcarbamoyl)oxime) and its chlorinesterase-inhibiting metabolites 2-methyl-2-(methylsulfinyl)propionaldehyde *O*-(methycarbamoyl) oxime and 2-methyl-2-(methylsulfonyl)propionaldehyde *O*-(methylcarbamoyl)oxime.
4-*tert*-Butyl-2-chlorophenyl methyl methyl phosphoramidate.
S-[(*tert*-Butylthio)methyl] *O*,*O*-diethyl phosphorodithioate and its cholinesterase-inhibiting metabolites.
Carbaryl (1-naphthyl *N*-methylcarbamate).
Carbofuran (2,3,-dihydro-2,2-dimethyl-7-benzofuranyl-*N*-methylcarbamate).
Carbofuran metabolite (2,3-dihydro-2,2-dimethyl-3-hydroxy-7-benofuranyl *N*-methylcarbamate).
Carbophenothion (*S*-[(*p*-chlorophenyl) thiolmethyl] *O*,*O*-diethyl phosphorodithioate) and its cholinesterase-inhibiting metabolites.
Chlorpyrifos (*O*,*O*-diethyl *O*-(3,5,6-trichloro-2-pyridyl)phosphorothioate).
Chlorpyrifos-methyl (*O*,*O*-dimethyl-*O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate.
2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate.
2-Chloro-1-(2,4-dichlorophenyl) vinyl diethyl phosphate.
Coumaphos (*O*,*O*-diethyl *O*-3-chloro-4-methyl-2-oxo-2*H*-1-benzopyran-7-yl phosran-7-yl phosphate).
Coumaphos oxygen analog (*O*,*O*-diethyl *O*-3-chloro-4-methyl-2-oxo-2*H*-1-benzopyphorothioate).
Dialifor (*S*-(2-chloro-1-phthalimidoethyl) *O*,*O*-diethyl phosphorodithioate).
Dialifor oxygen analog (*S*-(2-chloro-1-phthalimidoethyl) *O*,*O*-diethyl phosphorothioate).
Demeton (a mixture of *O*,*O*-diethyl *O*-(and *S*) [2-ethylthio)ethyl] phosphorothioates).
Ethiolate (*S*-ethyl diethylthiocarbamate).
2,2-Dichlorovinyl dimethyl phosphate.
*O*,*O*-Diethyl *S*-[2-(ethylthio)ethyl] phosphorodithioate and its cholinesterase-inhibiting metabolites.
*O*,*O*-Diethyl *O*-(2-diethylamino-6-methyl-4-pyrimidinyl) phosphorothioate and its oxygen analog diethyl 2-diethylamino-6-methyl-4-pyrimidinyl phosphate.
*O*,*O*-Diethyl *O*-(2-isoprophyl-4-methyl-6-pyrimidinyl) phosphorothioate.
*O*,*O*-Diethyl *O*-[*p*-(methylsulfinyl)phenyl] phosphorothioate and its cholinesterase-inhibiting metabolites.
Diethyl 2-pyrazinyl phosphate.
*O*,*O*-Diethyl *O*-2-pyrazinyl phosphorothioate.
*S*-(*O*,*O*-Diisopropyl phosphorodithioate) of *N*-(2-mercaptoethyl) benzenesulfonamide
*S*-(*O*,*O*-Diisopropyl phosphorodithioate) of *N*-(2-mercaptoethyl) benzenesulfonamide
2-(Dimethylamino)-5.6-dimethyl-4-pyrimidinyl dimethylcarbamate and its metabolites 5,6-dimethyl-2-(formylmethylamino)-4-pyrimidinyl dimethylcarbamate and 5,6-dimethyl-2-(methylamino)-4-pyrimidinyl dimethylcarbamate (both calculated as parent).
Dimethoate (*O*,*O*-dimethyl *S*-(*N*-methylcarbamoylmethyl) phosphorodithioate).
Dimethoate oxygen analog (*O*,*O*-dimethyl *S*-(*N*-methylcarbamoylmethyl) phosphorothioate).
*O*,*O*-Dimethyl *O*-*p*-(dimethylsulfamoyl) phenyl phosphate.
*O*,*O*-Dimethyl *O*-*p*-(dimethylsulfamoyl) phenyl phosphorothioate.
3,5-Dimethyl-4-(methylthio) phenyl methylcarbamate.
*O*,*O*-Dimethyl *S*-[4-oxo-1,2,3-benzotriazin-3-(4*H*)-ylmethyl] phosphorodithioate.
Dimethyl phosphate of 3-hydroxy-*N*,*N*-dimethyl-*cis*-crotonamide.
Dimethyl phosphate of 3-hydroxy-*N*-methyl-*cis*-crotonamide.
Dimethyl phosphate of α-methylbenzyl 3-hydroxy-*cis*-crotonate.
*O*,*O*-Dimethyl 2,2,2-trichloro-1-hydroxyethyl phosphonate.

*O,O*-Dimethyl phosphorodithioate, *S*-ester with 4-(mercaptomethyl)-2-methozy-Δ2-1,3,4-thiadiazolin-5-one.
Dioxathion (2,3-*p*-dioxanedithiol *S,S*-bis (*O,O*-diethylphosphorodithioate)) containing approximately 70 percent *cis* and *trans* isomers and approximately 30 percent related compounds.
EPN.
Ethephon ((2- - chloroethyl) phosphonic acid).
Ethion.
Ethion oxygen analog (*S*-[[(diethoxyphosphinothioyl)thio] methyl] *O,O*-diethyl phosphorothioate).
*O*- Ethyl *O*-[4-(methylthio) phenyl] *S*-propyl phosphorodithioate and its cholinesterase-inhibiting metabolites.
*O*-Ethyl *S,S*-dipropylphosphorodithioate.
Ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl) phosphoramidate and its cholinesterase-inhibiting metabolites.
*O*-Ethyl *S*-phenyl ethylphosphonodithioate.
*O*-Ethyl *S*-phenyl ethylphosphonothiolate.
*m*-(1-Ethylpropyl)phenyl methylcarbamate.
*S*-[2-Ethylsulfinyl)ethyl] *O,O*-dimethyl phosphorothioate and its cholinesterase-inhibiting metabolites, (primarily *S*-[2-(ethyl-sulfonyl)ethyl] *O,O*-dimethyl phosphorothioate).
Fenthion (*O,O*-dimethyl *O*-[3-methyl-4-(methylthio)phenyl]phosphorothioate and its cholinesterase-inhibiting metabolites.
Malathion.
*N*-(Mercaptomethyl)phthalimide *S*-(*O,O*-dimethyl phosphorodithioate).
*N*-(Mercaptomethyl)phthalimide *S*-(*O,O*-dimethyl phosphorothioate).
Methomyl (*S*-methyl *N*-[(methylcarbamoyl)oxy]thioacetimidate).
1-Methoxycarbonyl-1-propen-2-yl dimethyl phosphate and its beta isomer.
*m*-(1-Methylbutyl)phenyl methylcarbamate.
Methyl parathion.
Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate).
Oxamyl (methyl N′,N′-dimethyl-N-[(methylcarbamoyl)oxy]-1-thiooxamimidate)
Parathion.
Phorate (*O,O*-diethyl *S*-(ethylthio)methyl phosphorodithioate) and its cholinesterase-inhibiting metabolites.
Phosalone (*S*-(6-chloro-3-mercaptomethyl)-2-benzoxazolinone) *O,O*-diethyl phosphorodithioate).
Phosphamidon (2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate) including all of its related cholinesterase-inhibiting compounds.
Pirimiphos-methyl *O*-[2-diethylamino-6-methyl-pyrimidinyl) *O,O*-dimethyl phosphorothioate
Ronnel.
Schradan (octamethylpyrophosphoramide).
Tetraethyl pyrophosphate.
*O,O,O′,O′*-Tetramethyl *O,O′*-sulfinyldi-*p*-phenylene phosphorothioate.
*O,O,O′,O′*-Tetramethyl *O,O′*-thiodi-*p*-phenylene phosphorothioate.
Tributyl phosphorotritlioite.
*S,S,S*-Tributyl phosphorothrithioate.
3,4,5-Trimethylphenyl methylcarbamate and its isomer 2,3,5-trimethylphenyl methylcarbamate.

(6) The following pesticides are members of the class of dinitrophenols:

2,4-Dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate, mixture of.
4,6-Dinitro-*o*-cresol and its sodium salt.
Dinoseb (2-*sec*-butyl-4,6-dinitrophenol) and its alkanolamine, ammonium, and sodium salts.

[41 FR 8969, Mar. 2, 1976]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.3, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.4 Exceptions.

The substances listed in this section are excepted from the definitions of ''pesticide chemical'' and ''pesticide chemical residue'' under FFDCA section 201(q)(3) and are therefore exempt from regulation under FFDCA section 402(a)(2)(B) and 408. These substances are subject to regulation by the Food and Drug Administration as food additives under FFDCA section 409.

(a) Inert ingredients in food packaging treated with a pesticide, when such inert ingredients are the components of the food packaging material (e.g. paper and paperboard, coatings, adhesives, and polymers).

(b) [Reserved]

[63 FR 10720, Mar. 4, 1998, as amended at 73 FR 54976, Sept. 24, 2008]

### § 180.5 Zero tolerances.

A zero tolerance means that no amount of the pesticide chemical may remain on the raw agricultural commodity when it is offered for shipment. A zero tolerance for a pesticide chemical in or on a raw agricultural commodity may be established because, among other reasons:

(a) A safe level of the pesticide chemical in the diet of two different species of warm-blooded animals has not been reliably determined.

(b) The chemical is carcinogenic to or has other alarming physiological effects upon one or more of the species of the test animals used, when fed in the diet of such animals.

(c) The pesticide chemical is toxic, but is normally used at times when, or in such manner that, fruit, vegetables, or other raw agricultural commodities will not bear or contain it.

(d) All residue of the pesticide chemical is normally removed through good agricultural practice such as washing or brushing or through weathering or other changes in the chemical itself, prior to introduction of the raw agricultural commodity into interstate commerce.

### § 180.6 Pesticide tolerances regarding milk, eggs, meat, and/or poultry; statement of policy.

(a) When establishing tolerances for pesticide residues in or on raw agricultural commodities, consideration is always given to possible residues of those pesticide chemicals or their conversion products entering the diet of man through the ingestion of milk, eggs, meat, and/or poultry produced by animals fed agricultural products bearing such pesticide residues. In each instance an evaluation of all available data will result in a conclusion either:

(1) That finite residues will actually be incurred in these foods from feed use of the raw agricultural commodity including its byproducts; or

(2) That it is not possible to establish with certainty whether finite residues will be incurred, but there is a reasonable expectation of finite residues; or

(3) That it is not possible to establish with certainty whether finite residues will be incurred, but there is no reasonable expectation of finite residues.

(b) When the data show that finite residues will actually be incurred in milk, eggs, meat, and/or poultry, a tolerance will be established on the raw agricultural commodity used as feed provided that tolerances can be established at the same time, on the basis of the toxicological and other data available, for the finite residues incurred in milk, eggs, meat, and/or poultry. When it is not possible to determine with certainty whether finite residues will be incurred in milk, eggs, meat, and/or poultry but there is a reasonable expectation of finite residues in light of data reflecting exaggerated pesticides levels in feeding studies, a tolerance will be established on the raw agricultural commodity provided that appropriate tolerances can be established at the same time, on the basis of the toxicological and other data available, for the finite residues likely to be incurred in these foods through the feed use of the raw agricultural commodity or its byproducts. When it is not possible to determine with certainty whether finite residues will be incurred in milk, eggs, meat, and/or poultry but there is no reasonable expectation of finite residues in light of data such as those reflecting exaggerated pesticide levels in feeding studies and those elucidating the biochemistry of the pesticide chemical in the animal, a tolerance may be established on the raw agricultural commodity without the necessity of a tolerance on food products derived from the animal.

(c) The principles outlined in paragraphs (a) and (b) of this section will also be followed with respect to tolerances for residues which will actually be incurred or are reasonably to be expected in milk, eggs, meat, and/or poultry by the use of pesticides directly on the animal or administered purposely in the feed or drinking water.

(d) Tolerances contemplated by paragraphs (a) and (b) of this section will in addition to toxicological considerations be conditioned on the availability of a practicable analytical method to determine the pesticide residue; that is, the method must be sensitive and reliable at the tolerance level or in special cases at a higher level where such level is deemed satisfactory and safe in light of the toxicity of the pesticide residue and of the unlikelihood of such residue exceeding the tolerance. The analytical methods to be used for enforcement purposes will be those set forth in the ''Pesticide Analytical Manual'' (see § 180.101(c)). The sensitivities of these methods are expressed in that manual.

## Subpart B—Procedural Regulations

### § 180.7 Petitions proposing tolerances or exemptions for pesticide residues in or on raw agricultural commodities or processed foods.

(a) Petitions to be filed with the Agency under the provisions of FFDCA section 408(d) shall be submitted in duplicate. If any part of the material submitted is in a foreign language, it shall be accompanied by an accurate and complete English translation. The petition shall be accompanied by an advance deposit for fees described in § 180.33. The petition shall state the petitioner's mail address to which notice of objection under FFDCA section 408(g)(2) may be sent. The petition must be signed by the petitioner or by his attorney or agent, or (if a corporation) by an authorized official.

(b) Petitions shall include the following information:

(1) An informative summary of the petition and of the data, information, and arguments submitted or cited in support of the petition. Both a paper and electronic copy of the summary should be submitted. The electronic copy should be formatted according to the Office of Pesticide Programs' current standard for electronic data submission as specified at *http://www.epa.gov/pesticides/regulating/registering/submissions/index.htm*.

(2) A statement that the petitioner agrees that such summary or any information it contains may be published as a part of the notice of filing of the petition to be published under FFDCA section 408(d)(3) and as a part of a proposed or final regulation issued under FFDCA section 408.

(3) The name, chemical identity, and composition of the pesticide chemical residue and of the pesticide chemical that produces the residue.

(4) Data showing the recommended amount, frequency, method, and time of application of the pesticide chemical.

(5) Full reports of tests and investigations made with respect to the safety of the pesticide chemical, including full information as to the methods and controls used in conducting those tests and investigations.

(6) Full reports of tests and investigations made with respect to the nature and amount of the pesticide chemical residue that is likely to remain in or on the food, including a description of the analytical methods used. (See § 180.34 for further information about residue tests.)

(7) Proposed tolerances for the pesticide chemical residue if tolerances are proposed.

(8) Practicable methods for removing any amount of the residue that would exceed any proposed tolerance.

(9) A practical method for detecting and measuring the levels of the pesticide chemical residue in or on the food, or for exemptions, a statement why such a method is not needed.

(10) If the petition relates to a tolerance for a processed food, reports of investigations conducted using the processing method(s) used to produce that food.

(11) Such information as the Administrator may require to make the determination under FFDCA section 408(b)(2)(C).

(12) Such information as the Administrator may require on whether the pesticide chemical may have an effect in humans that is similar to an effect produced by a naturally occurring estrogen or other endocrine effects.

(13) Information regarding exposure to the pesticide chemical residue due to any tolerance or exemption already granted for such residue.

(14) Information concerning any maximum residue level established by the Codex Alimentarius Commission for the pesticide chemical residue addressed in the petition. If a Codex maximum residue level has been established for the pesticide chemical residue and the petitioner does not propose that this level be adopted, a statement explaining the reasons for this departure from the Codex level.

(15) Such other data and information as the Administrator requires by regulation to support the petition.

(16) Reasonable grounds in support of the petition.

(c) The data specified under paragraphs (b)(1) through (b)(16) of this section should be on separate sheets or sets of sheets, suitably identified. If such data have already been submitted

with an earlier application, the present petition may incorporate it by reference to the earlier one.

(d) Except as noted in paragraph (e) of this section, a petition shall not be accepted for filing if any of the data prescribed by FFDCA section 408(d) are lacking or are not set forth so as to be readily understood. The availability to the public of information provided to, or otherwise obtained by, the Agency under this part shall be governed by part 2 of this chapter. The Administrator shall make the full text of the summary referenced in paragraph (b)(1) of this section available to the public in the public docket at *http://www.regulations.gov* no later than publication in the FEDERAL REGISTER of the notice of the petition filing.

(e) The Administrator shall notify the petitioner within 15 days after its receipt of acceptance or nonacceptance of a petition, and if not accepted the reasons therefor. If petitioner desires, the petitioner may supplement a deficient petition after notification as to deficiencies. If the petitioner does not wish to supplement or explain the petition and requests in writing that it be filed as submitted, the petition shall be filed and the petitioner so notified.

(f) A notice of the filing of a petition for a pesticide chemical residue tolerance that the Administrator determines has met the requirements of paragraph (b) of this section shall be published in the FEDERAL REGISTER by the Administrator within 30 days after such determination. The notice shall state the name of the pesticide chemical residue and the commodities for which a tolerance is sought and announce the availability of a description of the analytical methods available to the Administrator for the detection and measurement of the pesticide chemical residue with respect to which the petition is filed or shall set forth the petitioner's statement of why such a method is not needed. The notice shall explicitly reference the specific docket identification number in the public docket at *http://www.regulations.gov* where the full text of the summary required in paragraph (b) of this section is located, and refer interested parties to this document for further information on the petition. The full text of the summary may be omitted from the notice.

(g) The Administrator may request a sample of the pesticide chemical at any time while a petition is under consideration. The Administrator shall specify in its request for a sample of the pesticide chemical, a quantity which it deems adequate to permit tests of analytical methods used to determine residues of the pesticide chemical and of methods proposed by the petitioner for removing any residues of the chemical that exceed the tolerance proposed.

(h) The Administrator shall determine, in accordance with the Act, whether to issue an order that establishes, modifies, or revokes a tolerance regulation (whether or not in accord with the action proposed by the petitioner), whether to publish a proposed tolerance regulation and request public comment thereon under § 180.29, or whether to deny the petition. The Administrator shall publish in the FEDERAL REGISTER such order or proposed regulation. After receiving comments on any proposed regulation, the Administrator may issue an order that establishes, modifies, or revokes a tolerance regulation. An order published under this section shall describe briefly how to submit objections and requests for a hearing under part 178 of this chapter. A regulation issued under this section shall be effective on the date of publication in the FEDERAL REGISTER unless otherwise provided in the regulation.

[70 FR 33360, June 8, 2005, as amended at 73 FR 75600, Dec. 12, 2008]

### § 180.8 Withdrawal of petitions without prejudice.

In some cases the Administrator will notify the petitioner that the petition, while technically complete, is inadequate to justify the establishment of a tolerance or the tolerance requested by petitioner. This may be due to the fact that the data are not sufficiently clear or complete. In such cases, the petitioner may withdraw the petition pending its clarification or the obtaining of additional data. This withdrawal may be without prejudice to a future filing. A deposit for fees as specified in § 180.33

shall accompany the resubmission of the petition.

[70 FR 33361, June 8, 2005]

### § 180.9 Substantive amendments to petitions.

After a petition has been filed, the petitioner may submit additional information or data in support thereof, but in such cases the petition will be given a new filing date.

[70 FR 33361, June 8, 2005]

### § 180.29 Establishment, modification, and revocation of tolerance on initiative of Administrator.

(a) Upon the Administrator's own initiative, the Administrator may propose, under FFDCA section 408(e), the issuance of a regulation establishing a tolerance for a pesticide chemical or exempting it from the necessity of a tolerance, or a regulation modifying or revoking an existing tolerance or exemption.

(b) The Administrator shall provide a period of not less than 60 days for persons to comment on the proposed regulation, except that a shorter period for comment may be provided if the Administrator for good cause finds that it would be in the public interest to do so and states the reasons for the finding in the notice of proposed rulemaking.

(c) After reviewing any timely comments received, the Administrator may by order establish, modify, or revoke a tolerance regulation, which order and regulation shall be published in the FEDERAL REGISTER. An order published under this section shall state that persons may submit objections and requests for a hearing in the manner described in part 178 of this chapter.

(d) Any final regulation issued under this section shall be effective on the date of publication in the FEDERAL REGISTER unless otherwise provided in the regulation.

[70 FR 33361, June 8, 2005]

### § 180.30 Judicial review.

(a) Under FFDCA section 408(h), judicial review is available in the United States Courts of Appeal as to the following actions:

(1) Regulations establishing general procedures and requirements under FFDCA section 408(e)(1)(C).

(2) Orders issued under FFDCA section 408(f)(1)(C) requiring the submission of data.

(3) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to establishment, modification, or revocation of a tolerance or exemption under FFDCA section 408(d)(4), or any regulation that is the subject of such an order. The underlying action here is Agency disposition of a petition seeking the establishment, modification, or revocation of a tolerance or exemption.

(4) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to the denial of a petition under FFDCA section 408(d)(4).

(5) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to the establishment, modification, suspension, or revocation of a tolerance or exemption under FFDCA section 408(e)(1)(A) or (e)(1)(B). The underlying action here is the establishment, modification, suspension, or revocation of a tolerance or exemption upon the initiative of EPA including EPA actions pursuant to FFDCA sections 408(b)(2)(B)(v), 408(b)(2)(E)(ii), 408(d)(4)(C)(ii), 408(l)(4), and 408(q)(1).

(6) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to the revocation or modification of a tolerance or exemption under FFDCA section 408(f)(2) for noncompliance with requirements for the submission of data.

(7) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to rules issued under FFDCA sections 408(n)(3) and 408(d) or (e) regarding determinations pertaining to State authority to establish regulatory limits on pesticide chemical residues.

(8) Orders issued under FFDCA section 408(g)(2)(C) ruling on objections to orders issued under FFDCA section 408(n)(5)(C) authorizing States to establish regulatory limits not identical to certain tolerances or exemptions.

(b) Any issue as to which review is or was obtainable under paragraph (a) of this section shall not be the subject of judicial review under any other provision of law. In part, this means that, for the Agency actions subject to the

objection procedure in FFDCA section 408(g)(2), judicial review is not available unless an adversely affected party exhausts these objection procedures, and any petition procedures preliminary thereto.

[70 FR 33362, June 8, 2005]

### § 180.31 Temporary tolerances.

(a) A temporary tolerance (or exemption from a tolerance) established under the authority of FFDCA section 408(r) shall be deemed to be a tolerance (or exemption from the requirement of a tolerance) for the purposes of FFDCA section 408(a)(1) or (a)(2) and for the purposes of § 180.30.

(b) A request for a temporary tolerance or a temporary exemption from a tolerance by a person who has obtained or is seeking an experimental permit for a pesticide chemical under the Federal Insecticide, Fungicide, and Rodenticide Act shall be accompanied by such data as are available on subjects outlined in § 180.7(b) and an advance deposit to cover fees as provided in § 180.33.

(c) To obtain a temporary tolerance, a requestor must comply with the petition procedures specified in FFDCA section 408(d) and § 180.7 except as provided in this section.

(d) A temporary tolerance or exemption from a tolerance may be issued for a period designed to allow the orderly marketing of the raw agricultural commodities produced while testing a pesticide chemical under an experimental permit issued under authority of the Federal Insecticide, Fungicide, and Rodenticide Act if the Administrator concludes that the safety standard in FFDCA section 408(b)(2) or (c), as applicable, is met. Subject to the requirements of FFDCA section 408(e), a temporary tolerance or exemption from a tolerance may be revoked if the experimental permit is revoked, or may be revoked at any time if it develops that the application for a temporary tolerance contains a misstatement of a material fact or that new scientific data or experience with the pesticide chemical indicates that it does not meet the safety standard in FFDCA section 408(b)(2) or (c), as applicable.

(e) Conditions under which a temporary tolerance is established shall include:

(1) A limitation on the amount of the chemical to be used on the designated crops permitted under the experimental permit.

(2) A limitation for the use of the chemical on the designated crops to bona fide experimental use by qualified persons as indicated in the experimental permit.

(3) A requirement that the person or firm which obtains the experimental permit for which the temporary tolerance is established will immediately inform the Environmental Protection Agency of any reports on findings from the experimental use that have a bearing on safety.

(4) A requirement that the person or firm which obtained the experimental permit for which the temporary tolerance is established will keep records of production, distribution, and performance for a period of 2 years and, on request, at any reasonable time, make these records available to any authorized officer or employee of the Environmental Protection Agency.

[70 FR 33362, June 8, 2005]

### § 180.32 Procedure for modifying and revoking tolerances or exemptions from tolerances.

(a) The Administrator on his/her own initiative may propose the issuance of a regulation modifying or revoking a tolerance for a pesticide chemical residue on raw agricultural commodities or processed foods or modifying or revoking an exemption from tolerance for such residue.

(b) Any person may file with the Administrator a petition proposing the issuance of a regulation modifying or revoking a tolerance or exemption from a tolerance for a pesticide chemical residue. The petition shall furnish reasonable grounds for the action sought. Reasonable grounds shall include an explanation showing wherein the person has a substantial interest in such tolerance or exemption from tolerance and an assertion of facts (supported by data if available) showing that new uses for the pesticide chemical have been developed or old uses abandoned, that new data are available

as to toxicity of the chemical, or that experience with the application of the tolerance or exemption from tolerance may justify its modification or revocation. Evidence that a person has registered or has submitted an application for the registration of a pesticide under the Federal Insecticide, Fungicide, and Rodenticide Act will be regarded as evidence that the person has a substantial interest in a tolerance or exemption from the requirement of a tolerance for a pesticide chemical that consists in whole or in part of the pesticide. New data should be furnished in the form specified in § 180.7(b) for submitting petitions, as applicable.

(c) The procedures for completing action on an Administrator initiated proposal or a petition shall be those specified in §§ 180.29 and 180.7, as applicable.

[70 FR 33362, June 8, 2005]

### § 180.33 Fees.

(a) Each petition for the establishment of a new tolerance or a tolerance higher than already established, shall be accompanied by a fee of $80,950, plus $2,025 for each raw agricultural commodity more than nine on which the establishment of a tolerance is requested, except as provided in paragraphs (b), (d), and (h) of this section.

(b) Each petition for the establishment of a tolerance at a lower numerical level or levels than a tolerance already established for the same pesticide chemical, or for the establishment of a tolerance on additional raw agricultural commodities at the same numerical level as a tolerance already established for the same pesticide chemical, shall be accompanied by a fee of $18,500 plus $1,225 for each raw agricultural commodity on which a tolerance is requested.

(c) Each petition for an exemption from the requirement of a tolerance or repeal of an exemption shall be accompanied by a fee of $14,925.

(d) Each petition or request for a temporary tolerance or a temporary exemption from the requirement of a tolerance shall be accompanied by a fee of $32,325 except as provided in paragraph (e) of this section. A petition or request to renew or extend such temporary tolerance or temporary exemption shall be accompanied by a fee of $4,600.

(e) A petition or request for a temporary tolerance for a pesticide chemical which has a tolerance for other uses at the same numerical level or a higher numerical level shall be accompanied by a fee of $16,075, plus $1,225 for each raw agricultural commodity on which the temporary tolerance is sought.

(f) Each petition for revocation of a tolerance shall be accompanied by a fee of $10,125. Such fee is not required when, in connection with the change sought under this paragraph, a petition is filed for the establishment of new tolerances to take the place of those sought to be revoked and a fee is paid as required by paragraph (a) of this section.

(g) If a petition or a request is not accepted for processing because it is technically incomplete, the fee, less $2,025 for handling and initial review, shall be returned. If a petition is withdrawn by the petitioner after initial processing, but before significant Agency scientific review has begun, the fee, less $2,025 for handling and initial review, shall be returned. If an unacceptable or withdrawn petition is resubmitted, it shall be accompanied by the fee that would be required if it were being submitted for the first time.

(h) Each petition for a crop group tolerance, regardless of the number of raw agricultural commodities involved, shall be accompanied by a fee equal to the fee required by the analogous category for a single tolerance that is not a crop group tolerance, *i.e.*, paragraphs (a) through (f) of this section, without a charge for each commodity where that would otherwise apply.

(i) Objections under section 408(d)(5) of the Act shall be accompanied by a filing fee of $4,050.

(j) The person who files a petition for judicial review of an order under section 408(h) of the Act shall pay the costs of preparing the record on which the order is based unless the person has no financial interest in the petition for judicial review.

(k) No fee under this section will be imposed on the Interregional Research Project Number 4 (IR-4 Program).

(l) The Administrator may waive or refund part or all of any fee imposed by this section if the Administrator determines in his or her sole discretion that such a waiver or refund will promote the public interest or that payment of the fee would work an unreasonable hardship on the person on whom the fee is imposed. A request for waiver or refund of a fee shall be submitted to the Office of Pesticide Programs' Document Processing Desk at the appropriate address as set forth in 40 CFR 150.17(a) or (b). A fee of $2,025 shall accompany every request for a waiver or refund, as specified in paragraph (m) of this section, except that the fee under this paragraph shall not be imposed on any person who has no financial interest in any action requested by such person under paragraphs (a) through (j) of this section. The fee for requesting a waiver or refund shall be refunded if the request is granted.

(m) All deposits and fees required by the regulations in this part shall be paid by money order, bank draft, or certified check drawn to the order of the Environmental Protection Agency. All deposits and fees shall be forwarded to the Environmental Protection Agency, Headquarters Accounting Operations Branch, Office of Pesticide Programs (Tolerance Fees), P.O. Box 360277M, Pittsburgh, PA 15251. The payments should be specifically labeled ''Tolerance Petition Fees'' and should be accompanied only by a copy of the letter or petition requesting the tolerance. The actual letter or petition, along with supporting data, shall be forwarded within 30 days of payment to the Office of Pesticide Programs' Document Processing Desk at the appropriate address as set forth in 40 CFR 150.17(a) or (b). A petition will not be accepted for processing until the required fees have been submitted. A petition for which a waiver of fees has been requested will not be accepted for processing until the fee has been waived or, if the waiver has been denied, the proper fee is submitted after notice of denial. A request for waiver or refund will not be accepted after scientific review has begun on a petition.

(n) This fee schedule will be changed annually by the same percentage as the percent change in the Federal General Schedule (GS) pay scale. In addition, processing costs and fees will periodically be reviewed and changes will be made to the schedule as necessary. When automatic adjustments are made based on the GS pay scale, the new fee schedule will be published in the FEDERAL REGISTER as a final rule to become effective 30 days or more after publication, as specified in the rule. When changes are made based on periodic reviews, the changes will be subject to public comment.

(o) No fee required by this section shall be levied during the period beginning on October 1, 2003, and ending September 30, 2008.

[68 FR 24371, May 7, 2003, as amended at 69 FR 12544, Mar. 17, 2004; 70 FR 33363, June 8, 2005; 71 FR 35547, June 21, 2006]

### § 180.34 Tests on the amount of residue remaining.

(a) Data in a petition on the amount of residue remaining in or on a raw agricultural commodity should establish the residue that may remain when the pesticide chemical is applied according to directions registered under the Federal Insecticide, Fungicide, and Rodenticide Act, or according to directions contained in an application for registration. These data should establish the residues that may remain under conditions most likely to result in high residues on the commodity.

(b) The petition should establish the reliability of the residue data reported in it. Sufficient information should be submitted about the analytical method to permit competent analysts to apply it successfully.

(c) If the pesticide chemical is absorbed into a living plant or animal when applied (is systemic), residue data may be needed on each plant or animal on which a tolerance or exemption is requested.

(d) If the pesticide chemical is not absorbed into the living plant or animal when applied (is not systemic), it may be possible to make a reliable estimate of the residues to be expected on each commodity in a group of related commodities on the basis of less data than would be required for each commodity in the group, considered separately.

(e) Each of the following groups of crops lists raw agricultural commodities that are considered to be related for the purpose of paragraph (d) of this section. Commodities not listed in this paragraph are not considered to be related for the purpose of paragraph (d) of this section.

(1) Apples, crabapples, pears, quinces.

(2) Avocados, papayas.

(3) Blackberries, boysenberries, dewberries, loganberries, raspberries.

(4) Blueberries, currants, gooseberries, huckleberries.

(5) Cherries, plums, prunes.

(6) Oranges, citrus citron, grapefruit, kumquats, lemons, limes, tangelos, tangerines.

(7) Mangoes, persimmons.

(8) Peaches, apricots, nectarines.

(9) Beans, peas, soybeans (each in dry form).

(10) Beans, peas, soybeans (each in succulent form).

(11) Broccoli, brussels sprouts, cauliflower, kohlrabi.

(12) Cantaloups, honeydew melons, muskmelons, pumpkins, watermelons, winter squash.

(13) Carrots, garden beets, sugar beets, horseradish, parsnips, radishes, rutabagas, salsify roots, turnips.

(14) Celery, fennel.

(15) Cucumbers, summer squash.

(16) Lettuce, endive (escarole), Chinese cabbage, salsify tops.

(17) Onions, garlic, leeks, shallots (green, or in dry bulb form).

(18) Potatoes, Jerusalem-artichokes, sweetpotatoes, yams.

(19) Spinach, beet tops, collards, dandelion, kale, mustard greens, parsley, Swiss chard, turnip tops, watercress.

(20) Tomatoes, eggplants, peppers, pimentos.

(21) Pecans, almonds, brazil nuts, bush nuts, butternuts, chestnuts, filberts, hazelnuts, hickory nuts, walnuts.

(22) Field corn, popcorn, sweet corn (each in grain form).

(23) Milo, sorghum (each in grain form).

(24) Wheat, barley, oats, rice, rye (each in grain form).

(25) Alfalfa, Bermuda grass, bluegrass, brome grass, clovers, cowpea hay, fescue, lespedeza, lupines, orchard grass, peanut hay, peavine hay, rye grass, soybean hay, sudan grass, timothy, and vetch.

(26) Corn forage, sorghum forage.

(27) Sugarcane, cane sorghum.

[36 FR 22540, Nov. 25, 1971, as amended at 39 FR 28286, Aug. 6, 1974; 39 FR 28977, Aug. 13, 1974; 40 FR 6972, Feb. 18, 1975; 45 FR 82928, Dec. 17, 1980; 48 FR 29860, June 29, 1983; 60 FR 26635, May 17, 1995; 73 FR 75600, Dec. 12, 2008]

### § 180.35 Tests for potentiation.

Experiments have shown that certain cholinesterase-inhibiting pesticides when fed together to test animals are more toxic than the sum of their individual toxicities when fed separately. One substance potentiates the toxicity of the other. Important toxicological interactions also have been observed between pesticides and other substances. Wherever there is reason to believe that a pesticide chemical for which a tolerance is proposed may interact with other pesticide chemicals or other substances to which man is exposed, it may be necessary to require special experimental data regarding potentiation capacities to evaluate the safety of the proposed tolerance. This necessarily will be determined on a case-by-case basis.

### § 180.40 Tolerances for crop groups.

(a) Group or subgroup tolerances may be established as a result of:

(1) A petition from a person who has submitted an application for the registration of a pesticide under the Federal Insecticide, Fungicide, and Rodenticide Act.

(2) On the initiative of the Administrator.

(3) A petition by an interested person.

(b) The tables in § 180.41 are to be used in conjunction with this section for the establishment of crop group tolerances. Each table in § 180.41 lists a group of raw agricultural commodities that are considered to be related for the purposes of this section. Refer also to § 180.1(g) for a listing of commodities for which established tolerances may be applied to certain other related and similar commodities.

(c) When there is an established or proposed tolerance for all of the representative commodities for a specific

group or subgroup of related commodities, a tolerance may be established for all commodities in the associated group or subgroup. Tolerances may be established for a crop group or, alternatively, tolerances may be established for one or more of the subgroups of a crop group.

(d) The representative crops are given as an indication of the minimum residue chemistry data base acceptable to the Agency for the purposes of establishing a group tolerance. The Agency may, at its discretion, allow group tolerances when data on suitable substitutes for the representative crops are available (e.g., limes instead of lemons).

(e) Since a group tolerance reflects maximum residues likely to occur on all individual crops within a group, the proposed or registered patterns of use for all crops in the group or subgroup must be similar before a group tolerance is established. The pattern of use consists of the amount of pesticide applied, the number of times applied, the timing of the first application, the interval between applications, and the interval between the last application and harvest. The pattern of use will also include the type of application; for example, soil or foliar application, or application by ground or aerial equipment.

(f) When the crop grouping contains commodities or byproducts that are utilized for animal feed, any needed tolerance or exemption from a tolerance for the pesticide in meat, milk, poultry and/or eggs must be established before a tolerance will be granted for the group as a whole. The representative crops include all crops in the group that could be processed such that residues may concentrate in processed food and/or feed. Processing data will be required prior to establishment of a group tolerance. Tolerances will not be granted on a group basis as to processed foods prepared from crops covered by the group tolerance.

(g) If maximum residues (tolerances) for the representative crops vary by more than a factor of 5 from the maximum value observed for any crop in the group, a group or subgroup tolerance will ordinarily not be established. In this case individual crop tolerances, rather than group tolerances, will normally be established.

(h) Alternatively, a commodity with a residue level significantly higher or lower than the other commodities in a group may be excluded from the group tolerance (e.g., cereal grains, except corn). In this case an individual tolerance at the appropriate level for the unique commodity would be established, if necessary. The alternative approach of excluding a commodity with a significantly higher or lower residue level will not be used to establish a tolerance for a commodity subgroup. Most subgroups have only two representative commodities; to exclude one such commodity and its related residue data would likely provide insufficient residue information to support the remainder of the subgroup. Residue data from crops additional to those representative crops in a grouping may be required for systemic pesticides.

(i) The commodities included in the groups will be updated periodically either at the initiative of the Agency or at the request of an interested party. Persons interested in updating this section should contact the Registration Division of the Office of Pesticide Programs.

(j) When EPA amends a crop group in a manner that expands or contracts the commodities that are covered by the group, EPA will initially retain the pre-existing as well as the revised crop group in the CFR. The revised crop group will have the same number as the pre-existing crop group; however, the revised crop group number will be followed by a hyphen and the final two digits of the year in which it was established (e.g., if Crop Group 1 is amended in 2007, the revised group will be designated as Crop Group 1-07). If the pre-existing crop group had crop subgroups, these subgroups will be numbered in a similar fashion in the revised crop group. The name of the revised crop group will not be changed from the pre-existing crop group unless the revision so changes the composition of the crop group that the pre-existing name is no longer accurate. Once a revised crop group is established, EPA will no longer establish tolerances under the pre-existing crop group. At

appropriate times, EPA will amend tolerances for crop groups that have been superseded by revised crop groups to conform the pre-existing crop group to the revised crop group. Once all of the tolerances for the pre-existing crop group have been updated, the pre-existing crop group will be removed from the CFR.

(k) Establishment of a tolerance does not substitute for the additional need to register the pesticide under a companion law, the Federal Insecticide, Fungicide, and Rodenticide Act. The Registration Division of the Office of Pesticide Programs should be contacted concerning procedures for registration of new uses of a pesticide.

[60 FR 26635, May 17, 1995, as amended at 70 FR 33363, June 8, 2005; 72 FR 69155, Dec. 7, 2007; 75 FR 56014, Sept. 15, 2010]

### § 180.41 Crop group tables.

(a) The tables in this section are to be used in conjunction with § 180.40 to establish crop group tolerances.

(b) Commodities not listed are not considered as included in the groups for the purposes of this paragraph, and individual tolerances must be established. Miscellaneous commodities intentionally not included in any group include asparagus, avocado, banana, fig, globe artichoke, hops, mango, papaya, pawpaw, peanut, persimmon, pineapple, water chestnut, and watercress.

(c) Each group is identified by a group name and consists of a list of representative commodities followed by a list of all commodity members for the group. If the group includes subgroups, each subgroup lists the subgroup name, the representative commodity or commodities, and the member commodities for the subgroup. Subgroups, which are a subset of their associated crop group, are established for some but not all crops groups.

(1) *Crop Group 1:* Root and Tuber Vegetables Group.

(i) *Representative commodities.* Carrot, potato, radish, and sugar beet.

(ii) *Table.* The following table 1 lists all the commodities included in Crop Group 1 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 1: ROOT AND TUBER VEGETABLES

| Commodities | Related crop subgroups |
|---|---|
| Arracacha (*Arracacia xanthorrhiza*) | 1C, 1D |
| Arrowroot (*Maranta arundinacea*) | 1C, 1D |
| Artichoke, Chinese (*Stachys affinis*) | 1C, 1D |
| Artichoke, Jerusalem (*Helianthus tuberosus*) | 1C, 1D |
| Beet, garden (*Beta vulgaris*) | 1A, 1B |
| Beet, sugar (*Beta vulgaris*) | 1A |
| Burdock, edible (*Arctium lappa*) | 1A, 1B |
| Canna, edible (Queensland arrowroot) (*Canna indica*) | 1C, 1D |
| Carrot (*Daucus carota*) | 1A, 1B |
| Cassava, bitter and sweet (*Manihot esculenta*) | 1C, 1D |
| Celeriac (celery root) (*Apium graveolens* var. *rapaceum*) | 1A, 1B |
| Chayote (root) (*Sechium edule*) | 1C, 1D |
| Chervil, turnip-rooted (*Chaerophyllum bulbosum*) | 1A, 1B |
| Chicory (*Cichorium intybus*) | 1A, 1B |
| Chufa (*Cyperus esculentus*) | 1C, 1D |
| Dasheen (taro) (*Colocasia esculenta*) | 1C, 1D |
| Ginger (*Zingiber officinale*) | 1C, 1D |
| Ginseng (*Panax quinquefolius*) | 1A, 1B |
| Horseradish (*Armoracia rusticana*) | 1A, 1B |
| Leren (*Calathea allouia*) | 1C, 1D |
| Parsley, turnip-rooted (*Petroselinum crispum* var. *tuberosum*) | 1A, 1B |
| Parsnip (*Pastinaca sativa*) | 1A, 1B |
| Potato (*Solanum tuberosum*) | 1C |
| Radish (*Raphanus sativus*) | 1A, 1B |
| Radish, oriental (daikon) (*Raphanus sativus* subvar. *longipinnatus*) | 1A, 1B |
| Rutabaga (*Brassica campestris* var. *napobrassica*) | 1A, 1B |
| Salsify (oyster plant) (*Tragopogon porrifolius*) | 1A, 1B |
| Salsify, black (*Scorzonera hispanica*) | 1A, 1B |
| Salsify, Spanish (*Scolymus hispanicus*) | 1A, 1B |
| Skirret (*Sium sisarum*) | 1A, 1B |
| Sweet potato (*Ipomoea batatas*) | 1C, 1D |
| Tanier (cocoyam) (*Xanthosoma sagittifolium*) | 1C, 1D |
| Turmeric (*Curcuma longa*) | 1C, 1D |

TABLE 1—CROP GROUP 1: ROOT AND TUBER VEGETABLES—Continued

| Commodities | Related crop subgroups |
|---|---|
| Turnip (*Brassica rapa* var. *rapa*) | 1A, 1B |
| Yam bean (jicama, manoic pea) (*Pachyrhizus* spp.) | 1C, 1D |
| Yam, true (*Dioscorea* spp.) | 1C, 1D |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 1, specifies the representative commodity(ies) for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 1 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 1A.** Root vegetables subgroup. | |
| Carrot, radish, and sugar beet. | Beet, garden; beet, sugar; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip. |
| **Crop Subgroup 1B.** Root vegetables (except sugar beet) subgroup. | |
| Carrot and radish. | Beet, garden; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip-rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip. |
| **Crop Subgroup 1C.** Tuberous and corm vegetables subgroup. | |
| Potato. | Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; yam, true. |
| **Crop Subgroup 1D.** Tuberous and corm vegetables (except potato) subgroup. | |
| Sweet potato. | Arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; sweet potato; tanier; turmeric; yam bean; yam, true. |

(2) *Crop Group 2*. Leaves of Root and Tuber Vegetables (Human Food or Animal Feed) Group (Human Food or Animal Feed) Group.

(i) *Representative commodities*. Turnip and garden beet or sugar beet.

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 2:

CROP GROUP 2: LEAVES OF ROOT AND TUBER VEGETABLES (HUMAN FOOD OR ANIMAL FEED) GROUP—COMMODITIES

Beet, garden (*Beta vulgaris*)
Beet, sugar (*Beta vulgaris*)
Burdock, edible (*Arctium lappa*)
Carrot (*Daucus carota*)
Cassava, bitter and sweet (*Manihot esculenta*)
Celeriac (celery root) (*Apium graveolens* var. *rapaceum*)
Chervil, turnip-rooted (*Chaerophyllum bulbosum*)
Chicory (*Cichorium intybus*)
Dasheen (taro) (*Colocasia esculenta*)
Parsnip (*Pastinaca sativa*)
Radish (*Raphanus sativus*)
Radish, oriental (daikon) (*Raphanus sativus* subvar. *longipinnatus*)
Rutabaga (*Brassica campestris* var. *napobrassica*)
Salsify, black (*Scorzonera hispanica*)
Sweet potato (*Ipomoea batatas*)
Tanier (cocoyam) (*Xanthosoma sagittifolium*)
Turnip (*Brassica rapa* var. *rapa*)
Yam, true (*Dioscorea* spp.)

(3) *Crop Group 3*. Bulb Vegetables (*Allium* spp.) Group.

(i) *Representative commodities*. Onion, green; and onion, dry bulb.

(ii) *Commodities*. The following is a list of all the commodities in Crop Group 3.

CROP GROUP 3: BULB VEGETABLE (*Allium* SPP.) GROUP—COMMODITIES

Garlic, bulb (*Allium sativum*)
Garlic, great headed, (elephant) (*Allium ampeloprasum* var. *ampeloprasum*)
Leek (*Allium ampeloprasum, A. porrum, A. tricoccum*)
Onion, dry bulb and green (*Allium cepa, A. fistulosum*)
Onion, Welsh, (*Allium fistulosum*)
Shallot (*Allium cepa* var. *cepa*)

(4) *Crop Group 3-07*. Bulb Vegetable Group.

(i) *Representative Commodities*. Onion, bulb and onion, green.

(ii) *Table*. The following Table 1 lists all the commodities listed in Crop Group 3-07 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 3-07: BULB VEGETABLE GROUP

| Commodities | Related crop subgroups |
|---|---|
| Chive, fresh leaves (*Allium schoenoprasum L.*) | 3-07B |
| Chive, Chinese, fresh leaves (*Allium tuberosum* Rottler ex Spreng) | 3-07B |
| Daylily, bulb (*Hemerocallis fulva* (L.) L. var. *fulva*) | 3-07A |
| Elegans hosta (*Hosta Sieboldiana (Hook.) Engl*) | 3-07B |
| Fritillaria, bulb (*Fritillaria L. fritillary*) | 3-07A |
| Fritillaria, leaves (*Fritillaria L. fritillary*) | 3-07B |
| Garlic, bulb (*Allium sativum* L. var. *sativum*) (*A. sativum* Common Garlic Group) | 3-07A |
| Garlic, great headed, bulb (*Allium ampeloprasum* L. var. *ampeloprasum*) (*A. ampeloprasum* Great Headed Garlic Group) | 3-07A |
| Garlic, Serpent, bulb (*Allium sativum* var. *ophioscorodon* or *A. sativum* Ophioscorodon Group) | 3-07A |
| Kurrat (*Allium kurrat Schweinf. Ex. K. Krause* or *A. ampeloprasum* Kurrat Group) | 3-07B |
| Lady's leek (*Allium cernuum* Roth) | 3-07B |
| Leek *Allium porrum* L. (syn: *A. ampeloprasum L.* var. *porrum* (L.) J. Gay) (*A.ampeloprasum* Leek Group) | 3-07B |
| Leek, wild (*Allium tricoccum* Aiton) | 3-07B |
| Lily, bulb (*Lilium* spp. (*Lilium Leichtlinii* var. *maximowiczii, Lilium lancifolium*)) | 3-07A |
| Onion, Beltsville bunching (*Allium* x *proliferum* (Moench) Schrad.) (syn: *Allium fistulosum* L. x *A. cepa* L.) | 3-07B |
| Onion, bulb (*Allium cepa* L. var. *cepa*) (*A. cepa* Common Onion Group) | 3-07A |
| Onion, Chinese, bulb (*Allium chinense* G. Don.) (syn: *A. bakeri* Regel) | 3-07A |
| Onion, fresh (*Allium fistulosum* L. var. *caespitosum* Makino) | 3-07B |
| Onion, green (*Allium cepa* L. var. *cepa*) (*A. cepa* Common Onion Group) | 3-07B |
| Onion, macrostem (*Allium macrostemom* Bunge) | 3-07B |
| Onion, pearl (*Allium porrum* var. *sectivum* or *A. ampeloprasum* Pearl Onion Group) | 3-07A |
| Onion, potato, bulb (*Allium cepa* L. var. *aggregatum* G. Don.) (*A. cepa* Aggregatum Group) | 3-07A |
| Onion, tree, tops (*Allium x proliferum* (Moench) Schrad. ex Willd.) (syn: *A. cepa* var. *proliferum* (Moench) Regel; *A. cepa* L. var. *bulbiferum* L.H. Bailey; *A. cepa* L. var. *viviparum* (Metz.) Alef.) | 3-07B |
| Onion, Welsh, tops (*Allium fistulosum* L.) | 3-07B |
| Shallot, bulb (*Allium cepa* var. *aggregatum* G. Don.) | 3-07A |
| Shallot, fresh leaves (*Allium cepa* var. *aggregatum* G. Don.) | 3-07B |
| Cultivars, varieties, and/or hybrids of these. | |

(iii) *Table*. The following Table 2 identifies the crop subgroups for Crop Group 3-07, specifies the representative commodities for each subgroup and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 3-07: SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop subgroup 3-07A**. Onion, bulb, subgroup.. Onion, bulb. | Daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these. |
| **Crop subgroup 3-07B**. Onion, green, subgroup.. Onion, green. | Chive, fresh leaves; chive, Chinese, fresh leaves; elegans hosta; fritillaria, leaves; kurrat; lady's leek; leek; leek, wild; Onion, Beltsville bunching; onion, fresh; onion, green; onion, macrostem; onion, tree, tops; onion, Welsh, tops; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these. |

(5) *Crop Group 4*. Leafy Vegetables (Except *Brassica* Vegetables) Group.

(i) *Representative commodities*. Celery, head lettuce, leaf lettuce, and spinach (*Spinacia oleracea*).

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 4 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 4: LEAFY VEGETABLES (EXCEPT BRASSICA VEGETABLES) GROUP

| Commodities | Related crop subgroups |
|---|---|
| Amaranth (leafy amaranth, Chinese spinach, tampala) (*Amaranthus* spp.) | 4A |
| Arugula (Roquette) (*Eruca sativa*) | 4A |
| Cardoon (*Cynara cardunculus*) | 4B |
| Celery (*Apium graveolens* var. *dulce*) | 4B |
| Celery, Chinese (*Apium graveolens* var. *secalinum*) | 4B |
| Celtuce (*Lactuca sativa* var. *angustana*) | 4B |
| Chervil (*Anthriscus cerefolium*) | 4A |
| Chrysanthemum, edible-leaved (*Chrysanthemum coronarium* var. *coronarium*) | 4A |
| Chrysanthemum, garland (*Chrysanthemum coronarium* var. *spatiosum*) | 4A |
| Corn salad (*Valerianella locusta*) | 4A |
| Cress, garden (*Lepidium sativum*) | 4A |
| Cress, upland (yellow rocket, winter cress) (*Barbarea vulgaris*) | 4A |
| Dandelion (*Taraxacum officinale*) | 4A |
| Dock (sorrel) (*Rumex* spp.) | 4A |
| Endive (escarole) (*Cichorium endivia*) | 4A |
| Fennel, Florence (finochio) (*Foeniculum vulgare* Azoricum Group) | 4B |
| Lettuce, head and leaf (*Lactuca sativa*) | 4A |
| Orach (*Atriplex hortensis*) | 4A |
| Parsley (*Petroselinum crispum*) | 4A |
| Purslane, garden (*Portulaca oleracea*) | 4A |
| Purslane, winter (*Montia perfoliata*) | 4A |
| Radicchio (red chicory) (*Cichorium intybus*) | 4A |
| Rhubarb (*Rheum rhabarbarum*) | 4B |
| Spinach (*Spinacia oleracea*) | 4A |
| Spinach, New Zealand (*Tetragonia tetragonioides, T. expansa*) | 4A |
| Spinach, vine (Malabar spinach, Indian spinach) (*Basella alba*) | 4A |
| Swiss chard (*Beta vulgaris* var. *cicla*) | 4B |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 4, specifies the representative commodities for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 4 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 4A.** Leafy greens subgroup. | |
| Head lettuce and leaf lettuce, and spinach (*Spinacia oleracea*). | Amaranth; arugula; chervil; chrysanthemum, edible-leaved; chrysanthemum, garland; corn salad; cress, garden; cress, upland; dandelion; dock; endive; lettuce; orach; parsley; purslane, garden; purslane, winter; radicchio (red chicory); spinach; spinach, New Zealand; spinach, vine. |
| **Crop Subgroup 4B.** Leaf petioles subgroup. | |
| Celery. | Cardoon; celery; celery, Chinese; celtuce; fennel, Florence; rhubarb; Swiss chard. |

(6) *Crop Group 5. Brassica* (Cole) Leafy Vegetables Group.

(i) *Representative commodities*. Broccoli or cauliflower; cabbage; and mustard greens.

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 5 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 5: *Brassica* (COLE) LEAFY VEGETABLES

| Commodities | Related crop subgroups |
|---|---|
| Broccoli (*Brassica oleracea* var. *botrytis*) | 5A |
| Broccoli, Chinese (gai lon) (*Brassica alboglabra*) | 5A |
| Broccoli raab (rapini) (*Brassica campestris*) | 5B |
| Brussels sprouts (*Brassica oleracea* var. *gemmifera*) | 5A |
| Cabbage (*Brassica oleracea*) | 5A |
| Cabbage, Chinese (bok choy) (*Brassica chinensis* ) | 5B |
| Cabbage, Chinese (napa) (*Brassica pekinensis*) | 5A |
| Cabbage, Chinese mustard (gai choy) (*Brassica campestris*) | 5A |

TABLE 1—CROP GROUP 5: *Brassica* (COLE) LEAFY VEGETABLES—Continued

| Commodities | Related crop subgroups |
|---|---|
| Cauliflower (*Brassica oleracea* var. *botrytis*) | 5A |
| Cavalo broccolo (*Brassica oleracea* var. *botrytis*) | 5A |
| Collards (*Brassica oleracea* var. *acephala*) | 5B |
| Kale (*Brassica oleracea* var. *acephala*) | 5B |
| Kohlrabi (*Brassica oleracea* var. *gongylodes*) | 5A |
| Mizuna (*Brassica rapa* Japonica Group) | 5B |
| Mustard greens (*Brassica juncea*) | 5B |
| Mustard spinach (*Brassica rapa* Perviridis Group) | 5B |
| Rape greens (*Brassica napus*) | 5B |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 5, specifies the representative commodity(ies) for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 5 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 5A.** Head and stem *Brassica* subgroup | |
| Broccoli or cauliflower; and cabbage | Broccoli; broccoli, Chinese; brussels sprouts; cabbage; cabbage, Chinese (napa); cabbage, Chinese mustard; cauliflower; cavalo broccolo; kohlrabi |
| **Crop Subgroup 5B.** Leafy *Brassica* greens subgroup. | |
| Mustard greens | Broccoli raab; cabbage, Chinese (bok choy); collards; kale; mizuna; mustard greens; mustard spinach; rape greens |

(7) *Crop Group 6*. Legume Vegetables (Succulent or Dried) Group.

(i) *Representative commodities*. Bean (*Phaseolus* spp.; one succulent cultivar and one dried cultivar); pea (*Pisum* spp.; one succulent cultivar and one dried cultivar); and soybean.

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 6 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 6: LEGUME VEGETABLES (SUCCULENT OR DRIED)

| Commodities | Related crop subgroups |
|---|---|
| Bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin) | 6C |
| Bean (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean) | 6A, 6B, 6C |
| Bean (*Vigna* spp.) (includes adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean) | 6A, 6B, 6C |
| Broad bean (fava bean) (*Vicia faba*) | 6B, 6C |
| Chickpea (garbanzo bean) (*Cicer arietinum*) | 6C |
| Guar (*Cyamopsis tetragonoloba*) | 6C |
| Jackbean (*Canavalia ensiformis*) | 6A |
| Lablab bean (hyacinth bean) (*Lablab purpureus*) | 6C |
| Lentil (*Lens esculenta*) | 6C |
| Pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, En glish pea, field pea, garden pea, green pea, snow pea, sugar snap pea) | 6A, 6B, 6C |
| Pigeon pea (*Cajanus cajan*) | 6A, 6B, 6C |
| Soybean (*Glycine max*) | N/A |
| Soybean (immature seed) (*Glycine max*) | 6A |
| Sword bean (*Canavalia gladiata*) | 6A |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 6, specifies the representative commodities for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 6 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 6A.** Edible-podded legume vegetables subgroup. | |
| Any one succulent cultivar of edible-podded bean (*Phaseolus* spp.) and any one succulent cultivar of edible-podded pea (*Pisum* spp.).. | Bean (*Phaseolus* spp.) (includes runner bean, snap bean, wax bean); bean (*Vigna* spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean); jackbean; pea (*Pisum* spp.) (includes dwarf pea, edible-pod pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed); sword bean. |
| **Crop Subgroup 6B.** Succulent shelled pea and bean subgroup. | |
| Any succulent shelled cultivar of bean (*Phaseolus* spp.) and garden pea (*Pisum* spp.).. | Bean (*Phaseolus* spp.) (includes lima bean (green)); broad bean (succulent); bean (*Vigna* spp.) (includes blackeyed pea, cowpea, southern pea); pea (*Pisum* spp.) (includes English pea, garden pea, green pea); pigeon pea. |
| **Crop Subgroup 6C.** Dried shelled pea and bean (except soybean) subgroup | |
| Any one dried cultivar of bean (*Phaseolus* spp.); and any one dried cultivar of pea (*Pisum* spp.). | Dried cultivars of bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean (*Vigna* spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (*Pisum* spp.) (includes field pea); pigeon pea. |

(8) *Crop Group 7*. Foliage of Legume Vegetables Group.

(i) *Representative commodities*. Any cultivar of bean (*Phaseolus* spp.), field pea (*Pisum* spp.), and soybean.

(ii) *Table*. The following table 1 lists the commodities included in Crop Group 7.

TABLE 1—CROP GROUP 7: FOLIAGE OF LEGUME VEGETABLES GROUP

| Representative commodities | Commodities |
|---|---|
| Any cultivar of bean (*Phaseolus* spp.) and field pea (*Pisum* spp.), and soybean ( *Glycine max*). | Plant parts of any legume vegetable included in the legume vegetables that will be used as animal feed. |

(iii) *Table*. The following table 2 identifies the crop subgroup for Crop Group 7 and specifies the representative commodities for the subgroup, and lists all the commodities included in the subgroup.

TABLE 2—CROP GROUP 7 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 7A.** Foliage of legume vegetables (except soybeans) subgroup | |
| Any cultivar of bean (*Phaseolus* spp.), and field pea (*Pisum* spp.). | Plant parts of any legume vegetable (except soybeans) included in the legume vegetables group that will be used as animal feed. |

(9) *Crop Group 8*. Fruiting Vegetables Group.

(i) *Representative commodities*. Tomato, bell pepper, and one cultivar of non-bell pepper.

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 8:

CROP GROUP 8: FRUITING VEGETABLES (EXCEPT CUCURBITS)—COMMODITIES

Eggplant (*Solanum melongena*)
Groundcherry (*Physalis* spp.)
Pepino (*Solanum muricatum*)
Pepper (*Capsicum* spp.) (includes bell pepper, chili pepper, cooking pepper, pimento, sweet pepper)
Tomatillo (*Physalis ixocarpa*)
Tomato (*Lycopersicon esculentum*)

(10) *Crop Group 8–10*. Fruiting Vegetable Group.

(i) *Representative commodities*. Tomato, standard size, and one cultivar of small tomato; bell pepper and one cultivar of small nonbell pepper.

(ii) *Commodities*. The following is a list of all commodities included in the Crop group 8–10.

TABLE 1—CROP GROUP 8–10: FRUITING VEGETABLE GROUP

| Commodities | Related crop subgroups |
|---|---|
| African eggplant, *Solanum macrocarpon* L | 8–10B, 8–10C |
| Bush tomato, *Solanum centrale* J.M. Black | 8–10A |
| Cocona, *Solanum sessiliflorum* Dunal | 8–10A |
| Currant tomato, *Lycopersicon pimpinellifolium* L | 8–10A |
| Eggplant, *Solanum melongena* L | 8–10B, 8–10C |
| Garden huckleberry, *Solanum scabrum* Mill | 8–10A |
| Goji berry, *Lycium barbarum* L | 8–10A |
| Groundcherry, *Physalis alkekengi* L., *P. grisea* (Waterf.) M. Martinez, *P. peruviana* L., *P. pubescens* L | 8–10A |
| Martynia, *Proboscidea louisianica* (Mill.) Thell | 8–10B, 8–10C |
| Naranjilla, *Solanum quitoense* Lam | 8–10A |
| Okra, *Abelmoschus esculentus* (L.) Moench | 8–10B, 8–10C |
| Pea eggplant, *Solanum torvum* Sw. | 8–10B, 8–10C |
| Pepino, *Solanum muricatum* Aiton | 8–10B, 8–10C |
| Pepper, bell, *Capsicum annuum* L. var. *annuum, Capsicum* spp | 8–10B |
| Pepper, nonbell, *Capsicum chinese* Jacq., *C. annuum* L. var. *annuum, C. frutescens* L., *C. baccatum* L., *C. pubescens* Ruiz & Pav., *Capsicum spp.* | 8–10B, 8–10C |
| Roselle, *Hibiscus sabdariffa* L | 8–10B, 8–10C |
| Scarlet eggplant, *Solanum aethiopicum* L | 8–10B, 8–10C |
| Sunberry, *Solanum retroflexum* Dunal | 8–10A |
| Tomatillo, *Physalis philadelphica* Lam | 8–10A |
| Tomato, *Solanum lycopersicum* L., *Solanum lycopersicum* L. var. *lycopersicum* | 8–10A |
| Tree tomato, *Solanum betaceum* Cav | 8–10A |
| Cultivars, varieties and/or hybrids of these | |

(iii) *Table*. The following Table 2 identifies the crop subgroups for Crop Group 8–10, specifies the representative commodities for each subgroup and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 8–10. SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| Crop subgroup 8–10A. Tomato subgroup | |
| Tomato, standard size, and one cultivar of small tomato | Bush tomato; cocona; currant tomato; garden huckleberry; goji berry; groundcherry; naranjilla; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these. |
| Crop subgroup 8–10B. Pepper/Eggplant subgroup | |
| Bell pepper and one cultivar of small nonbell pepper | African eggplant; bell pepper; eggplant; Martynia; nonbell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these. |
| Crop subgroup 8–10C. Nonbell pepper/Eggplant subgroup | |
| One cultivar of small nonbell pepper or one cultivar of small eggplant. | African eggplant; eggplant; martynia; nonbell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these. |

(11) *Crop Group 9*. Cucurbit Vegetables Group.

(i) *Representative commodities*. Cucumber, muskmelon, and summer squash.

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 9 and identifies the related subgroups.

TABLE 1—CROP GROUP 9: CUCURBIT VEGETABLES

| Commodities | Related crop subgroups |
|---|---|
| Chayote (fruit) (*Sechium edule*) | 9B |

TABLE 1—CROP GROUP 9: CUCURBIT VEGETABLES—Continued

| Commodities | Related crop subgroups |
|---|---|
| Chinese waxgourd (Chinese preserving melon) (*Benincasa hispida*) | 9B |
| Citron melon (*Citrullus lanatus* var. *citroides*) | 9A |
| Cucumber (*Cucumis sativus*) | 9B |
| Gherkin (*Cucumis anguria*) | 9B |
| Gourd, edible (*Lagenaria* spp.) (includes hyotan, cucuzza); (*Luffa acutangula, L. cylindrica*) (includes hechima, Chinese okra) | 9B |
| *Momordica* spp. (includes balsam apple, balsam pear, bitter melon, Chinese cucumber) | 9B |
| Muskmelon (hybrids and/or cultivars of *Cucumis melo*) (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon) | 9A |
| Pumpkin (*Cucurbita* spp.) | 9B |
| Squash, summer (*Cucurbita pepo* var. *melopepo*) (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini) | 9B |
| Squash, winter (*Cucurbita maxima; C. moschata*) (includes butternut squash, calabaza, hubbard squash); (*C. mixta; C. pepo*) (includes acorn squash, spaghetti squash) | 9B |
| Watermelon (includes hybrids and/or varieties of *Citrullus lanatus*) | 9A |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 9, specifies the representative commodities for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 9 SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 9A.** Melon subgroup | |
| Cantaloupes | Citron melon; muskmelon; watermelon |
| **Crop Subgroup 9B.** Squash/cucumber subgroup | |
| One cultivar of summer squash and cucumber. | Chayote (fruit); Chinese waxgourd; cucumber; gherkin; gourd, edible; *Momordica* spp.; pumpkin; squash, summer; squash, winter. |

(12) *Crop Group 10*. Citrus Fruit Group.

(i) *Representative commodities*. Sweet orange; lemon and grapefruit.

(ii) *Commodities*. The following is a list of all the commodities in Crop Group 10:

CROP GROUP 10: CITRUS FRUITS (CITRUS SPP., FORTUNELLA SPP.) GROUP—COMMODITIES

Calamondin (*Citrus mitis×Citrofortunella mitis*)
Citrus citron (*Citrus medica*)
Citrus hybrids (*Citrus* spp.) (includes chironja, tangelo, tangor)
Grapefruit (*Citrus paradisi*)
Kumquat (*Fortunella* spp.)
Lemon (*Citrus jambhiri*, *Citrus limon*)
Lime (*Citrus aurantiifolia*)
Mandarin (tangerine) (*Citrus reticulata*)
Orange, sour (*Citrus aurantium*)
Orange, sweet (*Citrus sinensis*)
Pummelo (*Citrus grandis*, *Citrus maxima*)
Satsuma mandarin (*Citrus unshiu*)

(13) *Crop Group 10–10*. Citrus Fruit Group.

(i) *Representative commodities*. Orange or Tangerine/Mandarin, Lemon or Lime, and Grapefruit.

(ii) *Commodities*. The following is a list of all the commodities in Crop Group 10–10.

TABLE 1—CROP GROUP 10–10: CITRUS FRUIT GROUP

| Commodities | Related crop subgroups |
|---|---|
| Australian desert lime, *Eremocitrus glauca* (Lindl.) Swingle | 10–10B |
| Australian finger lime, *Microcitrus australasica* (F. Muell.) Swingle | 10–10B |
| Australian round lime, *Microcitrus australis* (A. Cunn. Ex Mudie) Swingle | 10–10B |
| Brown River finger lime, *Microcitrus papuana* Winters | 10–10B |
| Calamondin, *Citrofortunella microcarpa* (Bunge) Wijnands | 10–10A |
| Citron, *Citrus medica* L | 10–10A |
| Citrus hybrids, *Citrus spp. Eremocitrus* spp., *Fortunella* spp., *Microcitrus* spp., and *Poncirus* spp | 10–10A |
| Grapefruit, *Citrus paradisi* Macfad | 10–10C |

TABLE 1—CROP GROUP 10–10: CITRUS FRUIT GROUP—Continued

| Commodities | Related crop subgroups |
|---|---|
| Japanese summer grapefruit, *Citrus natsudaidai* Hayata | 10–10C |
| Kumquat, *Fortunella* spp | 10–10B |
| Lemon, *Citrus limon* (L.) Burm. f | 10–10B |
| Lime, *Citrus aurantiifolia* (Christm.) Swingle | 10–10B |
| Mediterranean mandarin, *Citrus deliciosa* Ten | 10–10A |
| Mount White lime, *Microcitrus garrowayae* (F.M. Bailey) Swingle | 10–10B |
| New Guinea wild lime, *Microcitrus warburgiana* (F.M. Bailey) Tanaka | 10–10B |
| Orange, sour, *Citrus aurantium* L | 10–10A |
| Orange, sweet, *Citrus sinensis* (L.) Osbeck | 10–10A |
| Pummelo, *Citrus maxima* (Burm.) Merr | 10–10C |
| Russell River lime, *Microcitrus inodora* (F.M. Bailey) Swingle | 10–10B |
| Satsuma mandarin, *Citrus unshiu* Marcow | 10–10A |
| Sweet lime, *Citrus limetta* Risso | 10–10B |
| Tachibana orange, *Citrus tachibana* (Makino) Tanaka | 10–10A |
| Tahiti lime, *Citrus latifolia* (Yu. Tanaka) Tanaka | 10–10B |
| Tangelo, *Citrus x tangelo* J.W. Ingram & H.E. Moore | 10–10A, 10–10C |
| Tangerine (Mandarin), *Citrus reticulata* Blanco | 10–10A |
| Tangor, *Citrus nobilis* Lour | 10–10A |
| Trifoliate orange, *Poncirus trifoliata* (L.) Raf | 10–10A |
| Uniq fruit, *Citrus aurantium* Tangelo group | 10–10C |
| Cultivars, varieties and/or hybrids of these. | |

(iii) *Table*. The following Table 2 identifies the crop subgroups for Crop Group 10–10, specifies the representative commodities for each subgroup and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 10–10: SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| Crop Subgroup 10–10A. Orange subgroup | |
| Orange or tangerine/mandarin | Calamondin; citron; citrus hybrids; mediterranean mandarin; orange, sour; orange, sweet; satsuma mandarin; tachibana orange; tangerine (mandarin); tangelo; tangor; trifoliate orange; cultivars, varieties, and/or hybrids of these. |
| Crop Subgroup 10–10B. Lemon/Lime subgroup | |
| Lemon or lime | Australian desert lime; Australian finger lime; Australian round lime; brown river finger lime; kumquat; lemon; lime; mount white lime; New Guinea wild lime; Russell River lime; sweet lime; Tahiti lime; cultivars , varieties, and/or hybrids of these. |
| Crop Subgroup 10–10C. Grapefruit subgroup | |
| Grapefruit | Grapefruit; Japanese summer grapefruit; pummelo; tangelo; uniq fruit; cultivars, varieties, and/or hybrids of these. |

(14) *Crop Group 11:* Pome Fruits Group.

(i) *Representative commodities*. Apple and pear.

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 11:

CROP GROUP 11: POME FRUITS GROUP—COMMODITIES

Apple (*Malus domestica*)
Crabapple (*Malus* spp.)
Loquat (*Eriobotrya japonica*)
Mayhaw (*Crataegus aestivalis*, *C. opaca*, and *C. rufula*)
Pear (*Pyrus communis*)
Pear, oriental (*Pyrus pyrifolia*)
Quince (*Cydonia oblonga*)

(15) *Crop group 11–10*. Pome Fruit Group.

(i) *Representative commodities*. Apple and Pear

(ii) *Commodities*. The following is a list of all the commodities in Crop Group 11–10.

CROP GROUP 11–10: POME FRUIT GROUP—COMMODITIES

Apple, *Malus domestica* Borkh.
Azarole, *Crataegus azarolus* L.
Crabapple, *Malus sylvestris* (L.) Mill., *M. prunifolia* (Willd.) Borkh.
Loquat, *Eriobotrya japonica* (Thunb.) Lindl.

Mayhaw, *Crataegus aestivalis* (Walter) Torr. & A. Gray, C. *opaca*
Hook. & Arn., and *C. rufula* Sarg.
Medlar, *Mespilus germanica* L.
Pear, *Pyrus communis* L.
Pear, Asian, *Pyrus pyrifolia* (Burm. f.) Nakai var. *culta* (Makino) Nakai
*Pseudocydonia sinensis* (Thouin) C.K. Schneid.
Quince, *Cydonia oblonga* Mill.
Quince, Chinese, *Chaenomeles speciosa* (Sweet) Nakai,
Quince, Japanese, *Chaenomeles japonica* (Thunb.) Lindl. ex Spach
Tejocote, *Crataegus mexicana* DC.
Cultivars, varieties and/or hybrids of these.

(16) *Crop Group 12*. Stone Fruits Group.

(i) *Representative commodities*. Sweet cherry or tart cherry; peach; and plum or fresh prune (*Prunus domestica*, *Prunus* spp.)

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 12:

CROP GROUP 12: STONE FRUITS GROUP—COMMODITIES

Apricot (*Prunus armeniaca*)
Cherry, sweet (*Prunus avium*),
Cherry, tart (*Prunus cerasus*)
Nectarine (*Prunus persica*)
Peach (*Prunus persica*)
Plum (*Prunus domestica*, *Prunus* spp.)
Plum, Chickasaw (*Prunus angustifolia*)
Plum, Damson (*Prunus domestica* spp. *insititia*)
Plum, Japanese (*Prunus salicina*)
Plumcot (*Prunus. armeniaca*×*P. domestica*)
Prune (fresh) (*Prunus domestica*, *Prunus* spp.)

(17) *Crop Group 13*. Berries Group.

(i) *Representative commodities*. Any one blackberry or any one raspberry; and blueberry.

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 13 and identifies the related subgroups.

TABLE 1—CROP GROUP 13: BERRIES GROUP

| Commodities | Related crop subgroups |
|---|---|
| Blackberry (*Rubus eubatus*) (including bingleberry, black satin berry, boysenberry, Cherokee blackberry, Chesterberry, Cheyenne blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, Himalayaberry, hullberry, Lavacaberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, nectarberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, youngberry, and varieties and/or hybrids of these) | 13A |
| Blueberry (*Vaccinium* spp.) | 13B |
| Currant (*Ribes* spp.) | 13B |
| Elderberry (*Sambucus* spp.) | 13B |
| Gooseberry (*Ribes* spp.) | 13B |
| Huckleberry (*Gaylussacia* spp.) | 13B |
| Loganberry (*Rubus loganobaccus*) | 13A |
| Raspberry, black and red (*Rubus occidentalis, Rubus strigosus, Rubus idaeus*) | 13A |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 13, specifies the representative commodities for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 13 SUBGROUPS LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 13A.** Caneberry (blackberry and raspberry) subgroup. | |
| Any one blackberry or any one raspberry. | Blackberry; loganberry; red and black raspberry; cultivars and/or hybrids of these. |
| **Crop Subgroup 13B.** Bushberry subgroup.. | |
| Blueberry, highbush. | Blueberry, highbush and lowbush; currant; elderberry; gooseberry; huckleberry. |

(18) *Crop Group 13-07*. Berry and Small Fruit Crop Group

(i) *Representative commodities*. Any one blackberry or any one raspberry; highbush blueberry; elderberry or mulberry; grape; fuzzy kiwifruit, and strawberry.

(ii) *Table*. The following Table 1 lists all the commodities listed in Crop Group 13-07 and identifies the related crop subgroups.

TABLE 1—CROP GROUP 13-07: BERRY AND SMALL FRUIT CROP GROUP

| Commodities | Related crop subgroups |
|---|---|
| Amur river grape (*Vitis amurensis Rupr*) | 13-07D, 13-07E, 13-07F |
| Aronia berry (*Aronia* spp.) | 13-07B |
| Bayberry (*Myrica* spp.) | 13-07C |
| Bearberry (*Arctostaphylos uva-ursi*) | 13-07G, 13-07H |
| Bilberry (*Vaccinium myrtillus L.)* | 13-07G, 13-07H |
| Blackberry (*Rubus* spp.) (including Andean blackberry, arctic blackberry, bingleberry, black satin berry, boysenberry, brombeere, California blackberry, Chesterberry, Cherokee blackberry, Cheyenne blackberry, common blackberry, coryberry, darrowberry, dewberry, Dirksen thornless berry, evergreen blackberry, Himalayaberry, hullberry, lavacaberry, loganberry, lowberry, Lucretiaberry, mammoth blackberry, marionberry, mora, mures deronce, nectarberry, Northern dewberry, olallieberry, Oregon evergreen berry, phenomenalberry, rangeberry, ravenberry, rossberry, Shawnee blackberry, Southern dewberry, tayberry, youngberry, zarzamora, and cultivars, varieties and/or hybrids of these.) | 13-07A |
| Blueberry, highbush (*Vaccinium* spp.) | 13-07B |
| Blueberry, lowbush (*Vaccinium angustifolium* Aiton) | 13-07B |
| Buffalo currant (*Ribes aureum* Pursh) | 13-07B |
| Buffaloberry (*Shepherdia argentea* (Pursh) Nutt.) | 13-07C |
| Che (*Cudrania tricuspidata* Bur. Ex Lavallee) | 13-07C |
| Chilean guava (*Myrtus ugni* Mol.) | 13-07B |
| Chokecherry (*Prunus virginiana* L.) | 13-07C |
| Cloudberry (*Rubus chamaemorus* L.) | 13-07G, 13-07H |
| Cranberry (*Vaccinium macrocarpon* Aiton) | 13-07G, 13-07H |
| Currant, black (*Ribes nigrum* L.) | 13-07B |
| Currant, red (*Ribes rubrum* L.) | 13-07B |
| Elderberry (*Sambucus* spp.) | 13-07B, 13-07C |
| European barberry (*Berberis vulgaris* L.) | 13-07B |
| Gooseberry (*Ribes* spp.) | 13-07B, 13-07D, 13-07E, 13-07F |
| Grape (Vitis spp.) | 13-07D, 13-07F |
| Highbush cranberry (*Viburnum opulus* L. var. *Americanum* Aiton) | 13-07B |
| Honeysuckle, edible (*Lonicera caerula L.* var. *emphyllocalyx* Nakai, *Lonicera caerula L* var . *edulis Turcz. ex herder*) | 13-07B |
| Huckleberry (*Gaylussacia* spp.) | 13-07B |
| Jostaberry (*Ribes x nidigrolaria* Rud. Bauer and A. Bauer) | 13-07B |
| Juneberry (Saskatoon berry) (*Amelanchier* spp.) | 13-07B, 13-07C |
| Kiwifruit, fuzzy (*Actinidia deliciosa* A. Chev.) (C.F. Liang and A.R. Fergusons, *Actinida chinensis* Planch.) | 13-07D, 13-07E |
| Kiwifruit, hardy (*Actinidia arguta* (Siebold and Zucc.) Planch. ex Miq) | 13-07D, 13-07E, 13-07F |
| Lingonberry (*Vaccinium vitis-idaea* L.) | 13-07B, 13-07G 13-07H |
| Maypop (*Passiflora incarnata* L.) | 13-07E, 13-07F |
| Mountain pepper berries (*Tasmannia lanceolata*)(Poir.) A.C.Sm. | 13-07C |
| Mulberry (*Morus* spp.) | 13-07C |
| Muntries (*Kunzea pomifera* F. Muell.) | 13-07G, 13-07H |
| Native currant (*Acrotriche depressa* R. BR.) | 13-07B |
| Partridgeberry (*Mitchella repens* L.) | 13-07G, 13-07H |
| Phalsa (*Grewia subinaequalis* DC.) | 13-07C |
| Pincherry (*Prunus pensylvanica* L.f.) | 13-07C |
| Raspberry, black and red (*Rubus* spp.) | 13-07A |
| Riberry (*Syzygium luehmannii*) | 13-07C |
| Salal (*Gaultheria shallon* Pursh.) | 13-07B, 13-07C |
| Schisandra berry (Schisandra chinensis (Turcz.) Baill.) | 13-07D, 13-07E, 13-07F |
| Sea buckthorn (*Hippophae rhamnoides* L.) | 13-07B |
| Serviceberry (*Sorbus* spp.) | 13-07C |
| Strawberry (*Fragaria x ananassa* Duchesne) | 13-07G |
| Wild raspberry (*Rubus muelleri* Lefevre ex P.J. Mull) | 13-07A |
| Cultivars, varieties, and/or hybrids of these. | |

(iii) *Table*. The following Table 2 identifies the crop subgroups for Crop Group 13-07, specifies the representative commodities for each subgroup and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 13-07: SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 13-07A.** Caneberry subgroup. Any one blackberry or any one raspberry.. | Blackberry; loganberry; raspberry, red and black; wild raspberry; cultivars, varieties, and/or hybrids of these. |

TABLE 2—CROP GROUP 13-07: SUBGROUP LISTING—Continued

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 13-07B.** Bushberry subgroup.. | |
| Blueberry, highbush. | Aronia berry; blueberry, highbush; blueberry, lowbush; buffalo currant; Chilean guava; currant, black; currant, red; elderberry; European, barberry; gooseberry; cranberry, highbush; honeysuckle, edible; huckleberry; jostaberry; Juneberry; lingonberry; native currant; salal; sea buckthorn; cultivars, varieties, and/or hybrids of these. |
| **Crop Subgroup 13-07C.** Large shrub/tree berry subgroup.. | |
| Elderberry or mulberry. | Bayberry; buffaloberry; che; chokecherry; elderberry; Juneberry; mountain pepper berries; mulberry; phalsa; pincherry; riberry; salal; serviceberry; cultivars, varieties, and/or hybrids of these. |
| **Crop Subgroup 13-07D.** Small fruit vine climbing subgroup.. | |
| Grape and fuzzy kiwifruit. | Amur river grape; gooseberry; grape; kiwifruit, fuzzy; kiwifruit, hardy; Maypop; schisandra berry; cultivars, varieties, and /or hybrids of these. |
| **Crop Subgroup 13-07E.** Small fruit vine climbing subgroup, except grape.. | |
| Fuzzy kiwifruit. | Amur river grape; gooseberry; kiwifruit, fuzzy; kiwifruit, hardy; Maypop; schisandra berry; cultivars, varieties, and/or hybrids of these. |
| **Crop Subgroup 13-07F.** Small fruit vine climbing subgroup except fuzzy kiwifruit.. | |
| Grape. | Amur river grape; gooseberry; grape; kiwifruit, hardy; Maypop; schisandra berry; cultivars varieties, and/or hybrids of these. |
| **Crop Subgroup 13-07G.** Low growing berry subgroup.. | |
| Strawberry. | Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these. |
| **Crop Subgroup 13-07H.** Low growing berry subgroup, except strawberry.. | |
| Cranberry | Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; cultivars, varieties, and/or cultivars of these. |

(19) *Crop Group 14*. Tree Nuts Group.

(i) *Representative commodities*. Almond and pecan.

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 14:

CROP GROUP 14: TREE NUTS—COMMODITIES

Almond (*Prunus dulcis*)
Beech nut (*Fagus* spp.)
Brazil nut (*Bertholletia excelsa*)
Butternut (*Juglans cinerea*)
Cashew (*Anacardium occidentale*)
Chestnut (*Castanea* spp.)
Chinquapin (*Castanea pumila*)
Filbert (hazelnut) (*Corylus* spp.)
Hickory nut (*Carya* spp.)
Macadamia nut (bush nut) (*Macadamia* spp.)
Pecan (*Carya illinoensis*)
Walnut, black and English (Persian) (*Juglans* spp.)

(20) *Crop Group 15*. Cereal Grains Group.

(i) *Representative commodities*. Corn (fresh sweet corn and dried field corn), rice, sorghum, and wheat.

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 15:

CROP GROUP 15: CEREAL GRAINS—COMMODITIES

Barley (*Hordeum* spp.)
Buckwheat (*Fagopyrum esculentum*)
Corn (*Zea mays*)
Millet, pearl (*Pennisetum glaucum*)
Millet, proso (*Panicum milliaceum*)
Oats (*Avena* spp.)
Popcorn (*Zea mays* var. *everta*)
Rice (*Oryza sativa*)
Rye (*Secale cereale*)
Sorghum (milo) (*Sorghum* spp.)
Teosinte (*Euchlaena mexicana*)
Triticale (*Triticum-Secale* hybrids)
Wheat (*Triticum* spp.)
Wild rice (*Zizania aquatica*)

(21) *Crop Group 16*. Forage, Fodder and Straw of Cereal Grains Group.

(i) *Representative commodities*. Corn, wheat, and any other cereal grain crop.

(ii) *Commodities*. The commodities included in Crop Group 16 are: Forage, fodder, and straw of all commodities included in the group cereal grains group.

(22) *Crop Group 17*. Grass Forage, Fodder, and Hay Group.

(i) *Representative commodities*. Bermuda grass; bluegrass; and bromegrass or fescue.

(ii) *Commodities*. The commodities included in Crop Group 17 are: Any grass, *Gramineae* family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage.

(23) *Crop Group 18*. Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay) Group.

(i) *Representative commodities*. Alfalfa and clover (*Trifolium* spp.)

(ii) *Commodities*. The following is a list of all the commodities included in Crop Group 18:

CROP GROUP 18: NONGRASS ANIMAL FEEDS (FORAGE, FODDER, STRAW, AND HAY) GROUP—COMMODITIES

Alfalfa (*Medicago sativa* subsp. *sativa*)
Bean, velvet (*Mucuna pruriens* var. *utilis*)
Clover (*Trifolium* spp., *Melilotus* spp.)
Kudzu (*Pueraria lobata*)
Lespedeza (*Lespedeza* spp.)
Lupin (*Lupinus* spp.)
Sainfoin (*Onobrychis viciifolia*);
Trefoil (*Lotus* spp.)
Vetch (*Vicia* spp.)
Vetch, crown (*Coronilla varia*)
Vetch, milk (*Astragalus* spp).

(24) *Crop Group 19*. Herbs and Spices Group.

(i) *Representative commodities*. Basil (fresh and dried); black pepper; chive; and celery seed or dill seed.

(ii) *Table*. The following table 1 lists all the commodities included in Crop Group 19 and identifies the related subgroups.

TABLE 1—CROP GROUP 19: HERBS AND SPICES GROUP

| Commodities | Related crop subgroups |
|---|---|
| Allspice (*Pimenta dioica*) | 19B |
| Angelica (*Angelica archangelica*) | 19A |
| Anise (anise seed) (*Pimpinella anisum*) | 19B |
| Anise, star (*Illicium verum*) | 19B |
| Annatto (seed) | 19B |
| Balm (lemon balm) (*Melissa officinalis*) | 19A |
| Basil (*Ocimum basilicum*) | 19A |
| Borage (*Borago officinalis*) | 19A |
| Burnet (*Sanguisorba minor*) | 19A |
| Camomile (*Anthemis nobilis*) | 19A |
| Caper buds (*Capparis spinosa*) | 19B |
| Caraway (*Carum carvi*) | 19B |
| Caraway, black (*Nigella sativa*) | 19B |

TABLE 1—CROP GROUP 19: HERBS AND SPICES GROUP—Continued

| Commodities | Related crop subgroups |
|---|---|
| Cardamom (*Elettaria cardamomum*) | 19B |
| Cassia bark (*Cinnamomum aromaticum*) | 19B |
| Cassia buds (*Cinnamomum aromaticum*) | 19B |
| Catnip (*Nepeta cataria*) | 19A |
| Celery seed (*Apicum graveolens*) | 19B |
| Chervil (dried) (*Anthriscus cerefolium*) | 19A |
| Chive (*Allium schoenoprasum*) | 19A |
| Chive, Chinese (*Allium tuberosum*) | 19A |
| Cinnamon (*Cinnamomum verum*) | 19B |
| Clary (*Salvia sclarea*) | 19A |
| Clove buds (*Eugenia caryophyllata*) | 19B |
| Coriander (cilantro or Chinese parsley) (leaf) (*Coriandrum sativum*) | 19A |
| Coriander (cilantro) (seed) (*Coriandrum sativum*) | 19B |
| Costmary (*Chrysanthemum balsamita*) | 19A |
| Culantro (leaf) (*Eryngium foetidum*) | 19A |
| Culantro (seed) (*Eryngium foetidum*) | 19B |
| Cumin (*Cuminum cyminum*) | 19B |
| Curry (leaf) (*Murraya koenigii*) | 19A |
| Dill (dillweed) (*Anethum graveolens*) | 19A |
| Dill (seed) (*Anethum graveolens*) | 19B |
| Fennel (common) (*Foeniculum vulgare*) | 19B |
| Fennel, Florence (seed) (*Foeniculum vulgare* Azoricum Group) | 19B |
| Fenugreek (*Trigonella foenumgraecum*) | 19B |
| Grains of paradise (*Aframomum melegueta*) | 19B |
| Horehound (*Marrubium vulgare*) | 19A |
| Hyssop (*Hyssopus officinalis*) | 19A |
| Juniper berry (*Juniperus communis*) | 19B |
| Lavender (*Lavandula officinalis*) | 19A |
| Lemongrass (*Cymbopogon citratus*) | 19A |
| Lovage (leaf) (*Levisticum officinale*) | 19A |
| Lovage (seed) (*Levisticum officinale*) | 19B |
| Mace (*Myristica fragrans*) | 19B |
| Marigold (*Calendula officinalis*) | 19A |
| Marjoram (*Origanum spp.*) (includes sweet or annual marjoram, wild marjoram or oregano, and pot marjoram) | 19A |
| Mustard (seed) (*Brassica* juncea, *B.* hirta, *B.* nigra) | 19B |
| Nasturtium (*Tropaeolum majus*) | 19A |
| Nutmeg (*Myristica fragrans*) | 19B |
| Parsley (dried) (*Petroselinum crispum*) | 19A |
| Pennyroyal (*Mentha pulegium*) | 19A |
| Pepper, black (*Piper nigrum*) | 19B |
| Pepper, white | 19B |
| Poppy (seed) (*Papaver somniferum* ) | 19B |
| Rosemary (*Rosemarinus officinalis*) | 19A |
| Rue (*Ruta graveolens*) | 19A |
| Saffron (*Crocus sativus*) | 19B |
| Sage (*Salvia officinalis*) | 19A |
| Savory, summer and winter (*Satureja spp.*) | 19A |
| Sweet bay (bay leaf) (*Laurus nobilis*) | 19A |
| Tansy (*Tanacetum vulgare*) | 19A |
| Tarragon (*Artemisia dracunculus*) | 19A |
| Thyme (*Thymus spp.*) | 19A |
| Vanilla (*Vanilla planifolia*) | 19B |
| Wintergreen (*Gaultheria procumbens*) | 19A |
| Woodruff (*Galium odorata*) | 19A |
| Wormwood (*Artemisia absinthium*) | 19A |

(iii) *Table*. The following table 2 identifies the crop subgroups for Crop Group 19, specifies the representative commodities for each subgroup, and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 19 SUBGROUPS

| Representative commodities | Commodities |
|---|---|
| **Crop Subgroup 19A.** Herb subgroup. | |
| Basil (fresh and dried) and chive. | Angelica; balm; basil; borage; burnet; camomile; catnip; chervil (dried); chive; chive, Chinese, clary; coriander (leaf); costmary; culantro (leaf); curry (leaf); dillweed; horehound; hyssop; lavender; lemongrass; lovage (leaf); marigold; marjoram (*Origanum* spp.); nasturtium; parsley (dried); pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood. |
| **Crop Subgroup 19B.** Spice subgroup. | |
| Black pepper; and celery seed or dill seed. | Allspice; anise (seed); anise, star; annatto (seed); caper (buds); caraway; caraway, black; cardamom; cassia (buds); celery (seed); cinnamon; clove (buds); coriander (seed); culantro (seed); cumin; dill (seed); fennel, common; fennel, Florence (seed); fenugreek; grains of paradise; juniper (berry); lovage (seed); mace; mustard (seed); nutmeg; pepper, black; pepper, white; poppy (seed); saffron; and vanilla. |

(25) *Crop Group 20*. Oilseed Group.

(i) *Representative commodities*. Rapeseed (canola varieties only); sunflower, seed and cottonseed.

(ii) *Table*. The following Table 1 lists all the commodities listed in Crop Group 20 and identifies the related crop subgroups and includes cultivars and/or varieties of these commodities.

TABLE 1—CROP GROUP 20: OILSEED GROUP

| Commodities | Related crop subgroups |
|---|---|
| Borage, *Borago officinalis* L | 20A |
| Calendula, *Calendula officinalis* L | 20B |
| Castor oil plant, *Ricinus communis* L | 20B |
| Chinese tallowtree, *Triadica sebifera* (L.) Small | 20B |
| Cottonseed, *Gossypium hirsutum* L. *Gossypium* spp | 20C |
| Crambe, *Crambe hispanica* L.; *C. abyssinica* Hochst. ex R.E. Fr | 20A |
| Cuphea, *Cuphea hyssopifolia* Kunth | 20A |
| Echium, *Echium plantagineum* L | 20A |
| Euphorbia, *Euphorbia esula* L | 20B |
| Evening primrose, *Oenothera biennis* L | 20B |
| Flax seed, *Linum usitatissimum* L | 20A |
| Gold of pleasure, *Camelina sativa* (L.) Crantz | 20A |
| Hare's ear mustard, *Conringia orientalis* (L.) Dumort | 20A |
| Jojoba, *Simmondsia chinensis* (Link) C.K. Schneid | 20B |
| Lesquerella, *Lesquerella recurvata* (Engelm. ex A. Gray) S. Watson | 20A |
| Lunaria, *Lunaria annua* L | 20A |
| Meadowfoam, *Limnanthes alba* Hartw. ex Benth | 20A |
| Milkweed, *Asclepias* spp | 20A |
| Mustard seed, *Brassica hirta* Moench, *Sinapis alba* L. subsp. *Alba*.. | 20A |
| Niger seed, *Guizotia abyssinica* (L.f.) Cass | 20B |
| Oil radish, *Raphanus sativus* L. var. *oleiformis* Pers | 20A |
| Poppy seed, *Papaver somniferum* L. subsp. *Somniferum* | 20A |
| Rapeseed, *Brassica* spp.; *B. napus* L | 20A |
| Rose hip, *Rosa rubiginosa* L | 20B |
| Safflower, *Carthamus tinctorious* L | 20B |
| Sesame, *Sesamum indicum* L., *S. radiatum* Schumach. & honn | 20A |
| Stokes aster, *Stokesia laevis* (Hill) Greene | 20B |
| Sunflower, *Helianthus annuus* L | 20B |
| Sweet rocket, *Hesperis matronalis* L | 20A |
| Tallowwood, *Ximenia americana* L | 20B |
| Tea oil plant, *Camellia oleifera* C. Abel | 20B |
| Vernonia, *Vernonia galamensis* (Cass.) Less | 20B |
| Cultivars, varieties, and/or hybrids of these. | |

(iii) *Table*. The following Table 2 identifies the crop subgroups for Crop Group 20, specifies the representative commodities for each subgroup and lists all the commodities included in each subgroup.

TABLE 2—CROP GROUP 20: SUBGROUP LISTING

| Representative commodities | Commodities |
|---|---|
| Crop subgroup 20A. Rapeseed subgroup | |
| Rapeseed, canola varieties only | Borage; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed; sesame; sweet rocket cultivars, varieties, and/or hybrids of these. |
| Crop subgroup 20B. Sunflower subgroup | |
| Sunflower, seed | Calendula; castor oil plant; chinese tallowtree; euphorbia; evening primrose; jojoba; niger seed; rose hip; safflower; stokes aster; sunflower; tallowwood; tea oil plant; vernonia; cultivars, varieties, and/or hybrids of these. |
| Crop subgroup 20C. Cottonseed subgroup | |
| Cottonseed | Cottonseed; cultivars, varieties, and/or hybrids of these. |

(26) *Crop Group 21*. Edible fungi Group.

(i) *Representative commodities*. White button mushroom and any one oyster mushroom or any Shiitake mushroom.

(ii) *Table*. The following is a list of all the commodities in Crop Group 21. There are no related subgroups.

CROP GROUP 21—EDIBLE FUNGI GROUP—COMMODITIES

Blewitt (*Lepista nuda*)
Bunashimeji (*Hypsizygus marrmoreus*)
Chinese mushroom (*Volvariella volvacea*) (Bull.) Singer
Enoki (*Flammulina velutipes*) (Curt.) Singer
Hime-Matsutake (*Agaricus blazei*) Murill
Hirmeola (*Auricularia auricular*)
Maitake (*Grifola frondosa*)
Morel (*Morchella spp.*)
Nameko (*Pholiota nameko*)
Net Bearing (*Dictyophora*)
Oyster mushroom (*Pleurotus spp.*)
Pom Pom (*Hericium erinaceus*)
Reishi mushroom (*Ganoderma lucidum* (Leyss. Fr.) Karst.)
Rodman's agaricus (*Agaricus bitorquis*) (Quel.) Saccardo
Shiitake mushroom (*Lentinula edodes* (Berk.) Pegl.)
Shimeji (*Tricholoma conglobatum*)
Stropharia (*Stropharia spp.*)
Truffle (*Tuber spp.*)
White button mushroom (*Agaricus bisporous* (Lange) Imbach)
White Jelly Fungi (*Tremella fuciformis*)

[60 FR 26635, May 17, 1995, as amended at 72 FR 69156, 69157, Dec. 7, 2007; 73 FR 52, Jan. 2, 2008; 75 FR 76289, Dec. 8, 2010]

## Subpart C—Specific Tolerances

EDITORIAL NOTE: Nomenclature changes to subpart C appear at 67 FR 41803–41808, June 19, 2002; 67 FR 42393–42397, June 21, 2002; 68 FR 39430–39435, July 1, 2003; 71 FR 74804–74812, Dec. 13, 2006; 72 FR 53137–53151, Sept. 18, 2007; 72 FR 61536, Oct. 31, 2007; 73 FR 60155–60157, Oct. 10, 2008; 75 FR 56014, Sept. 15, 2010; and 76 FR 34885, June 15, 2011.

### § 180.101 Specific tolerances; general provisions.

(a) The tolerances established for pesticide chemicals in this subpart C apply to residues resulting from their application prior to harvest or slaughter, unless otherwise stated. Tolerances are expressed in terms of parts by weight of the pesticide chemical per one million parts by weight of the raw agricultural commodity.

(b) The poisonous and deleterious substances for which tolerances are established by the regulations in this subpart C are named by their common names wherever practicable, otherwise by their chemical names.

(c) The analytical methods to be used for determining whether pesticide residues, including negligible residues, in or on raw agricultural commodities are in compliance with the tolerances established in this part 180 are identified among the methods contained or referenced in the Food and Drug Administration's ''Pesticide Analytical Manual'' which is available from the Food and Drug Administration, Department of Health, Education, and Welfare, 200 C Street SW., Washington, DC 20204.

### § 180.103 Captan; tolerances for residues.

(a)(1) *General*. Tolerances are established for residues of the fungicide, captan (N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.25 |
| Almond, hulls | 75.0 |

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.05 |
| Apple | 25.0 |
| Apricot | 10.0 |
| Blueberry | 20.0 |
| Caneberry, subgroup 13A | 25.0 |
| Cherry, sweet | 50.0 |
| Cherry, tart | 50.0 |
| Cotton, undelinted seed | 0.05 |
| Dill, seed | 0.05 |
| Flax, seed | 0.05 |
| Grape | 25.0 |
| Grain, cereal, forage, fodder and straw, group 16 | 0.05 |
| Grain, cereal, group 15 | 0.05 |
| Grass, forage | 0.05 |
| Grass, hay | 0.05 |
| Nectarine | 25.0 |
| Okra | 0.05 |
| Peach | 15.0 |
| Peanut | 0.05 |
| Peanut, hay | 0.05 |
| Pear | 25.0 |
| Plum, prune, fresh | 10.0 |
| Rapeseed, forage | 0.05 |
| Rapeseed, seed | 0.05 |
| Safflower, seed | 0.05 |
| Sesame, seed | 0.05 |
| Strawberry | 20.0 |
| Sunflower, seed | 0.05 |
| Vegetable, brassica leafy, group 5 | 0.05 |
| Vegetable, bulb, group 3 | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, foliage of legume, group 7 | 0.05 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, leafy, except brassica, group 4 | 0.05 |
| Vegetable, leaves of root and tuber, group 2 | 0.05 |
| Vegetable, legume, group 6 | 0.05 |
| Vegetable, root and tuber, group 1 | 0.05 |

(2) Tolerances are established for the combined residues of the fungicide, captan (N-trichloromethylthio-4-cyclohexene-1,2-dicarboximide) and its metabolite 1,2,3,6-tetrahydrophthalimide (THPI), measured at THPI, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.15 |
| Cattle, meat | 0.20 |
| Cattle, meat byproducts | 0.30 |
| Goat, fat | 0.15 |
| Goat, meat | 0.20 |
| Goat, meat byproducts | 0.30 |
| Hog, fat | 0.15 |
| Hog, meat | 0.20 |
| Hog, meat byproducts | 0.30 |
| Horse, fat | 0.15 |
| Horse, meat | 0.20 |
| Horse, meat byproducts | 0.30 |
| Milk | 0.10 |
| Sheep, fat | 0.15 |
| Sheep, meat | 0.20 |
| Sheep, meat byproducts | 0.30 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 52016, Sept. 12, 2007]

## § 180.106 Diuron; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide diuron, 3-(3,4-dichlorophenyl)-1,1-dimethylurea and its metabolites convertible to 3,4-dichloroaniline in or on food commodities, as follows:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.0 |
| Alfalfa, hay | 2.0 |
| Apple | 0.1 |
| Artichoke, globe | 1 |
| Asparagus | 7 |
| Banana | 0.1 |
| Berry group 13 | 0.1 |
| Cattle, fat | 1 |
| Cattle, meat | 1 |
| Cattle, meat byproducts | 1 |
| Citrus, oil | 3.0 |
| Corn, field, grain | 0.1 |
| Corn, pop, grain | 0.1 |
| Cotton, undelinted seed | 0.2 |
| Fish – freshwater finfish, farm raised | 2.0 |
| Fruit, citrus, group 10, except lemon | 0.05 |
| Goat, fat | 1 |
| Goat, meat | 1 |
| Goat, meat byproducts | 1 |
| Grain, aspirated fractions | 5.0 |
| Grape | 0.05 |
| Grass, forage, except bermudagrass | 2 |
| Grass, hay, except bermudagrass | 2 |
| Hazelnut | 0.1 |
| Hog, fat | 1 |
| Hog, meat | 1 |
| Hog, meat byproducts | 1 |
| Horse, fat | 1 |
| Horse, meat | 1 |
| Horse, meat byproducts | 1 |
| Lemon | 0.5 |
| Nut, macadamia | 0.05 |
| Olive | 1 |
| Papaya | 0.5 |
| Peach | 0.1 |
| Pear | 1 |
| Pea, field, seed | 0.1 |
| Pea, field, vines | 2 |
| Pea, field, hay | 2 |
| Pecan | 0.05 |
| Peppermint, tops | 1.5 |
| Pineapple | 0.1 |
| Pineapple, process residue | 0.4 |
| Sheep, fat | 1 |
| Sheep, meat | 1 |
| Sheep, meat byproducts | 1 |
| Sorghum, grain, forage | 2 |
| Sorghum, grain, grain | 0.5 |
| Sorghum, grain, stover | 2 |
| Spearmint, tops | 1.5 |
| Sugarcane, cane | 0.2 |
| Sugarcane, molasses | 0.7 |
| Walnut | 0.05 |

| Commodity | Parts per million |
|---|---|
| Wheat, bran | 0.7 |
| Wheat, forage | 2 |
| Wheat, grain | 0.5 |
| Wheat, hay | 2 |
| Wheat, straw | 1.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with a regional registration as defined in § 180.1(l) are established for the combined residues of the herbicide diuron (3-(3,4-dichlorophenyl)-1,1-dimethylurea and its metabolites convertible to 3,4-dichloroaniline) in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, bran | 0.7 |
| Barley, grain | 0.2 |
| Barley, hay | 2 |
| Barley, straw | 1.5 |
| Cactus | 0.05 |
| Clover, forage | 0.1 |
| Clover, hay | 1.0 |
| Oat, forage | 2 |
| Oat, grain | 0.1 |
| Oat, hay | 2 |
| Oat, straw | 1.5 |
| Trefoil, forage | 0.1 |
| Trefoil, hay | 1.5 |
| Vetch, forage | 0.1 |
| Vetch, hay | 1.5 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 2164, Jan. 14, 1998, as amended at 63 FR 57072, Oct. 26, 1998; 64 FR 41305, July 30, 1999; 66 FR 28671, May 24, 2001; 67 FR 46883, July 17, 2002; 69 FR 71717, Dec. 10, 2004; 72 FR 32540, June 13, 2007; 72 FR 35666, June 29, 2007; 73 FR 54958, Sept. 24, 2008; 76 FR 34885, June 15, 2011]

## § 180.108 Acephate; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of acephate, *O,S*-dimethyl acetyl phosphoramidothioate, including its metabolites and degradates other than methamidophos, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only acephate, *O,S*-dimethyl acetyl phosphoramidothioate, in or on the commodity.

| Commodity [1] | Parts per million |
|---|---|
| Bean, dry, seed | 3.0 |
| Bean, succulent | 3.0 |
| Brussels sprouts | 3.0 |
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Cauliflower | 2.0 |
| Celery | 10 |
| Cotton, hulls | 1.0 |
| Cotton, meal | 1.0 |
| Cotton, undelinted seed | 0.5 |
| Cranberry | 0.5 |
| Egg | 0.1 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Hog, fat | 0.1 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Lettuce, head | 10 |
| Milk | 0.1 |
| Peanut | 0.2 |
| Pepper | 4.0 |
| Peppermint, tops | 27 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Spearmint, tops | 27 |
| Soybean, seed | 1.0 |

[1] Where there is a direct use of methamidophos on the commodity, residues of methamidophos resulting from methamidophos application are regulated under 40 CFR 180.315.

(2) A tolerance of 0.02 ppm is established for residues of acephate, *O,S*-dimethyl acetyl phosphoramidothioate, including its metabolites and degradates other than methamidophos, in or on all food items (other than those already covered by a higher tolerance as a result of use on growing crops) in food handling establishments where food and food products are held, processed, prepared and served, including food service, manufacturing and processing establishments, such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries, where application of acephate shall be limited solely to spot and/or crack and crevice treatment (a coarse, low-pressure spray shall be used to avoid atomization or splashing of the spray for spot treatments; equipment capable of delivering a pinstream of insecticide shall be used for crack and crevice treatments). Spray concentration shall be limited to a

maximum of 1.0 percent active ingredient. Contamination of food or food-contact surfaces shall be avoided. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only acephate, *O,S*-dimethyl acetyl phosphoramidothioate, in or on the commodity.

(3) Tolerances are established for residues of methamidophos, *O,S*-dimethyl phosphoramidothioate, including its metabolites and degradates, in or on the commodities in the following table as a result of the application of acephate. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only methamidophos, *O,S*-dimethyl phosphoramidothioate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 1 |
| Bean, succulent | 1 |
| Brussels sprouts | 0.5 |
| Cauliflower | 0.5 |
| Celery | 1 |
| Cranberry | 0.1 |
| Lettuce, head | 1 |
| Pepper | 1 |
| Peppermint, tops | 1 |
| Spearmint, tops | 1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with a regional registration is established for residues of acephate, *O,S*-dimethyl acetyl phosphoramidothioate, including its metabolites and degradates other than methamidophos, in or on the commodity in the following table. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only acephate, *O,S*-dimethyl acetyl phosphoramidothioate, in or on the commodity.

| Commodity[1] | Parts per million |
|---|---|
| Nut, macadamia | 0.05 |

[1] Where there is a direct use of methamidophos on the commodity, residues of methamidophos resulting from methamidophos application are regulated under 40 CFR 180.315.

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 13542, Mar. 20, 1998, as amended at 67 FR 49615, July 31, 2002; 73 FR 5108, Jan. 29, 2008; 75 FR 60237, Sept. 29, 2010]

## § 180.110 Maneb; tolerances for residues.

(a) *General.* Tolerances for residues of the fungicide maneb (manganous ethylenebisdithiocarbamate), calculated as zinc ethylenebisdithiocarbamate, are established in or on raw agricultural commodities in the following table:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Almond | 0.1 | None |
| Apple | 2 | None |
| Apricot | 10 | None |
| Banana (not more than 0.5 part per million) shall be in the pulp after peel is removed and discarded (preharvest application only) | 4 | None |
| Bean, dry, seed | 7 | None |
| Bean, succulent | 10 | None |
| Beet, sugar, tops | 45 | None |
| Broccoli | 10 | None |
| Brussels sprouts | 10 | None |
| Cabbage | 10 | None |
| Cabbage, Chinese, bok choy | 10 | None |
| Cabbage, Chinese, napa | 10 | None |
| Carrot, roots | 7 | None |
| Cauliflower | 10 | None |
| Celery | 5 | None |
| Collards | 10 | None |
| Corn, sweet, kernel plus cob with husks removed | 5 | None |
| Cranberry | 7 | None |
| Cucumber | 4 | None |
| Eggplant | 7 | None |
| Endive | 10 | None |
| Fig | 7 | None |
| Grape | 7 | None |
| Kale | 10 | None |
| Kohlrabi | 10 | None |
| Lettuce | 10 | None |
| Melon | 4 | None |
| Mustard greens | 10 | None |
| Nectarine | 10 | None |
| Onion | 7 | None |
| Papaya | 10 | None |
| Peach | 10 | None |
| Pepper | 7 | None |
| Potato | 0.1 | None |
| Pumpkin | 7 | None |
| Squash, summer | 4 | None |
| Squash, winter | 4 | None |
| Tomato | 4 | None |
| Turnip, greens | 10 | None |
| Turnip, roots | 7 | None |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 49924, Sept. 24, 1997, as amended at 63 FR 57072, Oct. 26, 1998; 64 FR 13103, Mar. 17, 1999; 64 FR 72284, Dec. 27, 1999; 66 FR 64773, Dec. 14, 2001; 68 FR 37764, June 25, 2003; 70 FR 37696, June 30, 2005; 70 FR 75739, Dec. 21, 2005; 74 FR 636, Jan. 7, 2009; 74 FR 46371, Sept. 9, 2009; 76 FR 34885, June 15, 2011]

## § 180.111 Malathion; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide malathion (*O,O*-dimethyl dithiophosphate of diethyl mercaptosuccinate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 135 |
| Alfalfa, hay | 135 |
| Almond, hulls | 50 |
| Almond, postharvest | 8 |
| Apple | 8 |
| Apricot | 8 |
| Asparagus | 8 |
| Avocado | 8 |
| Barley, grain, postharvest | 8 |
| Bean, dry, seed | 8 |
| Bean, succulent | 8 |
| Beet, garden, roots | 8 |
| Beet, garden, tops | 8 |
| Beet, sugar, roots | 1 |
| Beet, sugar, tops | 8 |
| Blackberry | 8 |
| Blueberry | 8 |
| Boysenberry | 8 |
| Carrot, roots | 8 |
| Chayote, fruit | 8 |
| Chayote, roots | 8 |
| Cherry | 8 |
| Chestnut | 1 |
| Clover, forage | 135 |
| Clover, hay | 135 |
| Corn, field, forage | 8 |
| Corn, field, grain, postharvest | 8 |
| Corn, pop, grain, postharvest | 8 |
| Corn, sweet, forage | 8 |
| Corn, sweet, kernel plus cob with husks removed | 2 |
| Cowpea, forage | 135 |
| Cowpea, hay | 135 |
| Cranberry | 8 |
| Cucumber | 8 |
| Currant | 8 |
| Date, dried fruit | 8 |
| Dewberry | 8 |
| Eggplant | 8 |
| Fig | 8 |
| Flax, seed | 0.1 |
| Garlic, bulb | 8 |
| Gooseberry | 8 |
| Grape | 8 |
| Grapefruit | 8 |
| Guava | 8 |
| Hazelnut | 1 |
| Hop, dried cones | 1 |
| Horseradish | 8 |
| Kumquat | 8 |
| Leek | 8 |
| Lemon | 8 |
| Lentil, seed | 8 |
| Lespedeza, hay | 135 |
| Lime | 8 |
| Loganberry | 8 |
| Lupin, seed | 8 |
| Mango | 8 |
| Melon | 8 |
| Mushroom | 8 |
| Nectarine | 8 |
| Nut, macadamia | 1 |
| Oat, grain, postharvest | 8 |
| Okra | 8 |
| Onion, bulb | 8 |
| Onion, green | 8 |
| Orange | 8 |
| Papaya | 1 |
| Parsnip | 8 |
| Passionfruit | 8 |
| Pea | 8 |
| Pea, field, hay | 8 |
| Pea, field, vines | 8 |
| Peach | 8 |
| Peanut, hay | 135 |
| Peanut, postharvest | 8 |
| Pear | 8 |
| Pecan | 8 |
| Pepper | 8 |
| Peppermint, tops | 8 |
| Pineapple | 8 |
| Plum | 8 |
| Plum, prune | 8 |
| Potato | 8 |
| Pumpkin | 8 |
| Quince | 8 |
| Radish | 8 |
| Raspberry | 8 |
| Rice, grain, postharvest | 8 |
| Rice, wild | 8 |
| Rutabaga | 8 |
| Rye, grain, postharvest | 8 |
| Safflower, seed | 0.2 |
| Salsify, roots | 8 |
| Salsify, tops | 8 |
| Shallot, bulb | 8 |
| Sorghum, grain, forage | 8 |
| Sorghum, grain, grain, postharvest | 8 |
| Soybean, forage | 135 |
| Soybean, hay | 135 |
| Soybean, seed | 8 |
| Soybean, vegetable, succulent | 8 |
| Spearmint, tops | 8 |
| Squash, summer | 8 |
| Squash, winter | 8 |
| Strawberry | 8 |
| Sunflower, seed, postharvest | 8 |
| Sweet potato, roots | 1 |
| Tangerine | 8 |
| Tomato | 8 |
| Trefoil, forage | 135 |
| Trefoil, hay | 135 |
| Turnip, greens | 8 |
| Turnip, roots | 8 |
| Vegetable, brassica, leafy, group 5 | 8 |
| Vegetable, leafy, except brassica, group 4 | 8 |
| Vetch, hay | 135 |
| Walnut | 8 |
| Wheat, grain, postharvest | 8 |

(2) Tolerances are established for the combined residues of the insecticide

malathion (*O*,*O*-dimethyl dithiophosphate of diethyl mercaptosuccinate) and its metabolite, malaoxon (O,O-dimethyl thiophosphate of diethyl mercaptosuccinate), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, straw | 50 |
| Corn, field, stover | 30.0 |
| Cotton, undelinted seed | 20.0 |
| Grass, forage | 200 |
| Grass, hay | 270 |
| Oat, forage | 4.0 |
| Oat, straw | 50 |
| Rye, forage | 4.0 |
| Rye, straw | 50 |
| Watercress | 0.2 |
| Wheat, forage | 4.0 |
| Wheat, straw | 50 |

(3) Tolerances are established for residues of the insecticide malathion (*O*,*O*-dimethyl dithiophosphate of diethyl mercaptosuccinate), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 4 |
| Cattle, meat[1] | 4 |
| Cattle, meat byproducts[1] | 4 |
| Egg | 0.1 |
| Goat, fat | 4 |
| Goat, meat[1] | 4 |
| Goat, meat byproducts[1] | 4 |
| Hog, fat | 4 |
| Hog, meat[1] | 4 |
| Hog, meat byproducts[1] | 4 |
| Horse, fat | 4 |
| Horse, meat[1] | 4 |
| Horse, meat byproducts[1] | 4 |
| Milk, fat | 0.5 |
| Poultry, fat | 4 |
| Poultry, meat[1] | 4 |
| Poultry, meat byproducts[1] | 4 |
| Sheep, fat | 4 |
| Sheep, meat[1] | 4 |
| Sheep, meat byproducts[1] | 4 |

[1] The tolerance level shall not be exceeded in any cut of meat or in any meat byproducts from cattle, goat, hog, horse, poultry, or sheep.

(4) Malathion may be safely used in accordance with the following conditions:

(i) It is incorporated into paper trays in amounts not exceeding 100 milligrams per square foot.

(ii) Treated paper trays are intended for use only in the drying of grape (raisins).

(iii) Total residues of malathion resulting from drying of grape on treated trays and from application to grape before harvest shall not exceed 12 parts per million on processed ready-to-eat raisins.

(5) Residues of malathion in safflower, refined oil from application to the growing safflower plant shall not exceed 0.6 parts per million.

(6) Malathion may be safely used for the control of insects during the drying of grape (raisins) in compliance with paragraph (a)(4) of this section by incorporation into paper trays in amounts not exceeding 100 milligrams per square foot.

(7) Malathion (*O*,*O*-dimethyl dithiophosphate of diethyl mercaptosuccinate) may be safely used in feed in accordance with the following conditions.

(i) A tolerance of 50 parts per million is established for residues of malathion in citrus, dried pulp for cattle feed, when present as the result of the application of the pesticide to bagged citrus pulp during storage. Whether or not tolerances for residues of malathion on the fresh fruit have been established under section 408 of the Act, the total residue of malathion in the citrus, dried pulp shall not exceed 50 parts per million.

(ii) A tolerance of 10 parts per million is established for malathion in nonmedicated cattle feed concentrate blocks resulting from its application as a pesticide to paper used in packaging the nonmedicated cattle feed concentrate blocks.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[43 FR 22974, May 30, 1978, as amended at 43 FR 45584, Oct. 3, 1978; 44 FR 38844, July 3, 1979; 45 FR 76145, Nov. 18, 1980; 47 FR 42738, Sept. 29, 1982; 47 FR 55226, Dec. 8, 1982; 52 FR 45183, Nov. 25, 1987; 62 FR 66023, 66025, Dec. 17, 1997; 65 FR 33694, May 24, 2000; 72 FR 35665, June 29, 2007; 73 FR 54959, Sept. 24, 2008; 74 FR 47455, Sept. 16, 2009; 75 FR 60238, Sept. 29, 2010]

### § 180.114 Ferbam; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide ferbam (ferric dimethyldithiocarbamate), calculated

as carbon disulfide, in or on the following food commodities:

| Commodity | Parts per million | Expiration/Revocation Date |
|---|---|---|
| Apple | 4.0 [1] | None |
| Bean | 7.0 [1] | 10/27/07 |
| Cabbage | 7.0 [1] | 10/27/07 |
| Cherry | 4.0 [1] | None |
| Cranberry | 4.0 [1] | None |
| Fruit, citrus, group 10 | 4.0 [1] | None |
| Grape | 4.0 [1] | None |
| Lettuce | 7.0 [1] | 10/27/07 |
| Nectarine | 4.0 [1] | None |
| Peach | 4.0 [1] | None |
| Pear | 4.0 [1] | None |
| Raspberry | 7.0 [1] | 10/27/07 |

[1] Some of these tolerances were established on the basis of data acquired at the public hearings held in 1950 (formerly § 180.101) and the remainder were established on the basis of pesticide petitions presented under the procedure specified in the amendment to the Federal Food, Drug, and Cosmetic Act by Pub. L. 518, 83d Congress (68 Stat. 511)

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations, as defined in § 180.1(l), are established for residues of the fungicide ferbam (ferric dimethyldithiocarbamate), calculated as carbon disulfide, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Mango | 4.0 [1] |

[1] This tolerance was established on the basis of data acquired at the public hearings held in 1950 (formerly § 180.101) and the remainder was established on the basis of pesticide petitions presented under the procedure specified in the amendment to the Federal Food, Drug, and Cosmetic Act by Pub. L. 518, 83d Congress (68 Stat. 511)

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 57072, Oct. 26, 1998, as amended at 72 FR 53453, Sept. 19, 2007]

### § 180.116 Ziram; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide ziram (zinc dimethyldithiocarbamate), calculated as zinc ethylenebisdithiocarbamate, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 [1] |
| Apple | 7.0 [1] |
| Apricot | 7.0 [1] |
| Blackberry | 7.0 [1] |
| Blueberry | 7.0 [1] |
| Cherry, sweet | 7.0 [1] |
| Cherry, tart | 7.0 [1] |
| Grape | 7.0 |
| Huckleberry | 7.0 |
| Peach | 7.0 |
| Pear | 7.0 [1] |
| Pecan | 0.1 |
| Quince | 7.0 [1] |
| Strawberry | 7.0 |
| Tomato | 7.0 [1] |

[1] Some of these tolerances were established on the basis of data acquired at the public hearings held in 1950 (formerly § 180.101) and the remainder were established on the basis of pesticide petitions presented under the procedure specified in the amendment to the Federal Food, Drug, and Cosmetic Act by Public Law 518, 83d Congress (68 Stat. 511).

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39437, July 1, 2003, as amended at 71 FR 54432, Sept. 15, 2006; 73 FR 54959, Sept. 24, 2008]

### § 180.117 *S*-Ethyl dipropylthiocarbamate; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide *S*-ethyl dipropylthiocarbamate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of *S*-ethyl dipropylthiocarbamate, *S*-ethyl (2-hydroxypropyl)propylcarbamothioate, *S*-(2-hydroxyethyl)dipropylcarbamothioate, and *S*-ethyl (3-hydroxypropyl)propylcarbamothioate, calculated as the stoichiometric equivalent of *S*-ethyl dipropylthiocarbamate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.2 |
| Alfalfa, hay | 0.6 |
| Almond | 0.08 |
| Almond, hulls | 0.08 |
| Bean, dry, seed | 0.08 |
| Bean, succulent | 0.08 |
| Beet, garden, tops | 0.5 |
| Beet, sugar, molasses | 0.4 |
| Beet, sugar, tops | 0.5 |
| Clover, forage | 0.1 |
| Clover, hay | 0.1 |
| Corn, field, forage | 0.08 |

| Commodity | Parts per million |
|---|---|
| Corn, field, grain | 0.08 |
| Corn, field, stover | 0.08 |
| Corn, pop, grain | 0.08 |
| Corn, pop, stover | 0.08 |
| Corn, sweet, forage | 0.08 |
| Corn, sweet, kernel plus cob with husks removed | 0.08 |
| Corn, sweet, stover | 0.08 |
| Cotton, gin byproducts | 0.20 |
| Cotton, undelinted seed | 0.08 |
| Fruit, citrus, group 10 | 0.1 |
| Lespedeza, forage | 0.1 |
| Lespedeza, hay | 0.1 |
| Pea, succulent | 0.08 |
| Safflower, seed | 0.08 |
| Sunflower, seed | 0.08 |
| Tomato | 0.08 |
| Trefoil, forage | 0.1 |
| Trefoil, hay | 0.1 |
| Vegetable, root | 0.1 |
| Walnut | 0.08 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[75 FR 60239, Sept. 29, 2010]

### § 180.121 Methyl parathion; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide parathion *O*, *O*-Dimethyl-*O*-p-nitrophenyl thiophosphate (the methyl homolog of parathion) in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Alfalfa, forage | 1.25 | None |
| Alfalfa, hay | 5.0 | None |
| Almond | 0.1 | None |
| Almond, hulls | 3.0 | None |
| Barley | 1.0 | None |
| Bean, dry, seed | 1.0 | 1/24/09 |
| Beet, sugar, roots | 0.1 | 1/24/09 |
| Beet, sugar, tops | 0.1 | 1/24/09 |
| Cabbage | 1.0 | 1/24/09 |
| Corn, field, forage | 1.0 | None |
| Corn, field, grain | 1.0 | None |
| Corn, pop, grain | 1.0 | None |
| Corn, sweet, forage | 1.0 | None |
| Corn, sweet, kernel plus cob with husks removed | 1.0 | None |
| Cotton, undelinted seed | 0.75 | None |
| Grass, forage | 1.0 | None |
| Hop, dried cones | 1.0 | 1/24/09 |
| Oat | 1.0 | None |
| Onion | 1.0 | None |
| Peanut | 1.0 | None |
| Pea, dry, seed | 1.0 | 1/24/09 |
| Pea, field, vines | 1.0 | None |
| Pecan | 0.1 | 1/24/09 |
| Potato | 0.1 | None |
| Rapeseed, seed | 0.2 | None |
| Rice, grain | 1.0 | None |
| Soybean, hay | 1.0 | None |
| Soybean, seed | 0.1 | None |
| Sunflower, seed | 0.2 | None |
| Sweet potato, roots | 0.1 | None |
| Walnut | 0.1 | None |
| Wheat | 1.0 | None |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

(e) *Revoked tolerances subject to the channel of trade provisions*. The following table lists commodities for which methyl parathion use was unlawful after December 31, 1999, and the revoked tolerances. Commodities with residues of methyl parathion resulting from lawful use are subject to the channels of trade provisions of section 408(1)(5) of the FFDCA.

| Commodity | Parts per million |
|---|---|
| Apple | 1 |
| Artichoke, globe | 1 |
| Beet, garden, roots | 1 |
| Beet, garden, tops | 1 |
| Broccoli | 1 |
| Brussels sprouts | 1 |
| Carrot, roots | 1 |
| Cauliflower | 1 |
| Celery | 1 |
| Cherry | 1 |
| Collards | 1 |
| Grape | 1 |
| Kale | 1 |
| Kohlrabi | 1 |
| Lettuce | 1 |
| Mustard greens | 1 |
| Nectarine | 1 |
| Peach | 1 |
| Pear | 1 |
| Plum, prune, fresh | 1 |
| Rutabaga, roots | 1 |
| Rutabaga tops | 1 |
| Spinach | 1 |
| Tomato | 1 |
| Trefoil, forage | 1.25 |
| Trefoil, hay | 5 |
| Turnip, greens | 1 |
| Turnip, roots | 1 |
| Vegetable, brassica, leafy, group 5 | 1 |
| Vetch, forage | 1 |
| Vetch, hay | 1 |

[66 FR 1245, Jan. 5, 2001, as amended at 66 FR 38955, July 26, 2001; 67 FR 38603, June 5, 2002; 72 FR 35666, June 29, 2007; 73 FR 54959, Sept. 24, 2008; 74 FR 46372, Sept. 9, 2009]

### § 180.122 Parathion; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide parathion (*O*, *O*-Diethyl-*O*-p-nitrophenyl thiophosphate) in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Alfalfa, forage | 1.25 | 12/31/05 |
| Alfalfa, hay | 5.0 | 12/31/05 |
| Barley | 1.0 | 12/31/05 |
| Corn | 1.0 | 12/31/05 |
| Corn, forage | 1.0 | 12/31/05 |
| Cotton, undelinted seed | 0.75 | 12/31/05 |
| Rapeseed, seed | 0.2 | 12/31/05 |
| Sorghum, forage | 3.0 | 12/31/05 |
| Sorghum, grain, grain | 0.1 | 12/31/05 |
| Sorghum, grain, stover | 3.0 | 12/31/05 |
| Soybean | 0.1 | 12/31/05 |
| Soybean, hay | 1.0 | 12/31/05 |
| Sunflower, seed | 0.2 | 12/31/05 |
| Wheat | 1.0 | 12/31/05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[67 FR 38603, June 5, 2002]

### § 180.123 Inorganic bromide residues resulting from fumigation with methyl bromide; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of inorganic bromides (calculated as Br) in or on the following food commodities which have been fumigated with the antimicrobial agent and insecticide methyl bromide after harvest (with the exception of strawberry):

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Alfalfa, hay, postharvest | 50.0 | 10/31/11 |
| Almond, postharvest | 200.0 | None |
| Apple, postharvest | 5.0 | None |
| Apricot, postharvest | 20.0 | None |
| Artichoke, jerusalem, postharvest | 30.0 | None |
| Asparagus, postharvest | 100.0 | None |
| Avocado, postharvest | 75.0 | None |
| Barley, grain, postharvest | 50.0 | None |
| Bean, lima, postharvest | 50.0 | None |
| Bean, postharvest | 50.0 | None |
| Bean, snap, succulent, postharvest | 50.0 | None |
| Bean, succulent, postharvest | 50.0 | None |
| Beet, garden, roots, postharvest | 30.0 | None |
| Beet, sugar, roots, postharvest | 30.0 | None |
| Blueberry, postharvest | 20.0 | None |
| Butternut, postharvest | 200.0 | None |
| Cabbage, postharvest | 50.0 | None |
| Cacao bean, roasted bean, postharvest | 50.0 | None |
| Cantaloupe, postharvest | 20.0 | None |
| Carrot, roots, postharvest | 30.0 | None |
| Cashew, postharvest | 200.0 | None |
| Cherry, sweet, postharvest | 20.0 | None |
| Cherry, tart, postharvest | 20 | None |
| Chestnut, postharvest | 200.0 | None |
| Cippolini, bulb, postharvest | 50.0 | None |
| Citron, citrus, postharvest | 30.0 | None |
| Coconut, copra, postharvest | 100.0 | None |
| Coffee, bean, green, postharvest | 75.0 | None |
| Corn, field, grain, postharvest | 50.0 | None |
| Corn, pop, postharvest | 240.0 | None |
| Corn, sweet, kernel plus cob with husks removed, postharvest | 50.0 | None |
| Cotton, undelinted seed, postharvest | 200.0 | 10/31/11 |
| Cucumber, postharvest | 30.0 | None |
| Cumin, seed, postharvest | 100.0 | None |
| Eggplant, postharvest | 20.0 | None |
| Garlic, postharvest | 50.0 | None |
| Ginger, postharvest | 100.0 | None |
| Grape, postharvest | 20.0 | None |
| Grapefruit, postharvest | 30.0 | None |
| Hazelnut, postharvest | 200.0 | None |
| Horseradish, postharvest | 30.0 | None |
| Kumquat, postharvest | 30.0 | None |
| Lemon, postharvest | 30.0 | None |
| Lime, postharvest | 30.0 | None |
| Melon, honeydew, postharvest | 20.0 | None |
| Muskmelon, postharvest | 20.0 | None |
| Nectarine, postharvest | 20.0 | None |
| Nut, brazil, postharvest | 200.0 | None |
| Nut, hickory, postharvest | 200.0 | None |
| Nut, macadamia, postharvest | 200.0 | None |
| Oat, postharvest | 50.0 | None |
| Okra, postharvest | 30.0 | None |
| Onion, bulb, postharvest | 20.0 | None |
| Onion, green, postharvest | 20.0 | None |
| Orange, postharvest | 30.0 | None |
| Parsnip, roots, postharvest | 30.0 | None |
| Peach, postharvest | 20.0 | None |
| Peanut, postharvest | 200.0 | None |
| Pear, postharvest | 5.0 | None |
| Pea, blackeyed, postharvest | 50.0 | None |
| Pea, postharvest | 50.0 | None |
| Pecan, postharvest | 200.0 | None |
| Pepper, postharvest | 30.0 | None |
| Pimento, postharvest | 30.0 | None |
| Pineapple, postharvest | 20.0 | None |
| Pistachio, postharvest | 200.0 | None |
| Plum, postharvest | 20.0 | None |
| Pomegranate, postharvest | 100.0 | None |
| Potato, postharvest | 75.0 | None |
| Pumpkin, postharvest | 20.0 | None |
| Quince, postharvest | 5.0 | None |
| Radish, postharvest | 30.0 | None |
| Rice, grain, postharvest | 50.0 | None |
| Rutabaga, roots, postharvest | 30.0 | None |
| Rutabaga, tops, postharvest | 30.0 | None |
| Rye, grain, postharvest | 50.0 | None |
| Salsify, roots, postharvest | 30.0 | None |
| Sorghum, grain, grain, postharvest | 50.0 | None |
| Soybean, postharvest | 200.0 | None |
| Squash, summer, postharvest | 30.0 | None |
| Squash, winter, postharvest | 20.0 | None |
| Squash, zucchini, postharvest | 20.0 | None |
| Strawberry, postharvest | 60.0 | None |
| Sweet potato, postharvest | 75.0 | None |

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Tangerine, postharvest | 30.0 | None |
| Timothy, hay, postharvest | 50.0 | 10/19/10 |
| Tomato, postharvest | 20.0 | None |
| Turnip, roots, postharvest | 30.0 | None |
| Walnut, postharvest | 200.0 | None |
| Watermelon, postharvest | 20.0 | None |
| Wheat | 50.0 | None |

(2) Inorganic bromide may be present as a residue in certain processed food in accordance with the following conditions:

(i) When inorganic bromide residues are present as a result of fumigation of the processed food with methyl bromide or from such fumigation in addition to the authorized use of methyl bromide on the source raw agricultural commodity, as provided for in this part, the total residues of inorganic bromides (calculated as Br) shall not exceed the following levels:

(A) 400 parts per million in or on egg, dried and herb, processed and spice.

(B) 325 parts per million in or on cheese, parmesan and cheese, roquefort cheese.

(C) 250 parts per million in or on tomato, concentrated products and fig, dried fruit.

(D) 125 parts per million in or on processed food other than those listed above.

(ii) When inorganic bromide residues are present in malt beverage, fermented in accordance with 21 CFR 172.730(a)(2), the amount shall not exceed 25 parts per million (calculated as Br).

(iii) Where tolerances are established on both the raw agricultural commodities and processed food made therefrom, the total residues of inorganic bromides in or on the processed food shall not be greater than those designated in paragraph (a)(2) of this section, unless a higher level is established elsewhere in this part.

(3) Tolerances are established for residues of inorganic bromides (calculated as Br) as follows:

(i) 400 parts per million for residues in or on dog food, resulting from fumigation with methyl bromide.

(ii) 125 parts per million for residues in or on processed commodities for animal feedstuffs from barley, corn, grain sorghum, oat, rice, rye and wheat, resulting directly from fumigation with methyl bromide or from carryover and concentration of residues of inorganic bromides from fumigation of the grains with methyl bromide.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with regional registration, as defined in §180.1(l), is established for residues of inorganic bromides (calculated as Br) in or on the following food commodity grown in soil fumigated with methyl bromide.

| Commodity | Parts per million |
|---|---|
| Ginger, postharvest | 100 |

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74812, Dec. 13, 2006, as amended at 75 FR 60239, Sept. 29, 2010]

### § 180.123a Inorganic bromide residues in peanut hay and peanut hulls; statement of policy.

(a) Investigations by the Food and Drug Administration show that peanut hay and peanut shells have been used as feed for meat and dairy animals. While many growers now harvest peanuts with combines and leave the hay on the ground to be incorporated into the soil, some growers follow the practice of curing peanuts on the vines in a stack and save the hay for animal feed. Peanut shells or hulls have been used to a minor extent as roughage for cattle feed. It has been established that the feeding to cattle of peanut hay and peanut hulls containing residues of inorganic bromides will contribute considerable residues of inorganic bromides to the meat and milk.

(b) There are no tolerances for inorganic bromides in meat and milk to cover residues from use of such peanut hulls as animal feed. Peanut hulls containing residues of inorganic bromides from the use of methyl bromide are unsuitable as an ingredient in the feed of meat and dairy animals and should not be represented, sold, or used for that purpose.

[58 FR 65555, Dec. 15, 1993]

**§ 180.127 Piperonyl butoxide; tolerances for residues.**

(a) *General.* (1) Tolerances for residues of the insecticide piperonyl butoxide [(butyl carbityl)(6-propyl piperonyl)ether] are established in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, postharvest | 8 |
| Apple, postharvest | 8 |
| Barley, postharvest | 20 |
| Bean, postharvest | 8 |
| Birdseed, mixtures, postharvest | 20 |
| Blackberry, postharvest | 8 |
| Blueberry, postharvest | 8 |
| Boysenberry, postharvest | 8 |
| Buckwheat, grain, postharvest | 20 |
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Cherry, sweet, postharvest | 8 |
| Cherry, tart, postharvest | 8 |
| Cacoa bean, roasted bean, postharvest | 8 |
| Coconut, copra, postharvest | 8 |
| Corn, field, grain, postharvest | 20 |
| Corn, pop, postharvest | 20 |
| Cotton, undelinted seed, postharvest | 8 |
| Crabapple, postharvest | 8 |
| Currant, postharvest | 8 |
| Dewberry, postharvest | 8 |
| Egg | 1 |
| Fig, postharvest | 8 |
| Flax, seed, postharvest | 8 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Gooseberry, postharvest | 8 |
| Grape, postharvest | 8 |
| Guava, postharvest | 8 |
| Hog, fat | 0.1 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Loganberry, postharvest | 8 |
| Mango, postharvest | 8 |
| Milk, fat | 0.25 |
| Muskmelon, postharvest | 8 |
| Oat, postharvest | 8 |
| Orange, postharvest | 8 |
| Peach, postharvest | 8 |
| Peanut, postharvest | 8 |
| Pea, postharvest | 8 |
| Pear, postharvest | 8 |
| Pineapple, postharvest | 8 |
| Plum, prune, fresh, postharvest | 8 |
| Potato, postharvest | 0.25 |
| Poultry, fat | 3 |
| Poultry, meat | 3 |
| Poultry, meat byproducts | 3 |
| Raspberry, postharvest | 8 |
| Rice, postharvest | 20 |
| Rye, postharvest | 20 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Sorghum, grain, postharvest | 8 |
| Sweet potato, postharvest | 0.25 |
| Tomato, postharvest | 8 |
| Walnut, postharvest | 8 |
| Wheat, postharvest | 20 |

(2) Piperonyl butoxide may be safely used in accordance with the following prescribed conditions:

(i) It is used or intended for use in combination with pyrethrins for control of insects:

(A) In cereal grain mills and in storage areas for milled cereal grain products, whereby the amount of piperonyl butoxide is at least equal to but not more than 10 times the amount of pyrethrins in the formulation.

(B) On the outer ply of multiwall paper bags of 50 pounds or more capacity in amounts not exceeding 60 milligrams per square foot, whereby the amount of piperonyl butoxide is equal to 10 times the amount of pyrethrins in the formulation. Such treated bags are to be used only for food, dried.

(C) On cotton bags of 50 pounds or more capacity in amounts not exceeding 55 milligrams per square foot of cloth, whereby the amount of piperonyl butoxide is equal to 10 times the amount of pyrethrins in the formulation. Such treated bags are constructed with waxed paper liners and are to be used only for food, dried that contain 4 percent fat or less.

(D) In two-ply bags consisting of cellophane/polyolefin sheets bound together by an adhesive layer when it is incorporated in the adhesive. The treated sheets shall contain not more than 50 milligrams of piperonyl butoxide per square foot (538 milligrams per square meter). Such treated bags are to be used only for packaging plum, prune, dried; grape, raisin; and other fruit, dried and are to have a maximum ratio of 3.12 milligrams of piperonyl butoxide per ounce of fruit (0.10 milligram of piperonyl butoxide per gram of product).

(E) In food processing and food storage areas: Provided, That the food is removed or covered prior to such use.

(ii) It is used or intended for use in combination with pyrethrins and N-octylbicycloheptene dicarboximide for insect control in accordance with 21 CFR 178.3730.

(iii) A tolerance of 10 parts per million is established for residues of piperonyl butoxide in or on:

(A) Grain, cereal, milled fractions when present therein as a result of its use in cereal grain mills and in storage areas for milled cereal grain products.

(B) Food, dried when present as a result of migration from its use on the outer ply of multiwall paper bags of 50 pounds or more capacity.

(C) Food treated in accordance with 21 CFR 178.3730.

(D) Food, dried that contain 4 percent fat, or less, when present as a result of migration from its use on the cloth of cotton bags of 50 pounds or more capacity constructed with waxed paper liners.

(E) Food treated in accordance with paragraph (a)(2)(i)(D) and (E) of this section.

(iv) To assure safe use of the pesticide, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(v) Where tolerances are established on both raw agricultural commodities and processed food made therefrom, the total residues of piperonyl butoxide in or on the processed food shall not be greater than that permitted by the larger of the two tolerances.

(3) Piperonyl butoxide may be safely used in accordance with the following prescribed conditions:

(i) It is used or intended for use in combination with pyrethrins for control of insects:

(A) On the outer ply of multiwall paper bags of 50 pounds or more capacity in amounts not exceeding 60 milligrams per square foot.

(B) On cotton bags of 50 pounds or more capacity in amounts not exceeding 55 milligrams per square foot of cloth. Such treated bags are constructed with waxed paper liners and are to be used only for feed, dried that contain 4 percent fat or less.

(ii) It is used in combination with pyrethrins, whereby the amount of piperonyl butoxide is equal to 10 times the amount of pyrethrins in the formulation. Such treated bags are to be used only for feed, dried.

(iii) A tolerance of 10 parts per million is established for residues of piperonyl butoxide when present as the result of migration:

(A) In or on feed, dried from its use on the outer ply of multiwall paper bags of 50 pounds or more capacity.

(B) In or on feed, dried that contain 4 percent fat, or less, from its use on cotton bags of 50 pounds or more capacity constructed with waxed paper liners.

(iv) To assure safe use of the pesticide, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency.

(v) Where tolerances are established on both the raw agricultural commodities and food, processed made therefrom, the total residues of piperonyl butoxide in or on the processed food shall not be greater than that permitted by the larger of the two tolerances.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74813, Dec. 13, 2006]

### § 180.128 Pyrethrins; tolerances for residues.

(a) *General.* (1) Tolerances for residues of the insecticide pyrethrins ((1S)-2-methyl-4-oxo-3-(2Z)-2,4-pentadienylcyclopenten-1-yl (1R,3R)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate (pyrethrin 1), (1S)-2-methyl-4-oxo-3-(2Z)-2,4-pentadienyl-2-cyclopenten-1-yl (1R,3R)-3-[(1E)-3-methoxy-2-methyl-3-oxo-1-propenyl]-2,2-dimethylcyclopropanecarboxylate (pyrethrin 2), (1S)-3-(2Z)-2-butenyl-2-methyl-4-oxo-2-cyclopenten-1-yl (1R,3R)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate (cinerin 1), (1S)-3-(2Z)-2-butenyl-2-methyl-4-oxo-2-cyclopenten-1-yl (1R,3R)-3-[(1E)-3-methoxy-2-methyl-3-oxo-1-propenyl]-2,2-dimethylcyclopropanecarboxylate (cinerin 2), (1S)-2-methyl-4-oxo-3-(2Z)-2-pentenyl-2-cyclopenten-1-yl (1R, 3R)-2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate (jasmolin 1), and (1S)-2-methyl-4-oxo-3-(2Z)-pentenyl-2-cyclopenten-1-yl

(1R,3R)-3-[(1E)-3-methoxy-2-methyl-3-oxo-1-propenyl]-2,2-dimethylcyclopropanecarboxylate (jasmolin 2)), the insecticidally active principles of Chrysanthemum cinerariaefolium, which are measured as cumulative residues of pyrethrin 1, cinerin 1, and jasmolin 1 are not to exceed the following:

| Commodity | Parts per million |
|---|---|
| Almond, postharvest | 1.0 |
| Apple, postharvest | 1.0 |
| Barley, grain, postharvest | 3.0 |
| Bean, succulent, postharvest | 1.0 |
| Birdseed, mixtures, postharvest | 3.0 |
| Blackberry, postharvest | 1.0 |
| Blueberry, postharvest | 1.0 |
| Boysenberry, postharvest | 1.0 |
| Buckwheat, grain, postharvest | 3.0 |
| Cacao bean, roasted bean, postharvest | 1.0 |
| Cattle, fat | 1.0 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cherry, sweet, postharvest | 1.0 |
| Cherry, tart, postharvest | 1.0 |
| Coconut, copra, postharvest | 1.0 |
| Corn, field, grain, postharvest | 3.0 |
| Corn, pop, grain, postharvest | 3.0 |
| Cotton, undelinted seed, postharvest | 1.0 |
| Crabapple, postharvest | 1.0 |
| Currant, postharvest | 1.0 |
| Dewberry, postharvest | 1.0 |
| Fig, postharvest | 1.0 |
| Flax, seed, postharvest | 1.0 |
| Goat, fat | 1.0 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Gooseberry, postharvest | 1.0 |
| Grape, postharvest | 1.0 |
| Guava, postharvest | 1.0 |
| Hog, fat | 1.0 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 1.0 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Loganberry, postharvest | 1.0 |
| Mango, postharvest | 1.0 |
| Milk, fat (reflecting negligible residues in milk) | 0.05 |
| Muskmelon, postharvest | 1.0 |
| Oat, grain, postharvest | 1.0 |
| Orange, postharvest | 1.0 |
| Pea, dry, seed, postharvest | 1.0 |
| Peach, postharvest | 1.0 |
| Peanut, postharvest | 1.0 |
| Pear, postharvest | 1.0 |
| Pineapple, postharvest | 1.0 |
| Plum, prune, fresh, postharvest | 1.0 |
| Potato, postharvest | 0.05 |
| Raspberry, postharvest | 1.0 |
| Rice, grain, postharvest | 3.0 |
| Rye, grain, postharvest | 3.0 |
| Sheep, fat | 1.0 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Sorghum, grain, grain, postharvest | 1.0 |
| Sweet potato, postharvest | 0.05 |
| Tomato, postharvest | 1.0 |
| Walnut, postharvest | 1.0 |
| Wheat, grain, postharvest | 3.0 |

(2) A tolerance of 1.0 ppm is established for residues of the insecticide pyrethrins in or on milled fractions derived from grain, cereal when present as a result of its use in cereal grain mills and in storage areas for milled cereal grain products.

(3) A tolerance of 1.0 ppm is established for residues of the insecticide pyrethrins in or on all food items in food handling establishments where food and food products are held, processed, prepared and/or served. Food must be removed or covered prior to use.

(4) Where tolerances are established on both the raw agricultural commodities and processed foods made therefrom, the total residues of pyrethrins in or on the processed food shall not be greater than that permitted by the larger of the two tolerances.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 74814, Dec. 13, 2006, as amended at 73 FR 5108, Jan. 29, 2008]

### § 180.129 o-Phenylphenol and its sodium salt; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the fungicide o-phenylphenol and sodium o-phenylphenate, each expressed as o-phenylphenol, from postharvest application of either in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Apple | 25 |
| Cantaloupe (NMT 10 ppm in edible portion) | 125 |
| Carrot, roots | 20 |
| Cherry | 5 |
| Citrus fruits | 10 |
| Cucumber | 10 |
| Lemon | 10 |
| Nectarine | 5 |
| Orange | 10 |
| Pepper, bell | 10 |
| Peach | 20 |
| Pear | 25.0 |
| Pineapple | 10 |
| Plum, prune, fresh | 20 |
| Sweet potato, roots | 15 |
| Tomato | 10 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 54960, Sept. 24, 2008]

### § 180.130 Hydrogen Cyanide; tolerances for residues.

(a) *General*. A tolerance for residues of the insecticide hydrogen cyanide from postharvest fumigation as a result of application of sodium cyanide is established as follows: 50 parts per million in or on Fruit, citrus.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 39077, July 21, 1999]

### § 180.132 Thiram; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide thiram (tetramethyl thiuram disulfide) in or on raw agricultural commodities as follows:

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Apple | 7.0 | None |
| Banana[1] | 0.80 | 3/31/14 |
| Peach | 7.0 | None |
| Strawberry | 7.0 | None |

[1] No U.S. registrations as of September 23, 2009.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[67 FR 49615, July 31, 2002, as amended at 74 FR 48391, Sept. 23, 2009]

### § 180.133 Lindane; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide lindane (gamma isomer of 1,2,3,4,5,6-hexachlorocyclohexane) in or on raw agricultural commodities as follows:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Cattle, fat | 7.0 | 10/02/09 |
| Goat, fat | 7.0 | 10/02/09 |
| Hog, fat | 4.0 | 10/02/09 |
| Horse, fat | 7.0 | 10/02/09 |
| Sheep, fat | 7.0 | 10/02/09 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 39438, July 1, 2003, as amended at 70 FR 55286, Sept. 21, 2005; 72 FR 53454, Sept. 19, 2007]

### § 180.142 2,4-D; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide, plant regulator, and fungicide 2,4-D (2,4-dichlorophenoxyacetic acid), both free and conjugated, determined as the acid, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond hulls | 0.1 |
| Asparagus | 5.0 |
| Barley, bran | 4.0 |
| Barley, grain | 2.0 |
| Barley, straw | 50 |
| Berry, group 13 | 0.2 |
| Cattle, fat | 0.3 |
| Cattle, kidney | 4.0 |
| Cattle, meat | 0.3 |
| Cattle, meat byproducts, except kidney | 0.3 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 50 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 50 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 50 |
| Cranberry | 0.5 |
| Fish | 0.1 |
| Fruit, citrus, group 10 | 3.0 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Goat, fat | 0.3 |
| Goat, kidney | 4.0 |
| Goat, meat | 0.3 |
| Goat, meat byproducts, except kidney | 0.3 |
| Grain, aspirated fractions | 40 |
| Grape | 0.05 |
| Grass, forage | 360 |
| Grass, hay | 300 |
| Hop, dried cones | 0.2 |
| Horse, fat | 0.3 |
| Horse, kidney | 4.0 |
| Horse, meat | 0.3 |
| Horse, meat byproducts, except kidney | 0.3 |
| Millet, forage | 25 |
| Millet, grain | 2.0 |
| Millet, straw | 50 |

| Commodity | Parts per million |
|---|---|
| Milk | 0.05 |
| Nut, tree, group 14 | 0.2 |
| Oat, forage | 25 |
| Oat, grain | 2.0 |
| Oat, straw | 50 |
| Pistachio | 0.05 |
| Potato | 0.4 |
| Rice, grain | 0.5 |
| Rice, hulls | 2.0 |
| Rice, straw | 10 |
| Rye, bran | 4.0 |
| Rye, forage | 25 |
| Rye, grain | 2.0 |
| Rye, straw | 50 |
| Sheep, fat | 0.3 |
| Sheep, kidney | 4.0 |
| Sheep, meat | 0.3 |
| Sheep, meat byproducts, except kidney | 0.3 |
| Shellfish | 1.0 |
| Sorghum, grain, forage | 0.2 |
| Sorghum, grain, grain | 0.2 |
| Sorghum, grain, stover | 0.2 |
| Soybean, forage | 0.02 |
| Soybean, hay | 2.0 |
| Soybean, seed | 0.02 |
| Strawberry | 0.05 |
| Sugarcane, cane | 0.05 |
| Sugarcane, molasses | 0.2 |
| Vegetable, leaves of root and tuber, group 2 | 0.1 |
| Vegetable, root and tuber, except potato, group 1 | 0.1 |
| Wheat, bran | 4.0 |
| Wheat, forage | 25 |
| Wheat, grain | 2.0 |
| Wheat, straw | 50 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the herbicide, plant regulator, and fungicide 2,4-D (2,4-dichlorophenoxyacetic acid), both free and conjugated, determined as the acid, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Rice, wild, grain | 0.05 |

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the herbicide, plant regulator, and fungicide 2,4-D (2,4-dichlorophenoxyacetic acid), both free and conjugated, determined as the acid, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.2 |
| Avocado | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Dill, seed | 0.05 |
| Okra | 0.05 |
| Vegetable, brassica leafy, group 5 | 0.4 |
| Vegetable, bulb, group 3 | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, foliage of legume, group 7 | 0.2 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, leafy, except brassica, group 4 | 0.4 |
| Vegetable, legume, group 6 | 0.05 |

[72 FR 52017, Sept. 12, 2007, as amended at 73 FR 53737, Sept. 17, 2008; 74 FR 48411, Sept. 23, 2009]

## § 180.144 Cyhexatin; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the pesticide cyhexatin (tricyclohexylhydroxystannane; CAS Reg. No. 13121–70–5) and its organotin metabolites (calculated as cyhexatin) in or on the following food commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Orange, juice | 0.1 | 6/13/09 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33708, May 24, 2000, as amended at 70 FR 55272, Sept. 21, 2005]

## § 180.145 Fluorine compounds; tolerances for residues.

(a) *General.* (1) Tolerances are established for combined residues of the insecticidal fluorine compounds cryolite and synthetic cryolite (sodium aluminum fluoride) in or on the following agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Apricot | 7 |
| Blackberry | 7 |
| Blueberry | 7 |
| Boysenberry | 7 |
| Broccoli | 7 |
| Brussels sprouts | 7 |
| Cabbage | 7 |
| Cauliflower | 7 |
| Collards | 7 |
| Cranberry | 7 |
| Cucumber | 7 |
| Dewberry | 7 |

| Commodity | Parts per million |
|---|---|
| Eggplant | 7 |
| Fruit, citrus | 7 |
| Grape | 7 |
| Kale | 7 |
| Kohlrabi | 7 |
| Lettuce, head | 7 |
| Lettuce, leaf | 7 |
| Loganberry | 7 |
| Melon | 7 |
| Nectarine | 7 |
| Peach | 7 |
| Pepper | 7 |
| Plum, prune, fresh | 7 |
| Pumpkin | 7 |
| Raspberry | 7 |
| Squash, summer | 7 |
| Squash, winter | 7 |
| Strawberry | 7 |
| Tomato | 7 |
| Youngberry | 7 |

(2) Tolerances are established for residues of fluoride in or on the following commodities from the postharvest fumigation with sulfuryl fluoride for the control of insects:

| Commodity | Parts per million |
|---|---|
| All processed food commodities not otherwise listed | 70 |
| Barley, bran, postharvest | 45.0 |
| Barley, flour, postharvest | 45.0 |
| Barley, grain, postharvest | 15.0 |
| Barley, pearled barley, postharvest | 45.0 |
| Cattle, meat, dried | 40 |
| Cheese | 5.0 |
| Cacao bean, roasted bean, postharvest | 20 |
| Coconut, postharvest | 40 |
| Coffee, bean, green, postharvest | 15 |
| Corn, field, flour, postharvest | 35.0 |
| Corn, field, grain, postharvest | 10.0 |
| Corn, field, grits, postharvest | 10.0 |
| Corn, field, meal, postharvest | 30.0 |
| Corn, pop, grain, postharvest | 10.0 |
| Cotton, undelinted seed, postharvest | 70 |
| Egg, dried | 900 |
| Fruit, dried, except grape, raisin, postharvest | 3.0 |
| Ginger, postharvest | 70 |
| Grain, aspirated fractions, postharvest | 55.0 |
| Grape, raisin, postharvest | 7.0 |
| Hog, meat | 20 |
| Herbs and spices group 19, postharvest | 70 |
| Milk, powdered | 5.0 |
| Millet, grain, postharvest | 40.0 |
| Nut, pine, postharvest | 20 |
| Nut, tree, Group 14, postharvest | 10.0 |
| Oat, flour, postharvest | 75.0 |
| Oat, grain, postharvest | 25.0 |
| Oat, groats/rolled oats | 75.0 |
| Peanut, postharvest | 15 |
| Pistachio, postharvest | 10.0 |
| Rice, bran, postharvest | 31.0 |
| Rice, flour, postharvest | 45 |
| Rice, grain, postharvest | 12.0 |
| Rice, hulls, postharvest | 35.0 |
| Rice, polished rice, postharvest | 25.0 |
| Rice, wild, grain, postharvest | 25.0 |
| Sorghum, grain, postharvest | 40.0 |
| Triticale, grain, postharvest | 40.0 |
| Vegetable, legume, group 6, postharvest | 70 |
| Wheat, bran, postharvest | 40.0 |
| Wheat, flour, postharvest | 125.0 |
| Wheat, germ, postharvest | 130.0 |
| Wheat, grain, postharvest | 40.0 |
| Wheat, milled byproducts, postharvest | 130.0 |
| Wheat, shorts, postharvest | 40.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined by § 180.1(l), are established for the combined residues of the insecticidal fluorine compounds, cryolite and synthetic cryolite (sodium aluminum fluoride), in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Kiwifruit | 15 |

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74815, Dec. 13, 2006, as amended at 76 FR 34885, June 15, 2011]

### § 180.151 Ethylene oxide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the antimicrobial agent and insecticide ethylene oxide, when used as a postharvest fumigant in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Herb and spice, group 19, dried, except basil | 7 |
| Licorice, roots | 7 |
| Peppermint, tops, dried | 7 |
| Sesame, seed | 7 |
| Spearmint, tops, dried | 7 |
| Vegetable, dried | 7 |
| Walnut | 50 |

(2) Tolerances are established for residues of the ethylene oxide reaction product, 2-chloroethanol, commonly referred to as ethylene chlorohydrin, when ethylene oxide is used as a postharvest fumigant in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Herb and spice, group 19, dried, except basil | 940 |
| Licorice, roots | 940 |
| Peppermint, tops, dried | 940 |
| Sesame, seed | 940 |
| Spearmint, tops, dried | 940 |
| Vegetable, dried | 940 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33695, May 24, 2000, as amended at 74 FR 46696, Sept. 11, 2009]

### § 180.153 Diazinon; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide diazinon, *O*,*O*-diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl]phosphorothioate (CAS No. 333–41–5), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 3.0 |
| Apple | 0.50 |
| Apricot | 0.20 |
| Bean, lima | 0.50 |
| Bean, snap, succulent | 0.50 |
| Beet, garden, roots | 0.75 |
| Beet, garden, tops | 0.70 |
| Blueberry | 0.50 |
| Caneberry subgroup 13-07A | 0.75 |
| Carrot, roots | 0.75 |
| Cattle, fat | 0.50 |
| Cherry, sweet | 0.20 |
| Cherry, tart | 0.20 |
| Cranberry | 0.50 |
| Endive | 0.70 |
| Fig | 0.50 |
| Ginseng | 0.75 |
| Grape | 0.75[2] |
| Hazelnut | 0.50 |
| Kiwifruit[1] | 0.75 |
| Lettuce | 0.70 |
| Melon | 0.75 |
| Mushroom | 0.75[2] |
| Nectarine | 0.20 |
| Onion, bulb | 0.75 |
| Onion, green | 0.75 |
| Pea, succulent | 0.50 |
| Peach | 0.20 |
| Pear | 0.50 |
| Pineapple | 0.50 |
| Plum, prune, fresh | 0.20 |
| Radish | 0.50 |
| Rutabaga | 0.75 |
| Spinach | 0.70 |
| Strawberry | 0.50 |
| Tomato | 0.75 |
| Vegetable, brassica, leafy, group 5 | 0.70 |
| Watercress | 0.05 |

[1]There are no domestic registrations for kiwifruit as of March 6, 2002.

[2]The expiration/revocation date for this tolerance is 9/10/2010.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the insecticide diazinon, *O*, *O*-diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl]-phosphorothioate (CAS No. 333–41–5), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.50 |
| Banana | 0.20 |
| Celery | 0.70 |
| Cucumber | 0.75 |
| Parsley, leaves | 0.75 |
| Parsnip | 0.50 |
| Pepper | 0.5 |
| Potato | 0.10 |
| Squash, summer | 0.50 |
| Squash, winter | 0.75 |
| Sweet potato, roots | 0.10 |
| Swiss chard | 0.70 |
| Turnip, roots | 0.50 |
| Turnip, tops | 0.75 |

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 42738, Sept. 29, 1982]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.153, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.154 Azinphos-methyl; tolerances for residues.

(a) *General.* Tolerances for residues of the insecticide *O*,*O*-dimethyl *S*-[(4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)methyl]phosphorodithioate in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Almond[1] | 0.2 | None |
| Almond, hulls[1] | 5.0 | None |
| Apple[2] | 1.5 | None |
| Blackberry[3] | 2.0 | None |
| Blueberry[2] | 5.0 | None |
| Boysenberry[3] | 2.0 | None |
| Brussels sprouts[4] | 2.0 | None |
| Cherry[2] | 2.0 | None |
| Crabapple[2] | 1.5 | None |
| Cranberry[3] | 0.5 | 12/31/12 |
| Loganberry[3] | 2.0 | None |
| Parsley, leaves[2] | 5.0 | None |
| Parsley, turnip rooted, roots[2] | 2.0 | None |
| Peach[3] | 2.0 | None |
| Pear[2] | 1.5 | None |
| Pistachio[1] | 0.3 | None |
| Plum, prune[5] | 2.0 | None |
| Quince[5] | 1.5 | None |
| Raspberry[3] | 2.0 | None |
| Walnut[1] | 0.3 | None |

[1]There are no U.S. registrations as of October 30, 2009.

[2]There are no U.S. registrations as of September 30, 2012.

[3]There are no U.S. registrations since September 30, 2006.

[4]There are no U.S. registrations since September 30, 2008.

[5]There are no U.S. registrations since December 28, 2005.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 38752, June 22, 2000, as amended at 74 FR 46697, Sept. 11, 2009]

### § 180.155 1-Naphthaleneacetic acid; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the plant growth regulator 1-naphthaleneacetic acid and its conjugates calculated as 1-naphthaleneacetic acid from the application of 1-naphthaleneacetic acid, its ammonium, sodium, or potassium salts, ethyl ester, and acetamide in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Cherry, sweet | 0.1 |
| Fruit, pome, group 11 | 0.15 |
| Olive | 0.7 |
| Orange | 0.1 |
| Pineapple[1] | 0.05 |
| Tangerine | 0.1 |

[1] There are no U.S. registrations since 1988.

(b) *Section 18 emergency exemptions*. A time-limited tolerance specified in the following table is established for residues of the ethyl ester of 1-naphthaleneacetic acid in or on the following raw agricultural commodity resulting from use of the pesticide pursuant to FIFRA section 18 emergency exemptions. The tolerance will expire and is revoked on the date specified in the following table:

| Commodity | Parts per million | Expiration/revocation |
|---|---|---|
| Avocado | 0.05 | 12/31/12 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 46697, Sept. 11, 2009, as amended at 75 FR 37739, June 30, 2010]

### § 180.157 Methyl 3-[(dimethoxyphosphinyl) oxy]butenoate, alpha and beta isomers; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide methyl 3-[(dimethoxyphosphinyl)oxy]butenoate, alpha and beta isomers, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Broccoli | 1.0 |
| Cabbage | 1.0 |
| Cauliflower | 1.0 |
| Celery | 1.0 |
| Cucumber | 0.2 |
| Grape | 0.5 |
| Lettuce | 0.5 |
| Melon (determined on the edible portion with rind removed) | 0.5 |
| Pea | 0.25 |
| Pepper | 0.25 |
| Spinach | 1.0 |
| Squash, summer | 0.25 |
| Strawberry | 1.0 |
| Tomato | 0.2 |
| Watermelon | 0.5 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 41822, Aug. 2, 1999]

### § 180.163 1,1-Bis(4-chlorophenyl)-2,2,2-trichloroethanol; tolerances for residues.

(a) *General*. (1) Tolerances for the combined residues of the insecticide dicofol, 1,1-bis(4-chlorophenyl)-2,2,2-trichloroethanol and 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2,2-trichloroethanol in or on raw agricultural commodities are established as follows:

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 38.0 |
| Bean, dry, seed | 0.5 |
| Bean, succulent | 3.0 |
| Butternut | 0.1 |
| Caneberry subgroup 13A | 5.0 |
| Chestnut | 0.1 |

| Commodity | Parts per million |
|---|---|
| Citrus, dried pulp | 12.0 |
| Citrus oil | 200.0 |
| Cotton, refined oil | 0.5 |
| Cotton, undelinted seed | 0.1 |
| Fruit, citrus, group 10 | 6.0 |
| Fruit, pome, group 11 | 10.0 |
| Fruit, stone, group 12 | 5.0 |
| Grape | 5.0 |
| Grape, raisin | 20.0 |
| Hazelnut | 0.1 |
| Hop, dried cones | 65.0 |
| Nut, hickory | 0.1 |
| Nut, macadamia | 0.1 |
| Pecan | 0.1 |
| Peppermint, oil | 30.0 |
| Peppermint, tops | 25.0 |
| Spearmint, oil | 30.0 |
| Spearmint, tops | 25.0 |
| Strawberry | 10.0 |
| Tea, dried | 50.0 |
| Tea, plucked leaves | 30.0 |
| Vegetable, cucurbit, group 9 | 2.0 |
| Vegetable, fruiting, group 8 | 2.0 |
| Walnut | 0.1 |

(2) Tolerances for the combined residues of the insecticide dicofol, 1,1-bis(4-chlorophenyl)-2,2,2-trichloroethanol, 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2,2-trichloroethanol, 1,1-bis(4-chlorophenyl)-2,2-dichloroethanol, and 1-(2-chlorophenyl)-1-(4-chlorophenyl)-2,2-dichloroethanol in or on raw agricultural commodities are established as follows:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 50.0 |
| Cattle, liver | 5.0 |
| Cattle, meat | 3.0 |
| Cattle, meat byproducts, except liver | 3.0 |
| Egg | 0.05 |
| Goat, fat | 50.0 |
| Goat, liver | 5.0 |
| Goat, meat | 3.0 |
| Goat, meat byproducts, except liver | 3.0 |
| Hog, fat | 50.0 |
| Hog, liver | 5.0 |
| Hog, meat | 3.0 |
| Hog, meat byproducts, except liver | 3.0 |
| Horse, fat | 50.0 |
| Horse, liver | 5.0 |
| Horse, meat | 3.0 |
| Horse, meat byproducts, except liver | 3.0 |
| Milk, fat (reflecting 0.75 ppm in whole milk) | 22.0 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Sheep, fat | 50.0 |
| Sheep, liver | 5.0 |
| Sheep, meat | 3.0 |
| Sheep, meat byproducts, except liver | 3.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 34826, June 26, 1998, as amended at 72 FR 35665, June 29, 2007; 72 FR 41928, Aug. 1, 2007]

## § 180.169 Carbaryl; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide carbaryl, 1-naphthyl *N*-methylcarbamate *per se*, in or on the following food commodities:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Alfalfa, forage | 50 | None |
| Alfalfa, hay | 75 | None |
| Almond, hulls | 50 | None |
| Apple, wet pomace | 15 | None |
| Asparagus | 15 | None |
| Banana | 5.0 | None |
| Beet, sugar, roots | 0.5 | None |
| Beet, sugar, tops | 25 | None |
| Bushberry subgroup 13-07B | 3.0 | None |
| Cabbage | 21 | None |
| Cactus, fruit | 5.0 | None |
| Cactus, pads | 12 | None |
| Caneberry subgroup 13-07A | 12.0 | None |
| Citrus, oil | 20 | None |
| Clover, forage | 50 | None |
| Clover, hay | 70 | None |
| Corn, field, forage | 30 | None |
| Corn, field, grain | 0.02 | None |
| Corn, field, stover | 20 | None |
| Corn, pop, grain | 0.02 | None |
| Corn, pop, stover | 20 | None |
| Corn, sweet, forage | 185 | None |
| Corn, sweet, kernel plus cob with husks removed | 0.1 | None |
| Corn, sweet, stover | 215 | None |
| Cotton, undelinted seed | 5.0 | 10/31/09 |
| Cranberry | 3.0 | None |
| Dandelion, leaves | 22 | None |
| Endive | 10 | None |
| Flax, seed | 0.5 | None |
| Fruit, citrus, group 10 | 10 | None |
| Fruit, pome, group 11 | 12 | None |
| Fruit, stone, group 12 | 10 | None |
| Grain, aspirated fractions | 70 | None |
| Grape | 10 | None |
| Grape, raisin | 12 | None |
| Grass, forage | 100 | None |
| Grass, hay | 15 | None |
| Leaf petiole subgroup 4B | 3.0 | None |
| Lettuce | 10 | None |
| Millet, proso, grain | 1.0 | None |
| Millet, proso, straw | 20 | None |
| Nut, tree group 14, except walnut | 0.1 | None |
| Okra | 4.0 | None |
| Olive | 10 | None |
| Oyster | 0.25 | None |
| Parsley, leaves | 22 | None |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 1.0 | None |
| Peanut | 0.05 | None |
| Peanut, hay | 20 | None |
| Pineapple | 2.0 | None |
| Pistachio | 0.1 | None |
| Rice, grain | 15 | None |
| Rice, hulls | 30 | None |

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Rice, straw | 60 | None |
| Sorghum grain, forage | 30 | None |
| Sorghum grain, grain | 10 | None |
| Sorghum grain, stover | 30 | None |
| Soybean, forage | 15 | None |
| Soybean, hay | 15 | None |
| Soybean, seed | 0.5 | None |
| Spinach | 22 | None |
| Strawberry | 4.0 | None |
| Sunflower, seed | 0.5 | None |
| Sweet potato, roots | 0.2 | None |
| Trefoil, forage | 15 | None |
| Trefoil, hay | 25 | None |
| Vegetable, brassica, leafy, group 5, except cabbage | 10 | None |
| Vegetable, cucurbit, group 9 | 3.0 | None |
| Vegetable, foliage of legume, subgroup 7A, except soybean | 60 | None |
| Vegetable, fruiting, group 8 | 5.0 | None |
| Vegetable, leaves of root and tuber, group 2, except sugar beet tops | 75 | None |
| Vegetable, legume, edible podded, subgroup 6A | 10 | None |
| Vegetable, root and tuber, group 1, except sugar beet and sweet potato | 2.0 | None |
| Walnut | 1.0 | None |
| Wheat, forage | 30 | None |
| Wheat, grain | 1.0 | None |
| Wheat, hay | 30 | None |
| Wheat, straw | 20 | None |

(2) Tolerances are established for residues of the insecticide carbaryl, 1-naphthyl *N*-methylcarbamate, including its metabolites: 1-naphthol (naphthyl-sulfate); 5,6-dihydrodihydroxycarbaryl; and 5,6-dihydrodihydroxy naphthol, calculated as 1-naphthyl *N*-methylcarbamate and the free and conjugated residues of carbaryl: 5,6-dihydro-5,6-dihydroxy carbaryl and 5-methoxy-6-hydroxy carbaryl, in or on the following food commodities:

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Cattle, fat | 0.5 | None |
| Cattle, meat | 1.0 | None |
| Cattle, meat byproducts | 3.0 | None |
| Egg | 0.5 | 10/31/09 |
| Goat, fat | 0.5 | None |
| Goat, meat | 1.0 | None |
| Goat, meat byproducts | 3.0 | None |
| Hog, fat | 0.5 | None |
| Hog, meat | 1.0 | None |
| Hog, meat byproducts | 3.0 | None |
| Horse, fat | 0.5 | None |
| Horse, meat | 1.0 | None |
| Horse, meat byproducts | 3.0 | None |
| Milk | 1.0 | None |
| Poultry, fat | 5.0 | 10/31/09 |
| Poultry, meat | 5.0 | 10/31/09 |
| Sheep, fat | 0.5 | None |
| Sheep, meat | 1.0 | None |
| Sheep, meat byproducts | 3.0 | None |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations, as defined in § 180.1(l), are established for residues of the insecticide carbaryl, 1-naphthyl *N*-methylcarbamate *per se*, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Dillweed, fresh leaves | 0.2 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33695, May 24, 2000, as amended at 66 FR 38955, July 26, 2001; 67 FR 49615, July 31, 2002; 70 FR 44492, Aug. 3, 2005; 73 FR 52611, Sept. 10, 2008; 74 FR 10490, Mar. 11, 2009]

## § 180.172 Dodine; tolerances for residues.

(a) *General.* Tolerances are established for the fungicide dodine (n-dodecylguanidine acetate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Apple | 5.0 |
| Apple, wet pomace | 15.0 |
| Banana | 0.50 |
| Cherry, sweet | 3.0 |
| Cherry, tart | 3.0 |
| Peach | 5.0 |
| Peanut | 0.013 |
| Pear | 5.0 |
| Pecan | 0.3 |
| Strawberry | 5.0 |
| Walnut | 0.3 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 52017, Sept. 12, 2007, as amended at 73 FR 45634, Aug. 6, 2008]

## § 180.173 Ethion; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide ethion (*O*,*O*,*O′*,*O′*-tetraethyl *S*,*S″*-methylene bisphosphorodithioate) including its oxygen analog (*S*-[[(diethoxyphosphinothioyl)thio] methyl] *O*,*O*- diethyl phosphorothioate) in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Cattle, fat | 0.2 | 10/1/08 |
| Cattle, meat | 0.2 | 10/1/08 |
| Cattle, meat byproducts | 0.2 | 10/1/08 |
| Citrus, dried pulp | 25.0 | 10/1/08 |
| Fruit, citrus, group 10 | 5.0 | 10/1/08 |
| Goat, fat | 0.2 | 10/1/08 |
| Goat, meat | 0.2 | 10/1/08 |
| Goat, meat byproducts | 0.2 | 10/1/08 |
| Hog, fat | 0.2 | 10/1/08 |
| Hog, meat | 0.2 | 10/1/08 |
| Hog, meat byproducts | 0.2 | 10/1/08 |
| Horse, fat | 0.2 | 10/1/08 |
| Horse, meat | 0.2 | 10/1/08 |
| Horse, meat byproducts | 0.2 | 10/1/08 |
| Milk, fat, reflecting negligible residues in milk | 0.5 | 10/1/08 |
| Sheep, fat | 0.2 | 10/1/08 |
| Sheep, meat | 0.2 | 10/1/08 |
| Sheep, meat byproducts | 0.2 | 10/1/08 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.*[Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 42739, Sept. 29, 1982, as amended at 63 FR 2165, Jan. 14, 1998; 63 FR 57073, Oct. 26, 1998; 67 FR 49615, July 31, 2002; 69 FR 43924, July 23, 2004]

### § 180.175 Maleic hydrazide; tolerances for residues.

(a) *General.* (1) Tolerances for residues of the herbicide and plant regulator maleic hydrazide (1,2-dihydro-3,6-pyridazinedione) are established in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Onion, bulb | 15.0 |
| Potato | 50.0 |

(2) A food additive known as maleic hydrazide (1,2-dihydro-3,6-pyridazinedione) may be present in potato, chips when used in accordance with the following conditions:

(i) The food additive is present as a result of the application of a pesticide formulation containing maleic hydrazide to the growing potato plant in accordance with directions registered by the U.S. Environmental Protection Agency.

(ii) The label of the pesticide formulation containing the food additive conforms to labeling registered by the U.S. Environmental Protection Agency.

(iii) The food additive is present in an amount not to exceed 160 parts per million by weight of the finished food.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 64293, Dec. 5, 1997, as amended at 64 FR 11792, Mar. 10, 1999; 67 FR 35048, May 17, 2002]

### § 180.176 Mancozeb; tolerances for residues.

(a) *General.* Tolerances are established for residues of mancozeb (a coordination product of zinc ion and maneb (manganese ethylenebisdithiocarbamate)), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those mancozeb residues convertible to and expressed in terms of the degradate carbon disulfide.

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Almond, hulls | 4 |
| Apple | 7 |
| Asparagus (negligible residue) | 0.1 |
| Atemoya | 3.0 |
| Banana | 4.0 |
| Banana, pulp | 0.5 |
| Barley, bran | 20 |
| Barley, flour | 20 |
| Barley, grain | 5 |
| Barley, pearled barley | 20 |
| Barley, straw | 25 |
| Beet, sugar, roots | 2 |
| Beet, sugar, tops | 65 |
| Broccoli | 7 |
| Cabbage | 9 |
| Canistel | 15.0 |
| Carrot, roots | 2 |
| Cattle, kidney | 0.5 |
| Cattle, liver | 0.5 |
| Celery | 5 |
| Cherimoya | 3.0 |
| Corn, field, forage | 5 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 5 |
| Corn, pop, grain | 0.5 |
| Corn, pop, stover | 5 |
| Corn, sweet, forage | 5 |
| Corn, sweet, kernel plus cob with husks removed | 0.5 |
| Corn, sweet, stover | 5 |
| Cotton, undelinted seed | 0.5 |
| Crabapple | 10 |
| Cranberry | 7 |

| Commodity | Parts per million |
|---|---|
| Custard apple | 3.0 |
| Fennel | 10 |
| Ginseng | 1.2 |
| Goat, kidney | 0.5 |
| Goat, liver | 0.5 |
| Grape | 7 |
| Hog, kidney | 0.5 |
| Hog, liver | 0.5 |
| Horse, kidney | 0.5 |
| Horse, liver | 0.5 |
| Lettuce, head | 3.5 |
| Lettuce, leaf | 18 |
| Mango | 15.0 |
| Oat, bran | 20 |
| Oat, flour | 20 |
| Oat, grain | 5 |
| Oat, groats/rolled oats | 20 |
| Oat, straw | 25 |
| Onion, bulb | 0.5 |
| Papaya (whole fruit with no residue present in the edible pulp after the peel is removed and discarded) | 10 |
| Peanut | 0.5 |
| Peanut, hay | 65 |
| Pear | 10 |
| Pepper | 12 |
| Poultry, kidney | 0.5 |
| Poultry, liver | 0.5 |
| Quince | 10 |
| Rye, bran | 20 |
| Rye, grain | 5 |
| Rye, straw | 25 |
| Sapodilla | 15.0 |
| Sapote, mamey | 15.0 |
| Sapote, white | 15.0 |
| Sheep, kidney | 0.5 |
| Sheep, liver | 0.5 |
| Star apple | 15.0 |
| Sugar apple | 3.0 |
| Tomato | 4 |
| Vegetable, cucurbit, group 9 | 2.0 |
| Wheat, bran | 20 |
| Wheat, flour | 20 |
| Wheat, germ | 20 |
| Wheat, grain | 5 |
| Wheat, middlings | 20 |
| Wheat, shorts | 20 |
| Wheat, straw | 25 |

(b) *Section 18 emergency exemptions.* Time limited tolerances are established in connection with use of the pesticide under a section 18 emergency exemption granted by EPA for residues of mancozeb (a coordination product of zinc ion and maneb (manganese ethylenebisdithiocarbamate)), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those mancozeb residues convertible to and expressed in terms of the degradate carbon disulfide. The tolerances will expire and are revoked on the dates specified in the following table.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Ginseng | 2.0 | 12/31/10 |
| Walnut | 0.015 | 12/31/13 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33708, May 24, 2000, as amended at 65 FR 49924, Aug. 16, 2000; 66 FR 64773, Dec. 14, 2001; 68 FR 2247, Jan. 16, 2003; 69 FR 29458, May 24, 2004; 71 FR 76199, Dec. 20, 2006; 74 FR 46372, Sept. 9, 2009; 75 FR 770, Jan. 6, 2010; 75 FR 50913, Aug. 18, 2010; 76 FR 18915, Apr. 6, 2011]

## § 180.178 Ethoxyquin; tolerances for residues.

(a) *General.* A tolerance is established for residues of the plant regulator ethoxyquin (1,2-dihydro-6-ethoxy-2,2,4-trimethylquinoline) from preharvest or postharvest use in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Pear | 3 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 57073, Oct. 26, 1998]

## § 180.180 Orthoarsenic acid; tolerance for residues.

(a) *General.* A tolerance that expires on July 1, 1995, for combined $As_2O_3$ is established for residues of the defoliant orthoarsenic acid in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Cotton, undelinted seed | 4 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39439, July 1, 2003]

### § 180.181 Chlorpropham; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the plant regulator and herbicide chlorpropham (isopropyl m-chlorocarbanilate (CIPC) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Potato | 30 |
| Potato, wet peel | 40 |

(2) Tolerances are established for the combined residues of the plant regulator and herbicide chlorpropham (isopropyl m-chlorocarbanilate (CIPC) and its metabolite 4-hydroxychlorpropham-O-sulfonic acid (4-HSA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.20 |
| Cattle, kidney | 0.30 |
| Cattle, meat | 0.06 |
| Cattle, meat byproducts except kidney | 0.06 |
| Goat, fat | 0.20 |
| Goat, kidney | 0.30 |
| Goat, meat | 0.06 |
| Goat, meat byproducts except kidney | 0.06 |
| Hog, fat | 0.20 |
| Hog, kidney | 0.30 |
| Hog, meat | 0.06 |
| Hog, meat byproducts except kidney | 0.06 |
| Horse, fat | 0.20 |
| Horse, kidney | 0.30 |
| Horse, meat | 0.06 |
| Horse, meat byproducts except kidney | 0.06 |
| Milk | 0.30 |
| Sheep, fat | 0.20 |
| Sheep, kidney | 0.30 |
| Sheep, meat | 0.06 |
| Sheep, meat byproducts except kidney | 0.06 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[43 FR 52487, Nov. 13, 1978, as amended at 63 FR 57073, Oct. 26, 1998; 72 FR 37653, July 11, 2007]

### § 180.182 Endosulfan; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of the insecticide endosulfan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide (alpha and beta isomers), and its metabolite endosulfan sulfate, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3,3-dioxide, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.3 |
| Alfalfa, hay | 1.0 |
| Almond | 0.3 |
| Almond, hulls | 1.0 |
| Apple | 1.0 |
| Apple, wet pomace | 5.0 |
| Apricot | 2.0 |
| Barley, grain | 0.3 |
| Barley, straw | 0.4 |
| Bean | 2.0 |
| Blueberry | 0.3 |
| Broccoli | 3.0 |
| Brussels sprouts | 2.0 |
| Cabbage | 4.0 |
| Carrot, roots | 0.2 |
| Cattle, fat | 13.0 |
| Cattle, liver | 5.0 |
| Cattle, meat | 2.0 |
| Cattle, meat byproducts, except liver | 1.0 |
| Cauliflower | 2.0 |
| Celery | 8.0 |
| Cherry, sweet | 2.0 |
| Cherry, tart | 2.0 |
| Collards | 2.0 |
| Corn, sweet, forage | 12.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.2 |
| Corn, sweet, stover | 14.0 |
| Cotton, gin byproducts | 30.0 |
| Cotton, undelinted seed | 1.0 |
| Eggplant | 1.0 |
| Goat, fat | 13.0 |
| Goat, liver | 5.0 |
| Goat, meat | 2.0 |
| Goat, meat byproducts, except liver | 1.0 |
| Grape | 2.0 |
| Hazelnut | 0.2 |
| Hog, fat | 13.0 |
| Hog, liver | 5.0 |
| Hog, meat | 2.0 |
| Hog, meat byproducts, except liver | 1.0 |
| Horse, fat | 13.0 |
| Horse, liver | 5.0 |
| Horse, meat | 2.0 |
| Horse, meat byproducts, except liver | 1.0 |
| Kale | 2.0 |
| Lettuce, head | 11.0 |
| Lettuce, leaf | 6.0 |
| Milk, fat | 2.0 |
| Mustard greens | 2.0 |
| Mustard, seed | 0.2 |
| Nectarine | 2.0 |
| Nut, macadamia | 0.2 |
| Oat, grain | 0.3 |
| Oat, straw | 0.4 |
| Pea, succulent | 2.0 |
| Peach | 2.0 |
| Pear | 2.0 |
| Pecan | 0.2 |
| Pepper | 2.0 |
| Pineapple | 1.0 |
| Pineapple, process residue | 20.0 |
| Plum | 2.0 |
| Plum, prune | 2.0 |
| Potato | 0.2 |
| Rapeseed, seed | 0.2 |
| Rye, grain | 0.3 |

| Commodity | Parts per million |
|---|---|
| Rye, straw | 0.3 |
| Sheep, fat | 13.0 |
| Sheep, liver | 5.0 |
| Sheep, meat | 2.0 |
| Sheep, meat byproducts, except liver | 1.0 |
| Spinach | 2.0 |
| Strawberry | 2.0 |
| Sugarcane, cane | 0.5 |
| Sweet potato, roots | 0.15 |
| Tomato | 1.0 |
| Turnip, roots | 0.2 |
| Turnip, tops | 2.0 |
| Vegetable, cucurbit, group 9 | 1.0 |
| Walnut | 0.2 |
| Watercress | 2.0 |
| Wheat, grain | 0.3 |
| Wheat, straw | 0.4 |

(2) A tolerances of 24 parts per million (ppm) is established for the combined residues of the insecticide endosulfan, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide (alpha and beta isomers), and its metabolite endosulfan sulfate, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin-3,3-dioxide, in or on dried tea (reflecting less than 0.1 ppm residues in beverage tea) resulting from application of the insecticide to growing tea.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33696, May 24, 2000, as amended at 71 FR 54433, Sept. 15, 2006]

### § 180.183 Disulfoton; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide disulfoton, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorodithioate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of disulfoton, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorodithioate, and its metabolites demeton-*S*, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorothioate; disulfoton sulfoxide, *O,O*-diethyl *S*-(2-(ethylsulfinyl)ethyl) phosphorodithioate; disulfoton oxygen analog sulfoxide, *O,O*-diethyl *S*-(2-(ethylsulfinyl)ethyl) phosphorothioate, disulfoton sulfone, *O,O*-diethyl *S*-(2-(ethylsulfonyl)ethyl) phosphorodithioate; and disulfoton oxygen analog sulfone, *O,O*-diethyl *S*-(2-(ethylsulfonyl)ethyl) phosphorothioate; calculated as the stoichiometric equivalent of disulfoton, in or on the commodity.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Bean, lima | 0.75 | 12/31/13 |
| Bean, snap, succulent | 0.75 | 12/31/13 |
| Broccoli | 0.75 | 12/31/13 |
| Brussels sprouts | 0.75 | 12/31/13 |
| Cabbage | 0.75 | 12/31/13 |
| Cauliflower | 0.75 | 12/31/13 |
| Coffee, green bean | 0.2 | 6/30/14 |
| Cotton, undelinted seed | 0.75 | 12/31/13 |
| Lettuce, head | 0.75 | 12/31/14 |
| Lettuce, leaf | 2 | 12/31/14 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with regional registration is established for residues of the insecticide disulfoton, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorodithioate, including its metabolites and degradates, in or on the commodity in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of disulfoton, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorodithioate, and its metabolites demeton-*S*, *O,O*-diethyl *S*-(2-(ethylthio)ethyl) phosphorothioate; disulfoton sulfoxide, *O,O*-diethyl *S*-(2-(ethylsulfinyl)ethyl) phosphorodithioate; disulfoton oxygen analog sulfoxide, *O,O*-diethyl *S*-(2-(ethylsulfinyl)ethyl) phosphorothioate, disulfoton sulfone, *O,O*-diethyl *S*-(2-(ethylsulfonyl)ethyl) phosphorodithioate; and disulfoton oxygen analog sulfone, *O,O*-diethyl *S*-(2-(ethylsulfonyl)ethyl) phosphorothioate; calculated as the stoichiometric equivalent of disulfoton, in or on the commodity.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Asparagus | 0.1 | 12/31/13 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 2165, Jan. 14, 1998, as amended at 63 FR 57073, Oct. 26, 1998; 66 FR 38955, July 26, 2001; 67 FR 41806, June 19, 2002; 67 FR 49615, July 31, 2002; 70 FR 44492, Aug. 3, 2005; 73 FR 54960, Sept. 24, 2008; 74 FR 46697, Sept. 11, 2009; 75 FR 60240, Sept. 29, 2010]

### § 180.184 Linuron; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea) and its metabolites convertible to 3,4-dichloroaniline, calculated as linuron, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Asparagus | 7.0 |
| Carrot, roots | 1.0 |
| Cattle, fat | 0.2 |
| Cattle, kidney | 2.0 |
| Cattle, liver | 2.0 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts except kidney and liver | 0.1 |
| Celeriac | 1.0 |
| Corn, field, forage | 1.0 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 6.0 |
| Corn, sweet, forage | 1.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.25 |
| Corn, sweet, stover | 6.0 |
| Cotton, gin byproducts | 5.0 |
| Cotton, undelinted seed | 0.25 |
| Goat, fat | 0.2 |
| Goat, kidney | 2.0 |
| Goat, liver | 2.0 |
| Goat, meat | 0.1 |
| Goat, meat byproducts except kidney and liver | 0.1 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.2 |
| Horse, kidney | 2.0 |
| Horse, liver | 2.0 |
| Horse, meat | 0.1 |
| Horse, meat byproducts except kidney and liver | 0.1 |
| Milk | 0.05 |
| Parsnip, roots | 0.05 |
| Parsnip, tops | 0.05 |
| Rhubarb | 0.5 |
| Sheep, fat | 0.2 |
| Sheep, kidney | 2.0 |
| Sheep, liver | 2.0 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts except kidney and liver | 0.1 |
| Sorghum, grain, forage | 1.0 |
| Sorghum, grain, grain | 0.25 |
| Sorghum, grain, stover | 1.0 |
| Soybean, seed | 1.0 |
| Soybean, vegetable | 1.0 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances specified in the following table are established for combined residues of the herbicide linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea) and its metabolites convertible to 3,4-dichloroaniline, calculated as linuron, in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FIFRA section 18 emergency exemptions. The tolerance expires and is revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Lentil | 0.1 | 12/31/2011 |

(c) *Tolerances with regional registrations.* Tolerances with regional registrations, as defined in § 180.1(l), are established for the combined residues of the herbicide linuron (3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea) and its metabolites convertible to 3,4-dichloroaniline, calculated as linuron, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Celery | 0.5 |
| Parsley, leaves | 0.25 |
| Potato | 0.2 |
| Wheat, forage | 0.5 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.5 |
| Wheat, straw | 2.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 41822, Aug. 2, 1999, as amended at 72 FR 37653, July 11, 2007; 73 FR 51727, Sept. 5, 2008]

### § 180.185 DCPA; tolerances for residues.

(a) *General.* Tolerances for the combined residues of the herbicide dimethyl tetrachloroterephthalate (DCPA) and its metabolites monomethyltetrachloroterephthalate (MTP) and tetrachloroterephthalic acid (TCP) (calculated as dimethyl tetrachloroterephthalate) are established in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cantaloupe | 1.0 |
| Garlic | 1.0 |

| Commodity | Parts per million |
|---|---|
| Ginseng | 2.0 |
| Horseradish | 2.0 |
| Muskmelon | 1.0 |
| Onion, bulb | 1.0 |
| Onion, green | 1.0 |
| Strawberry | 2.0 |
| Tomato | 1.0 |
| Vegetable, brassica, leafy, group 5 | 5.0 |
| Watermelon | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for the combined inadvertent residues of the herbicide dimethyl tetrachloroterephthalate (DCPA) and its metabolites monomethyl tetrachloroterephthalate acid (MTP) and terachlorophthalic acid (TCP) (calculated as DCPA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Radish, roots | 2.0 |
| Radish, tops | 15.0 |

(d) *Indirect or inadvertent residues.* Tolerances are established for the combined indirect or inadvertent residues of the herbicide dimethyl tetrachloroterephthalate (DCPA) and its metabolites monomethyl tetrachloroterephthalate acid (MTP) and terachlorophthalic acid (TCP) (calculated as DCPA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Basil, dried leaves | 20.0 |
| Basil, fresh leaves | 5.0 |
| Bean, dry | 2.0 |
| Bean, mung, seed | 2.0 |
| Bean, snap, succulent | 2.0 |
| Celeriac | 2.0 |
| Chicory, roots | 2.0 |
| Chicory, tops | 5.0 |
| Chive | 5.0 |
| Coriander, leaves | 5.0 |
| Corn, field, forage | 0.4 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.4 |
| Corn, pop, forage | 0.4 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 0.4 |
| Corn, sweet, forage | 0.4 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.4 |
| Cotton, undelinted seed | 0.2 |
| Cucumber | 1.0 |
| Dill | 5.0 |
| Eggplant | 1.0 |
| Lettuce | 2.0 |
| Marjoram | 5.0 |
| Parsley, dried leaves | 20.0 |
| Parsley, leaves | 5.0 |
| Pea, blackeyed, seed | 2.0 |
| Pepper | 2.0 |
| Pimento | 2.0 |
| Potato | 2.0 |
| Radicchio | 5.0 |
| Radish, oriental, roots | 2.0 |
| Radish, oriental, tops | 2.0 |
| Rutabaga | 2.0 |
| Soybean | 2.0 |
| Squash, summer | 1.0 |
| Squash, winter | 1.0 |
| Sweet potato | 2.0 |
| Turnip, roots | 2.0 |
| Turnip, tops | 5.0 |
| Yam, true, tuber | 2.0 |

[72 FR 52018, Sept. 12, 2007, as amended at 73 FR 53737, Sept. 17, 2008; 73 FR 80302, Dec. 31, 2008; 74 FR 14744, Apr. 1, 2009]

## § 180.189 Coumaphos; tolerances for residues.

(a) *General.* Tolerances for residues of the insecticide coumaphos (*O,O*-diethyl *O*-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphorothioate and its oxygen analog (*O,O*-diethyl *O*-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl phosphate) in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 1.0 |
| Cattle, meat | 1.0 |
| Cattle, meat byproducts | 1.0 |
| Goat, fat | 1.0 |
| Goat, meat | 1.0 |
| Goat, meat byproducts | 1.0 |
| Hog, fat | 1.0 |
| Hog, meat | 1.0 |
| Hog, meat byproducts | 1.0 |
| Honey | 0.15 |
| Honeycomb | 45.0 |
| Horse, fat | 1.0 |
| Horse, meat | 1.0 |
| Horse, meat byproducts | 1.0 |
| Milk, fat (=n in whole milk) | 0.5 |
| Sheep, fat | 1.0 |
| Sheep, meat | 1.0 |
| Sheep, meat byproducts | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 39077, July 21, 1999, as amended at 65 FR 49936, Aug. 16, 2000; 67 FR 46883, July 17, 2002; 69 FR 29458, May 24, 2004; 72 FR 28876, May 23, 2007]

### § 180.190 Diphenylamine; tolerances for residues.

(a) *General.* Tolerances for residues of the plant regulator diphenylamine are established in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 30.0 |
| Apple from preharvest or postharvest use, including use of impregnated wraps | 10.0 |
| Cattle, fat | 0.01 |
| Cattle, liver | 0.1 |
| Cattle, meat byproducts, except liver | 0.01 |
| Cattle, meat | 0.01 |
| Goat, fat | 0.01 |
| Goat, liver | 0.1 |
| Goat, meat byproducts, except liver | 0.01 |
| Goat, meat | 0.01 |
| Horse, fat | 0.01 |
| Horse, liver | 0.1 |
| Horse, meat byproducts, except liver | 0.01 |
| Horse, meat | 0.01 |
| Milk | 0.01 |
| Pear (post harvest) | 5.0 |
| Sheep, fat | 0.01 |
| Sheep, liver | 0.1 |
| Sheep, meat byproducts, except liver | 0.01 |
| Sheep, meat | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 25848, May 13, 1999, as amended at 66 FR 63198, Dec. 5, 2001; 72 FR 16283, Apr. 4, 2007; 76 FR 34885, June 15, 2011]

### § 180.191 Folpet; tolerances for residues.

(a) *General.* Tolerances are established for the fungicide folpet (*N*-(trichloromethylthio)phthalimide) in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Apple [1] | 5.0 |
| Cranberry [1] | 15.0 |
| Cucumber [1] | 2.0 |
| Grape [1] | 50.0 |
| Grape, raisin [1] | 80.0 |
| Hop, dried cones | 120.0 |
| Lettuce [1] | 50.0 |
| Melon [1] | 3.0 |
| Onion,bulb [1] | 2.0 |
| Strawberry [1] | 5.0 |
| Tomato [1] | 25.0 |

[1] No U.S. registrations.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations as defined in § 180.1(l) are established for the fungicide folpet (*N*-(trichloromethylthio)phthalimide) in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Avocado | 25.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[61 FR 37222, July 17, 1996, as amended at 68 FR 10388, Mar. 5, 2003; 69 FR 52192, Aug. 25, 2004; 72 FR 41928, Aug. 1, 2007]

### § 180.198 Trichlorfon; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide trichlorfon (dimethyl (2,2,2-trichloro-1-hydroxyethyl) phosphonate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat [1] | 0.5 |
| Cattle, meat [1] | 0.2 |
| Cattle, meat byproducts [1] | 0.1 |

[1] There are no U.S. registrations for cattle commodities as of June 24, 1999.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 54578, Sept. 26, 2007]

### § 180.200 Dicloran; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the fungicide dicloran, 2,6-dichloro-4-nitroaniline, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring

only dicloran, 2,6-dichloro-4-nitroaniline, in or on the commodity. Unless otherwise specified, the tolerances prescribed in this paragraph provide for residues from preharvest application only.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Apricot, postharvest | 20 | None |
| Bean, snap, succulent | 20 | None |
| Carrot, roots, postharvest | 10 | 11/2/11 |
| Celery | 15 | None |
| Cherry, sweet, postharvest | 20 | None |
| Cucumber | 5 | None |
| Endive | 10 | None |
| Garlic | 5 | None |
| Grape | 10 | None |
| Lettuce | 10 | None |
| Nectarine, postharvest | 20 | None |
| Onion | 10 | None |
| Peach, postharvest | 20 | None |
| Plum, prune, fresh, postharvest | 15 | None |
| Potato | 0.25 | None |
| Rhubarb | 10 | None |
| Sweet potato, postharvest | 10 | None |
| Tomato | 5 | None |

(2) Unless otherwise specified, these tolerances prescribed in this section provide for residues from preharvest application only.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[46 FR 27938, May 22, 1981, as amended at 63 FR 162, Jan. 5, 1998; 63 FR 57073, Oct. 26, 1998; 64 FR 13096, Mar. 17, 1999; 67 FR 35048, May 17, 2002; 75 FR 60241, Sept. 29, 2010]

## § 180.202 *p*-Chlorophenoxyacetic acid; tolerances for residues.

(a) *General.* A tolerance is established for the combined residues of the plant regulator *p*-chlorophenoxyacetic acid and its metabolite *p*-chlorophenol to inhibit embryonic root development in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Bean, mung, sprouts | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39439, July 1, 2003, as amended at 71 FR 56398, Sept. 27, 2006]

## § 180.204 Dimethoate; tolerances for residues.

(a) *General.* Tolerances are established for total residues of the insecticide dimethoate (*O*,*O*-dimethyl *S*-(*N*-methylcarbamoylmethyl) phosphorodithioate) including its oxygen analog (*O*,*O*-dimethyl *S*-(*N*-methylcarbamoylmethyl) phosphorothioate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 2.0 |
| Alfalfa, hay | 2.0 |
| Bean, dry, seed | 2.0 |
| Bean, lima | 2.0 |
| Bean, snap, succulent | 2.0 |
| Blueberry [1] | 1.0 |
| Broccoli | 2.0 |
| Cattle, meat byproducts | 0.02 |
| Cauliflower | 2.0 |
| Celery | 2.0 |
| Citrus, dried pulp | 5.0 |
| Corn, field, forage | 1.0 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 1.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 1.0 |
| Corn, sweet, forage | 1.0 |
| Cotton, undelinted seed | 0.1 |
| Egg | 0.02 |
| Endive | 2.0 |
| Goat, meat byproducts | 0.02 |
| Grapefruit | 2.0 |
| Hog, meat byproducts | 0.02 |
| Horse, meat byproducts | 0.02 |
| Kale | 2.0 |
| Lemon | 2.0 |
| Lettuce, leaf | 2.0 |
| Melon | 1.0 |
| Milk | 0.002 |
| Mustard greens | 2.0 |
| Orange | 2.0 |
| Pea | 2.0 |
| Pear | 2.0 |
| Pecan | 0.1 |
| Pepper | 2.0 |
| Potato | 0.2 |
| Poultry, meat byproducts | 0.02 |
| Safflower, seed | 0.1 |
| Sheep, meat byproducts | 0.02 |
| Sorghum, grain, forage | 0.1 |
| Sorghum, grain, grain | 0.1 |
| Sorghum, grain, stover | 0.1 |
| Soybean, forage | 2.0 |
| Soybean, hay | 2.0 |
| Soybean, seed | 0.05 |
| Swiss chard | 2.0 |
| Tangerine | 2.0 |
| Tomato | 2.0 |
| Turnip, roots | 0.2 |
| Turnip, tops | 2.0 |
| Wheat, forage | 2.0 |
| Wheat, grain | 0.04 |

| Commodity | Parts per million |
|---|---|
| Wheat, hay | 2.0 |
| Wheat, straw | 2.0 |

[1] There are U.S. registrations as of August 16, 1996.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for total residues of dimethoate including its oxygen analog in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.15 |
| Brussels sprouts | 5.0 |
| Cherry, sweet | 2.0 |
| Cherry, tart | 2.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33697, May 24, 2000, as amended at 69 FR 6567, Feb. 11, 2004; 73 FR 53737, Sept. 17, 2008]

## § 180.205 Paraquat; tolerances for residues.

(a) *General.* Tolerances are established for residues of the desiccant, defoliant, and herbicide paraquat (1,1′-dimethyl-4,4′-bipyridinium-ion) derived from application of either the bis(methyl sulfate) or the dichloride salt (both calculated as the cation) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.05 |
| Almond, hulls | 0.5 |
| Animal feed, nongrass, group 18, forage | 75.0 |
| Animal feed, nongrass, group 18, hay | 210.0 |
| Artichoke, globe | 0.05 |
| Asparagus | 0.5 |
| Avocado | 0.05 |
| Banana | 0.05 |
| Barley, grain | 0.05 |
| Barley, hay | 3.5 |
| Barley, straw | 1.0 |
| Beet, sugar, roots | 0.5 |
| Beet, sugar, tops | 0.05 |
| Berry group 13 | 0.05 |
| Cacao bean, bean | 0.05 |
| Carrot, roots | 0.05 |
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.5 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Coffee, bean, green | 0.05 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 10.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 10.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cotton, gin byproducts | 110.0 |
| Cotton, undelinted seed | 3.5 |
| Cowpea, forage | 0.1 |
| Cowpea, hay | 0.4 |
| Cranberry | 0.05 |
| Egg | 0.01 |
| Endive | 0.05 |
| Fig | 0.05 |
| Fruit, citrus, group 10 | 0.05 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Ginger | 0.1 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.5 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except kidney | 0.05 |
| Grain, aspirated fractions | 65.0 |
| Grape | 0.05 |
| Grass, forage | 90.0 |
| Grass, hay | 40.0 |
| Guar, seed | 0.5 |
| Guava | 0.05 |
| Hog, fat | 0.05 |
| Hog, kidney | 0.5 |
| Hog, meat | 0.05 |
| Hog, meat byproducts, except kidney | 0.05 |
| Hop, dried cones | 0.5 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.5 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except kidney | 0.05 |
| Kiwifruit | 0.05 |
| Lentil, seed | 0.3 |
| Lettuce | 0.05 |
| Milk | 0.01 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.05 |
| Olive | 0.05 |
| Onion, bulb | 0.1 |
| Onion, green | 0.05 |
| Papaya | 0.05 |
| Passionfruit | 0.2 |
| Pea and bean, dried shelled, except soybean, subgroup 6C, except guar bean | 0.3 |
| Pea and bean, succulent shelled, subgroup 6B | 0.05 |
| Pea, field, hay | 0.8 |
| Pea, field, vines | 0.2 |
| Peanut | 0.05 |
| Peanut, hay | 0.5 |
| Peppermint, tops | 0.5 |
| Persimmon | 0.05 |
| Pineapple | 0.05 |
| Pineapple, process residue | 0.25 |
| Pistachio | 0.05 |
| Potato | 0.5 |
| Rhubarb | 0.05 |
| Rice, grain | 0.05 |
| Rice, straw | 0.06 |
| Safflower, seed | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.5 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Sorghum, forage, forage | 0.1 |
| Sorghum, grain, forage | 0.1 |
| Sorghum, grain, grain | 0.05 |
| Soybean, forage | 0.4 |
| Soybean, hay | 10.0 |
| Soybean, hulls | 4.5 |

| Commodity | Parts per million |
|---|---|
| Soybean, seed | 0.7 |
| Spearmint, tops | 0.5 |
| Strawberry | 0.25 |
| Sugarcane, cane | 0.5 |
| Sugarcane, molasses | 3.0 |
| Sunflower, seed | 2.0 |
| Turnip, greens | 0.05 |
| Turnip, roots | 0.05 |
| Vegetable, brassica, leafy, group 5 | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, legume, edible podded, subgroup 6A | 0.05 |
| Wheat, forage | 0.5 |
| Wheat, grain | 1.1 |
| Wheat, hay | 3.5 |
| Wheat, straw | 50.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration as defined in § 180.1(l), are established for residues of the pesticide paraquat (1,1′-dimethyl-4,4′ bipyridinium ion) derived from application of either the bis(methyl sulfate) or the dichloride salt (both calculated as the cation) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cassava | 0.05 |
| Pea, pigeon, seed | 0.05 |
| Tanier | 0.05 |
| Taro, corm | 0.1 |
| Tyfon | 0.05 |
| Yam, true, tuber | 0.05 |

(d) *Indirect or inadvertent residues.* [Reserved]

[46 FR 51614, Oct. 21, 1981]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.205, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.206 Phorate; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide phorate (*O*,*O*-diethyl *S* (ethylthio) methyl]phosphorodithioate), phorate sulfoxide, phorate sulfone, phorate oxygen analog, phorate oxygen analog sulfoxide, and phorate oxygen analog sulfone in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.05 |
| Bean, succulent | 0.05 |
| Beet, sugar, roots | 0.3 |
| Beet, sugar, tops | 3.0 |
| Coffee, green bean [1] | 0.02 |
| Corn, field, forage | 0.5 |
| Corn, field, grain | 0.05 |
| Corn, sweet, forage | 0.5 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Hop, dried cones | 2.0 |
| Peanut | 0.1 |
| Potato | 0.2 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.1 |
| Soybean, seed | 0.05 |
| Sugarcane, cane | 0.05 |
| Wheat, forage | 1.5 |
| Wheat, grain | 0.05 |
| Wheat, hay | 1.5 |
| Wheat, straw | 0.05 |

[1] There are no U.S. registrations as of September 1, 1993 for the use of phorate on the growing crop, coffee.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[58 FR 62038, Nov. 24, 1993, as amended at 63 FR 2165, Jan. 14, 1998; 63 FR 57074, Oct. 26, 1998; 66 FR 50833, Oct. 5, 2001; 67 FR 49616, July 31, 2002; 71 FR 74816, Dec. 13, 2006; 73 FR 53738, Sept. 17, 2008]

## § 180.207 Trifluralin; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide and plant growth regulator trifluralin, alpha, alpha, alpha-trifluoro-2,6-dinitro-*N*,*N*-dipropyl-*p*-toluidine, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.0 |
| Alfalfa, hay | 2.0 |
| Almond, hulls | 0.05 |
| Asparagus | 0.05 |
| Barley, grain | 0.05 |
| Barley, hay | 0.05 |
| Barley, straw | 0.05 |
| Bean, mung, sprouts | 2.0 |
| Carrot, roots | 1.0 |
| Celery | 0.05 |
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.05 |
| Cotton, gin byproducts | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Endive | 0.05 |
| Flax, seed | 0.05 |

| Commodity | Parts per million |
|---|---|
| Fruit, citrus, group 10 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Grape | 0.05 |
| Hop, dried cones | 0.05 |
| Mustard, seed | 0.05 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.05 |
| Peanut | 0.05 |
| Peanut, hay | 0.05 |
| Peppermint, oil | 2.0 |
| Peppermint, tops | 0.05 |
| Rapeseed, seed | 0.05 |
| Safflower, seed | 0.05 |
| Sorghum, grain, forage | 0.05 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.05 |
| Spearmint, oil | 2.0 |
| Spearmint, tops | 0.05 |
| Sugarcane, cane | 0.05 |
| Sunflower, seed | 0.05 |
| Vegetable, brassica, leafy group 5 | 0.05 |
| Vegetable, bulb, group 3 | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, foliage of legume, group 7 | 0.05 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, leaves of root and tuber, group 2 | 0.05 |
| Vegetable, legume, group 6 | 0.05 |
| Vegetable, root and tuber, group 1, except carrot | 0.05 |
| Wheat, grain | 0.05 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[45 FR 42619, June 25, 1980, as amended at 45 FR 56346, Aug. 25, 1980; 45 FR 86493, Dec. 31, 1980; 46 FR 37250, July 20, 1981; 47 FR 13524, Mar. 31, 1982; 47 FR 20309, May 12, 1982; 63 FR 57074, Oct. 26, 1998; 64 FR 39082, July 21, 1999; 70 FR 21643, Apr. 27, 2005; 71 FR 54433, Sept. 15, 2006]

### § 180.208 Benfluralin; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide benfluralin, *N*-butyl-*N*-ethyl-ααα-trifluoro-2,6-dinitro-*p*-toluidine, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.05 |
| Alfalfa, hay | 0.05 |
| Clover, forage | 0.05 |
| Clover, hay | 0.05 |
| Lettuce | 0.05 |
| Trefoil, forage | 0.05 |
| Trefoil, hay | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 39439, July 1, 2003, as amended at 73 FR 52613, Sept. 10, 2008]

### § 180.209 Terbacil; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the herbicide terbacil, (3-tert-butyl-5-chloro-6-methyluracil) and its metabolites [3-tert-butyl-5-chloro-6-hydroxymethyluracil], [6-chloro-2,3-dihydro-7-hydroxymethyl 3,3-dimethyl-5H-oxazolo(3,2-a) pyrimidin-5-one], and [6-chloro-2,3-dihydro-3,3,7-trimethyl-5H-oxazolo(3,2-a) pyrimidin-5-one], calculated as terbacil, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 1.0 |
| Alfalfa, hay | 2.0 |
| Apple | 0.3 |
| Asparagus | 0.4 |
| Blueberry | 0.2 |
| Caneberry subgroup 13A | 0.2 |
| Peach | 0.2 |
| Peppermint, tops | 2.0 |
| Spearmint, tops | 2.0 |
| Strawberry | 0.1 |
| Sugarcane, cane | 0.4 |
| Watermelon | 1.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 30818, May 31, 2006]

### § 180.210 Bromacil; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide bromacil (5-bromo-3-*sec*-butyl-6-methyluracil) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Fruit, citrus | 0.1 |
| Pineapple | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39439, July 1, 2003]

### § 180.211 Propachlor; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide propachlor (2-chloro-N-isopropylacetanilide) and its metabolites containing the N-isopropylaniline moiety, calculated as 2-chloro-N-isopropylacetanilide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.2 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.2 |
| Corn, field, stover | 1.0 |
| Corn, sweet, forage | 3.0 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.2 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney | 0.05 |
| Hog, fat | 0.02 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.2 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney | 0.05 |
| Milk | 0.02 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.2 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Sorghum, forage, forage | 8.0 |
| Sorghum, grain, forage | 8.0 |
| Sorghum, grain, grain | 0.25 |
| Sorghum, grain, stover | 12.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 25959, June 16, 1982, as amended at 47 FR 28381, June 30, 1982; 47 FR 28626, July 1, 1982; 47 FR 46701, Oct. 20, 1982; 63 FR 57074, Oct. 26, 1998; 72 FR 53454, Sept. 19, 2007]

### § 180.212 *S*-Ethyl cyclohexylethylthiocarbamate; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide *S*-ethyl cyclohexylethylthiocarbamate in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.05(N) |
| Beet, garden, tops | 0.05(N) |
| Beet, sugar, roots | 0.05(N) |
| Beet, sugar, tops | 0.05(N) |
| Spinach | 0.05(N) |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39439, July 1, 2003]

### § 180.213 Simazine; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide simazine (2-chloro-4,6-bis(ethylamino)-s-triazine) and its two chlorinated degradates (2-amino-4-chloro-6-ethylamino-s-triazine and 2,4-diamino-6-chloro-s-triazine), the total residue to be measured in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.25 |
| Almond, hulls | 0.25 |
| Apple | 0.20 |
| Avocado | 0.20 |
| Blackberry | 0.20 |
| Blueberry | 0.20 |
| Cattle, meat | 0.03 |
| Cattle, meat byproducts | 0.03 |
| Cherry | 0.25 |
| Corn, field, forage | 0.20 |
| Corn, field, grain | 0.20 |
| Corn, field, stover | 0.25 |
| Corn, pop, grain | 0.20 |
| Corn, pop, stover | 0.25 |
| Corn, sweet, forage | 0.20 |
| Corn, sweet, kernel plus cob with husks removed | 0.25 |
| Corn, sweet, stover | 0.25 |
| Cranberry | 0.25 |
| Currant | 0.25 |
| Egg | 0.03 |
| Goat, meat | 0.03 |
| Goat, meat byproducts | 0.03 |
| Grape | 0.20 |
| Grapefruit | 0.25 |
| Hazelnut | 0.20 |
| Horse, meat | 0.03 |
| Horse, meat byproducts | 0.03 |
| Lemon | 0.25 |
| Loganberry | 0.20 |
| Milk | 0.03 |
| Nut, macadamia | 0.25 |
| Olive | 0.20 |
| Orange | 0.25 |
| Peach | 0.20 |
| Pear | 0.25 |
| Pecan | 0.20 |
| Plum | 0.20 |

| Commodity | Parts per million |
|---|---|
| Raspberry | 0.20 |
| Sheep, meat | 0.03 |
| Sheep, meat byproducts | 0.03 |
| Strawberry | 0.25 |
| Walnut | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 2165, Jan. 14, 1998, as amended at 63 FR 57074, Oct. 26, 1998; 72 FR 35665, June 29, 2007; 72 FR 53454, Sept. 19, 2007]

### § 180.214 Fenthion; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide fenthion (*O,O*- dimethyl *O*-[4-(methylthio)-*m*- tolyl] phosphorothioate) and its cholinesterase-inhibiting metabolites in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Cattle, fat | 0.1 | 4/1/06 |
| Cattle, meat | 0.1 | 4/1/06 |
| Cattle, meat byproducts | 0.1 | 4/1/06 |
| Hog, fat | 0.1 | 4/1/03 |
| Hog, meat | 0.1 | 4/1/03 |
| Hog, meat byproducts | 0.1 | 4/1/03 |
| Milk | 0.01 | 4/1/03 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 86492, Dec. 31, 1980, as amended at 63 FR 57074, Oct. 26, 1998; 66 FR 50833, Oct. 5, 2001; 67 FR 49616, July 31, 2002]

### § 180.215 Naled; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide naled (1,2-dibromo-2,2-dichloro-ethyl dimethyl phosphate) and its conversion product 2,2-dichlorovinyl dimethyl phosphate, expressed as naled, resulting from the application of the pesticide to growing crops or from direct application to livestock and poultry, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.5 |
| Almond | 0.5 |
| Bean, dry, seed | 0.5 |
| Bean, succulent | 0.5 |
| Beet, sugar, roots | 0.5 |
| Beet, sugar, tops | 0.5 |
| Broccoli | 1 |
| Brussels sprouts | 1 |
| Cabbage | 1 |
| Cauliflower | 1 |
| Celery | 3 |
| Collards | 3 |
| Cotton, undelinted seed | 0.5 |
| Cucumber | 0.5 |
| Eggplant | 0.5 |
| Grape | 0.5 |
| Grapefruit | 3 |
| Grass, forage | 10 |
| Hop, dried cones | 0.5 |
| Kale | 3 |
| Legume, forage | 10 |
| Lemon | 3 |
| Lettuce | 1 |
| Melon | 0.5 |
| Orange, sweet | 3 |
| Peach | 0.5 |
| Pea, succulent | 0.5 |
| Pepper | 0.5 |
| Pumpkin | 0.5 |
| Safflower, seed | 0.5 |
| Spinach | 3 |
| Squash, summer | 0.5 |
| Squash, winter | 0.5 |
| Strawberry | 1 |
| Swiss chard | 3 |
| Tangerine | 3 |
| Tomato | 0.5 |
| Turnip, greens | 3 |
| Walnut | 0.5 |

(2) A tolerance of 0.5 part per million is established for the pesticide naled in or on all raw agricultural commodities, except those otherwise listed in this section, from use of the pesticide for area pest (mosquito and fly) control.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[42 FR 46304, Sept. 15, 1977, as amended at 54 FR 20125, May 10, 1989; 63 FR 57074, Oct. 26, 1998; 66 FR 50833, Oct. 5, 2001]

### § 180.217 Metiram; tolerances for residues.

(a) *General.* Tolerances are established for residues of a metiram (a mixture of 5.2 parts by weight of ammoniates of [ethylenebis (dithiocarbamato)] zinc with 1 part by weight ethylenebis

[dithiocarbamic acid] bimolecular and trimolecular cyclic anhydrosulfides and disulfides), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those metiram residues convertible to and expressed in terms of the degradate carbon disulfide.

| Commodity | Parts per million |
|---|---|
| Apple | 0.5 |
| Apple, pomace, wet | 2 |
| Banana [1] | 3 |
| Grape, wine [1] | 5 |
| Potato | 0.2 |

[1] There are no U.S. registrations on bananas and grape, wine as of April 29, 2011.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 57074, Oct. 26, 1998, as amended at 76 FR 23891, Apr. 29, 2011]

### § 180.220 Atrazine; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide atrazine (2-chloro-4-ethylamino-6-isopropylamino-s-triazine) and its chlorinated metabolites 2-amino-4-chloro-6-isopropylamino-s-triazine, 2-amino-4-chloro-6-ethylamino-s-triazine, and 2,4-diamino-6-chloro-s-triazine, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Corn, field, forage | 15 |
| Corn, field, grain | 0.20 |
| Corn, field, stover | 0.5 |
| Corn, pop, forage | 1.5 |
| Corn, pop, grain | 0.20 |
| Corn, pop, stover | 0.5 |
| Corn, sweet, forage | 15 |
| Corn, sweet, kernel plus cob with husks removed | 0.20 |
| Corn, sweet, stover | 2.0 |
| Goat, fat | 0.02 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Grass, forage | 4.0 |
| Grass, hay | 4.0 |
| Guava | 0.05 |
| Horse, fat | 0.02 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.02 |
| Nut, macadamia | 0.20 |
| Sheep, fat | 0.02 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.02 |
| Sorghum, forage, forage | 15 |
| Sorghum, grain forage | 15 |
| Sorghum, grain, grain | 0.20 |
| Sorghum, grain, stover | 0.50 |
| Sugarcane, cane | 0.20 |
| Wheat, forage | 1.5 |
| Wheat, grain | 0.10 |
| Wheat, hay | 5.0 |
| Wheat, straw | 0.50 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertant residues of atrazine, 2-chloro-4-ethylamino-6-isopropylamino-s-triazine, in or on the following raw agricultural commodity when present therein as a result of application of atrazine to the growing crops in paragraph (a) of this section:

| Commodity | Parts per million |
|---|---|
| Vegetable, leafy, except brassica, group 4 | 0.25 |

[43 FR 29121, July 6, 1978, as amended at 44 FR 67116, Nov. 23, 1979; 47 FR 3771, Jan. 27, 1982; 47 FR 8012, Feb. 24, 1982; 63 FR 57075, Oct. 26, 1998; 67 FR 46893, July 17, 2002; 69 FR 6567, Feb. 11, 2004; 72 FR 35666, June 29, 2007; 72 FR 53454, Sept. 19, 2007; 73 FR 37852, July 2, 2008]

### § 180.221 *O*-Ethyl *S*-phenyl ethylphosphonodithioate; tolerances for residues.

(a) *General.* Time limited tolerances are established for residues of the insecticide *O*-Ethyl *S*-phenylethylphosphonodithioate, including its oxygen analog (*O*-ethyl *S*-phenyl ethylphosphonothioate, in or on the following food commodities:

| Commodities | Parts per million | Expiration/ Revocation date |
|---|---|---|
| Asparagus | 0.5 | 12/31/02 |
| Banana | 0.1 | Do. |
| Beet, sugar, tops | 0.1 | Do. |
| Corn, field, forage | 0.1 | Do. |
| Corn, field, grain | 0.1 | Do. |

| Commodities | Parts per million | Expiration/ Revocation date |
|---|---|---|
| Corn, field, stover | 0.1 | Do. |
| Corn, pop, grain | 0.1 | Do. |
| Corn, pop, stover | 0.1 | Do. |
| Corn, sweet, forage | 0.1 | Do. |
| Corn, sweet, kernel plus cob with husks removed | 0.1 | Do. |
| Corn, sweet, stover | 0.1 | Do. |
| Peanut | 0.1 | Do. |
| Peanut, hay | 0.1 | Do. |
| Pea, field, hay | 0.1 | Do. |
| Pea, field, vines | 0.1 | Do. |
| Peppermint, tops | 0.1 | Do. |
| Plantain | 0.1 | Do. |
| Sorghum, grain, forage | 0.1 | Do. |
| Sorghum, grain, grain | 0.1 | Do. |
| Sorghum, grain, stover | 0.1 | Do. |
| Soybean, forage | 0.1 | Do. |
| Soybean, hay | 0.1 | Do. |
| Spearmint, tops | 0.1 | Do. |
| Strawberry | 0.1 | Do. |
| Sugarcane, cane | 0.1 | Do. |
| Vegetable, fruiting, group 8 | 0.1 | Do. |
| Vegetable, leafy | 0.1 | Do. |
| Vegetable, root crop | 0.1 | Do. |
| Vegetable, seed and pod | 0.1 | Do. |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 39077, July 21, 1999]

### § 180.222 Prometryn; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide prometryn (2,4-bis(isopropylamino)-6-methylthio-*s*-triazine) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Carrot, roots | 0.45 |
| Celeriac, roots | 0.05 |
| Celeriac, tops | 0.20 |
| Cilantro, leaves | 3.5 |
| Coriander, dried leaves | 9.0 |
| Cotton, gin byproducts | 1.0 |
| Cotton, undelinted seed | 0.25 |
| Leaf petioles subgroup 4B | 0.50 |
| Okra | 0.05 |
| Parsley, dried leaves | 1.5 |
| Parsley, leaves | 0.60 |
| Pea, pigeon, seed | 0.25 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional exemptions.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the herbicide prometryn (2,4-bis(isopropylamino-6-methylthio-*s*-triazine) in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Dill | 0.3 |

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the herbicide prometryn, 2,4-bis(isopropylamino)-6-methylthio-s-triazine, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, forage | 0.3 |
| Barley, hay | 1.0 |
| Barley, straw | 0.3 |
| Oat, forage | 0.3 |
| Oat, hay | 1.0 |
| Oat, straw | 0.3 |
| Rye, forage | 0.3 |
| Rye, hay | 1.0 |
| Rye, straw | 0.3 |
| Triticale, forage | 0.3 |
| Triticale, hay | 1.0 |
| Triticale, straw | 0.3 |
| Wheat, forage | 0.3 |
| Wheat, hay | 1.0 |
| Wheat, straw | 0.3 |

[43 FR 29121, July 6, 1978, as amended at 45 FR 51782, Aug. 5, 1980; 54 FR 6918, Feb. 15, 1989; 60 FR 20434, Apr. 26, 1995; 63 FR 17692, Apr. 10, 1998; 63 FR 57075, Oct. 26, 1998; 64 FR 39082, July 21, 1999; 74 FR 47456, Sept. 16, 2009; 74 FR 67108, Dec. 18, 2009; 75 FR 34885, June 15, 2011]

### § 180.225 Phosphine; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of phosphine in or on the following raw agricultural commodities (RACs) resulting from postharvest fumigation for the control of insects with phosphine gas or phosphide compounds that produce phosphine gas.

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Avocado | 0.01 |
| Banana | 0.01 |
| Barley, grain | 0.1 |
| Cabbage, Chinese, bok choy | 0.01 |
| Cabbage, Chinese, napa | 0.01 |
| Cacao bean, dried bean | 0.1 |
| Cashew | 0.1 |
| Citron, citrus | 0.01 |
| Coffee, bean, green | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, pop, grain | 0.1 |
| Cotton, undelinted seed | 0.1 |
| Date, dried fruit | 0.1 |

| Commodity | Parts per million |
|---|---|
| Dill, seed | 0.01 |
| Eggplant | 0.01 |
| Endive | 0.01 |
| Grapefruit | 0.01 |
| Hazelnut | 0.1 |
| Kumquat | 0.01 |
| Lemon | 0.01 |
| Lettuce | 0.01 |
| Lime | 0.01 |
| Mango | 0.01 |
| Millet, grain | 0.1 |
| Mushroom | 0.01 |
| Nut, brazil | 0.1 |
| Oat, grain | 0.1 |
| Okra | 0.01 |
| Orange, sweet | 0.01 |
| Papaya | 0.01 |
| Peanut | 0.1 |
| Pecan | 0.1 |
| Pepper | 0.01 |
| Persimmon | 0.01 |
| Pistachio | 0.1 |
| Rice, grain | 0.1 |
| Rye, grain | 0.1 |
| Safflower, seed | 0.1 |
| Salsify, tops | 0.01 |
| Sesame, seed | 0.1 |
| Sorghum, grain | 0.1 |
| Soybean, seed | 0.1 |
| Sunflower, seed | 0.1 |
| Sweet potato, roots | 0.01 |
| Tangelo | 0.01 |
| Tangerine | 0.01 |
| Tomato | 0.01 |
| Vegetable, legume, group 6, except soybean | 0.01 |
| Walnut | 0.1 |
| Wheat, grain | 0.1 |

(2) Tolerances are established for residues of the fumigant in or on all RACs resulting from preharvest treatment of pest burrows in agricultural and noncrop land areas.

| Commodity | Parts per million |
|---|---|
| All raw agricultural commodities resulting from preharvest treatment of pest burrows | 0.01 |

(3) Residues resulting from fumigation of processed food:

| Commodity | Parts per million |
|---|---|
| Processed food | 0.01 |

(4) *Residues resulting from fumigation of animal feed*:

| Commodity | Parts per million |
|---|---|
| Animal feed | 0.1 |

(5) To assure safe use of this pesticide, it must be used in compliance with the labeling conforming to that registered by the U.S. Environmental Protection Agency (EPA) under FIFRA. Labeling shall bear a restriction to aerate the finished food/feed for 48 hours before it is offered to the consumer, unless EPA specifically determines that a different time period is appropriate. Where appropriate, a warning shall state that under no condition should any formulation containing aluminum or magnesium phosphide be used so that it will come in contact with any processed food, except processed brewer's rice, malt, and corn grits stored in breweries for use in the manufacture of beer.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[64 FR 72950, Dec. 29, 1999, as amended at 71 FR 74816, Dec. 13, 2006; 72 FR 41929, Aug. 1, 2007; 74 FR 46372, Sept. 9, 2009]

### § 180.226 Diquat; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the plant growth regulator and herbicide diquat, (6,7-dihydrodipyrido (1,2-a:2′1′-c)pyrazinediium) derived from application of the dibromide salt and calculated as the cation in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, seed | 3.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Canola, meal | 6.0 |
| Canola, seed | 2.0 |
| Egg | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.02 |
| Potato | 0.1 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(2)(i) Tolerances are established for residues of the herbicide diquat (6,7

dihydrodipyrido(1,2-a:2'1'-c)pyrazinediium) (calculated as the cation) derived from the application of the dibromide salt to ponds, lakes, reservoirs, marshes, drainage ditches, canals, streams, and rivers which are slow-moving or quiescent in programs of the Corp of Engineers or other Federal or State public agencies and to ponds, lakes and drainage ditches only where there is little or no outflow of water and which are totally under the control of the user, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Avocado | 0.2 |
| Berry group 13 | 0.05 |
| Cotton, undelinted seed | 0.2 |
| Cranberry | 0.05 |
| Fish | 2.0 |
| Fruit, citrus, group 10 | 0.05 |
| Fruit, pome, group 11 | 0.02 |
| Fruit, stone, group 12 | 0.02 |
| Grain, cereal, forage, fodder and straw, group 16 | 0.02 |
| Grain, cereal, group 15 | 0.02 |
| Grape | 0.05 |
| Grass, forage, fodder and hay, group 17 | 0.2 |
| Hop, dried cones | 0.2 |
| Nut, tree, group 14 | 0.02 |
| Shellfish | 20.0 |
| Strawberry | 0.05 |
| Sugarcane, cane | 0.2 |
| Vegetable, brassica, leafy, group 5 | 0.05 |
| Vegetable, cucurbit, group 9 | 0.02 |
| Vegetable, foliage of legume, group 7 | 0.2 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, leafy, except brassica, group 4 | 0.05 |
| Vegetable, root and tuber, group 1 | 0.02 |
| Vegetable, seed and pod | 0.05 |

(ii) Where tolerances are established at higher levels from other uses of diquat on the subject crops, the higher tolerances applies also to residues of the aquatic uses cited in this paragraph.

(3) Tolerances are established for the plant growth regulator diquat (6,7 dihydrodipyrido(1,2-a:2'1'-c)pyrazinediium) derived from application of the dibromide salt and calculated as the cation in or on the following food commodites:

| Commodity | Parts per million |
|---|---|
| Banana[1] | 0.05 |
| Coffee, bean, green[1] | 0.05 |
| Soybean, hulls | 0.6 |

[1]There are no U.S. registrations as of May 26, 2010.

(4) A tolerance of 0.5 part per million is established for residues of diquat in potato, granules/flakes and potato, chips.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33709, May 24, 2000, as amended at 72 FR 41929, Aug. 1, 2007; 75 FR 29441, May 26, 2010; 75 FR 60241, Sept. 29, 2010]

## § 180.227 Dicamba; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide dicamba, 3,6-dichloro-*o*-anisic acid, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of dicamba, 3,6-dichloro-*o*-anisic acid, and its metabolite, 3,6-dichloro-5-hydroxy-*o*-anisic acid, calculated as the stoichiometric equivalent of dicamba, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 6.0 |
| Barley, hay | 2.0 |
| Barley, straw | 15.0 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 3.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 3.0 |
| Corn, sweet, forage | 0.50 |
| Corn, sweet, kernel plus cob with husks removed | 0.04 |
| Corn, sweet, stover | 0.50 |
| Cotton, undelinted seed | 0.2 |
| Grass, forage, fodder and hay, group 17, forage | 125.0 |
| Grass, forage, fodder and hay, group 17, hay | 200.0 |
| Millet, proso, forage | 90.0 |
| Millet, proso, grain | 2.0 |
| Millet, proso, hay | 40.0 |
| Millet, proso, straw | 30.0 |
| Oat, forage | 90.0 |
| Oat, grain | 2.0 |
| Oat, hay | 40.0 |
| Oat, straw | 30.0 |
| Rye, forage | 90.0 |
| Rye, grain | 2.0 |
| Rye, straw | 30.0 |
| Sorghum, grain, forage | 3.0 |
| Sorghum, grain, grain | 4.0 |
| Sorghum, grain, stover | 10.0 |
| Sugarcane, cane | 0.3 |
| Sugarcane, molasses | 5.0 |
| Wheat, forage | 90.0 |
| Wheat, grain | 2.0 |
| Wheat, hay | 40.0 |
| Wheat, straw | 30.0 |

(2) Tolerances are established for residues of the herbicide dicamba, 3,6-dichloro-*o*-anisic acid, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of dicamba, 3,6-dichloro-*o*-anisic acid, and its metabolite, 3,6-dichloro-2-hydroxybenzoic acid, calculated as the stoichiometric equivalent of dicamba, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Asparagus | 4.0 |
| Cattle, fat | 0.3 |
| Cattle, kidney | 25.0 |
| Cattle, meat | 0.25 |
| Cattle, meat byproducts, except kidney | 3.0 |
| Goat, fat | 0.3 |
| Goat, kidney | 25.0 |
| Goat, meat | 0.25 |
| Goat, meat byproducts, except kidney | 3.0 |
| Hog, fat | 0.3 |
| Hog, kidney | 25.0 |
| Hog, meat | 0.25 |
| Hog, meat byproducts, except kidney | 3.0 |
| Horse, fat | 0.3 |
| Horse, kidney | 25.0 |
| Horse, meat | 0.25 |
| Horse, meat byproducts, except kidney | 3.0 |
| Milk | 0.2 |
| Sheep, fat | 0.3 |
| Sheep, kidney | 25.0 |
| Sheep, meat | 0.25 |
| Sheep, meat byproducts, except kidney | 3.0 |

(3) Tolerances are established for residues of the herbicide dicamba, 3,6-dichloro-*o*-anisic acid, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of dicamba, 3,6-dichloro-*o*-anisic acid, and its metabolites, 3,6-dichloro-5-hydroxy-*o*-anisic acid, and 3,6-dichloro-2-hydroxybenzoic acid, calculated as the stoichiometric equivalent of dicamba, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Grain, aspirated fractions | 1000 |
| Soybean, hulls | 30.0 |
| Soybean, seed | 10.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33709, May 24, 2000, as amended at 72 FR 35665, June 29, 2007; 73 FR 17918, Apr. 2, 2008; 73 FR 54960, Sept. 24, 2008; 75 FR 60241, Sept. 29, 2010]

## § 180.229 Fluometuron; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the herbicide fluometuron, *N*, *N*-dimethyl-*N*'-[3-(trifluoromethyl)phenyl]urea, and its metabolite, trifluoromethylaniline (TFMA) determined as TFMA, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 3.5 |
| Cotton, undelinted seed | 1.0 |

(2) Tolerances are established for the combined residues of the herbicide fluometuron, *N*,*N*-dimethyl-*N*'-[3-(trifluoromethyl)phenyl]urea, and its metabolites determined as TFMA and the hydroxylated metabolites: CGA-236431, 1-(4-hydroxy-3-trifluoromethylphenyl)urea; CGA-236432, 1-methyl-3-(4-hydroxy-3-trifluoromethylphenyl)urea; and CGA-13211, 1,1-dimethyl-3-(4-hydroxy-3-trifluoromethylphenyl)urea, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.1 |
| Egg | 0.1 |
| Goat, meat byproducts | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, meat byproducts | 0.1 |
| Milk | 0.02 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Sheep, meat byproducts | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the combined residues of the herbicide fluometuron, *N*, *N*-dimethyl-*N*'-[3-(trifluoromethyl)phenyl]urea, and its metabolite, trifluoromethylaniline (TFMA) determined as TFMA, in or on the following food commodities.

| Commodity | Parts per million |
|---|---|
| Grain, cereal, forage, fodder, and straw group 16, forage | 3.0 |
| Grain, cereal, forage, fodder, and straw, group 16, stover | 6.0 |
| Grain, cereal, group 15 | 0.5 |
| Peanut | 0.1 |
| Peanut, hay | 4.0 |
| Peanut, meal | 0.2 |
| Soybean, forage | 3.0 |
| Soybean, hay | 3.0 |
| Soybean, seed | 2.0 |
| Rice, hulls | 1.0 |
| Wheat, milled byproducts | 1.0 |

[73 FR 52613, Sept. 10, 2008]

### § 180.231 Dichlobenil; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the herbicide dichlobenil (2,6-dichlorobenzonitrile) and its metabolite 2,6-dichlorobenzamide in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Apple | 0.5 |
| Bushberry subgroup 13–07B | 0.15 |
| Caneberry subgroup 13–07A | 0.10 |
| Cranberry | 0.1 |
| Fruit, stone, group 12 | 0.15 |
| Grape | 0.15 |
| Hazelnut | 0.1 |
| Pear | 0.5 |
| Rhubarb | 0.06 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registration*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[36 FR 22540, Nov. 25, 1971, as amended at 63 FR 57075, Oct. 26, 1998; 66 FR 63198, Dec. 5, 2001; 73 FR 50570, Aug. 27, 2008]

### § 180.232 Butylate; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide butylate, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only butylate, *S*-ethyl bis (2-methylpropyl) carbamothioate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Corn, pop, forage | 0.1 |
| Corn, pop, grain | 0.1 |
| Corn, sweet, forage | 0.1 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 39439, July 1, 2003, as amended at 76 FR 23493, Apr. 27, 2011]

### § 180.235 Dichlorvos; tolerances for residues.

(a) *General*. (1) Tolerances for residues of the insecticide 2,2-dichlorovinyl dimethyl phosphate are established as follows:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02(N) |
| Cattle, meat | 0.02(N) |
| Cattle, meat byproducts | 0.02(N) |
| Egg | 0.05(N) |
| Goat, fat | 0.02(N) |
| Goat, meat | 0.02(N) |
| Goat, meat byproducts | 0.02(N) |
| Horse, fat | 0.02(N) |
| Horse, meat | 0.02(N) |
| Horse, meat byproducts | 0.02(N) |
| Milk | 0.02(N) |
| Mushroom (residues expressed as naled) | 0.5 |
| Poultry, fat | 0.05(N) |
| Poultry, meat | 0.05(N) |
| Poultry, meat byproducts | 0.05(N) |
| Raw agricultural commodities, nonperishable, bulk stored regardless of fat content, postharvest | 0.5 |
| Raw agricultural commodities nonperishable, packaged or bagged, containing 6 percent fat or less, postharvest | 0.5 |
| Raw agricultural commodities, nonperishable, packaged or bagged, containing more than 6 percent fat, postharvest | 2 |
| Sheep, fat | 0.02(N) |
| Sheep, meat | 0.02(N) |
| Sheep, meat byproducts | 0.02(N) |
| Tomato, postharvest (residues expressed as naled) | 0.05 |

(2) The tolerance of 0.1 part per million prescribed by 21 CFR 556.180 for negligible residues of 2,2-dichlorovinyl dimethyl phosphate in hog, fat; hog, meat; hog, meat byproducts; and hog, skin covers both its use as an anthelmintic in swine feed and as an insecticide applied directly to swine.

(3) Dichlorvos may be present as a residue from application as an insecticide on packaged or bagged nonperishable processed food (see: 21 CFR 170.3(j)) in an amount in such food not in excess of 0.5 part per million (ppm). To assure safe use of the insecticide, its label and labeling shall conform to the label and labeling registered by the U.S. Environmental Protection Agency, and the usage employed shall conform with such label or labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 55223, Dec. 8, 1982, as amended at 55 FR 26440, June 28, 1990; 56 FR 29183, June 26, 1991; 63 FR 57075, Oct. 26, 1998; 65 FR 33697, May 24, 2000; 74 FR 46373, Sept. 9, 2009]

### § 180.236 Triphenyltin hydroxide; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide triphenyltin hydroxide (TPTH) and its monophenyltin (MPTH) and diphenyltin (DPTH) hydroxide and oxide metabolites, expressed in terms of parent TPTH, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 10.0 |
| Cattle, fat | 0.2 |
| Cattle, kidney | 2.0 |
| Cattle, liver | 4.0 |
| Cattle, meat | 0.5 |
| Goat, fat | 0.2 |
| Goat, kidney | 2.0 |
| Goat, liver | 4.0 |
| Goat, meat | 0.5 |
| Hog, fat | 0.3 |
| Hog, meat | 0.06 |
| Hog, meat byproducts | 0.3 |
| Horse, fat | 0.2 |
| Horse, kidney | 2.0 |
| Horse, liver | 4.0 |
| Horse, meat | 0.5 |
| Milk | 0.06 |
| Pecan | 0.05 |
| Potato | 0.05 |
| Sheep, fat | 0.2 |
| Sheep, kidney | 2.0 |
| Sheep, liver | 4.0 |
| Sheep, meat | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 41929, Aug. 1, 2007]

### § 180.239 Phosphamidon; tolerances for residues.

(a) *General.* Tolerances (expressed as phosphamidon) for residues of the insecticide phosphamidon (2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate) including all of its related cholinesterase-inhibiting compounds in or on raw agricultural commodities are established as follows:

| Commodity | Parts per million | Expiration/Revocation Date |
|---|---|---|
| Apple | 1.0 | 12/31/02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 46893, July 17, 2002]

### § 180.241 Bensulide; tolerances for residues.

(a) *General.* Tolerances are established for the residues of S-(O,O-diisopropyl phosphorodithioate) of *N*-(2-mercaptoethyl) benzenesulfonamide including its oxygen analog *S*-(*O*,*O*-diisopropyl phosphorothioate) of *N*-(2-mercaptoethyl) benzenesulfonamide in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Onion, bulb | 0.10 |
| Vegetable, brassica, leafy group 5 | 0.15 |
| Vegetable, cucurbits group 9 | 0.15 |
| Vegetable, fruiting group 8 | 0.10 |
| Vegetable, leafy except brassica group 4 | 0.15 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for the residues of *S*-(*O*,*O*-diisopropyl phosphorodithioate) of *N*-(2-mercaptoethyl) benzenesulfonamide including its oxygen analog *S*-(*O*,*O*-diisopropyl phosphorothioate) of *N*-(2-mercaptoethyl) benzenesulfonamide in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Carrot, roots | 0.10 |

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39440, July 1, 2003, as amended at 73 FR 53738, Sept. 17, 2008]

### § 180.242 Thiabendazole; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the fungicide thiabendazole (2-(4-thiazolyl)benzimidazole) and its metabolite benzimidazole (free and conjugated) in or on the following food commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Apple, wet pomace | 12.0 | None |
| Avocado[1] | 10.0 | None |
| Banana, postharvest | 3.0 | None |
| Bean, dry, seed | 0.1 | None |
| Beet, sugar, dried pulp | 3.5 | 12/25/10 |
| Beet, sugar, roots | 0.25 | 12/25/10 |
| Beet, sugar, tops | 10.0 | 12/25/10 |
| Cantaloupe[1] | 15.0 | None |
| Carrot, roots, postharvest | 10.0 | None |
| Citrus, oil | 15.0 | None |
| Corn, field, forage | 0.01 | None |
| Corn, field, grain | 0.01 | None |
| Corn, field, stover | 0.01 | None |
| Corn, pop, forage | 0.01 | None |
| Corn, pop, grain | 0.01 | None |
| Corn, pop, stover | 0.01 | None |
| Corn, sweet, forage | 0.01 | None |
| Corn, sweet, kernels plus cop with husks removed | 0.01 | None |
| Corn, sweet, stover | 0.01 | None |
| Fruit, citrus, group 10, postharvest | 10.0 | None |
| Fruit, pome, group 11, postharvest | 5.0 | None |
| Mango | 10.0 | None |
| Mushroom | 40.0 | None |
| Papaya, postharvest | 5.0 | None |
| Potato, postharvest | 10.0 | None |
| Soybean | 0.1 | None |
| Strawberry[1] | 5.0 | None |
| Sweet potato (postharvest to sweet potato intended only for use as seed) | 0.05 | None |
| Wheat, grain | 1.0 | None |
| Wheat, straw | 1.0 | None |

[1]There are no U.S. registrations on the indicated commodity.

(2) Tolerances are established for the combined residues of thiabendazole (2-(4-thiazolyl)benzimidazole) and its metabolites 5-hydroxythiabendazole (free and conjugated) and benzimidazole in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.4 |
| Goat, meat byproducts | 0.4 |
| Hog, meat byproducts | 0.3 |
| Horse, meat byproducts | 0.4 |
| Milk | 0.1 |
| Sheep, meat byproducts | 0.4 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional exemptions.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[42 FR 32783, June 28, 1977]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.242, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.243 Propazine; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide propazine, 2-chloro-4,6-bis(isopropylamino)-*s*-triazine, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of propazine, 2-chloro-4,6-bis(isopropylamino)-*s*-triazine, and its two chlorinated degradates, 2-amino-4-chloro-6-isopropylamino-*s*-triazine and 2,4-diamino-6-chloro-*s*-triazine, calculated as the stoichiometric equivalent of propazine, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Sorghum, grain, forage | 0.25 |
| Sorghum, grain, grain | 0.25 |
| Sorghum, grain, stover | 0.25 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[75 FR 60242, Sept. 29, 2010]

### § 180.245 Streptomycin; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the fungicide

streptomycin in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.5 |
| Bean, succulent | 0.5 |
| Fruit, pome, group 11 | 0.25 |

(2) Tolerances are established for residues of the fungicide streptomycin from treatment of seedling plants before transplanting in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Celery | 0.25 |
| Pepper | 0.25 |
| Tomato | 0.25 |

(3) Tolerances are established for residues of the fungicide streptomycin from treatment of seed pieces in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Potato | 0.25 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39440, July 1, 2003, as amended at 73 FR 54960, Sept. 24, 2008]

## § 180.249 Alachlor; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of alachlor (2-chloro-2',6'-diethyl-*N*-(methoxymethyl)acetanilide) and its metabolites which can be converted to 2,6-diethylaniline (DEA) or 2-ethyl-6-(1-hydroxyethyl)aniline (1-HEEA) upon basic hydrolysis, calculated as alachlor in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Beans, dry | 0.1 |
| Beans, succulent lima | 0.1 |
| Cattle, fat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Cattle, meat | 0.02 |
| Corn, field, forage | 2.0 |
| Corn, field, grain | 0.2 |
| Corn, field, pop | 0.2 |
| Corn, field, stover | 2.0 |
| Corn, pop, stover | 2.0 |
| Corn, sweet (K+CWHR) | 0.05 |
| Corn, sweet, stover | 2.0 |
| Cotton, gin byproducts | 0.7 |
| Cotton, undelinted seed | 0.03 |
| Cowpea, forage | 5.0 |
| Cowpea, hay | 5.0 |
| Egg | 0.02 |
| Goat, fat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Goat, meat | 0.02 |
| Hog, fat | 0.02 |
| Hog meat byproducts | 0.02 |
| Hog, meat | 0.02 |
| Horse, fat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Horse, meat | 0.02 |
| Milk | 0.02 |
| Peanut | 0.5 |
| Poultry, fat | 0.02 |
| Poultry, meat byproducts | 0.02 |
| Poultry, meat | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, meat byproducts | 0.02 |
| Sheep, meat | 0.02 |
| Sorghum grain, forage | 2.0 |
| Sorghum, grain, grain | 0.1 |
| Sorghum, grain, stover | 1.0 |
| Soybeans, seed | 1.0 |
| Sunflower, meal | 3.4 |
| Sunflower, seed | 2.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of alachlor (2-chloro-2',6'-diethyl-*N*-(methoxymethyl)acetanilide) and its metabolites which can be converted to 2,6-diethylaniline (DEA) or 2-ethyl-6-(1-hydroxyethyl)aniline (1-HEEA) upon basic hydrolysis, calculated as alachlor, in or on the following raw agricultural commodities when present therein as a result of the application of alachlor to the growing crops in paragraph (a) of this section:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18, forage | 1.4 |
| Animal feed, nongrass, group 18, hay | 1.2 |
| Grain, cereal, forage, and straw, group 16 except corn, sorghum, rice, straw | 0.8 |
| Grain, cereal, forage, fodder and straw, group 16 except corn, sorghum, rice, forage | 0.6 |
| Grain, cereal, forage, fodder, and straw, group 16 except for corn, sorghum, rice, hay | 0.8 |
| Grain, cereal, group 15 except corn, sorghum, rice | 0.05 |

[72 FR 54584, Sept. 26, 2007]

### § 180.252 Tetrachlorvinphos; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the insecticide tetrachlorvinphos, (*Z*)-2-chloro-1-(2,4,5- trichlorophenyl) vinyl dimethyl phosphate, and its metabolites, 1-(2,4,5-trichlorophenyl)-ethanol (free and conjugated forms), 2,4,5- trichloroacetophenone, and 1-(2,4,5-trichlorophenyl)-ethanediol in/on the following food commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Cattle, fat (of which no more than 0.1 ppm is tetrachlorvinphos *per se*) | 0.2 | 3/17/10 |
| Cattle, kidney (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 1.0 | 3/17/10 |
| Cattle, liver (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 0.5 | 3/17/10 |
| Cattle, meat (of which no more than 2.0 ppm is tetrachlorvinphos *per se*) | 2.0 | 3/17/10 |
| Cattle, meat by products, except kidney and liver | 1.0 | 3/17/10 |
| Egg (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 0.2 | 3/17/10 |
| Hog, fat (of which no more than 0.1 ppm is tetrachlorvinphos *per se*) | 0.2 | 3/17/10 |
| Hog, kidney (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 1.0 | 3/17/10 |
| Hog, liver (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 0.5 | 3/17/10 |
| Hog, meat (of which no more than 2.0 ppm is tetrachlorvinphos *per se*) | 2.0 | 3/17/10 |
| Hog, meat byproducts, except kidney and liver | 1.0 | 3/17/10 |
| Milk, fat (reflecting negligible residues in whole milk and of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 0.05 | 3/17/10 |
| Poultry, fat (of which no more than 7.0 ppm is tetrachlorvinphos *per se*) | 7.0 | 3/17/10 |
| Poultry, liver (of which no more than 0.05 ppm is tetrachlorvinphos *per se*) | 2.0 | 3/17/10 |
| Poultry, meat (of which no more than 3.0 ppm is tetrachlorvinphos *per se*) | 3.0 | 3/17/10 |
| Poultry, meat byproducts, except liver | 2.0 | 3/17/10 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 39053, July 21, 1999, as amended at 65 FR 33697, May 24, 2000; 67 FR 49616, July 31, 2002; 73 FR 53738, Sept. 17, 2008]

### § 180.253 Methomyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide methomyl (*S*-methyl *N*-[(methylcarbamoyl)oxy] thioacetimidate) in or on the food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 10 |
| Alfalfa, hay | 10 |
| Apple | 1 |
| Asparagus | 2 |
| Avocado | 2 |
| Barley, grain | 1 |
| Barley, hay | 10 |
| Barley, straw | 10 |
| Bean, dry, seed | 0.1(N) |
| Bean, forage | 10 |
| Bean, succulent | 2 |
| Beet, garden, tops | 6 |
| Bermudagrass, forage | 10 |
| Bermudagrass, hay | 40 |
| Blueberry | 6 |
| Broccoli | 3 |
| Brussels sprouts | 2 |
| Cabbage | 5 |
| Cabbage, Chinese, bok choy | 5 |
| Cabbage, Chinese, napa | 5 |
| Cauliflower | 2 |
| Celery | 3 |
| Collards | 6 |
| Corn, field, forage | 10 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 10 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 10 |
| Corn, sweet, forage | 10 |
| Corn, sweet, kernel plus cob with husks removed | 0.1(N) |
| Corn, sweet, stover | 10 |
| Cotton, undelinted seed | 0.1(N) |
| Cucurbits | 0.2(N) |
| Dandelion, leaves | 6 |
| Endive | 5 |
| Grape | 5 |
| Grapefruit | 2 |
| Hop, dried cones [1] | 12 |
| Kale | 6 |
| Lemon | 2 |
| Lentil, seed | 0.1 |
| Lettuce | 5 |
| Mustard greens | 6 |
| Nectarine | 5 |
| Oat, forage | 10 |
| Oat, grain | 1 |
| Oat, hay | 10 |
| Oat, straw | 10 |
| Onion, green | 3 |
| Orange, sweet | 2 |
| Parsley, leaves | 6 |
| Pea | 5 |
| Pea, field, vines | 10 |

| Commodity | Parts per million |
|---|---|
| Peach | 5 |
| Peanut | 0.1(N) |
| Pecan | 0.1 |
| Pepper | 2 |
| Peppermint, tops | 2 |
| Pomegranate | 0.2(N) |
| Rye, forage | 10 |
| Rye, grain | 1 |
| Rye, straw | 10 |
| Sorghum, forage | 1 |
| Sorghum, grain | 0.2(N) |
| Soybean | 0.2(N) |
| Soybean, forage | 10 |
| Spearmint, tops | 2 |
| Spinach | 6 |
| Swiss chard | 6 |
| Tangerine | 2 |
| Tomato | 1 |
| Turnip, greens | 6 |
| Vegetable, brassica, leafy, group 5 | 6.0 |
| Vegetable, fruiting | 0.2(N) |
| Vegetables, leafy [exc. beet (tops), broccoli, Brussels sprouts, cabbage, cabbage, Chinese, cauliflower, celery, collards, dandelions, endive (escarole), kale, lettuce, mustard greens, parsley, spinach, Swiss chard, turnip, greens (tops), and watercress] | 0.2(N) |
| Vegetable, root | 0.2(N) |
| Wheat, forage | 10 |
| Wheat, grain | 1 |
| Wheat, hay | 10 |
| Wheat, straw | 10 |

[1]There are no U.S. registrations for use of methomyl on hop, dried cone, as of February 14, 1990.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of methomyl in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Pear | 4 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33697, May 24, 2000, as amended at 72 FR 35666, June 29, 2007; 74 FR 46373, Sept. 9, 2009; 75 FR 60242, Sept. 29, 2010; 76 FR 34885, June 15, 2011]

## § 180.254 Carbofuran; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide carbofuran (2,3-dihydro-2,2-dimethyl-7-benzofuranyl-*N*-methylcarbamate), its carbamate metabolite-2,3-dihydro-2,2-dimethyl-3-hydroxy-7-benzofuranyl-*N*-methylcarbamate, and its phenolic metabolites 2,3-dihydro-2,2-dimethyl-7-benzofuranol, 2,3-dihydro-2,2-dimethyl-3,-oxo-7-benzofuranol and 2,3-dihydro-2,2-dimethyl-3,7-benzofurandiol in or on the following raw agricultural commodities:

| Commodity | Parts per million (ppm) | Expiration/ Revocation date |
|---|---|---|
| Alfalfa, forage (of which no more than 5 ppm are carbamates) | 10 | 12/31/09 |
| Alfalfa, hay (of which no more than 20 ppm are carbamates) | 40 | 12/31/09 |
| Banana | 0.1 | 12/31/09 |
| Barley, grain (of which not more than 0.1 ppm is carbamates) | 0.2 | 12/31/09 |
| Barley, straw (of which no more than 1.0 ppm is carbamates) | 5.0 | 12/31/09 |
| Beet, sugar, roots | 0.1 | 12/31/09 |
| Beet, sugar, tops (of which no more than 1 ppm is carbamates) | 2 | 12/31/09 |
| Coffee, bean, green | 0.1 | 12/31/09 |
| Corn, field, forage (of which no more than 5 ppm are carbamates) | 25 | 12/31/09 |
| Corn, field, grain (of which no more than 0.1 ppm is carbamates) | 0.2 | 12/31/09 |
| Corn, field, stover (of which no more than 5 ppm are carbamates) | 25 | 12/31/09 |
| Corn, pop, grain (of which no more than 0.1 ppm is carbamates) | 0.2 | 12/31/09 |
| Corn, pop, stover (of which no more than 5 ppm are carbamates) | 25 | 12/31/09 |
| Corn, sweet, forage (of which no more than 5 ppm are carbamates) | 25 | 12/31/09 |
| Corn, sweet, kernel plus cob with husks removed (of which no more than 0.2 ppm is carbamates) | 1.0 | 12/31/09 |
| Corn, sweet, stover (of which no more than 5 ppm is carbamates) | 25 | 12/31/09 |
| Cotton, undelinted seed (of which no more than 0.2 ppm is carbamates) | 1.0 | 12/31/09 |
| Cranberry (of which no more than 0.3 ppm is carbamates) | 0.5 | 12/31/09 |
| Cucumber (of which not more than 0.2 ppm is carbamates) | 0.4 | 12/31/09 |
| Grape (of which no more than 0.2 ppm is carbamates) | 0.4 | 12/31/09 |
| Grape, raisin (of which no more than 1.0 ppm is carbamate | 2.0 | 12/31/09 |
| Grape, raisin, waste (of which no more than 3.0 ppm is carbamates | 6.0 | 12/31/09 |
| Melon (of which not more than 0.2 ppm is carbamates) | 0.4 | 12/31/09 |
| Milk (of which no more than 0.02 ppm is carbamates) | 0.1 | 12/31/09 |
| Oat, grain (of which not more than 0.1 ppm is carbamates) | 0.2 | 12/31/09 |
| Oat, straw (of which not more than 1.0 ppm is carbamates) | 5.0 | 12/31/09 |
| Pepper (of which no more than 0.2 ppm is carbamates) | 1 | 12/31/09 |
| Potato (of which no more than 1 ppm is carbamates) | 2 | 12/31/09 |
| Pumpkin (of which not more than 0.6 ppm is carbamates) | 0.8 | 12/31/09 |
| Rice, grain | 0.2 | 12/31/09 |
| Rice, straw (of which no more than 0.2 ppm is carbamates) | 1 | 12/31/09 |

| Commodity | Parts per million (ppm) | Expiration/ Revocation date |
|---|---|---|
| Sorghum, forage (of which no more than 0.5 ppm is carbamates) | 3 | 12/31/09 |
| Sorghum, grain, grain | 0.1 | 12/31/09 |
| Sorghum, grain, stover (of which no more than 0.5 ppm is carbamates) | 3 | 12/31/09 |
| Strawberry (of which no more than 0.2 ppm is carbamates) | 0.5 | 12/31/09 |
| Soybean (of which not more than 0.2 ppm is carbamates) | 1.0 | 12/31/09 |
| Soybean, forage (of which not more than 20.0 ppm are carbamates) | 35.0 | 12/31/09 |
| Soybean, hay (of which not more than 20.0 ppm are carbamates) | 35.0 | 12/31/09 |
| Squash (of which not more than 0.6 ppm is carbamates) | 0.8 | 12/31/09 |
| Sugarcane, cane | 0.1 | 12/31/09 |
| Sunflower, seed (of which not more than 0.5 ppm is carbamates) | 1.0 | 12/31/09 |
| Wheat, grain (of which not more than 0.1 ppm is carbamates) | 0.2 | 12/31/09 |
| Wheat, straw (of which not more than 1.0 ppm is carbamates) | 5.0 | 12/31/09 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* Tolerances with regional registration, as defined in § 180.1(m), are established for the combined residues of the insecticide carbofuran (2,3-dihydro-2,2-dimethyl-7-benzofuranyl-*N*-methylcarbamate), its carbamate metabolite 2,3-dihydro-2,2-dimethyl-3-hydroxy-7-benzofuranyl-*N*-methylcarbamate, and its phenolic metabolites 2,3-dihydro-2,2-dimethyl-7-benzofuranol, 2,3-dihydro-2,2-dimethyl-3-oxo-7-benzofuranol, and 2,3-dihydro-2,2-dimethyl-3,7-benzofurandiol in or on the following raw agricultural commodity:

| Commodity | Parts per million (ppm) | Expiration/ Revocation date |
|---|---|---|
| Artichoke, globe (of which not more than 0.2 ppm is carbamates) | 0.4 | 12/31/09 |

(d) *Indirect or inadvertent residues.* [Reserved]

[39 FR 20597, June 12, 1974]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.254, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.257 Chloroneb; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide chloroneb (1,4-dichloro-2,5-dimethoxybenzene) and its metabolite 2,5-dichloro-4-methoxyphenol (free and conjugated), calculated as chloroneb, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.2 |
| Bean, succulent | 0.2 |
| Beet, sugar, roots | 0.2 |
| Beet, sugar, tops | 0.2 |
| Cowpea, forage | 2.0 |
| Cowpea, hay | 2.0 |
| Cattle, fat | 0.2 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.2 |
| Cotton, gin byproducts | 1.0 |
| Cotton, undelinted seed | 0.2 |
| Goat, fat | 0.2 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.2 |
| Hog, fat | 0.2 |
| Hog, meat | 0.2 |
| Hog, meat byproducts | 0.2 |
| Horse, fat | 0.2 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.2 |
| Milk | 0.05 |
| Sheep, fat | 0.2 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.2 |
| Soybean, forage | 2.0 |
| Soybean, hay | 2.0 |
| Soybean, seed | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39440, July 1, 2003, as amended at 72 FR 53460, Sept. 19, 2007]

### § 180.258 Ametryn; tolerances for residues.

(a) *General.* Tolerances are established for residues of the desiccant and herbicide (2-ethylamino)-4-(isopropylamino)-6-(methylthio)-*s*-triazine in or on the following raw agricultural commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Banana | 0.25 | 6/16/10 |
| Corn, field, forage | 0.1 | None |
| Corn, field, grain | 0.05 | None |
| Corn, field, stover | 0.05 | None |
| Corn, pop, grain | 0.05 | None |
| Corn, pop, stover | 0.05 | None |
| Corn, sweet, forage | 0.5 | 6/16/10 |
| Corn, sweet, kernel plus cob with husks removed | 0.25 | 6/16/10 |
| Corn, sweet, stover | 0.5 | 6/16/10 |

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Pineapple | 0.05 | None |
| Sugarcane, cane | 0.05 | None |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[43 FR 29121, July 6, 1978, as amended at 48 FR 13175, Mar. 30, 1983; 48 FR 21132, May 11, 1983; 52 FR 33237, Sept. 2, 1987; 63 FR 57075, Oct. 26, 1998; 73 FR 54961, Sept. 24, 2008; 74 FR 47456, Sept. 16, 2009]

## § 180.259 Propargite; tolerances for residues.

(a) *General*. Tolerances are established for residues of the pesticide propargite (2-(*p-tert*-butylphenoxy) cyclohexyl 2-propynyl sulfite) in or on the following food commodities.

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Almond, hulls | 55.0 |
| Bean, dry, seed | 0.2 |
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Citrus, oil | 30.0 |
| Corn, field, forage | 10.0 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 10.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 10.0 |
| Corn, sweet, forage | 10.0 |
| Corn, sweet, stover | 10.0 |
| Cotton, undelinted seed | 0.1 |
| Egg | 0.1 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Grain, aspirated fractions | 0.4 |
| Grape | 10.0 |
| Grapefruit | 5.0 |
| Hog, fat | 0.1 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Hop, dried cones | 100.0 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Lemon | 5.0 |
| Milk, fat (0.08 ppm in milk) | 2.0 |
| Nectarine | 4.0 |
| Orange | 10.0 |
| Peanut | 0.1 |
| Peppermint, tops | 50.0 |
| Poultry, fat | 0.1 |
| Potato | 0.1 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Sorghum, grain, forage | 10.0 |
| Sorghum, grain, grain | 5.0 |
| Sorghum, grain, stover | 10.0 |
| Spearmint, tops | 50.0 |
| Tea, dried | 10.0 |
| Walnut | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for residues of propargite in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, sweet, kernel plus cob with husks removed | 0.1 |

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33710, May 24, 2000, as amended at 72 FR 41930, Aug. 1, 2007; 73 FR 54961, Sept. 24, 2008; 76 FR 34885, June 15, 2011]

## § 180.261 Phosmet; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide phosmet, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorodithioate), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of phosmet, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorodithioate), and its oxygen analog, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorothioate, calculated as the stoichiometric equivalent of phosmet, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 20 |
| Alfalfa, hay | 40 |
| Almond, hulls | 10 |
| Apple | 10 |
| Apricot | 5 |
| Blueberry | 10 |
| Cattle, fat | 0.2 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Cherry | 10 |
| Cranberry | 10 |
| Fruit, citrus, group 10 | 5 |

| Commodity | Parts per million |
|---|---|
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Grape | 10 |
| Hog, fat | 0.2 |
| Hog, meat | 0.04 |
| Hog, meat byproducts | 0.04 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Kiwifruit | 25 |
| Milk | 0.1 |
| Nectarine | 5 |
| Nut, tree, group 14 | 0.1 |
| Pea, dry, seed | 0.5 |
| Pea, field, hay | 20 |
| Pea, field, vines | 10 |
| Pea, succulent | 1 |
| Peach | 10 |
| Pear | 10 |
| Plum, prune, fresh | 5 |
| Potato | 0.1 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Sweet potato, roots | 12 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration are established for residues of the insecticide phosmet, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorodithioate), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of phosmet, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorodithioate), and its oxygen analog, *N*-(mercaptomethyl) phthalimide *S*-(*O*,*O*-dimethyl phosphorothioate, calculated as the stoichiometric equivalent of phosmet, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Crabapple | 20 |
| Pistachio | 0.1 |

(d) *Indirect or inadvertent residues.* [Reserved]

[43 FR 46538, Oct. 10, 1978, as amended at 45 FR 8981, Feb. 11, 1980; 48 FR 37213, Aug. 17, 1983; 52 FR 48539, Dec. 23, 1987; 53 FR 657, Jan. 11, 1988; 53 FR 39090, Oct. 5, 1988; 63 FR 57075, Oct. 26, 1998; 67 FR 49616, July 31, 2002; 74 FR 46698, Sept. 11, 2009; 75 FR 60242, Sept. 29, 2010]

## § 180.262 Ethoprop; tolerances for residues.

(a) *General.* Tolerances are established for residues of the nematocide and insecticide ethoprop, *O*-ethyl *S*,*S*-dipropyl phosphorodithioate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only ethoprop, *O*-ethyl *S*,*S*-dipropyl phosphorodithioate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Banana | 0.02 |
| Bean, lima | 0.02 |
| Bean, snap, succulent | 0.02 |
| Cabbage | 0.02 |
| Corn, field, forage | 0.02 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.02 |
| Corn, sweet, forage | 0.02 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Corn, sweet, stover | 0.02 |
| Cucumber | 0.02 |
| Hop, dried cones | 0.02 |
| Peppermint, tops | 0.02 |
| Pineapple[1] | 0.02 |
| Potato | 0.02 |
| Spearmint, tops | 0.02 |
| Sugarcane, cane | 0.02 |
| Sweet potato, roots | 0.02 |

[1] There are no U.S. registrations as of July 23, 2009, except for existing stocks bearing old labeling whose sale, distribution, and use is allowed, provided it is consistent with the terms of the cancellation order of July 9, 2009; *i.e.*, the EPA will allow the technical registrant to continue to sell and distribute existing stocks of the amended registered product bearing old labeling for use on pineapple for 18 months (until January 9, 2011) and persons other than the registrant may continue to sell and/or use existing stocks of product bearing the old labeling until such stocks are exhausted, provided that such use is consistent with the terms of the previously approved labeling on, or that accompanied, the modified product.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 53004, Nov. 24, 1982, as amended at 48 FR 51485, Nov. 9, 1983; 52 FR 33237, Sept. 2, 1987; 53 FR 30053, Aug. 10, 1988; 63 FR 57075, Oct. 26, 1998; 64 FR 39078, July 21, 1999; 66 FR 38955, July 26, 2001; 67 FR 49616, July 31, 2002; 73 FR 53731, Sept. 17, 2008; 73 FR 54961, Sept. 24, 2008; 74 FR 46373, Sept. 9, 2009; 75 FR 60242, Sept. 29, 2010]

### § 180.263 Phosalone; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide phosalone, *S*-(6-chloro-3-(mercaptomethyl)-2-benzoxazolinone) *O*,*O*-diethyl phosphorodithioate, in or on the following food commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Apple[1] | 10.0 | 9/30/13 |
| Cherry[1] | 15.0 | 9/30/13 |
| Grape[1] | 10.0 | 9/30/13 |
| Peach[1] | 15.0 | 9/30/13 |
| Pear[1] | 10.0 | 9/30/13 |
| Plum, prune, fresh[1] | 15.0 | 9/30/13 |

[1]There are no U.S. registrations since 1992.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 46698, Sept. 11, 2009]

### § 180.269 Aldicarb; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the insecticide and nematocide aldicarb (2-methyl-2-(methylthio)propionaldehyde *O*-(methylcarbamoyl) oxime and its cholinesterase-inhibiting metabolites 2-methyl 2-(methylsulfinyl) propionaldehyde *O*-(methylcarbamoyl) oxime and 2-methyl-2-(methylsulfonyl) propionaldehyde *O*-(methylcarbamoyl) oxime in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.1 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 1 |
| Citrus, dried pulp | 0.6 |
| Coffee, bean, green | 0.1 |
| Cotton, undelinted seed | 0.1 |
| Cotton, hulls | 0.3 |
| Grapefruit | 0.3 |
| Lemon | 0.3 |
| Lime | 0.3 |
| Orange, sweet | 0.3 |
| Peanut | 0.05 |
| Pecan | 0.5 |
| Potato | 1 |
| Sorghum, grain, bran | 0.5 |
| Sorghum, grain, grain | 0.2 |
| Sorghum, grain, stover | 0.5 |
| Soybean | 0.02 |
| Sugarcane, cane | 0.02 |
| Sweet potato, roots | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33710, May 24, 2000, as amended at 69 FR 6567, Feb. 11, 2004; 73 FR 54961, Sept. 24, 2008]

### § 180.272 Tribuphos; tolerances for residues.

(a) *General*. Tolerances are established for residues of the defoliant tribuphos (*S*,*S*,*S*-tributyl phosphorotrithioate) in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.15 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Cotton, gin byproducts | 40.0 |
| Cotton, undelinted seed | 4.0 |
| Goat, fat | 0.15 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Hog, fat | 0.15 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Horse, fat | 0.15 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.01 |
| Sheep, fat | 0.15 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33698, May 24, 2000, as amended at 67 FR 49616, July 31, 2002; 72 FR 53460, Sept. 19, 2007]

### § 180.274 Propanil; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the herbicide propanil (3′, 4′-dichloropropionanilide) and its metabolites convertible to 3, 4-dichloroaniline (3, 4-DCA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 1.0 |

| Commodity | Parts per million |
|---|---|
| Crayfish | 0.05 |
| Egg | 0.30 |
| Goat, fat | 0.10 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 1.0 |
| Hog, fat | 0.10 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 1.0 |
| Horse, fat | 0.10 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 1.0 |
| Milk | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.10 |
| Poultry, meat byproducts | 0.50 |
| Rice, bran | 40 |
| Rice, grain | 10 |
| Rice, hulls | 30 |
| Rice, straw | 75 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 34827, June 26, 1998, as amended at 72 FR 28888, May 23, 2007]

## § 180.275 Chlorothalonil; tolerances for residues.

(a) *General.* (1) Tolerances are established for the fungicide chlorothalonil (tetrachloroisophthalonitrile) and its metabolite 4-hydroxy-2,5,6-trichloroisophthalonitrile in or on the following food commodities.

| Commodity | Parts per million |
|---|---|
| Almond | 0.05 |
| Almond, hulls | 1.0 |
| Apricot | 0.5 |
| Asparagus | 0.1 |
| Banana (NMT 0.05 ppm in edible pulp) | 0.5 |
| Bean, dry, seed | 0.1 |
| Bean, snap, succulent | 5 |
| Blueberry | 1.0 |
| Brassica, head and stem, subgroup 5A | 5.0 |
| Carrot, roots | 1 |
| Celery | 15 |
| Cherry, sweet | 0.5 |
| Cherry, tart | 0.5 |
| Cocoa bean, dried bean | 0.05 |
| Coffee, bean, green | 0.20 |
| Corn, sweet, kernel plus cob with husks removed | 1 |
| Cranberry | 5.0 |
| Ginseng | 4.0 |
| Horseradish | 4.0 |
| Lentil | 0.10 |
| Lychee | 15 |
| Mango | 1.0 |
| Mushroom | 1.0 |
| Nectarine | 0.5 |
| Okra | 6.0 |
| Onion, bulb | 0.5 |
| Onion, green | 5 |
| Papaya | 15 |
| Parsnip, roots | 1 |
| Passionfruit | 3 |
| Pea, edible podded | 5 |
| Peach | 0.5 |
| Peanut | 0.3 |
| Pistachio | 0.2 |
| Plum | 0.2 |
| Plum, prune | 0.2 |
| Potato | 0.1 |
| Rhubarb | 4.0 |
| Soybean | 0.2 |
| Starfruit | 3.0 |
| Tomato | 5 |
| Vegetable, cucurbit, group 9 | 5.0 |
| Vegetable, fruiting, group 8, except tomato | 6.0 |
| Yam, true | 0.10 |

(2) Tolerances are established for the metabolite 4-hydroxy-2,5,6-trichloroisophthalonitrile in or on the following food commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, kidney | 0.5 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Cattle, meat | 0.03 |
| Goat, fat | 0.1 |
| Goat, kidney | 0.5 |
| Goat, meat byproducts, except kidney | 0.05 |
| Goat, meat | 0.03 |
| Hog, fat | 0.1 |
| Hog, kidney | 0.5 |
| Hog, meat byproducts, except kidney | 0.05 |
| Hog, meat | 0.03 |
| Horse, fat | 0.1 |
| Horse, kidney | 0.5 |
| Horse, meat byproducts, except kidney | 0.05 |
| Horse, meat | 0.03 |
| Milk | 0.1 |
| Sheep, fat | 0.1 |
| Sheep, kidney | 0.5 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Sheep, meat | 0.03 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for the combined residues of chlorothalonil and its metabolite in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Hazelnut | 0.1 |
| Peppermint, tops | 2 |
| Persimmon | 1.5 |
| Spearmint, tops | 2 |

(d) *Indirect or inadvertent residues.* [Reserved]

[42 FR 56114, Oct. 21, 1977; 76 FR 34885, June 15, 2011]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.275, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.276 Formetanate hydrochloride; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide formetanate hydrochloride (m-[[dimethylamino)methylene]amino ]phenyl methylcarbamate hydrochloride) in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Apple | 0.50 |
| Apple, wet pomace | 1.5 |
| Grapefruit | 1.5 |
| Lemon | 0.60 |
| Lime | 0.03 |
| Nectarine | 0.40 |
| Orange | 1.5 |
| Peach | 0.40 |
| Pear | 0.50 |
| Tangelo | 0.03 |
| Tangerine | 0.03 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 34827, June 26, 1998, as amended at 69 FR 43924, July 23, 2004; 73 FR 9232, Feb. 20, 2008; 73 FR 52613, Sept. 10, 2008; 74 FR 636, Jan. 7, 2009; 76 FR 34885, June 15, 2011]

### § 180.278 Phenmedipham; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide phenmedipham (3-methoxycarbonylaminophenyl-3′-methylcarbanilate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.2 |
| Beet, garden, tops | 0.2 |
| Beet, sugar, dried pulp | 0.5 |
| Beet, sugar, molasses | 0.2 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 0.1 |
| Spinach | 4.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 28888, May 23, 2007]

### § 180.284 Zinc phosphide; tolerances for residues.

(a) *General.* Tolerances are established for residues of the phosphine resulting from the use of the rodenticide zinc phosphide in or on the raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.2 |
| Alfalfa, hay | 0.2 |
| Barley, grain | 0.05 |
| Barley, hay | 0.2 |
| Barley, straw | 0.2 |
| Bean, dry, seed | 0.05 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 0.2 |
| Grape | 0.01 |
| Grass, rangeland, forage | 0.1 |
| Grass, rangeland, hay | 0.1 |
| Potato | 0.05 |
| Sugarcane, cane | 0.01 |
| Timothy, hay | 0.5 |
| Timothy, forage | 0.5 |
| Wheat, forage | 0.05 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.05 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of phosphine resulting from the use of the rodenticide zinc phosphide in or on the following raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 0.01 |
| Beet, sugar, roots | 0.04 |
| Beet, sugar, tops | 0.02 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 45182, Aug. 25, 1998, as amended at 63 FR 67799, Dec. 9, 1998; 64 FR 40772, July 28, 1999; 64 FR 61791, Nov. 15, 1999; 65 FR 8874, Feb. 23, 2000; 65 FR 49941, Aug. 16, 2000; 65 FR 62634, Oct. 19, 2000; 66 FR 64773, Dec. 14, 2001; 68 FR 2247, Jan. 16, 2003; 68 FR 56195, Sept. 30, 2003; 70 FR 7046, Feb. 10, 2005; 74 FR 46373, Sept. 9, 2009; 76 FR 34885, June 15, 2011]

### § 180.287 Amitraz; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide amitraz (N′-[2,4-dimethylphenyl]-N-[[(2,4-dimethylphenyl)imino] methyl]]-N-methylmethanimidamide) and its metabolites containing the 2,4-dimethylaniline moiety (calculated as the parent) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.2 |
| Cotton, undelinted seed [1] | 1.0 |
| Hog, fat | 0.1 |
| Hog, kidney | 0.1 |
| Hog, liver | 0.1 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.3 |
| Milk | 0.03 |
| Milk, fat | 0.2 |

[1]There are no U.S. registrations on cottonseed as of May 3, 2006.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[44 FR 70145, Dec. 6, 1979, as amended at 51 FR 16846, May 7, 1986; 52 FR 5767, Feb. 26, 1987; 57 FR 53568, Nov. 12, 1992; 58 FR 14316, Mar. 17, 1993; 60 FR 12704, Mar. 8, 1995; 67 FR 49616, July 31, 2002; 72 FR 53454, Sept. 19, 2007; 74 FR 47456, Sept. 16, 2009]

### § 180.288 2-(Thiocyanomethylthio)benzothiazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide 2-(thiocyanomethylthio)benzothiazole in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1(N) |
| Barley, straw | 0.1(N) |
| Beet, sugar, roots | 0.1(N) |
| Beet, sugar, tops | 0.1(N) |
| Corn, field, forage | 0.1(N) |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 0.1 |
| Cotton, forage | 0.1(N) |
| Cotton, undelinted seed | 0.1(N) |
| Oat, forage | 0.1(N) |
| Oat, grain | 0.1(N) |
| Oat, hay | 0.1(N) |
| Oat, straw | 0.1(N) |
| Rice, grain | 0.1(N) |
| Rice, straw | 0.1(N) |
| Safflower, seed | 0.1(N) |
| Sorghum, grain, forage | 0.1(N) |
| Sorghum, grain, grain | 0.1(N) |
| Sorghum, grain, stover | 0.1(N) |
| Wheat, forage | 0.1(N) |
| Wheat, grain | 0.1(N) |
| Wheat, hay | 0.1(N) |
| Wheat, straw | 0.1(N) |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 39440, July 1, 2003, as amended at 74 FR 46374, Sept. 9, 2009]

### § 180.289 Methanearsonic acid; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide methanearsonic acid (calculated as $As_2O_3$) from application of the disodium and monosodium salts of methanearsonic acid in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Cotton, undelinted seed | 0.7 |
| Cotton, hulls | 0.9 |
| Fruit, citrus | 0.35 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[63 FR 34828, June 26, 1998]

### § 180.291 Pentachloronitrobenzene; tolerance for residues.

(a) *General*. Tolerances are established for the combined residues of the fungicide pentachloronitrobenzene (PCNB) and its metabolites pentachloroaniline (PCA), and pentachlorothioanisole (PCTA), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Bean | 0.1 |
| Brassica, head and stem, subgroup 5A | 0.1 |
| Cotton, undelinted seed | 0.1 |
| Garlic, bulb | 0.1 |

| Commodity | Parts per million |
|---|---|
| Peanut | 1.0 |
| Potato | 0.1 |
| Soybean, forage | 0.02 |
| Soybean, hay | 0.02 |
| Soybean, seed | 0.02 |
| Vegetable, fruiting, group 8 | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registrations, as defined in § 180.1(l), are established for the combined residues of the fungicide pentachloronitrobenzene (PCNB) and its metabolites pentachloroaniline (PCA), and pentachlorothioanisole (PCTA), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Collards | 0.2 |
| Kale | 0.2 |
| Mustard, greens | 0.2 |

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 47456, Sept. 16, 2009]

## § 180.292 Picloram; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide picloram, 4-amino-3,5,6-trichloropicolinic acid, including its metabolites and degradates, in or on the commodities in the following table from its application in the acid form or in the form of its salts. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only picloram, 4-amino-3,5,6-trichloropicolinic acid, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.5 |
| Barley, pearled barley | 3.0 |
| Barley, straw | 1.0 |
| Cattle, fat | 0.4 |
| Cattle, meat | 0.4 |
| Cattle, meat byproducts | 15 |
| Egg | 0.05 |
| Goat, fat | 0.4 |
| Goat, meat | 0.4 |
| Goat, meat byproducts | 15 |
| Grain, aspirated fractions | 4.0 |
| Grass, forage | 400 |
| Grass, hay | 225 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.4 |
| Horse, meat | 0.4 |
| Horse, meat byproducts | 15 |
| Milk | 0.25 |
| Oat, forage | 1.0 |
| Oat, grain | 0.5 |
| Oat, groats/rolled oats | 3.0 |
| Oat, straw | 1.0 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 0.4 |
| Sheep, meat | 0.4 |
| Sheep, meat byproducts | 15 |
| Wheat, bran | 3.0 |
| Wheat, forage | 1.0 |
| Wheat, germ | 3.0 |
| Wheat, grain | 0.5 |
| Wheat, middlings | 3.0 |
| Wheat, shorts | 3.0 |
| Wheat, straw | 1.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[41 FR 19221, May 11, 1976, as amended at 47 FR 53005, Nov. 24, 1982; 64 FR 425, Jan. 5, 1999; 64 FR 39082, July 21, 1999; 72 FR 41930, Aug. 1, 2007; 75 FR 60243, Sept. 29, 2010]

## § 180.293 Endothall; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of endothall, 7-oxabicyclo [2, 2, 1] heptane-2, 3-dicarboxylic acid and its monomethyl ester in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, undelinted seed | 0.1 |
| Fish | 0.1 |
| Hop, dried cones | 0.1 |
| Potato | 0.1 |
| Rice, grain | 0.05 |
| Rice, straw | 0.05 |

(2) An interim tolerance of 0.2 parts per million is established for residues of the herbicide endothall (7 - oxabicyclo[2.2.1] heptane-2,3-dicarboxylic acid) in water, potable from use of its potassium, sodium, di-*N*, *N*-dimethylalkylamine, and mono-*N*-*N*,-dimethylalkylamine salts as algicides or herbicides to control aquatic plants in canals, lakes, ponds,

and other potential sources of water, potable.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent combined residues of the herbicide, endothall (7 - oxabicyclo[2.2.1] heptane-2,3-dicarboxylic acid) in potable water from use of its potassium, sodium, di-*N*, *N* -dimethylalkylamine, and mono-*N*-*N*, -dimethylalkylamine salts as algicides or herbicides to control aquatic plants in canals, lakes, ponds, and other potable water sources that may lead to endothall residues in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 15.0 |
| Animal feed, nongrass, group 18, forage | 4.0 |
| Animal feed, nongrass, group 18, hay | 10 |
| Apple, wet pomace | 0.15 |
| Beet, sugar, molasses | 1.5 |
| Brassica, head and stem subgroup 5A | 0.1 |
| Brassica, leafy, subgroup 5B | 2.0 |
| Bushberry subgroup 13-07B | 0.6 |
| Caneberry subgroup 13-07A | 0.6 |
| Cattle, fat | 0.01 |
| Cattle, kidney | 0.20 |
| Cattle, liver | 0.10 |
| Cattle, meat | 0.03 |
| Corn, field, grain | 0.07 |
| Corn, pop, grain | 0.07 |
| Corn, sweet, kernel plus cob with husks removed | 0.3 |
| Citrus, dried pulp | 0.1 |
| Egg | 0.05 |
| Feed commodities not otherwise listed | 10.0 |
| Food commodities not otherwise listed | 5.0 |
| Fruit, citrus group 10 | 0.05 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.3 |
| Goat, fat | 0.005 |
| Goat, kidney | 0.15 |
| Goat, liver | 0.05 |
| Goat, meat | 0.015 |
| Grain, aspirated fractions | 35.0 |
| Grain cereal, forage, fodder and straw, group 16 | 10.0 |
| Grain, cereal, group 15, except corn | 4.0 |
| Grape | 1.0 |
| Grape, raisin | 5.0 |
| Grass, forage, fodder, and hay group 17, forage | 3.5 |
| Grass, forage, fodder, and hay group 17, hay | 18.0 |
| Herb and spice, group 19 | 5.0 |
| Hog, fat | 0.005 |
| Hog, kidney | 0.10 |
| Hog, liver | 0.05 |
| Hog, meat | 0.01 |
| Milk | 0.03 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.05 |
| Pea and bean, dried shelled, subgroup 6C | 0.2 |
| Pea and bean, succulent shelled, subgroup 6B | 2.0 |
| Peppermint, tops | 5.0 |
| Pistachio | 0.05 |
| Poultry, fat | 0.015 |
| Poultry, liver | 0.05 |
| Poultry, meat | 0.015 |
| Poultry, meat byproducts | 0.20 |
| Rice, hulls | 8.0 |
| Sheep, fat | 0.005 |
| Sheep, kidney | 0.15 |
| Sheep, liver | 0.05 |
| Sheep, meat | 0.015 |
| Soybean, hulls | 0.5 |
| Soybean, seed | 0.2 |
| Spearmint, tops | 5.0 |
| Tomato, paste | 0.1 |
| Tomato, puree | 0.1 |
| Vegetable, bulb, group 3-07 | 0.5 |
| Vegetable, cucurbit, group 9 | 1.5 |
| Vegetable, foliage of legume, group 7 | 4.0 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, leafy, except brassica, group 4 | 2.0 |
| Vegetable, leaves of root and tuber, group 2 | 3.0 |
| Vegetable, legume, edible, podded, subgroup 6A | 2.0 |
| Vegetable, root and tuber, group 1 | 1.0 |
| Wheat, milled byproducts | 5.0 |

[41 FR 23717, June 11, 1976, as amended at 51 FR 4498, Feb. 5, 1986; 62 FR 49931, Sept. 24, 1997; 63 FR 42249, Aug. 7, 1998; 67 FR 35048, May 17, 2002; 71 FR 47106, Aug. 16, 2006; 71 FR 74816, Dec. 13, 2006; 72 FR 52018, Sept. 12, 2007; 74 FR 67097, Dec. 18, 2009]

## § 180.297 *N*-1-Naphthyl phthalamic acid; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide *N*-1-naphthyl phthalamic acid from application of its sodium salt in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cantaloupe | 0.1(N) |
| Cucumber | 0.1(N) |
| Muskmelon | 0.1(N) |
| Watermelon | 0.1(N) |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 32306, May 16, 1980, as amended at 63 FR 57075, Oct. 26, 1998]

## § 180.298 Methidathion; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide methidathion (*O*,*O*-dimethyl

phosphorodithioate, *S*-ester with 4-(mercaptomethyl-2-methoxy-1,3,4-thiadiazolin-5-one) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 6.0 |
| Artichoke, globe | 0.05 |
| Citrus, oil | 420.0 |
| Cotton, undelinted seed | 0.2 |
| Fruit, citrus, group 10, except tangerine | 4.0 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Mango | 0.05 |
| Nut, tree, group 14 | 0.05 |
| Olive | 0.05 |
| Safflower, seed | 0.5 |
| Sorghum, forage, forage | 2.0 |
| Sorghum, grain, forage | 2.0 |
| Sorghum, grain, grain | 0.2 |
| Sorghum, grain, stover | 2.0 |
| Sunflower, seed | 0.5 |
| Tangerine | 6.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in §180.1(m), are established for residues of the insecticide methidathion (O,O-dimethyl phosphorodithioate, S-ester with 4-(mercaptomethyl-2-methoxy-1,3,4-thiadiazolin-5-one), in or on the following raw agricultural commodity:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Alfalfa, forage | 5.0 | 3/31/08 |
| Alfalfa, hay | 5.0 | 3/31/08 |
| Kiwifruit | 0.1 | None |
| Longan | 0.1 | None |
| Starfruit | 0.1 | None |
| Sugar apple | 0.2 | None |
| Timothy, forage | 5.0 | 3/31/08 |
| Timothy, hay | 5.0 | 3/31/08 |

(d) *Indirect or inadvertent residues*. [Reserved]

[43 FR 44845, Sept. 29, 1978, as amended at 43 FR 45363, Oct. 2, 1978; 46 FR 18314, Mar. 24, 1981; 50 FR 1054, Jan. 9, 1985; 50 FR 5070, Feb. 6, 1985; 53 FR 23391, June 22, 1988; 54 FR 20125, May 10, 1989; 55 FR 2377, Jan. 24, 1990; 55 FR 24083, June 14, 1990; 55 FR 49389, Nov. 28, 1990; 57 FR 31325, July 15, 1992; 63 FR 57075, Oct. 26, 1998; 66 FR 50833, Oct. 5, 2001; 72 FR 53460, Sept. 19, 2007; 75 FR 56015, Sept. 15, 2010]

## § 180.299 Dicrotophos; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide dicrotophos, dimethyl phosphate of 3-hydroxy-*N*,*N*-dimethyl-cis-crotonamide, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 2.0 |
| Cotton, undelinted seed | 0.2 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 52613, Sept. 10, 2008]

## § 180.300 Ethephon; tolerances for residues.

(a) *General*. Tolerances are established for residues of the plant regulator ethephon [(2-chloroethyl) phosphonic acid] in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Apple | 5.0 |
| Apple, juice | 10.0 |
| Barley, bran | 5.0 |
| Barley, grain | 2.0 |
| Barley, straw | 10.0 |
| Blackberry | 30.0 |
| Blueberry | 20.0 |
| Cantaloupe | 2.0 |
| Cattle, fat | 0.02 |
| Cattle, kidney | 1.0 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney | 0.2 |
| Cherry | 10.0 |
| Coffee, bean, green | 0.5 |
| Cotton, gin byproducts | 180.0 |
| Cotton, undelinted seed | 6.0 |
| Cucumber | 0.1 |
| Egg | 0.002 |
| Goat, fat | 0.02 |
| Goat, kidney | 1.0 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney | 0.2 |
| Grape | 2.0 |
| Grape, raisin | 12.0 |
| Hazelnut | 0.80 |
| Hog, fat | 0.02 |
| Hog, kidney | 1.0 |
| Hog, meat | 0.02 |
| Hog, meat byproducts, except kidney | 0.2 |
| Horse, fat | 0.02 |
| Horse, kidney | 1.0 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney | 0.2 |
| Milk | 0.01 |
| Nut, macadamia | 0.5 |
| Pepper | 30.0 |
| Pineapple | 2.0 |
| Poultry, fat | 0.02 |
| Poultry, liver | 0.05 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts, except liver | 0.01 |
| Sheep, fat | 0.02 |

| Commodity | Parts per million |
|---|---|
| Sheep, kidney | 1.0 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney | 0.2 |
| Sugarcane, molasses | 1.5 |
| Tomato | 2.0 |
| Walnut | 0.5 |
| Wheat, bran | 5.0 |
| Wheat, germ | 5.0 |
| Wheat, grain | 2.0 |
| Wheat, middlings | 5.0 |
| Wheat, shorts | 5.0 |
| Wheat, straw | 10.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with regional registration, as defined in § 180.1(m), of 0.1 part per million is established for residues of the plant regulator ethephon [(2-chloroethyl)phosphonic acid] in or on the food commodity sugarcane.

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33710, May 24, 2000, as amended at 72 FR 53455, Sept. 19, 2007; 75 FR 56015, Sept. 15, 2010]

### § 180.301 Carboxin; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide carboxin (5,6-dihydro-2-methyl-1,4-oxathiin-3-carboxanilide) and its metabolites determined as aniline and expressed as parent compound, in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.2 |
| Barley, straw | 0.2 |
| Bean, dry, seed | 0.2 |
| Bean, succulent | 0.2 |
| Canola, seed | 0.03 |
| Cattle, fat | 0.05 |
| Cattle, meat byproducts | 0.1 |
| Cattle, meat | 0.05 |
| Corn, field, forage | 0.2 |
| Corn, field, grain | 0.2 |
| Corn, field, stover | 0.2 |
| Corn, pop, grain | 0.2 |
| Corn, pop, stover | 0.2 |
| Corn, sweet, forage | 0.2 |
| Corn, sweet, kernel plus cob with husks removed | 0.2 |
| Corn, sweet, stover | 0.2 |
| Cotton, undelinted seed | 0.2 |
| Egg | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat byproducts | 0.1 |
| Goat, meat | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat byproducts | 0.1 |
| Hog, meat | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat byproducts | 0.1 |
| Horse, meat | 0.05 |
| Milk | 0.05 |
| Oat, forage | 0.5 |
| Oat, grain | 0.2 |
| Oat, straw | 0.2 |
| Onion, bulb | 0.2 |
| Peanut | 0.2 |
| Peanut, hay | 0.2 |
| Poultry, fat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Poultry, meat | 0.1 |
| Rice, grain | 0.2 |
| Rice, straw | 0.2 |
| Safflower, seed | 0.2 |
| Sheep, fat | 0.05 |
| Sheep, meat byproducts | 0.1 |
| Sheep, meat | 0.05 |
| Soybean, seed | 0.2 |
| Wheat, forage | 0.5 |
| Wheat, grain | 0.2 |
| Wheat, straw | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 55222, Dec. 8, 1982, as amended at 50 FR 81, Jan. 2, 1985; 62 FR 4915, Feb. 3, 1997; 63 FR 4586, Jan. 30, 1998; 64 FR 11801, Mar. 10, 1999; 66 FR 9773, Feb. 12, 2001; 66 FR 64773, Dec. 14, 2001; 67 FR 40218, June 12, 2002; 67 FR 72853, Dec. 9, 2002; 71 FR 56383, Sept. 27, 2006]

### § 180.303 Oxamyl; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide oxamyl, methyl *N*,*N*-dimethyl-*N*-[(methylcarbamoyl)-oxy]-1-thiooxamimidate, and its oxime metabolite methyl *N*,*N*-dimethyl-*N*-hydroxy-1-thiooxamimidate calculated as oxamyl in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Apple | 2 |
| Banana | 0.3 |
| Cantaloupe | 2.0 |
| Carrot | 0.1 |
| Celery | 10.0 |
| Cotton, undelinted seed | 0.2 |
| Cucumber | 2.0 |
| Eggplant | 2.0 |
| Fruit, citrus, group 10 | 3 |
| Garlic, bulb | 0.2 |
| Melon, honeydew | 2.0 |
| Onion, bulb | 0.2 |
| Peanut | 0.05 |
| Peanut, hay | 2.0 |
| Pear | 2.0 |

| Commodity | Parts per million |
|---|---|
| Peppermint, tops | 10.0 |
| Pepper, bell | 2.0 |
| Pepper, nonbell | 5.0 |
| Pineapple | 1 |
| Pineapple, process residue | 2.0 |
| Pumpkin | 2.0 |
| Soybean, seed | 0.1 |
| Spearmint, tops | 10.0 |
| Squash, summer | 2.0 |
| Squash, winter | 2.0 |
| Tomato | 2 |
| Vegetable, tuberous and corm, subgroup 1C | 0.1 |
| Watermelon | 2.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 54961, Sept. 24, 2008]

### § 180.304 Oryzalin; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide oryzalin, 3,5-dinitro-$N_4$,$N_4$-dipropylsulfanilamide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.05 |
| Avocado | 0.05 |
| Berry group 13 | 0.05 |
| Cranberry | 0.05 |
| Fig | 0.05 |
| Fruit, citrus, group 10 | 0.05 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Grape | 0.05 |
| Kiwifruit | 0.05 |
| Nut, tree, group 14 | 0.05 |
| Olive | 0.05 |
| Pistachio | 0.05 |
| Pomegranate | 0.05 |
| Strawberry | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for residues of oryzalin, 3,5-dinitro-$N_4$,$N_4$-dipropylsulfanilamide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Guava | 0.05 |
| Papaya | 0.05 |

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 54434, Sept. 15, 2006 as amended by 76 FR 34885, June 15, 2011]

### § 180.311 Cacodylic acid; tolerances for residues.

(a) *General*. A tolerance is established for residues of the defoliant cacodylic acid, dimethylarsinic acid, including its metabolites and degradates, in or on the commodity in the following table. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only those cacodylic acid residues convertible to $As_2O3$, expressed as the stoichiometric equivalent of cacodylic acid, in or on the commodity.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Cotton, undelinted seed | 2.8 | 1/1/12 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 6567, Feb. 11, 2004, as amended at 75 FR 60243, Sept. 29, 2010]

### § 180.314 Triallate; tolerances for residues.

(a) *General*. Tolerances are established for residues of triallate, S-2,3,4-trichloroallyl diisopropylthiocarbamate and its metabolite 2,3,3-trichloroprop-2-enesulfonic acid (TCPSA) in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Bermudagrass, hay | 0.3 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with a regional registration, as defined in 180.1(l),are established for residues of the herbicide (S-2, 3, 4-trichloroallyl diisopropylthiocarbamate) and its metabolite 2, 3, 3-trichloroprop-2-enesulfonic acid (TCPSA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, hay | 1.0 |
| Barley, straw | 0.3 |
| Beet, sugar, dried pulp | 0.2 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 0.5 |
| Pea, dry | 0.2 |
| Pea, field, hay | 1.0 |
| Pea, field, vines | 0.5 |
| Pea, succulent | 0.2 |
| Wheat, forage | 0.5 |
| Wheat, grain | 0.05 |
| Wheat, hay | 1.0 |
| Wheat, straw | 1.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 28888, May 23, 2007, as amended at 73 FR 5109, Jan. 29, 2008; 73 FR 53738, Sept. 17, 2008; 74 FR 29963, June 24, 2009]

### § 180.315 Methamidophos; tolerances for residues.

(a) *General.* Tolerances are established for residues of methamidophos, *O,S*-dimethyl phosphoramidothioate, including its metabolites and degradates, in or on the commodities in the following table as a result of the application of methamidophos. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only methamidophos, *O,S*-dimethyl phosphoramidothioate, in or on the commodity.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Broccoli[1] | 1.0 | 12/31/12 |
| Cabbage[2] | 1.0 | 12/31/12 |
| Cotton, undelinted seed | 0.1 | 12/31/13 |
| Potato | 0.1 | 12/31/13 |

[1] There are no U.S. registrations since 1989.
[2] There are no U.S. registrations since 2001.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with a regional registration is established for residues of methamidophos, *O,S*-dimethyl phosphoramidothioate, including its metabolites and degradates, in or on the commodity in the following table as a result of the application of methamidophos. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only methamidophos, *O,S*-dimethyl phosphoramidothioate, in or on the commodity.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Tomato | 2.0 | 12/31/13 |

(d) *Indirect or inadvertent residues.* [Reserved]

[75 FR 60243, Sept. 29, 2010]

### § 180.316 Pyrazon; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the herbicide pyrazon (5-amino-4-chloro-2-phenyl-3(2H)-pyridazinone) and its metabolites (calculated as pyrazon) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.9 |
| Beet, garden, tops | 7.0 |
| Beet, sugar, molasses | 1.5 |
| Beet, sugar, roots | 0.2 |
| Beet, sugar, tops | 3.0 |
| Cattle, fat | 0.10 |
| Cattle, liver | 0.15 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts, except liver | 0.10 |
| Goat, fat | 0.10 |
| Goat, liver | 0.15 |
| Goat, meat | 0.10 |
| Goat, meat byproducts, except liver | 0.10 |
| Horse, fat | 0.10 |
| Horse, liver | 0.15 |
| Horse, meat | 0.10 |
| Horse, meat byproducts, except liver | 0.10 |
| Milk | 0.02 |
| Sheep, fat | 0.10 |
| Sheep, liver | 0.15 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts, except liver | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for combined residues of the herbicide pyrazon, 5-amino-4-chloro-2-phenyl-3(2*H*)-pyridazinone, and its metabolites (calculated as pyrazon), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.5 |
| Corn, field, stover | 0.5 |
| Soybean, forage | 0.5 |
| Soybean, hay | 0.5 |
| Wheat, forage | 0.3 |
| Wheat, hay | 0.2 |
| Wheat, straw | 0.1 |

[68 FR 39441, July 1, 2003, as amended at 73 FR 52614, Sept. 10, 2008]

### § 180.317 Propyzamide; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide propyzamide, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those propyzamide residues convertible to methyl 3,5-dichlorobenzoate, expressed as the stoichiometric equivalent of propyzamide, 3,5-dichloro-*N*-(1,1-dimethyl-2-propynyl)benzamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, seed | 10.0 |
| Animal feed, nongrass, group 18 | 10.0 |
| Apple | 0.1 |
| Artichoke, globe | 0.01 |
| Blackberry | 0.05 |
| Blueberry | 0.05 |
| Boysenberry | 0.05 |
| Cattle, fat | 0.2 |
| Cattle, kidney | 0.4 |
| Cattle, liver | 0.4 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney and liver | 0.02 |
| Egg | 0.02 |
| Endive | 1.0 |
| Fruit, stone, group 12 | 0.1 |
| Goat, fat | 0.2 |
| Goat, kidney | 0.4 |
| Goat, liver | 0.4 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney and liver | 0.02 |
| Grape | 0.1 |
| Hog, fat | 0.2 |
| Hog, kidney | 0.4 |
| Hog, liver | 0.4 |
| Hog, meat | 0.02 |
| Hog, meat byproducts, except kidney and liver | 0.02 |
| Horse, fat | 0.2 |
| Horse, kidney | 0.4 |
| Horse, liver | 0.4 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney and liver | 0.02 |
| Lettuce, head | 1.0 |
| Milk | 0.02 |
| Pear | 0.1 |
| Poultry, fat | 0.02 |
| Poultry, liver | 0.2 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts, except liver | 0.02 |
| Radicchio | 2.0 |
| Raspberry | 0.05 |
| Sheep, fat | 0.2 |
| Sheep, kidney | 0.4 |
| Sheep, liver | 0.4 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney and liver | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the herbicide propyzamide, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those propyzamide residues convertible to methyl 3,5-dichlorobenzoate, expressed as the stoichiometric equivalent of propyzamide, 3,5-dichloro-*N*-(1,1-dimethyl-2-propynyl)benzamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Pea, field, seed | 0.05 |
| Rhubarb | 0.1 |

(d) *Indirect or inadvertent residues*. Tolerances are established for indirect or inadvertent residues of the herbicide propyzamide, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only those propyzamide residues convertible to methyl 3,5-dichlorobenzoate, expressed as the stoichiometric equivalent of propyzamide, 3,5-dichloro-*N*-(1,1-dimethyl-2-propynyl)benzamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Grain, cereal, forage, group 16 | 0.6 |
| Grain, cereal, hay, group 16 | 0.2 |
| Grain, cereal, straw, group 16 | 0.3 |

[72 FR 52018, Sept. 12, 2007, as amended at 76 FR 23493, Apr. 27, 2011]

### § 180.318 4-(2-Methyl-4-chlorophenoxy) butyric acid; tolerance for residues.

(a) *General*. (1) A tolerance is established for the herbicide 4-(2-methyl-4-chlorophenoxy) butyric acid in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Pea | 0.1(N) |

(2) Tolerances are established for the combined residues, free and conjugated, of the herbicide MCPB, 4-(4-chloro-2-methylphenoxy)butanoic acid, and its metabolite MCPA, (4-chloro-2-methylphenoxy)acetic acid, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Peppermint, tops | 0.20 |
| Spearmint, tops | 0.20 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39441, July 1, 2003, as amended at 73 FR 66785, Nov. 12, 2008]

## § 180.319 Interim tolerances.

While petitions for tolerances for negligible residues are pending and until action is completed on these petitions, interim tolerances are established for residues of the listed pesticide chemicals in or on the following raw agricultural commodities:

| Substances | Uses | Tolerance in parts per million | Raw agricultural commodity |
|---|---|---|---|
| Coordination product of zinc ion and maneb. | Fungicide | 1.0 (Calculated as zinc ethylenebisdithiocarbamate) | Potato |
| Endothall (7-oxabicyclo-(2,2,1) heptane 2,3- dicarboxylic acid). | Herbicide | 0.2 | Beet, sugar |
| Isopropyl carbanilate (IPC) | Herbicide | 5.0 | Alfalfa, hay; clover, hay; and grass, hay |
| | | 2.0 | Alfalfa, forage; clover, forage; and grass, forage |
| | | 0.1 | Flax, seed; lentil; lettuce, head and lettuce, leaf; pea; safflower, seed; spinach; and beet, sugar, roots and beet, sugar, tops |
| | | 0.5 | Egg; cattle, fat; cattle meat; cattle, meat byproducts; goat, fat; goat, meat; goat, meat byproducts; hog, fat; hog, meat; hog, meat byproducts; horse, fat; horse, meat; horse, meat byproducts; milk; sheep, fat; sheep meat; sheep, meat byproducts; poultry, fat; poultry, meat; poultry, meat byproducts |
| Parathion (O,O-diethyl-O-p-nitrophenythiophosphate) or its methyl homolog. | Herbicide | 0.5 | Rye |

[71 FR 74816, Dec. 13, 2006, as amended at 72 FR 37654, July 11, 2007; 73 FR 52614, Sept. 10, 2008; 74 FR 47457, Sept. 16, 2009]

## § 180.324 Bromoxynil; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide bromoxynil, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels is to be determined by measuring only bromoxynil, 3,5-dibromo-4-hydroxybenzonitrile, resulting from application of its octanoic and/or heptanoic acid ester, in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.1 |
| Alfalfa, hay | 0.5 |
| Barley, grain | 0.05 |
| Barley, hay | 9.0 |
| Barley, straw | 4.0 |
| Corn, field, forage | 0.3 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.2 |
| Corn, pop, grain | 0.05 |

| Commodity | Parts per million |
|---|---|
| Corn, pop, stover | 0.2 |
| Flax, seed | 0.1 |
| Garlic | 0.1 |
| Grain, aspirated fractions | 1.2 |
| Grass, forage | 18 |
| Grass, hay | 5.0 |
| Oat, forage | 0.3 |
| Oat, grain | 0.05 |
| Oat, hay | 9.0 |
| Oat, straw | 4.0 |
| Onion, bulb | 0.1 |
| Peppermint, hay | 0.1 |
| Rye, forage | 1.0 |
| Rye, grain | 0.05 |
| Rye, straw | 2.0 |
| Sorghum, grain, forage | 0.8 |
| Sorghum, grain, grain | 0.2 |
| Sorghum, grain, stover | 0.2 |
| Spearmint, hay | 0.1 |
| Wheat, forage | 1.0 |
| Wheat, grain | 0.05 |
| Wheat, hay | 4.0 |
| Wheat, straw | 2.0 |

(2) Tolerances are established for residues of the herbicide bromoxynil, 3,5-dibromo-4-hydroxybenzonitrile, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels is to be determined by measuring only bromoxynil and its metabolite, 3,5-dibromo-4-hydroxybenzoic acid (DBHA), resulting from application of its octanoic and/or heptanoic acid ester, in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 1 |
| Cattle, meat byproducts | 3.5 |
| Cattle, meat | 0.5 |
| Cotton, gin byproducts | 7.0 |
| Cotton, hulls | 5.0 |
| Cotton, undelinted seed | 1.5 |
| Egg | 0.05 |
| Goat, fat | 1 |
| Goat, meat byproducts | 3.5 |
| Goat, meat | 0.5 |
| Hog, fat | 1 |
| Hog, meat byproducts | 3.5 |
| Hog, meat | 0.5 |
| Horse, fat | 1 |
| Horse, meat byproducts | 3.5 |
| Horse, meat | 0.5 |
| Milk | 0.4 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.3 |
| Poultry, meat | 0.05 |
| Sheep, fat | 1 |
| Sheep, meat byproducts | 3.5 |
| Sheep, meat | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 33023, June 18, 1997, as amended at 63 FR 26480, May 13, 1998; 66 FR 47402, Sept. 12, 2001; 70 FR 7046, Feb. 10, 2005; 72 FR 35666, June 29, 2007; 72 FR 41930, Aug. 1, 2007; 76 FR 31491, June 1, 2011]

### § 180.328 Napropamide; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide napropamide, *N*,*N*-diethyl-2-(1-napthalenyloxy) propionamide, in or on the following food commodities:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Almond, hulls | 0.1 | None |
| Asparagus | 0.1 | None |
| Basil | 0.1 | None |
| Berry group 13 | 0.1 | None |
| Coffee, green bean | 0.1 | None |
| Cranberry | 0.1 | None |
| Grape | 0.1 | None |
| Kiwifruit | 0.1 | None |
| Marjoram | 0.1 | None |
| Nut, tree, group 14 | 0.1 | None |
| Peppermint, tops | 0.1 | None |
| Persimmon | 0.1 | None |
| Rhubarb | 0.1 | None |
| Rosemary | 0.1 | None |
| Savory, summer | 0.1 | None |
| Savory, winter | 0.1 | None |
| Spearmint, tops | 0.1 | None |
| Strawberry | 0.1 | None |
| Sweet potato, roots | 0.1 | None |
| Vegetable, brassica, leafy, group 5 | 0.1 | None |
| Vegetable, fruiting, group 8 | 0.1 | None |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 52614, Sept. 10, 2008, as amended at 76 FR 34885, June 15, 2011]

### § 180.330 S-(2-(Ethylsulfinyl)ethyl) O,O-dimethyl phosphorothioate; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the insecticide oxydemeton-methyl (S-(2-(ethylsulfinyl)ethyl) O,O-dimethyl phosphorothioate) and its metabolite oxydemeton-methyl sulfone in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 5.0 |
| Alfalfa, hay | 11.0 |

| Commodity | Parts per million |
|---|---|
| Bean, lima | 0.2 |
| Beet, sugar, roots | 0.3 |
| Beet, sugar, tops | 0.5 |
| Broccoli | 1.0 |
| Brussels sprouts | 1.0 |
| Cabbage | 2.0 |
| Cauliflower | 1.0 |
| Clover, forage | 5.0 |
| Clover, hay | 10.0 |
| Corn, sweet, forage | 1.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.5 |
| Corn, sweet, stover | 3.0 |
| Cotton, undelinted seed | 0.02 |
| Cucumber | 1.0 |
| Eggplant | 1.0 |
| Grapefruit | 1.0 |
| Hazelnut | 0.05 |
| Lemon | 1.0 |
| Lettuce, head | 2.0 |
| Melon | 0.2 |
| Onion, bulb | 0.05 |
| Orange | 1.0 |
| Pepper | 0.75 |
| Peppermint, tops | 12.5 |
| Pumpkin | 0.2 |
| Safflower, seed | 1.0 |
| Sorghum, forage, forage | 2.0 |
| Sorghum, grain, forage | 2.0 |
| Sorghum, grain, grain | 0.75 |
| Spearmint, tops | 12.5 |
| Squash, summer | 1.0 |
| Squash, winter | 0.3 |
| Strawberry | 2.0 |
| Walnut | 0.05 |

(2) Tolerances are established for the combined residues of the insecticide oxydemeton-methyl (S-(2-(ethylsulfinyl)ethyl) O,O-dimethyl phosphorothioate) and its cholinesterase-inhibiting metabolites in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.01 |
| Egg | 0.01 |
| Goat, fat | 0.01 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.01 |
| Hog, fat | 0.01 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.01 |
| Horse, fat | 0.01 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.01 |
| Milk | 0.01 |
| Poultry, fat | 0.01 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations, as defined in § 180.1(l), are established for the combined residues of the insecticide oxydemeton-methyl (S-(2-(ethylsulfinyl)-ethyl) O,O-dimethyl phosphorothioate) and its metabolite oxydemeton-methyl sulfone in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Broccoli raab | 2.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 54578, Sept. 26, 2007]

### § 180.331 4-(2,4-Dichlorophenoxy) butyric acid; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide 4-(2,4-dichlorophenoxy) butyric acid (2,4-DB), both free and conjugated, determined as the acid, in or on food commodities, as follows:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.7 |
| Alfalfa, hay | 2.0 |
| Cattle, meat byproducts | 0.05 |
| Clover, forage | 0.2 |
| Clover, hay | 0.2 |
| Goat, meat byproducts | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, meat byproducts | 0.05 |
| Peanut | 0.2 |
| Peppermint, tops | 0.2 |
| Sheep, meat byproducts | 0.05 |
| Soybean, forage | 0.7 |
| Soybean, hay | 2.0 |
| Soybean, seed | 0.5 |
| Spearmint, tops | 0.2 |
| Trefoil, forage | 0.7 |
| Trefoil, hay | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 54961, Sept. 24, 2008, as amended at 74 FR 46374, Sept. 9, 2009]

### § 180.332 Metribuzin; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the herbicide metribuzin (4-amino-6-(1,1-dimethyl- ethyl)-3-(methylthio)-;1,2,4-triazin-5(4*H*)-one) and its triazinone metabolites in or on food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 2.0 |
| Alfalfa, hay | 7.0 |
| Asparagus | 0.1 |
| Barley, grain | 0.75 |
| Barley, hay | 7.0 |
| Barley, pearled barley | 3.0 |
| Barley, straw | 1.0 |
| Carrot, roots | 0.3 |
| Cattle, fat | 0.7 |
| Cattle, meat | 0.7 |
| Cattle, meat byproducts | 0.7 |
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.1 |
| Corn, pop, grain | 0.05 |
| Corn, sweet, forage | 0.1 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.1 |
| Egg | 0.01 |
| Goat, fat | 0.7 |
| Goat, meat | 0.7 |
| Goat, meat byproducts | 0.7 |
| Grass, forage | 2.0 |
| Grass, hay | 7.0 |
| Hog, fat | 0.7 |
| Hog, meat | 0.7 |
| Hog, meat byproducts | 0.7 |
| Horse, fat | 0.7 |
| Horse, meat | 0.7 |
| Horse, meat byproducts | 0.7 |
| Lentil | 0.05 |
| Milk | 0.05 |
| Pea, dry, seed | 0.05 |
| Pea, field, hay | 4.0 |
| Pea, field, vines | 0.5 |
| Pea, succulent | 0.1 |
| Potato | 0.6 |
| Potato, chips | 3.0 |
| Potato, processed potato waste | 3.0 |
| Poultry, fat | 0.7 |
| Poultry, meat | 0.7 |
| Poultry, meat byproducts | 0.7 |
| Sainfoin, forage | 2.0 |
| Sainfoin, hay | 7.0 |
| Sheep, fat | 0.7 |
| Sheep, meat | 0.7 |
| Sheep, meat byproducts | 0.7 |
| Soybean, seed | 0.3 |
| Soybean, forage | 4.0 |
| Soybean, hay | 4.0 |
| Sugarcane, cane | 0.1 |
| Sugarcane, molasses | 2.0 |
| Tomato | 0.1 |
| Wheat, bran | 3.0 |
| Wheat, forage | 2.0 |
| Wheat, germ | 3.0 |
| Wheat, grain | 0.75 |
| Wheat, hay | 7.0 |
| Wheat, middlings | 3.0 |
| Wheat, shorts | 3.0 |
| Wheat, straw | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[42 FR 62913, Dec. 14, 1977, as amended at 43 FR 41396, Sept. 18, 1978; 44 FR 26744, May 7, 1979; 44 FR 45387, Aug. 2, 1979; 52 FR 23654, June 24, 1987; 55 FR 26440, June 28, 1990; 62 FR 66024, 66025, Dec. 17, 1997; 65 FR 33698, May 24, 2000; 66 FR 63198, Dec. 5, 2001; 67 FR 49617, July 31, 2002]

## § 180.337 Oxytetracycline; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide/bactericide oxytetracycline, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only oxytetracycline, (4S,4aR,5S,5aR,6S,12aS)-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Apple | 0.35 |
| Peach | 0.35 |
| Pear | 0.35 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[76 FR 23493, Apr. 27, 2011]

## § 180.339 MCPA; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide MCPA ((4-chloro-2-methylphenoxy)acetic acid), both free and conjugated, resulting from the direct application of MCPA or its sodium or dimethylamine salts, or its 2-ethylhexyl ester in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.5 |
| Alfalfa, hay | 2.0 |
| Barley, grain | 1.0 |
| Barley, hay | 40 |
| Barley, straw | 25 |

| Commodity | Parts per million |
|---|---|
| Clover, forage | 0.5 |
| Clover, hay | 2.0 |
| Flax, seed | 0.1 |
| Grain, aspirated fractions | 3.0 |
| Grass, forage | 300 |
| Grass, hay | 20 |
| Lespedeza, forage | 0.5 |
| Lespedeza, hay | 2.0 |
| Oat, forage | 20 |
| Oat, grain | 1.0 |
| Oat, hay | 115 |
| Oat, straw | 25 |
| Pea, dry | 0.1 |
| Pea, field, hay | 0.1 |
| Pea, succulent | 0.1 |
| Pea, field, vines | 0.1 |
| Rye, forage | 20 |
| Rye, grain | 1.0 |
| Rye, straw | 25 |
| Trefoil, forage | 0.5 |
| Trefoil, hay | 2.0 |
| Vetch, forage | 0.5 |
| Vetch, hay | 2.0 |
| Wheat, forage | 20 |
| Wheat, grain | 1.0 |
| Wheat, hay | 115 |
| Wheat, straw | 25 |

(2) Tolerances are established for residues of the herbicide MCPA ((4-chloro-2-methylphenoxy)acetic acid) resulting from the direct application of MCPA or its sodium or dimethylamine salts, or its 2-ethylhexyl ester in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Hog, fat | 0.1 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Milk | 0.1 |
| Sheep, fat | 0.1 |
| Sheep meat | 0.1 |
| Sheep meat byproducts | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 28888, May 23, 2007, as amended at 73 FR 5109, Jan. 29, 2008]

## § 180.341 2,4-Dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate; tolerances for residues.

(a) *General.* Tolerances are established for combined negligible residues of a fungicide and insecticide that is a mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Apple [1] | 0.1 |
| Grape [1] | 0.1 |

[1] There are no U.S. registrations on apple and grape as of October 24, 2002.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[40 FR 29715, July 15, 1975, as amended at 63 FR 57076, Oct. 26, 1998; 69 FR 43924, July 23, 2004]

## § 180.342 Chlorpyrifos; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the pesticide chlorpyrifos *per se* (*O,O*-diethyl-*O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.0 |
| Alfalfa, hay | 13 |
| Almond | 0.2 |
| Almond, hulls | 12 |
| Apple | 0.01 |
| Apple, wet pomace | 0.02 |
| Banana | 0.1 |
| Beet, sugar, dried pulp | 5.0 |
| Beet, sugar, molasses | 15 |
| Beet, sugar, roots | 1.0 |
| Beet, sugar, tops | 8.0 |
| Cattle, fat | 0.3 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cherry, sweet | 1.0 |
| Cherry, tart | 1.0 |
| Citrus, dried pulp | 5.0 |
| Citrus, oil | 20 |
| Corn, field, forage | 8.0 |
| Corn, field, grain | 0.05 |
| Corn, field, refined oil | 0.25 |
| Corn, field, stover | 8.0 |
| Corn, sweet, forage | 8.0 |
| Corn, sweet, kernel plus cob with husk removed | 0.05 |
| Corn, sweet, stover | 8.0 |
| Cotton, undelinted seed | 0.2 |
| Cranberry | 1.0 |

| Commodity | Parts per million |
|---|---|
| Cucumber | 0.05 |
| Egg | 0.01 |
| Fig | 0.01 |
| Fruit, citrus, group 10 | 1.0 |
| Goat, fat | 0.2 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Hazelnut | 0.2 |
| Hog, fat | 0.2 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.25 |
| Horse, meat | 0.25 |
| Horse, meat byproducts | 0.25 |
| Kiwifruit | 2.0 |
| Lettuce | 1.0 |
| Milk, fat (Reflecting 0.01 ppm in whole milk) | 0.25 |
| Nectarine | 0.05 |
| Onion, bulb | 0.5 |
| Peach | 0.05 |
| Peanut | 0.2 |
| Peanut, refined oil | 0.2 |
| Pear | 0.05 |
| Pecan | 0.2 |
| Pepper | 1.0 |
| Peppermint, tops | 0.8 |
| Peppermint, oil | 8.0 |
| Plum, prune, fresh | 0.05 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Pumpkin | 0.05 |
| Radish | 2.0 |
| Rutabaga | 0.5 |
| Sheep, fat | 0.2 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Spearmint, tops | 0.8 |
| Spearmint, oil | 8.0 |
| Sorghum, grain, forage | 0.5 |
| Sorghum, grain, grain | 0.5 |
| Sorghum, grain, stover | 2.0 |
| Soybean, seed | 0.3 |
| Strawberry | 0.2 |
| Sunflower, seed | 0.1 |
| Sweet potato, roots | 0.05 |
| Turnip, roots | 1.0 |
| Turnip, tops | 0.3 |
| Vegetable, brassica, leafy, group 5 | 1.0 |
| Vegetable, legume, group 6. except soybean | 0.05 |
| Walnut | 0.2 |
| Wheat, forage | 3.0 |
| Wheat, grain | 0.5 |
| Wheat, straw | 6.0 |

(2) Chlorpyrifos [*O*,*O*-diethyl *O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate] may be safely used in accordance with the following prescribed conditions.

(i) Application shall be limited solely to spot and/or crack and crevice treatment in food handling establishments where food and food products are held, processed, prepared or served. Contamination of food or food contact surfaces shall be avoided. Food must be removed or covered during treatment.

(ii) Spray concentration for spot treatment shall be limited to a maximum of 0.5 percent of the active ingredient by weight. A course, low-pressure spray shall be used to avoid atomization or splashing of the spray.

(iii) Paint-on application for spot treatment shall be limited to a maximum of 2 percent of the active ingredient by weight.

(iv) Crack and crevice treatment shall be limited to a maximum of 2 percent of the active ingredient by weight. Equipment capable of delivering a pin-stream of insecticide shall be used.

(v) Application via adhesive strips shall contain a maximum of 10% by weight of the controlled-release product in food-handling establishments where food and food products are held, processed, prepared, or served. A maximum of 36 strips (or 5.15 grams of chlorpyrifos) is to be used per 100 square feet of floor space. The strips are not to be placed in exposed areas where direct contact with food, utensils, and food-contact surfaces would be likely to occur.

(vi) To assure safe use of the insecticide, its label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(3) A tolerance of 0.1 part per million is established for residues of chlorpyrifos, per se, in or on food commodities (other than those already covered by a higher tolerance as a result of use on growing crops) in food service establishments where food and food products are prepared and served, as a result of the application of chlorpyrifos in microencapsulated form.

(i) Application of a microencapsulated product shall be limited solely to spot and/or crack and crevice treatment in food handling establishments where food and food products are prepared and served. All treatments shall be applied in such a manner as to avoid contamination of food or food contact surfaces.

(ii) Spray concentrations shall be limited to a maximum of 0.5 percent of the active ingredient by weight.

(iii) For crack and crevice treatment, equipment capable of delivering a pin stream of spray directly into cracks and crevices or capable of applying

small amounts of insecticide into cracks and crevices shall be used.

(iv) For spot treatment, an individual spot shall not exceed 2 square feet.

(v) To assure safe use of the insecticide, its label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in 180.1(l), are established for residues of the pesticide chlorpyrifos *per se* (*O,O*-diethyl- *O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Asparagus | 5.0 |
| Grape | 0.01 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33711, May 24, 2000, as amended at 67 FR 49617, July 31, 2002; 71 FR 74817, Dec. 13, 2006; 73 FR 53739, Sept. 17, 2008]

### § 180.345 Ethofumesate; tolerances for residues.

(a) *General.* Tolerances for the combined residues of the herbicide ethofumesate (2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate) and its metabolites 2-hydroxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate and 2,3-dihydro-3,3-dimethyl-2-oxo-5-benzofuranyl methanesulfonate both calculated as parent compound in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.5 |
| Beet, garden, tops | 5.0 |
| Beet, sugar, molasses | 0.5 |
| Beet, sugar, refined sugar | 0.2 |
| Beet, sugar, roots | 0.3 |
| Beet, sugar, tops | 4.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Garlic | 0.25 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Grass, straw | 1.0 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Onion, bulb | 0.25 |
| Shallot, bulb | 0.25 |
| Shallot, fresh leaves | 0.25 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* Tolerances with regional registration as defined in 40 CFR 180.1(l) are established for the combined residues of ethofumesate,(2-ethoxy -2, 3-dihydro-3, 3-dimethyl-5-benzofuranyl methanesulfonate) and its metabolites 2-hydroxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate and 2,3-dihydro-3,3-dimethyl-2-oxo-5-benzofuranyl methanesulfonate (both calculated as the parent compound) in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Carrot, roots | 7.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 34828, June 26, 1998, as amended at 71 FR 51516, Aug. 30, 2006; 72 FR 52019, Sept. 12, 2007]

### § 180.349 Fenamiphos; tolerances for residues.

(a) *General.* Tolerances are established for residues of the nematicide/insecticide fenamiphos, ethyl 3-methyl-4-(methylthio)phenyl 1-(methylethyl)phosphoramidate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fenamiphos, ethyl 3-methyl-4-(methylthio)phenyl 1-(methylethyl)phosphoramidate, and its cholinesterase inhibiting metabolites ethyl 3-methyl-4-(methylsulfinyl)phenyl 1-(methylethyl)phosphoramidate and ethyl 3-methyl-4-(methylsulfonyl)phenyl 1-

(methylethyl)phosphoramidate, calculated as the stoichiometric equivalent of fenamiphos, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Banana[1] | 0.1 |
| Grape[1] | 0.1 |
| Grape, raisin[1] | 0.3 |
| Pineapple[1] | 0.3 |

[1] There are no U.S. registrations as of May 31, 2007.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33712, May 24, 2000, as amended at 73 FR 53739, Sept. 17, 2008; 75 FR 60243, Sept. 29, 2010]

### § 180.350 Nitrapyrin; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the soil microbiocide nitrapyrin [2-chloro-6-(trichloromethyl) pyridine] and its metabolite, 6-chloropicolinic acid in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 1.0 |
| Corn, field, grain | 0.1 |
| Corn, field, milled byproducts | 0.2 |
| Corn, field, stover | 1.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 1.0 |
| Corn, sweet, forage | 1.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |
| Corn, sweet, stover | 1.0 |
| Sorghum, forage, forage | 0.5 |
| Sorghum, grain, forage | 0.5 |
| Sorghum, grain, grain | 0.1 |
| Sorghum, grain, stover | 0.5 |
| Wheat, bran | 3.0 |
| Wheat, forage | 2.0 |
| Wheat, grain | 0.5 |
| Wheat, milled byproducts, except flour | 2.0 |
| Wheat, straw | 6.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[46 FR 58315, Dec. 1, 1981, as amended at 47 FR 22957, May 26, 1982; 52 FR 33238, Sept. 2, 1987; 58 FR 32304, June 9, 1993; 63 FR 57076, Oct. 26, 1998; 72 FR 53461, Sept. 19, 2007]

### § 180.352 Terbufos; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide terbufos (phosphorodithioic acid, *S*-(t-butylthio)methyl *O*,*O*-diethyl ester) and its phosphorylated (cholinesterase-inhibiting) metabolites (phosphorothioic acid, *S*-(t-butylthio)methyl *O*,*O*-diethyl ester; phosphorothioic acid, *S*-(t-butylsulfinyl)methyl *O*,*O*-diethyl ester; phosphorothioic acid, *S*-(t-butylsulfonyl)methyl *O*,*O*-diethyl ester; phosphorodithioic acid, *S*-(t-butylsulfinyl)methyl *O*,*O*-diethyl ester; and phosphorodithioic acid, *S*-(t-butylsulfonyl)methyl *O*,*O*-diethyl ester) in or on food commodities:

| Commodity | Parts per million |
|---|---|
| Banana | 0.025 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 0.1 |
| Coffee, green bean[1] | 0.05 |
| Corn, field, forage | 0.5 |
| Corn, field, grain | 0.5 |
| Corn, field, stover | 0.5 |
| Corn, pop, grain | 0.5 |
| Corn, pop, stover | 0.5 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, forage | 0.5 |
| Corn, sweet, stover | 0.5 |
| Sorghum, grain, forage | 0.5 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.5 |

[1] There are no U. S. registrations as of August 2, 1995, for the use of terbufos on the growing crop, coffee.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 53740, Sept. 17, 2008]

### § 180.353 Desmedipham; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide desmedipham, (ethyl-*m*-hydroxycarbanilate carbanilate) in or on the following raw agricultural commodities in the table that follows:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.05 |
| Beet, garden, tops | 1.0 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 5.0 |

| Commodity | Parts per million |
|---|---|
| Spinach | 6.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[40 FR 4658, Jan. 31, 1975, as amended at 62 FR 45747, Aug. 29, 1997; 63 FR 49472, Sept. 16, 1998; 64 FR 46292, Aug. 25, 1999; 65 FR 82293, Dec. 28, 2000; 66 FR 64773, Dec. 14, 2001; 68 FR 37764, June 25, 2003; 69 FR 71717, Dec. 10, 2004; 72 FR 53449, Sept. 19, 2007; 73 FR 53740, Sept. 17, 2008]

## § 180.355 Bentazon; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of the herbicide bentazon (3-isopropyl-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one-2,2-dioxide) and its 6- and 8-hydroxy metabolites in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.05 |
| Bean, succulent | 0.5 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 3.0 |
| Corn, pop, grain | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cowpea, forage | 10.0 |
| Cowpea, hay | 3.0 |
| Flax, seed | 1.0 |
| Pea, dry, seed | 1.0 |
| Pea, field, hay | 8.0 |
| Pea, field, vines | 3.0 |
| Pea, succulent | 3.0 |
| Peanut | 0.05 |
| Peanut, hay | 3.0 |
| Pepper, nonbell | 0.05 |
| Peppermint, tops | 1.0 |
| Rice, grain | 0.05 |
| Rice, hulls | 0.25 |
| Rice, straw | 3.0 |
| Sorghum, forage | 0.20 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.05 |
| Soybean, forage | 8.0 |
| Soybean, hay | 8.0 |
| Soybean, seed | 0.05 |
| Spearmint, tops | 1.0 |

(2) Tolerances are established for the combined residues of the herbicide bentazon (3-isopropyl-1*H*-2,1,3-benzothiadiazin-4(3*H*)-one-2,2-dioxide) and its metabolite 2-amino-*N*-isopropyl benzamide (AIBA) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cattle, meat | 0.05 |
| Egg | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Goat, meat | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Hog, meat | 0.05 |
| Milk | 0.02 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Poultry, meat | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Sheep, meat | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration as defined in § 180.1(m), are established for combined residues of the herbicide, bentazon (3-isopropyl-1H-2,1,3-benzothiadiazin-4(3H)-one-2,2-dioxide) and its 6- and 8-hydroxy metabolites in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Clover, forage | 1.0 |
| Clover, hay | 2.0 |

(d) *Indirect or inadvertent residues*. [Reserved]

[42 FR 26979, May 26, 1977]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.355, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.356 Norflurazon; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the herbicide norflurazon (4-chloro-5-(methylamino)-2-(alpha, alpha, alpha-trifluoro-*m*-tolyl)-3-(2*H*)-pyridazinone) and its desmethyl metabolite 4-chloro-5-(amino)-2-alpha, alpha, alpha-trifluoro-*m*-tolyl)-3(2*H*)-pyridazinone in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.0 |
| Alfalfa, hay | 5.0 |
| Alfalfa, seed | 0.1 |
| Almond, hulls | 1.0 |
| Almond | 0.1 |
| Apple | 0.1 |
| Apricot | 0.1 |
| Asparagus | 0.05 |
| Avocado | 0.20 |
| Blackberry | 0.1 |
| Blueberry | 0.2 |
| Cattle, fat | 0.1 |
| Cattle, liver | 0.50 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts, except liver | 0.1 |
| Cherry | 0.1 |
| Citrus, dried pulp | 0.4 |
| Citrus, molasses | 1.0 |
| Cotton, undelinted seed | 0.1 |
| Cranberry | 0.1 |
| Fruit, citrus | 0.2 |
| Goat, fat | 0.1 |
| Goat, liver | 0.50 |
| Goat, meat | 0.1 |
| Goat, meat byproducts, except liver | 0.1 |
| Grape | 0.1 |
| Hazelnut | 0.1 |
| Hog, fat | 0.1 |
| Hog, liver | 0.50 |
| Hog, meat | 0.1 |
| Hog, meat byproducts, except liver | 0.1 |
| Hop, dried cones | 3.0 |
| Hop, vines | 1.0 |
| Horse, fat | 0.1 |
| Horse, liver | 0.50 |
| Horse, meat | 0.1 |
| Horse, meat byproducts, except liver | 0.1 |
| Milk | 0.1 |
| Nectarine | 0.1 |
| Peach | 0.1 |
| Peanut | 0.05 |
| Peanut, hay | 5.50 |
| Peanut, hay | 1.5 |
| Pear | 0.1 |
| Pecan | 0.1 |
| Plum, prune, fresh | 0.1 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Raspberry | 0.2 |
| Sheep, fat | 0.1 |
| Sheep, liver | 0.50 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts, except liver | 0.1 |
| Soybean | 0.1 |
| Soybean, forage | 1.0 |
| Soybean, hay | 1.0 |
| Walnut | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 14909, Apr. 7, 1982]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.356, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.360 Asulam; tolerance for residues.

(a) *General.* Tolerances are established for the combined residues of asulam (methyl sulfanilylcarbamate) and its sulfanilamide containing metabolites in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.2 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.2 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.2 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.2 |
| Milk | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.2 |
| Sugarcane, cane | 1.0 |
| Sugarcane, molasses | 30 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 39441, July 1, 2003, as amended at 72 FR 37654, July 11, 2007]

## § 180.361 Pendimethalin; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide pendimethalin, including its metabolites and degradates, in or on the commodities. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only pendimethalin, [*N*- (1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine], and its metabolite, 4-[(1-ethylpropyl)amino]-2-methyl-3,5-dinitrobenzyl alcohol, calculated as the stoichiometric equivalent of pendimethalin, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.5 |
| Alfalfa, hay | 4.0 |

| Commodity | Parts per million |
|---|---|
| Alfalfa, seed | 0.10 |
| Almond, hulls | 0.4 |
| Apple, wet pomace | 0.20 |
| Artichoke, globe | 0.1 |
| Asparagus | 0.15 |
| Beans | 0.10 |
| Beans, forage | 0.10 |
| Beans, hay | 0.10 |
| Brassica head and stem, subgroup 5-A | 0.1 |
| Carrot | 0.5 |
| Citrus, oil | 0.5 |
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Corn, pop, grain | 0.1 |
| Corn, sweet, forage | 0.1 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |
| Corn, sweet, stover | 0.1 |
| Cotton, gin byproducts | 3.0 |
| Cotton, undelinted seed | 0.1 |
| Crayfish | 0.05 |
| Fruit, citrus, group 10 | 0.1 |
| Fruit, pome, group 11 | 0.10 |
| Fruit, stone, group 12 | 0.10 |
| Garlic | 0.1 |
| Grape | 0.1 |
| Grass forage, fodder, and hay crop group 17, forage | 20 |
| Grass forage, fodder, and hay crop group 17, hay | 13 |
| Grass forage, fodder, and hay crop group 17, straw | 4.0 |
| Juneberry | 0.10 |
| Leek | 0.20 |
| Nut, tree, group 14 | 0.1 |
| Olive | 0.1 |
| Onion, bulb | 0.1 |
| Onion, green | 0.20 |
| Onion, welsh | 0.20 |
| Peanut | 0.1 |
| Peanut, hay | 0.1 |
| Peas (except field peas) | 0.10 |
| Peppermint, oil | 1.0 |
| Peppermint, tops | 0.2 |
| Pistachio | 0.1 |
| Pomegranate | 0.10 |
| Potato | 0.1 |
| Rice, grain | 0.1 |
| Rice, straw | 0.1 |
| Shallot | 0.2 |
| Sorghum, forage | 0.1 |
| Sorghum, grain, grain | 0.1 |
| Sorghum, grain, stover | 0.1 |
| Soybean, forage | 0.1 |
| Soybean, hay | 0.1 |
| Soybean, seed | 0.1 |
| Spearmint, oil | 1.0 |
| Spearmint, tops | 0.2 |
| Strawberry | 0.10 |
| Sugarcane, cane | 0.1 |
| Sunflower, seed | 0.1 |
| Vegetable, fruiting, group 8 | 0.10 |
| Wheat, grain | 0.10 |
| Wheat, forage | 3.0 |
| Wheat, hay | 0.60 |
| Wheat, straw | 0.30 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances specified in the following table are established for combined residues of the herbicide pendimethalin, [*N*-(1-ethylpropyl)-3,4-dimethyl-2,6-dinitrobenzenamine], and its metabolite 4-[(1-ethylpropyl)amino]-2-methyl-3,5-dinitrobenzyl alcohol, in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FIFRA section 18 emergency exemptions. The tolerances expire and are revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Bermuda grass, forage | 25 | 12/31/10 |
| Bermuda grass, hay | 60 | 12/31/10 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[49 FR 15293, Apr. 18, 1984]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.361, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.362 Fenbutatin-oxide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the miticide/acaricide fenbutatin-oxide, including its metabolites and degradates, in or on the plant commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only fenbutatin-oxide, hexakis (2-methyl-2-phenylpropyl) distannoxane, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 80.0 |
| Apple | 15.0 |
| Apple, wet pomace | 100.0 |
| Cherry, sweet | 6.0 |
| Cherry, tart | 6.0 |
| Citrus, dried pulp | 100.0 |
| Citrus, oil | 140.0 |
| Cucumber | 4.0 |
| Eggplant | 6.0 |
| Fruit, citrus, group 10 | 20.0 |
| Grape | 5.0 |
| Grape, raisin | 20.0 |
| Nut, tree, group 14 | 0.5 |
| Papaya | 2.0 |
| Peach | 10.0 |
| Pear | 15.0 |
| Pistachio | 0.5 |
| Plum, prune, fresh | 4.0 |
| Plum, prune, dried | 20.0 |

| Commodity | Parts per million |
|---|---|
| Strawberry | 10.0 |

(2) Tolerances are established for residues of the miticide/acaricide fenbutatin-oxide, including its metabolites and degradates, in or on the animal commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fenbutatin-oxide, hexakis (2-methyl-2-phenylpropyl) distannoxane, and its organotin metabolites, dihydroxybis(2-methyl-2-phenylpropyl) stannane and 2-methyl-2-phenylpropylstannoic acid, calculated as the stoichiometric equivalent of fenbutatin-oxide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.5 |
| Cattle, meat | 0.5 |
| Cattle, meat byproducts | 0.5 |
| Egg | 0.1 |
| Goat, fat | 0.5 |
| Goat, meat | 0.5 |
| Goat, meat byproducts | 0.5 |
| Hog, fat | 0.5 |
| Hog, meat | 0.5 |
| Hog, meat byproducts | 0.5 |
| Horse, fat | 0.5 |
| Horse, meat | 0.5 |
| Horse, meat byproducts | 0.5 |
| Milk, fat | 0.1 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts | 0.1 |
| Sheep, fat | 0.5 |
| Sheep, meat | 0.5 |
| Sheep, meat byproducts | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with regional registration, as defined in § 180.1(l), is established for residues of the miticide/acaricide fenbutatin-oxide, including its metabolites and degradates, in or on the plant commodity in the table in this paragraph. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only fenbutatin-oxide, hexakis (2-methyl-2-phenylpropyl) distannoxane, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Raspberry | 10.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33713, May 24, 2000, as amended at 72 FR 41930, Aug. 1, 2007; 73 FR 5109, Jan. 29, 2008; 76 FR 23494, Apr. 27, 2011]

## § 180.364 Glyphosate; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of glyphosate, including its metabolites and degradates, in or on the commodities listed below resulting from the application of glyphosate, the isopropylamine salt of glyphosate, the ethanolamine salt of glyphosate, the dimethylamine salt of glyphosate, the ammonium salt of glyphosate, and the potassium salt of glyphosate. Compliance with the following tolerance levels is to be determined by measuring only glyphosate (*N*-(phosphonomethyl)glycine).

| Commodity | Parts per million |
|---|---|
| Acerola | 0.2 |
| Alfalfa, seed | 0.5 |
| Almond, hulls | 25 |
| Aloe vera | 0.5 |
| Ambarella | 0.2 |
| Animal feed, nongrass, group 18 | 400 |
| Artichoke, globe | 0.2 |
| Asparagus | 0.5 |
| Atemoya | 0.2 |
| Avocado | 0.2 |
| Bamboo, shoots | 0.2 |
| Banana | 0.2 |
| Barley, bran | 30 |
| Beet, sugar, dried pulp | 25 |
| Beet, sugar, roots | 10 |
| Beet, sugar, tops | 10 |
| Berry group 13 | 0.2 |
| Betelnut | 1.0 |
| Biriba | 0.2 |
| Blimbe | 0.2 |
| Borage, seed | 0.1 |
| Breadfruit | 0.2 |
| Cacao bean, bean | 0.2 |
| Cactus, fruit | 0.5 |
| Cactus, pads | 0.5 |
| Canistel | 0.2 |
| Canola, seed | 20 |
| Chaya | 1.0 |
| Cherimoya | 0.2 |
| Citrus, dried pulp | 1.5 |
| Coconut | 0.1 |
| Coffee, bean, green | 1.0 |
| Corn, pop, grain | 0.1 |
| Corn, sweet, kernel plus cob with husk removed | 3.5 |
| Cotton, gin byproducts | 210 |
| Cotton, undelinted seed | 40 |
| Cranberry | 0.2 |
| Crambe, seed | 0.1 |
| Custard apple | 0.2 |
| Date, dried fruit | 0.2 |
| Dokudami | 2.0 |
| Durian | 0.2 |
| Epazote | 1.3 |
| Feijoa | 0.2 |

| Commodity | Parts per million |
|---|---|
| Fig | 0.2 |
| Fish | 0.25 |
| Flax, meal | 8.0 |
| Flax, seed | 4.0 |
| Fruit, citrus, group 10 | 0.5 |
| Fruit, pome, group 11 | 0.2 |
| Fruit, stone, group 12 | 0.2 |
| Galangal, roots | 0.2 |
| Ginger, white, flower | 0.2 |
| Gourd, buffalo, seed | 0.1 |
| Governor's plum | 0.2 |
| Gow kee, leaves | 0.2 |
| Grain, cereal, forage, fodder and straw, group 16, except field corn, forage and field corn, stover | 100 |
| Grain, cereal, group 15 except field corn, popcorn, rice, sweet corn, and wild rice | 30 |
| Grape | 0.2 |
| Grass, forage, fodder and hay, group 17 | 300 |
| Guava | 0.2 |
| Herbs subgroup 19A | 0.2 |
| Hop, dried cones | 7.0 |
| Ilama | 0.2 |
| Imbe | 0.2 |
| Imbu | 0.2 |
| Jaboticaba | 0.2 |
| Jackfruit | 0.2 |
| Jojoba, seed | 0.1 |
| Juneberry | 0.2 |
| Kava, roots | 0.2 |
| Kenaf, forage | 200 |
| Kiwifruit | 0.2 |
| Lesquerella, seed | 0.1 |
| Leucaena, forage | 200 |
| Lingonberry | 0.2 |
| Longan | 0.2 |
| Lychee | 0.2 |
| Mamey apple | 0.2 |
| Mango | 0.2 |
| Mangosteen | 0.2 |
| Marmaladebox | 0.2 |
| Meadowfoam, seed | 0.1 |
| Mioga, flower | 0.2 |
| Mustard, seed | 0.1 |
| Noni | 0.20 |
| Nut, pine | 1.0 |
| Nut, tree, group 14 | 1.0 |
| Okra | 0.5 |
| Olive | 0.2 |
| Oregano, Mexican, leaves | 2.0 |
| Palm heart | 0.2 |
| Palm heart, leaves | 0.2 |
| Palm, oil | 0.1 |
| Papaya | 0.2 |
| Papaya, mountain | 0.2 |
| Passionfruit | 0.2 |
| Pawpaw | 0.2 |
| Pea, dry | 8.0 |
| Peanut | 0.1 |
| Peanut, hay | 0.5 |
| Pepper leaf, fresh leaves | 0.2 |
| Peppermint, tops | 200 |
| Perilla, tops | 1.8 |
| Persimmon | 0.2 |
| Pineapple | 0.1 |
| Pistachio | 1.0 |
| Pomegranate | 0.2 |
| Pulasan | 0.2 |
| Quinoa, grain | 5.0 |
| Rambutan | 0.2 |
| Rapeseed, seed | 20 |
| Rice, grain | 0.1 |
| Rice, wild, grain | 0.1 |
| Rose apple | 0.2 |
| Safflower, seed | 85 |
| Salal | 0.2 |
| Sapodilla | 0.2 |
| Sapote, black | 0.2 |
| Sapote, mamey | 0.2 |
| Sapote, white | 0.2 |
| Sesame, seed | 0.1 |
| Shellfish | 3.0 |
| Soursop | 0.2 |
| Spanish lime | 0.2 |
| Spearmint, tops | 200 |
| Spice subgroup 19B | 7.0 |
| Star apple | 0.2 |
| Starfruit | 0.2 |
| Stevia, dried leaves | 1.0 |
| Strawberry | 0.2 |
| Sugar apple | 0.2 |
| Sugarcane, cane | 2.0 |
| Sugarcane, molasses | 30 |
| Sunflower, seed | 85 |
| Surinam cherry | 0.2 |
| Tamarind | 0.2 |
| Tea, dried | 1.0 |
| Tea, instant | 7.0 |
| Teff, grain | 5.0 |
| Ti, leaves | 0.2 |
| Ti, roots | 0.2 |
| Ugli fruit | 0.5 |
| Vegetable, bulb, group 3 | 0.2 |
| Vegetable, cucurbit, group 9 | 0.5 |
| Vegetable, foliage of legume, subgroup 7A, except soybean | 0.2 |
| Vegetable, fruiting, group 8 | 0.1 |
| Vegetable, leafy, brassica, group 5 | 0.2 |
| Vegetable, leafy, except brassica, group 4 | 0.2 |
| Vegetable, leaves of root and tuber, group 2, except sugar beet tops | 0.2 |
| Vegetable, legume, group 6 except soybean and dry pea | 5.0 |
| Vegetable, root and tuber, group 1, except sugar beet | 0.2 |
| Wasabi, roots | 0.2 |
| Water spinach, tops | 0.2 |
| Watercress, upland | 0.2 |
| Wax jambu | 0.2 |
| Yacon, tuber | 0.2 |

(2) Tolerances are established for residues of glyphosate, including its metabolites and degradates, in or on the commodities listed below resulting from the application of glyphosate, the isopropylamine salt of glyphosate, the ethanolamine salt of glyphosate, the dimethylamine salt of glyphosate, the ammonium salt of glyphosate, and the potassium salt of glyphosate. Compliance with the following tolerance levels is to be determined by measuring only glyphosate (*N*-(phosphonomethyl)glycine) and its metabolite *N*-acetyl-glyphosate (*N*-acetyl-*N*-(phosphonomethyl)glycine; calculated as the stoichiometric equivalent of glyphosate).

| Commodity | Parts per Million |
|---|---|
| Cattle, meat byproducts | 5.0 |
| Corn, field, forage | 13 |
| Corn, field, grain | 5.0 |
| Corn, field, stover | 100 |
| Egg | 0.05 |
| Goat, meat byproducts | 5.0 |
| Grain aspirated fractions | 310.0 |
| Hog, meat byproducts | 5.0 |
| Horse, meat byproducts | 5.0 |
| Poultry, meat | 0.10 |
| Poultry, meat byproducts | 1.0 |
| Sheep, meat byproducts | 5.0 |
| Soybean, forage | 100.0 |
| Soybean, hay | 200.0 |
| Soybean, hulls | 120.0 |
| Soybean, seed | 20.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 64911, Oct. 1, 1980]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.364, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.367 *n*-Octyl bicycloheptenedicarboximide; tolerances for residues.

(a) *General.* A tolerance of 5 parts per million is established for residues of the insecticide synergist *N*-octyl bicycloheptene dicarboximide, including its metabolites and degradates, in or on all food items in food handling establishments where food and food products are held, processed, prepared and/or served, provided that the food is removed or covered prior to such use, except for bagged food in warehouse storage which need not be removed or covered prior to applications of formulations containing *N*-octyl bicycloheptene dicarboximide. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only *N*-octyl bicycloheptene dicarboximide, in or on the commodity.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33713, May 24, 2000, as amended at 75 FR 60243, Sept. 29, 2010]

### § 180.368 Metolachlor; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues (free and bound) of the herbicide metolachlor, 2-chloro-*N*-(2- ethyl-6-methylphenyl)-*N*-(2-methoxy-1-methylethyl)acetamide, and its metabolites, determined as the derivatives, 2- [(2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2- hydroxy-5-methyl-3-morpholinone, each expressed as the parent compound in the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.30 |
| Animal feed, nongrass, group 18 | 1.0 |
| Cattle, fat | 0.02 |
| Cattle, kidney | 0.20 |
| Cattle, liver | 0.05 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney and liver | 0.04 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.10 |
| Corn, field, stover | 6.0 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.10 |
| Corn, sweet, stover | 6.0 |
| Cotton, gin byproducts | 4.0 |
| Cotton, undelinted seed | 0.10 |
| Dillweed | 0.50 |
| Egg | 0.02 |
| Goat, fat | 0.02 |
| Goat, kidney | 0.20 |
| Goat, liver | 0.05 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney and liver | 0.04 |
| Grass, forage | 10 |
| Grass, hay | 0.20 |
| Horse, fat | 0.02 |
| Horse, kidney | 0.20 |
| Horse, liver | 0.05 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney and liver | 0.04 |
| Milk | 0.02 |
| Nut, tree, group 14 | 0.10 |
| Okra | 0.50 |
| Peanut | 0.20 |
| Peanut, hay | 20 |
| Peanut, meal | 0.40 |
| Potato | 0.20 |
| Poultry, fat | 0.02 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.05 |
| Safflower, seed | 0.10 |
| Sheep, fat | 0.02 |
| Sheep, kidney | 0.20 |
| Sheep, liver | 0.05 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney and liver | 0.04 |

| Commodity | Parts per million |
|---|---|
| Sorghum, grain, forage | 1.0 |
| Sorghum, grain, grain | 0.30 |
| Sorghum, grain, stover | 4.0 |
| Soybean, forage | 5.0 |
| Soybean, hay | 8.0 |
| Soybean, seed | 0.20 |
| Tomato | 0.10 |
| Vegetable, foliage of legume, subgroup 7A, except soybean | 15.0 |
| Vegetable, legume, group 6 | 0.30 |

(2) Tolerances are established for residues of S-metolachlor, including its metabolites and degradates, in or on the commodity(s), as defined. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only the sum of free and bound S-metolachlor, S-2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide, its R-enantiomer, and its metabolites, determined as the derivatives, 2-(2-ethyl-6-methylphenyl)amino-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone, calculated as the stoichiometric equivalent of S-metolachlor, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.10 |
| Beet, sugar, molasses | 2.0 |
| Beet, sugar, roots | 0.5 |
| Beet, sugar, tops | 15.0 |
| Brassica, head and stem, subgroup 5A | 0.60 |
| Brassica, leafy greens, subgroup 5B | 1.8 |
| Bushberry subgroup 13-07B | 0.15 |
| Caneberry subgroup 13-07A | 0.10 |
| Carrot, roots | 0.40 |
| Cattle, fat | 0.02 |
| Cattle, kidney | 0.20 |
| Cattle, liver | 0.05 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney and liver | 0.04 |
| Corn, field, grain | 0.10 |
| Corn, field, forage | 6.0 |
| Corn, field, stover | 6.0 |
| Corn, pop, grain | 0.10 |
| Corn, pop, stover | 6.0 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.10 |
| Corn, sweet, stover | 6.0 |
| Cotton, gin byproducts | 4.0 |
| Cotton, undelinted seed | 0.10 |
| Cucumber | 0.13 |
| Egg | 0.02 |
| Grain, aspirated fractions | 0.70 |
| Goat, fat | 0.02 |
| Goat, kidney | 0.20 |
| Goat, liver | 0.05 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney and liver | 0.04 |
| Grass, forage | 10.0 |
| Grass, hay | 0.20 |
| Horse, fat | 0.02 |
| Horse, kidney | 0.20 |
| Horse, liver | 0.05 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney and liver | 0.04 |
| Leaf petioles, subgroup 4B | 0.10 |
| Melon, subgroup 9A | 0.10 |
| Milk | 0.02 |
| Okra | 0.10 |
| Onion, bulb, subgroup 3-07A | 0.10 |
| Onion, green, subgroup 3-07B | 2.0 |
| Peanut | 0.20 |
| Peanut, hay | 20.0 |
| Peanut, meal | 0.40 |
| Poultry, fat | 0.02 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.05 |
| Pumpkin | 0.10 |
| Safflower, seed | 0.10 |
| Sesame, seed | 0.13 |
| Sheep, fat | 0.02 |
| Sheep, kidney | 0.20 |
| Sheep, liver | 0.05 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney and liver | 0.04 |
| Sorghum, grain, forage | 1.0 |
| Sorghum, grain, grain | 0.3 |
| Sorghum, grain, stover | 4.0 |
| Sorghum, sweet, stalk | 4.0 |
| Soybean, forage | 5.0 |
| Soybean, hay | 8.0 |
| Soybean, seed | 0.20 |
| Spinach | 0.50 |
| Squash, winter | 0.10 |
| Sunflower, seed | 0.50 |
| Sunflower, meal | 1.0 |
| Tomato, paste | 0.30 |
| Turnip, greens | 1.8 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 15.0 |
| Vegetable, fruiting, group 8, except tabasco pepper | 0.10 |
| Vegetable, legume, group 6 | 0.30 |
| Vegetable, root, except sugar beet, subgroup 1B, except carrot | 0.30 |
| Vegetable, tuberous and corm, subgroup 1C | 0.20 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* (1) Tolerances with regional registration as defined in 180.1(l) are established for the combined residues (free and bound) of the herbicide metolachlor [2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-(2-methoxy-1-methylethyl)acetamide] and its metabolites, determined as the derivatives, 2-[2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone, each expressed as the parent compound, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Pepper, nonbell | 0.50 |

(2) Tolerances with regional registration are established for residues of S-metolachlor, including its metabolites and degradates, in or on the commodities identified in the following table below. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only the sum of free and bound S-metolachlor, S-2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide, its R-enantiomer, and its metabolites, determined as the derivatives, 2-(2-ethyl-6-methylphenyl)amino-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone, calculated as the stoichiometric equivalent of S-metolachlor, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Pepper, tabasco | 0.50 |

(d) *Indirect or inadvertent residues.* (1) Tolerances are established for the indirect or inadvertent combined residues (free and bound) of the herbicide metolachlor, 2-chloro-*N*-(2-ethyl-6-methylphenyl)-*N*-(2-methoxy-1-methylethyl)acetamide, and its metabolites, determined as the derivatives, 2-[(2-ethyl-6-methylphenyl)amino]-1-propanol and 4-(2-ethyl-6-methylphenyl)-2- hydroxy-5-methyl-3-morpholinone, each expressed as the parent compound in the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 1.0 |
| Barley, grain | 0.10 |
| Barley, hay | 0.80 |
| Barley, straw | 0.80 |
| Buckwheat, grain | 0.10 |
| Millet, forage | 0.50 |
| Millet, grain | 0.10 |
| Millet, hay | 0.80 |
| Millet, straw | 0.80 |
| Oat, forage | 0.50 |
| Oat, grain | 0.10 |
| Oat, hay | 0.80 |
| Oat, straw | 0.80 |
| Rice, grain | 0.10 |
| Rye, forage | 0.50 |
| Rye, grain | 0.10 |
| Rye, straw | 0.80 |
| Wheat, forage | 0.50 |
| Wheat, grain | 0.10 |
| Wheat, hay | 0.80 |
| Wheat, straw | 0.80 |

(2) Tolerances for are established for the indirect or inadvertent residues of S-metolachlor, including its metabolites and degradates, in or on the commodities identified in the following table below. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only the sum of free and bound S-metolachlor, S-2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)acetamide, its R-enantiomer, and its metabolites, determined as the derivatives, 2-(2-ethyl-6-methylphenyl)amino-1-propanol and 4-(2-ethyl-6-methylphenyl)-2-hydroxy-5-methyl-3-morpholinone, calculated as the stoichiometric equivalent of S-metolachlor, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 1.0 |
| Barley, grain | 0.10 |
| Barley, hay | 0.50 |
| Barley, straw | 0.50 |
| Buckwheat, grain | 0.10 |
| Millet, forage | 0.50 |
| Millet, grain | 0.10 |
| Millet, hay | 0.50 |
| Millet, straw | 0.50 |
| Oat, forage | 0.50 |
| Oat, grain | 0.10 |
| Oat, hay | 0.50 |
| Oat, straw | 0.50 |
| Rice, grain | 0.10 |
| Rye, forage | 0.50 |
| Rye, grain | 0.10 |
| Rye, straw | 0.50 |
| Wheat, forage | 0.50 |
| Wheat, grain | 0.10 |
| Wheat, hay | 0.50 |
| Wheat, straw | 0.50 |

[73 FR 53740, Sept. 17, 2008, as amended at 74 FR 48412, Sept. 23, 2009; 75 FR 56903, Sept. 17, 2010]

## § 180.369 Difenzoquat; tolerances for residues.

(a) *General.* Tolerances are established for residues of difenzoquat (1,2-dimethyl-3,5-diphenyl-1*H*-pyrazolium ion), derived from application of the methyl sulfate salt and calculated as the cation, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, bran | 0.25 |
| Barley, grain | 0.05 |
| Barley, straw | 5.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Wheat, bran | 0.25 |
| Wheat, grain | 0.05 |
| Wheat, shorts | 0.25 |
| Wheat, straw | 5.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 56399, Sept. 27, 2006]

### § 180.370 5-Ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole and its monoacid metabolite 3-carboxy-5-ethoxy-1,2,4-thiadiazole in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1 |
| Barley, hay | 0.1 |
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Corn, sweet, forage | 0.1 |
| Corn, sweet, stover | 0.1 |
| Cotton, gin byproducts | 0.1 |
| Cotton, undelinted seed | 0.1 |
| Peanut | 0.1 |
| Peanut, hay | 0.1 |
| Safflower, seed | 0.1 |
| Sorghum, grain, forage | 0.1 |
| Sorghum, grain, grain | 0.1 |
| Tomato | 0.15 |
| Vegetable, foliage of legume, group 7 | 0.1 |
| Vegetable, legume, group 6 | 0.1 |
| Wheat, forage | 0.1 |
| Wheat, grain | 0.1 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[47 FR 49845, Nov. 3, 1982, as amended at 48 FR 12088, Mar. 23, 1983; 63 FR 57076, Oct. 26, 1998; 72 FR 41931, Aug. 1, 2007; 73 FR 54961, Sept. 24, 2008]

### § 180.371 Thiophanate-methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of thiophanate-methyl, dimethyl ((1,2-phenylene) bis (iminocarbonothioyl)) bis(carbamate), including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of thiophanate-methyl, dimethyl ((1,2-phenylene) bis (iminocarbonothioyl)) bis(carbamate), and its metabolite, methyl 2-benzimidazoyl carbamate (MBC), calculated as the stoichiometric equivalent of thiophanate-methyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Almond, hulls | 0.5 |
| Apple | 2.0 |
| Apricot | 15.0 |
| Banana | 2.0 |
| Bean, dry, seed | 0.2 |
| Bean, snap, succulent | 2.0 |
| Beet, sugar, roots | 0.2 |
| Cherry, sweet | 20.0 |
| Cherry, tart | 20.0 |
| Grain, aspirated fractions | 12 |
| Grape | 5.0 |
| Onion, bulb | 0.5 |
| Onion, green | 3.0 |
| Peach | 3.0 |
| Peanut | 0.1 |
| Peanut, hay | 5.0 |
| Pear | 3.0 |
| Pecan | 0.1 |
| Pistachio | 0.1 |
| Plum | 0.5 |
| Potato | 0.1 |
| Soybean, hulls | 1.5 |
| Soybean, seed | 0.2 |
| Strawberry | 7.0 |
| Vegetable, cucurbit, group 9 | 1.0 |
| Wheat, forage | 1.1 |
| Wheat, grain | 0.1 |
| Wheat, hay | 0.1 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations*. A tolerance with a regional registration is established for residues of thiophanate-methyl, dimethyl ((1,2-phenylene) bis(iminocarbonothioyl)) bis(carbamate), including its metabolites and degradates, in or on the commodity in the following table. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only the sum of thiophanate-methyl, dimethyl ((1,2-phenylene) bis (iminocarbonothioyl)) bis(carbamate), and its metabolite, methyl 2-benzimidazoyl carbamate (MBC), calculated as the stoichiometric equivalent of thiophanate-methyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Canola, seed | 0.1 |

(d) *Indirect or inadvertent residues*. [Reserved]

[75 FR 60244, Sept. 29, 2010]

### § 180.372 2,6-Dimethyl-4-tridecylmorpholine; tolerances for residues.

(a) *General*. A tolerance is established for residues of the fungicide 2,6-dimethyl-4-tridecylmorpholine in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Banana [1] | 1.0 |

[1] There are no U.S. registrations.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 54961, Sept. 24, 2008]

### § 180.373 [Reserved]

### § 180.377 Diflubenzuron; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide diflubenzuron (*N*-[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 6.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cotton, undelinted seed | 0.2 |
| Egg | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Grapefruit | 0.5 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Milk | 0.05 |
| Mushroom | 0.2 |
| Orange, sweet | 0.5 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Poultry, meat | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Soybean | 0.05 |
| Soybean, hulls | 0.5 |
| Tangerine | 0.5 |

(2) Tolerances are established for combined residues of the insecticide diflubenzuron and its metabolites 4-chlorophenlyurea and 4-chloroaniline in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 6.0 |
| Barley, grain | 0.06 |
| Barley, hay | 3.0 |
| Barley, straw | 1.8 |
| Brassica, leafy greens, subgroup 5B | 9.0 |
| Cattle, meat byproducts | 0.15 |
| Fruit, stone, group 12, except cherry | 0.07 |
| Goat, meat byproducts | 0.15 |
| Grain, aspirated fractions | 11 |
| Grass, forage, fodder, and hay, group 17 | 6.0 |
| Hog, meat byproducts | 0.15 |
| Horse, meat byproducts | 0.15 |
| Nut, tree, group 14 | 0.06 |
| Oat, forage | 7.0 |
| Oat, grain | 0.06 |
| Oat, hay | 6.0 |
| Oat, straw | 3.5 |
| Peanut | 0.10 |
| Peanut, hay | 55 |
| Peanut, refined oil | 0.20 |
| Pear | 0.50 |
| Pepper | 1.0 |
| Pistachio | 0.06 |
| Pummelo | 0.50 |
| Rice, grain | 0.02 |
| Rice, straw | 0.8 |
| Sheep, meat byproducts | 0.15 |
| Turnip greens | 9.0 |
| Wheat, forage | 7.0 |
| Wheat, grain | 0.06 |
| Wheat, hay | 6.0 |
| Wheat, straw | 3.5 |

(b) *Section 18 emergency exemptions*. Time-limited tolerances are established for of the insecticide

diflubenzuron, (N-[[(4-chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide and its metabolites 4-chlorophenylurea and 4-chloroaniline, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances are specified in the following table, and will expire and are revoked on the dates specified.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Alfalfa, forage | 6.0 | 12/31/11 |
| Alfalfa, hay | 6.0 | 12/31/11 |
| Lemon | 0.8 | 12/31/10 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33699, May 24, 2000]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.377, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.378 Permethrin; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the insecticide cis- and trans-permethrin isomers [cis-(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate] and [trans-(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate] in/on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 20 |
| Alfalfa, hay | 45 |
| Almond | 0.05 |
| Almond, hulls | 20 |
| Artichoke, globe | 5.0 |
| Asparagus | 2.0 |
| Avocado | 1.0 |
| Broccoli | 2.0 |
| Brussels sprouts | 1.0 |
| Cabbage | 6.0 |
| Cattle, fat | 1.5 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Cauliflower | 0.5 |
| Cherry, sweet | 4.0 |
| Cherry, tart | 4.0 |
| Corn, field, forage | 50 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 30 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 30 |
| Corn, sweet, forage | 50 |
| Corn, sweet, kernel plus cob with husks removed | 0.10 |
| Corn, sweet, stover | 30 |
| Egg | 0.10 |
| Eggplant | 0.50 |
| Fruit, pome, group 11 | 0.05 |
| Garlic, bulb | 0.10 |
| Grain, aspirated fractions | 0.50 |
| Goat, fat | 1.5 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.10 |
| Hazelnut | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 1.5 |
| Horse, meat | 0.10 |
| Horse, meat byproducts | 0.10 |
| Horseradish | 0.50 |
| Kiwifruit | 2.0 |
| Leaf petioles subgroup 4B | 5.0 |
| Leafy greens subgroup 4A | 20 |
| Lettuce, head | 20 |
| Milk, fat (reflecting 0.88 ppm in whole milk) | 3.0 |
| Mushroom | 5.0 |
| Onion, bulb | 0.10 |
| Peach | 1.0 |
| Pepper, bell | 0.50 |
| Pistachio | 0.10 |
| Potato | 0.05 |
| Poultry, fat | 0.15 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 1.5 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.10 |
| Soybean, seed | 0.05 |
| Spinach | 20 |
| Tomato | 2.0 |
| Vegetable, cucurbit, group 9 | 1.5 |
| Walnut | 0.05 |
| Watercress | 5.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l) are established for the combined residues of the insecticide cis- and trans-permethrin isomers [cis-(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate] and [trans-(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate] in/on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Collards | 15 |
| Grass, forage | 15 |
| Grass, hay | 15 |
| Papaya | 1.0 |
| Turnip, tops | 10 |
| Turnip, roots | 0.20 |

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 52019, Sept. 12, 2007]

### § 180.380 Vinclozolin; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide vinclozolin (3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione) and its metabolites containing the 3,5-dichloroaniline moiety in or on the food commodities in the table below. There are no U.S. registrations for grape (wine) as of July 30, 1997.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Bean, succulent | 2.0 | 11/30/05 |
| Canola, seed | 1.0 | 11/30/08 |
| Cattle, fat | 0.05 | 11/30/08 |
| Cattle, meat | 0.05 | 11/30/08 |
| Cattle, meat byproducts | 0.05 | 11/30/08 |
| Egg | 0.05 | 11/30/08 |
| Goat, fat | 0.05 | 11/30/08 |
| Goat, meat | 0.05 | 11/30/08 |
| Goat, meat byproducts | 0.05 | 11/30/08 |
| Grape, wine | 6. 0 | None |
| Hog, fat | 0.05 | 11/30/08 |
| Hog, meat | 0.05 | 11/30/08 |
| Hog, meat byproducts | 0.05 | 11/30/08 |
| Horse, fat | 0.05 | 11/30/08 |
| Horse, meat | 0.05 | 11/30/08 |
| Horse, meat byproducts | 0.05 | 11/30/08 |
| Lettuce, head | 10.0 | 11/30/05 |
| Lettuce, leaf | 10.0 | 11/30/05 |
| Milk | 0.05 | 11/30/08 |
| Poultry, fat | 0.1 | 11/30/08 |
| Poultry, meat | 0.1 | 11/30/08 |
| Poultry, meat byproducts | 0.1 | 11/30/08 |
| Sheep, fat | 0.05 | 11/30/08 |
| Sheep, meat | 0.05 | 11/30/08 |
| Sheep, meat byproducts | 0.05 | 11/30/08 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

(e) *Revoked tolerances subject to the channel of trade provisions.* The following table lists commodities with residues of vinclozolin resulting from lawful use are subject to the channels of trade provisions of section 408(l)(5) of the FFDCA:

| Commodity | Parts per million |
|---|---|
| Cucumber | 1.0 |
| Fruit, stone, except plum, prune, fresh | 25.0 |
| Pepper, bell | 3.0 |
| Strawberry | 10.0 |

[62 FR 38474, July 18, 1997, as amended at 63 FR 7308, Feb. 13, 1998; 65 FR 44468, July 18, 2000; 67 FR 40189, June 12, 2002; 68 FR 56189, Sept. 30, 2003; 68 FR 69323, Dec. 12, 2003; 70 FR 55268, Sept. 21, 2005]

### § 180.381 Oxyfluorfen; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide oxyfluorfen [2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene] in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.1 |
| Artichoke, globe | 0.05 |
| Avocado | 0.05 |
| Banana | 0.05 |
| Broccoli | 0.05 |
| Cabbage | 0.05 |
| Cacao bean, dried bean | 0.05 |
| Cattle, fat | 0.01 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.01 |
| Cauliflower | 0.05 |
| Coffee, bean, green | 0.05 |
| Corn, field, grain | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Date, dried fruit | 0.05 |
| Egg | 0.03 |
| Feijoa | 0.05 |
| Fig | 0.05 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12 | 0.05 |
| Goat, fat | 0.01 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.01 |
| Grape | 0.05 |
| Hog, fat | 0.01 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.01 |
| Horse, fat | 0.01 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.01 |
| Horseradish | 0.05 |
| Kiwifruit | 0.05 |
| Milk | 0.01 |
| Nut, tree, group 14 | 0.05 |
| Olive | 0.05 |
| Onion, bulb | 0.05 |
| Peppermint, tops | 0.05 |
| Persimmon | 0.05 |
| Pistachio | 0.05 |
| Pomegranate | 0.05 |
| Poultry, fat | 0.2 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.01 |
| Soybean | 0.05 |
| Spearmint, tops | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration are established for residues of

the herbicide oxyfluorfen [2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene] in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Blackberry | 0.05 |
| Chickpea, seed | 0.05 |
| Grass, forage | 0.05 |
| Grass, hay | 0.05 |
| Grass, seed screenings | 0.05 |
| Guava | 0.05 |
| Papaya | 0.05 |
| Raspberry | 0.05 |
| Taro, corm | 0.05 |
| Taro, leaves | 0.05 |

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 85022, Dec. 24, 1980]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.381, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.383 Sodium salt of acifluorfen; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the herbicide sodium salt of acifluorfen, sodium 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, and its metabolites (the corresponding acid, methyl ester, and amino analogues) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Peanut | 0.1 |
| Rice, grain | 0.1 |
| Rice, straw | 0.2 |
| Soybean, seed | 0.1 |
| Strawberry | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional restrictions.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 24877, Apr. 11, 1980, as amended at 46 FR 61272, Dec. 16, 1981; 47 FR 39490, Sept. 8, 1982; 61 FR 30165, June 14, 1996; 62 FR 39974, July 25, 1997; 67 FR 35048, May 17, 2002; 69 FR 6567, Feb. 11, 2004; 71 FR 54434, Sept. 15, 2006]

### § 180.384 Mepiquat (N,N-dimethylpiperidinium); tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the plant growth regulator mepiquat (N,N-dimethylpiperidinium) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.1 |
| Cotton, gin byproducts | 6.0 |
| Cotton, undelinted seed | 2.0 |
| Goat, meat byproducts | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, meat byproducts | 0.1 |
| Sheep, meat byproducts | 0.1 |

(2) Tolerances are established for residues of the plant growth regulator mepiquat chloride (N,N-dimethylpiperidinium chloride) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Grape | 1.0 |
| Grape, raisin | 5.0 |
| Hog, fat | 0.1 |
| Hog, meat | 0.1 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 3118, Jan. 23, 2002]

### § 180.385 Diclofop-methyl; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the herbicide diclofop-methyl (methyl 2-[4-(2,4-dichlorophenoxy)phenoxy]propanoate) and its metabolites, 2-[4-(2,4-dichlorophenoxy)phenoxy]propanoic acid and 2-[4-(2,4-dichloro-5-hydroxyphenoxy)phenoxy]propanoic acid, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1 |
| Barley, straw | 0.1 |
| Wheat, grain | 0.1 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 23425, Apr. 7, 1980, as amended at 50 FR 20211, May 15, 1985; 51 FR 3599, Jan. 29, 1986; 51 FR 19176, May 28, 1986; 63 FR 57077, Oct. 26, 1998; 72 FR 41931, Aug. 1, 2007]

### §§ 180.388–180.389 [Reserved]

### § 180.390 Tebuthiuron; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the herbicide tebuthiuron (N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea) and its metabolites N-(5-(2-hydroxy-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea, N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N-methylurea, and N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N'-hydroxymethyl-N-methylurea in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grass, forage | 10.0 |
| Grass, hay | 10.0 |

(2) Tolerances are established for the combined residues of the herbicide tebuthiuron (N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea) and its metabolites N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N-methylurea, N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)urea, 2-dimethylethyl-5-amino-1,3,4-thiadiazole, and N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N'-hydroxymethyl-N-methylurea in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 1.0 |
| Cattle, meat | 1.0 |
| Cattle, meat byproducts | 5.0 |
| Goat, fat | 1.0 |
| Goat, meat | 1.0 |
| Goat, meat byproducts | 5.0 |
| Horse, fat | 1.0 |
| Horse, meat | 1.0 |
| Horse, meat byproducts | 5.0 |
| Sheep, fat | 1.0 |
| Sheep, meat | 1.0 |
| Sheep, meat byproducts | 5.0 |

(3) A tolerance is established for the combined residues of the herbicide tebuthiuron (N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N,N'-dimethylurea) and its metabolites N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N-methylurea, N-(5-(2-hydroxy-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N-methylurea, N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)urea, N-(5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N'-hydroxymethyl-N-methylurea, and N-(5-(2-hydroxy-1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl)-N'-hydroxymethyl-N-methylurea in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Milk | 0.8 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 53461, Sept. 19, 2007]

### § 180.395 Hydramethylnon; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide tetrahydro-5,5-dimethyl-2(1*H*)-pyrimidinone(3-(4-(trifluoromethyl)phenyl)-1-(2-(4-(trifluoromethyl)phenyl)ethenyl)-2-propenylidene)hydrazone in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grass, forage | 2.0 |
| Grass, hay | 2.0 |
| Pineapple | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[45 FR 55198, Aug. 19, 1980, as amended at 63 FR 10543, Mar. 4, 1998; 63 FR 65073, Nov. 25, 1998; 66 FR 28672, May 24, 2001; 68 FR 37764, June 25, 2003; 68 FR 48312, Aug. 13, 2003; 72 FR 41931, Aug. 1, 2007]

### § 180.396 Hexazinone; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, and its plant metabolites: metabolite A, 3-(4-hydroxycyclohexyl)-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, metabolite B, 3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, metabolite C, 3-(4-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, metabolite D, 3-cyclohexyl-1-methyl-1,3,5-triazine-2,4,6-(1*H*, 3*H*, 5*H*)-trione, and metabolite E, 3-(4-hydroxycyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1*H*, 3*H*, 5*H*)-trione, calculated as the stoichiometric equivalent of hexazinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 2.0 |
| Alfalfa, hay | 4.0 |
| Alfalfa, seed | 2.0 |
| Blueberry | 0.6 |
| Grass, forage | 250 |
| Grass, hay | 230 |
| Pineapple | 0.6 |
| Sugarcane, cane | 0.6 |
| Sugarcane, molasses | 4.0 |

(2) Tolerances are established for residues of the herbicide hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, and its animal tissue metabolites: metabolite B, 3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, and metabolite F, 3-cyclohexyl-6-amino-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, calculated as the stoichiometric equivalent of hexazinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.5 |
| Cattle, meat byproducts | 4.0 |
| Goat, fat | 0.1 |
| Goat, meat | 0.5 |
| Goat, meat byproducts | 4.0 |
| Hog, fat | 0.1 |
| Hog, meat | 0.5 |
| Hog, meat byproducts | 4.0 |
| Horse, fat | 0.1 |
| Horse, meat | 0.5 |
| Horse, meat byproducts | 4.0 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.5 |
| Sheep, meat byproducts | 4.0 |

(3) A tolerance is established for residues of the herbicide hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, including its metabolites and degradates, in or on the commodity in the following table. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only the sum of hexazinone, 3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, and its metabolites: metabolite B, 3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, metabolite C, 3-(4-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, metabolite C-2, 3-(3-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, and metabolite F, 3-cyclohexyl-6-amino-1-methyl-1,3,5-triazine-2,4-(1*H*, 3*H*)-dione, calculated as the stoichiometric equivalent of hexazinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Milk | 11 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33713, May 24, 2000, as amended at 71 FR 56399, Sept. 27, 2006; 75 FR 60244, Sept. 29, 2010]

### § 180.399 Iprodione; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of the fungicide iprodione [3-(3,5-dichlorophenyl)-*N*-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide], its isomer 3-(1-methylethyl)-*N*-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidinecarboxamide, and its metabolite 3-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidine-carboxamide in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.0 |
| Almond | 0.3 |
| Apricot | 20.0 |
| Bean, dry, seed | 2.0 |
| Bean, forage | 90.0 |
| Bean, succulent | 2.0 |
| Blueberry | 15.0 |
| Boysenberry | 15.0 |
| Broccoli | 25.0 |
| Caneberry subgroup 13A | 25.0 |
| Carrot, roots | 5.0 |
| Cherry, sweet, postharvest | 20.0 |
| Cherry, tart | 20.0 |
| Cotton, undelinted seed | 0.10 |
| Cowpea, hay | 90.0 |
| Currant | 15.0 |
| Garlic | 0.1 |
| Ginseng | 2.0 |
| Ginseng, dried root | 4.0 |
| Grape | 60.0 |
| Grape, raisin | 300 |
| Kiwifruit | 10.0 |
| Lettuce | 25.0 |
| Nectarine, postharvest | 20.0 |
| Onion, bulb | 0.5 |
| Peach, postharvest | 20.0 |
| Peanut | 0.5 |
| Peanut, hay | 150.0 |
| Plum, postharvest | 20.0 |
| Plum, prune | 20.0 |
| Potato | 0.5 |
| Raspberry | 15.0 |
| Rice, bran | 30.0 |
| Rice, grain | 10.0 |
| Rice, hulls | 50.0 |
| Rice, straw | 20.0 |
| Strawberry | 15.0 |

(2) Tolerances are established for the combined residues of iprodione [3-(3,5-dichlorophenyl)-*N*-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide], its isomer [3-(1-methylethyl)-*N*-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidinecarboxamide, and its metabolites [3-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidine-carboxamide] and [*N*-(3,5-dichloro-4-hydroxyphenyl)-ureido-carboxamide], all expressed as iprodione equivalents in or on the following food commodities of animal origin:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.5 |
| Cattle, kidney | 3.0 |
| Cattle, liver | 3.0 |
| Cattle, meat | 0.5 |
| Cattle, meat byproducts, except kidney and liver | 0.5 |
| Egg | 1.5 |
| Goat, fat | 0.5 |
| Goat, kidney | 3.0 |
| Goat, liver | 3.0 |
| Goat, meat | 0.5 |
| Goat, meat byproducts, except kidney and liver | 0.5 |
| Hog, fat | 0.5 |
| Hog, kidney | 3.0 |
| Hog, liver | 3.0 |
| Hog, meat | 0.5 |
| Hog, meat byproducts, except kidney and liver | 0.5 |
| Horse, fat | 0.5 |
| Horse, kidney | 3.0 |
| Horse, liver | 3.0 |
| Horse, meat | 0.5 |
| Horse, meat byproducts, except kidney and liver | 0.5 |
| Milk | 0.5 |
| Poultry, fat | 3.5 |
| Poultry, liver | 5.0 |
| Poultry, meat | 1.0 |
| Poultry, meat byproducts, except liver | 1.0 |
| Sheep, fat | 0.5 |
| Sheep, kidney | 3.0 |
| Sheep, liver | 3.0 |
| Sheep, meat | 0.5 |
| Sheep, meat byproducts, except kidney and liver | 0.5 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for the combined residues of the fungicide iprodione [3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide], its isomer [3-(1-methylethyl)-N-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidinecarboxamide], and its metabolite [3-(3,5-dichlorophenyl)-2,4-dioxo-1-imidazolidinecarboxamide] in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Mustard greens | 15.0 |

(d) *Indirect or inadvertent residues*. [Reserved]

[48 FR 40385, Sept. 7, 1983]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.399, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.401 Thiobencarb; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the herbicide thiobencarb (*S*-[(4-chlorophenyl)methyl]diethyl-carbamothioate) and its chlorobenzyl and chlorophenyl moiety-containing metabolites in or on the following raw agricultural commodities:

| Commodity | Part per million |
|---|---|
| Cattle, fat | 0.2 |
| Cattle, meat byproducts | 0.2 |
| Cattle, meat | 0.2 |
| Egg | 0.2 |
| Goat, fat | 0.2 |
| Goat, meat byproducts | 0.2 |
| Goat, meat | 0.2 |
| Hog, fat | 0.2 |
| Hog, meat byproducts | 0.2 |
| Hog, meat | 0.2 |
| Horse, fat | 0.2 |
| Horse, meat byproducts | 0.2 |
| Horse, meat | 0.2 |
| Milk | 0.05 |
| Poultry, fat | 0.2 |
| Poultry, meat byproducts | 0.2 |
| Poultry, meat | 0.2 |
| Rice, grain | 0.2 |
| Rice, straw | 1.0 |
| Sheep, fat | 0.2 |
| Sheep, meat byproducts | 0.2 |
| Sheep, meat | 0.2 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the herbicide thiobencarb (S-[(4-chlorophenyl)methyl]diethylcarbamothioate) and its chlorobenzyl and chlorophenyl moiety-containing metabolites in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Celery | 0.2 |
| Endive | 0.2 |
| Lettuce | 0.2 |

(d) *Indirect or inadvertent residues*. [Reserved]

[47 FR 6833, Feb. 17, 1982, as amended at 56 FR 2440, Jan. 23, 1991; 76 FR 34885, June 15, 2011]

### § 180.403 Thidiazuron; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the defoliant thidiazuron (N-phenyl-N-1,2,3-thiadiazol-5-ylurea) and its aniline containing metabolites in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.4 |
| Cattle, meat | 0.4 |
| Cattle, meat byproducts | 0.4 |
| Cotton, gin byproducts | 24.0 |
| Cotton, undelinted seed | 0.3 |
| Goat, fat | 0.4 |
| Goat, meat | 0.4 |
| Goat, meat byproducts | 0.4 |
| Hog, fat | 0.4 |
| Hog, meat | 0.4 |
| Hog, meat byproducts | 0.4 |
| Horse, fat | 0.4 |
| Horse, meat | 0.4 |
| Horse, meat byproducts | 0.4 |
| Milk | 0.05 |
| Sheep, fat | 0.4 |
| Sheep, meat | 0.4 |
| Sheep, meat byproducts | 0.4 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33700, May 24, 2000, as amended at 72 FR 53462, Sept. 19, 2007]

### § 180.404 Profenofos; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide profenofos (O-(4-bromo-2-chlorophenyl)-O-ethyl-S-propyl phosphorothioate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cotton, gin byproducts | 55.0 |
| Cotton, undelinted seed | 2.0 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.01 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33700, May 24, 2000, as amended at 66 FR 50833, Oct. 5, 2001; 67 FR 49617, July 31, 2002; 72 FR 54579, Sept. 26, 2007]

### § 180.405 Chlorsulfuron; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of chlorsulfuron (2-chloro-*N*-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl]benzenesulfonamide) and its metabolite, 2-chloro-5-hydroxy-*N*-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl] benzenesulfonamide in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1 |
| Barley, straw | 0.5 |
| Oat, forage | 20.0 |
| Oat, grain | 0.1 |
| Oat, straw | 0.5 |
| Wheat, forage | 20.0 |
| Wheat, grain | 0.1 |
| Wheat, straw | 0.5 |

(2) Tolerances are established for residues of chlorsulfuron (2-chloro-*N*-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl] benzenesulfonamide) in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.3 |
| Cattle, meat | 0.3 |
| Cattle, meat byproducts | 0.3 |
| Goat, fat | 0.3 |
| Goat, meat | 0.3 |
| Goat, meat byproducts | 0.3 |
| Grass, forage | 11.0 |
| Grass, hay | 19.0 |
| Hog, fat | 0.3 |
| Hog, meat | 0.3 |
| Hog, meat byproducts | 0.3 |
| Horse, fat | 0.3 |
| Horse, meat | 0.3 |
| Horse, meat byproducts | 0.3 |
| Milk | 0.1 |
| Sheep, fat | 0.3 |
| Sheep, meat | 0.3 |
| Sheep, meat byproducts | 0.3 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 52873, Aug. 14, 2002]

### § 180.407 Thiodicarb; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide thiodicarb (dimethyl *N*,*N'*-[thiobis[[(methylimino)carbonyloxy]] bis[ethanimidothioate]) and its metabolite methomyl (*S*-methyl *N*-[(methylcarbamoyl) oxy]thioacetimidate) in or on the following food commodities or groups. The time-limited tolerances expire and are revoked on the dates listed in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Broccoli | 7.0 | None |
| Cabbage | 7.0 | None |
| Cauliflower | 7.0 | None |
| Corn, sweet, kernel plus cob with husks removed | 2.0 | None |
| Cotton, undelinted seed | 0.4 | None |
| Soybean, hulls | 0.8 | None |
| Soybean | 0.2 | None |
| Vegetable, leafy, except brassica, group 4 | 35 | None |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 44595, Aug. 22, 1997, as amended at 75 FR 60245, Sept. 29, 2010]

### § 180.408 Metalaxyl; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide metalaxyl [*N*-(2,6-dmethylphyenyl)-*N*-(methoxyacetyl) alanine methylester] and its metabolites containing the 2,6-dimethylaniline moiety, and *N*-(2-hydroxy methyl-6-methylphenyl)-*N*-(methoxyacetyl)-alanine methyl ester, each expressed as metalaxyl equivalents, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 6.0 |
| Alfalfa, hay | 20.0 |
| Almond | 0.5 |
| Almond, hulls | 10.0 |
| Apple | 0.2 |
| Apple, wet pomace | 0.4 |
| Apricot, dried | 4.0 |
| Asparagus | 7.0 |
| Avocado | 4.0 |
| Beet, garden, roots | 0.1 |
| Beet, garden, tops | 0.1 |
| Beet, sugar | 0.1 |
| Beet, sugar, molasses | 1.0 |
| Beet, sugar, roots | 0.5 |
| Beet, sugar, tops | 10.0 |
| Blueberry | 2.0 |
| Broccoli | 2.0 |
| Brussels sprouts | 2.0 |
| Cabbage | 1.0 |
| Cattle, fat | 0.4 |
| Cattle, kidney | 0.4 |
| Cattle, liver | 0.4 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except kidney and liver | 0.05 |
| Cauliflower | 1.0 |
| Citrus, oil | 7.0 |
| Citrus, dried pulp | 7.0 |
| Clover, forage | 1.0 |
| Clover, hay | 2.5 |
| Cotton, undelinted seed | 0.1 |
| Cranberry | 4.0 |
| Egg | 0.05 |
| Fruit, citrus | 1.0 |
| Fruit, stone, group 12 | 1.0 |
| Ginseng | 3.0 |
| Goat, fat | 0.4 |
| Goat, kidney | 0.4 |
| Goat, liver | 0.4 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except kidney and liver | 0.05 |
| Grain, cereal, group 15, except barley, oat and wheat | 0.1 |
| Grain, crop | 0.1 |
| Grape | 2.0 |
| Grape, raisin | 6.0 |
| Grass, forage | 10.0 |
| Grass, hay | 25.0 |
| Hog, fat | 0.4 |
| Hog, kidney | 0.4 |
| Hog, liver | 0.4 |
| Hog, meat | 0.05 |
| Hog, meat byproducts, except kidney and liver | 0.05 |
| Hop, dried cones | 20 |
| Hop, vines | 2.0 |
| Horse, fat | 0.4 |
| Horse, kidney | 0.4 |
| Horse, liver | 0.4 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except kidney and liver | 0.05 |
| Lettuce, head | 5.0 |
| Milk | 0.02 |
| Mustard greens | 5.0 |
| Onion, bulb | 3.0 |
| Onion, green | 10.0 |
| Peanut | 0.2 |
| Peanut, hay | 20.0 |
| Peanut, meal | 1.0 |
| Peanut, hulls | 2.0 |
| Pineapple | 0.1 |
| Pineapple, fodder | 0.1 |
| Pineapple, forage | 0.1 |
| Plum, prune, dried | 4.0 |
| Potato, chips | 4.0 |
| Potato, granules, flakes | 4.0 |
| Potato, processed potato waste | 4.0 |
| Potato, wet peel | 4.0 |
| Poultry, fat | 0.4 |
| Poultry, kidney | 0.4 |
| Poultry, liver | 0.4 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts, except kidney and liver | 0.05 |
| Potato | 0.5 |
| Raspberry | 0.5 |
| Sheep, fat | 0.4 |
| Sheep, kidney | 0.4 |
| Sheep, liver | 0.4 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except kidney and liver | 0.05 |
| Soybean, hulls | 2.0 |
| Soybean, meal | 2.0 |
| Soybean, seed | 1.0 |
| Spinach | 10.0 |
| Strawberry | 10.0 |
| Sunflower, seed | 0.1 |
| Sunflower, forage | 0.1 |
| Tomato, paste | 3.0 |
| Tomato, puree | 3.0 |
| Vegetable, brassica, leafy, group 5, except broccoli, cabbage, cauliflower, brussels sprouts, and mustard greens | 0.1 |
| Vegetable, cucurbit, group 9 | 1.0 |
| Vegetable, foilage of legume, group 7 | 8.0 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, leafy, except brassica, group 4, except spinach | 5.0 |
| Vegetable, leaves of root and tuber, group 2 | 15.0 |
| Vegetable, legume, cannery waste | 5.0 |
| Vegetable, legume, group 6 | 0.2 |
| Vegetable, root and tuber, group 1 | 0.5 |
| Walnut | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration (refer to §180.1(m) are established for the combined residues of the fungicide metalaxyl [*N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl) alanine methyl ester] and its metabolites containing the 2,6-dimethylaniline moiety, and *N*-(2-hydroxy methyl-6-methyl)-*N*-(methoxyacetyl)-alanine methylester, each expressed as metalaxyl, in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Papaya | 0.1 |

(d) *Indirect or inadvertent tolerances.* Tolerances are established for indirect or inadvertent residues of metalaxyl in or on the food commodities when present therein as a result of the application of metalaxyl to growing crops

listed in paragraph (a) of this section and other non-food crops to read as follows:

| Commodity | Part per million |
|---|---|
| Barley, bran | 1.0 |
| Barley, flour | 1.0 |
| Barley, grain | 0.2 |
| Barley, pearled barley | 1.0 |
| Barley, straw | 2.0 |
| Grain, cereal, forage, fodder and straw, group 16, except barley, oat, and wheat; forage | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16, except barley, oat, and wheat; stover | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16, except barley, oat, and wheat; straw | 1.0 |
| Oat, flour | 1.0 |
| Oat, forage | 2.0 |
| Oat, grain | 0.2 |
| Oat, groats, rolled oats | 1.0 |
| Oat, straw | 2.0 |
| Wheat, bran | 1.0 |
| Wheat, flour | 1.0 |
| Wheat, forage | 2.0 |
| Wheat, germ | 1.0 |
| Wheat, grain | 0.2 |
| Wheat, middlings | 1.0 |
| Wheat, shorts | 1.0 |
| Wheat, straw | 2.0 |

[65 FR 33700, May 24, 2000, as amended at 72 FR 35666, June 29, 2007; 74 FR 46374, Sept. 9, 2009; 75 FR 56015, Sept. 15, 2010]

### § 180.409 Pirimiphos-methyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide pirimiphos-methyl (O-(2-diethylamino-6-methyl-4-pyrimidinyl) O,O-dimethyl phosphorothioate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Corn, field, grain | 8.0 |
| Corn, pop, grain | 8.0 |
| Goat, fat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Grain, aspirated fractions | 20.0 |
| Hog, fat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Horse, fat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Poultry, fat | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, meat byproducts | 0.02 |
| Sorghum, grain, grain | 8.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 33714, May 24, 2000, as amended at 67 FR 41807, June 19, 2002; 67 FR 49617, July 31, 2002; 70 FR 44492, Aug. 3, 2005; 72 FR 53462, Sept. 19, 2007]

### § 180.410 Triadimefon; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the fungicide triadimefon, 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1*H*-1,2,4-triazol-1-yl)-2-butanone, and triadimenol, β-(4-chlorophenoxy)-α-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol, expressed as triadimefon, in or on the following food commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Pineapple | 2.0 | None |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 54962, Sept. 24, 2008, as amended at 76 FR 34885, June 15, 2011]

### § 180.411 Fluazifop-P-butyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide fluazifop-P-butyl, including its metabolites and degradates, in or on the following commodities in the table. Compliance with the tolerance levels specified in the table below is to be determined by measuring only the sum of fluazifop-P-butyl, butyl(R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate, and the free and conjugated forms of the resolved isomer of fluazifop, (R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, calculated as the stoichiometric equivalent of fluazifop, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Banana | 0.01 |
| Beans, dry, seed | 50 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, molasses | 3.5 |
| Beet, sugar, roots | 0.25 |

| Commodity | Parts per million |
|---|---|
| Carrot, roots | 2.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Citrus, dried pulp | 0.40 |
| Citrus, juice | 0.06 |
| Citrus, oil | 30.0 |
| Cotton, refined oil | 0.2 |
| Cotton, undelinted seed | 0.1 |
| Egg | 0.05 |
| Endive | 6.0 |
| Fruit, citrus, group 10 | 0.03 |
| Fruit, stone | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Grape | 0.01 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.05 |
| Nut, macadamia | 0.1 |
| Onion, bulb | 0.5 |
| Peanut | 1.5 |
| Peanut, meal | 2.2 |
| Pecans | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Potato[1] | 1.0 |
| Potato, chips[1] | 2.0 |
| Potato, granules/flakes[1] | 4.0 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Soybean, seed | 2.5 |
| Sweet potato, roots | 0.05 |

[1] No U.S. registrations.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations are established for residues of the herbicide fluazifop-P-butyl, including its metabolites and degradates, in or on the following commodities in the table. Compliance with the tolerance levels specified in the table below is to be determined by measuring only the sum of fluazifop-P-butyl, butyl(R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoate, and the free and conjugated forms of the resolved isomer of fluazifop, (R)-2-[4-[[5-(trifluoromethyl)-2-pyridinyl]oxy]phenoxy]propanoic acid, calculated as the stoichiometric equivalent of fluazifop, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Asparagus | 3.0 |
| Coffee, bean | 0.1 |
| Pepper, tabasco | 1.0 |
| Rhubarb | 0.5 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33714, May 24, 2000, as amended at 74 FR 9372, Mar. 4, 2009; 74 FR 46374, Sept. 9, 2009; 74 FR 47457, Sept. 16, 2009; 76 FR 5703, Feb. 2, 2011]

## § 180.412 Sethoxydim; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the herbicide 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one (CAS Reg. No. 74051–80–2) and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as the herbicide) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 40 |
| Alfalfa, hay | 40 |
| Almond, hulls | 2.0 |
| Apricot | 0.2 |
| Apple, wet pomace | 0.8 |
| Asparagus | 4.0 |
| Bean, succulent | 15 |
| Beet, sugar, molasses | 10 |
| Beet, sugar, tops | 3.0 |
| Blueberry | 4.0 |
| Borage, meal | 10 |
| Borage, seed | 6.0 |
| Buckwheat, flour | 25 |
| Buckwheat, grain | 19 |
| Caneberry subgroup 13 A | 5.0 |
| Canola, meal | 40 |
| Canola, seed | 35 |
| Cattle, fat | 0.2 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 1.0 |
| Cherry, sweet | 0.2 |
| Cherry, tart | 0.2 |
| Citrus, dried pulp | 1.5 |
| Clover, forage | 35 |
| Clover, hay | 55 |
| Coriander, leaves | 4.0 |
| Corn, field, forage | 2.0 |
| Corn, field, grain | 0.5 |
| Corn, field, stover | 2.5 |
| Corn, sweet, forage | 3.0 |
| Corn, sweet, kernel plus cob with husk removed | 0.4 |
| Corn, sweet, stover | 3.5 |
| Cotton, undelinted seed | 5.0 |
| Cowpea, forage | 15 |
| Cowpea, hay | 50 |
| Crambe, meal | 40.0 |
| Crambe, seed | 35.0 |
| Cranberry | 2.5 |
| Cuphea, seed | 35.0 |
| Dillweed, fresh leaves | 10 |
| Echium, seed | 35.0 |
| Egg | 2.0 |

| Commodity | Parts per million |
|---|---|
| Flax, seed | 5.0 |
| Fruit, citrus, group 10 | 0.5 |
| Fruit, pome, group 11 | 0.2 |
| Goat, fat | 0.2 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 1.0 |
| Gold of pleasure, meal | 40.0 |
| Gold of pleasure, seed | 35.0 |
| Grape | 1.0 |
| Grape, raisin | 2.0 |
| Hare's ear mustard, seed | 35.0 |
| Hog, fat | 0.2 |
| Hog, meat | 0.2 |
| Hog, meat byproducts | 1.0 |
| Horse, fat | 0.2 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 1.0 |
| Juneberry | 5.0 |
| Lesquerella, seed | 35.0 |
| Lingonberry | 5.0 |
| Lunaria, seed | 35.0 |
| Meadowfoam, seed | 35.0 |
| Milk | 0.5 |
| Milkweed, seed | 35.0 |
| Mustard, seed | 35.0 |
| Nectarine | 0.2 |
| Nut, tree, group 14 | 0.2 |
| Oil radish, seed | 35.0 |
| Okra | 2.5 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 25 |
| Pea, field, hay | 40 |
| Pea, field, vines | 20 |
| Pea, succulent | 10 |
| Peach | 0.2 |
| Peanut | 25 |
| Peppermint, tops | 30 |
| Pistachio | 0.2 |
| Poppy, seed | 35.0 |
| Potato granules/flakes | 8.0 |
| Potato waste, processed | 8.0 |
| Poultry, fat | 0.2 |
| Poultry, meat | 0.2 |
| Poultry, meat byproducts | 2.0 |
| Radish, tops | 4.5 |
| Rapeseed, meal | 40 |
| Rapeseed, seed | 35 |
| Safflower, seed | 15 |
| Salal | 5.0 |
| Sesame, seed | 35.0 |
| Sheep, fat | 0.2 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 1.0 |
| Soybean, hay | 10 |
| Soybean, seed | 16 |
| Spearmint, tops | 30 |
| Strawberry | 10 |
| Sunflower, meal | 20 |
| Sunflower, seed | 7.0 |
| Sweet rocket, seed | 35.0 |
| Turnip, tops | 5.0 |
| Vegetable, brassica, leafy, group 5 | 5.0 |
| Vegetable, bulb, group 3 | 1.0 |
| Vegetable, cucurbit, group 9 | 4.0 |
| Vegetable, fruiting, group 8 | 4.0 |
| Vegetable, leafy, except brassica, group 4 | 4.0 |
| Vegetable, root and tuber, group 1 | 4.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* Tolerances with regional registration, as defined in § 180.1(l), are established for the combined residues of the herbicide 2-[1-(ethoxyimino)butyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one) and its metabolites containing the 2-cyclohexen-1-one moiety (calculated as the herbicide) in or on the following commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Artichoke, globe | 5.0 | None |
| Rhubarb | 0.3 | None |

(d) *Indirect and inadvertent residues.* [Reserved]

[62 FR 17740, Apr. 11, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.412, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.413 Imazalil; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the fungicide imazalil, 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1*H*-imidazole, and its metabolite, 1-(2,4-dichlorophenyl)-2-(1*H*-imidazole-1-yl)-1-ethanol, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Banana | 3.0 |
| Barley, grain | 0.1 |
| Barley, hay | 0.5 |
| Barley, straw | 0.5 |
| Citrus, dried pulp | 25.0 |
| Citrus, oil | 200.0 |
| Fruit, citrus, postharvest | 10.0 |
| Wheat, forage | 0.5 |
| Wheat, grain | 0.1 |
| Wheat, hay | 0.5 |
| Wheat, straw | 0.5 |

(2) Tolerances are established for the combined residues of the fungicide imazalil, 1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1*H*-imidazole, and its metabolites, 3-[2-(2,4-dichlorophenyl)-2-(2,3-dihydroxypropoxy)ethyl]-2,4-imidazolidinedione (FK772) and 3-[2-(2,4-dichlorophenyl)-2-(hydroxy)]-2,4-imidazolidinedione (FK284), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.2 |
| Goat, fat | 0.01 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.2 |
| Horse, fat | 0.01 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.2 |
| Milk | 0.02 |
| Sheep, fat | 0.01 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33715, May 24, 2000, as amended at 67 FR 46893, July 17, 2002; 71 FR 54434, Sept. 15, 2006]

### § 180.414 Cyromazine; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide cyromazine, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only cyromazine, *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Bean, dry, except cowpea | 3.0 |
| Bean, lima | 1.0 |
| Bean, succulent | 2.0 |
| Broccoli | 1.0 |
| Cabbage, abyssinian | 10.0 |
| Cabbage, seakale | 10.0 |
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.2 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Egg | 0.25 |
| Garlic | 0.2 |
| Garlic, great-headed, bulb | 0.2 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.2 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except kidney | 0.05 |
| Hanover salad, leaves | 10.0 |
| Hog, fat | 0.05 |
| Hog, kidney | 0.2 |
| Hog, meat | 0.05 |
| Hog, meat byproducts, except kidney | 0.05 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.2 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except kidney | 0.05 |
| Leek | 3.0 |
| Mango [1] | 0.3 |
| Milk | 0.05 |
| Mushroom | 1.0 |
| Onion, bulb | 0.2 |
| Onion, green | 3.0 |
| Onion, potato | 3.0 |
| Onion, tree | 3.0 |
| Onion, welsh | 3.0 |
| Pepper | 1.0 |
| Potato | 0.8 |
| Poultry, fat (from chicken layer hens and chicken breeder hens only) | 0.05 |
| Poultry, meat (from chicken layer hens and chicken breeder hens only) | 0.05 |
| Poultry, meat byproducts (from chicken layer hens and chicken breeder hens only) | 0.05 |
| Rakkyo, bulb | 0.2 |
| Shallot, bulb | 0.2 |
| Shallot, fresh leaves | 3.0 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.2 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Tomato | 0.5 |
| Turnip, greens | 10.0 |
| Vegetable, brassica, leafy, group 5, except broccoli | 10.0 |
| Vegetable, leafy, except brassica, group 4 | 7.0 |
| Vegetable, cucurbit, group 9 | 1.0 |

[1] There are no U.S. registrations on mango as of May 4, 2000.

(2) A tolerance of 5.0 parts per million is established for residues of the insecticide cyromazine, including its metabolites and degradates, in or on poultry feed when used as a feed additive only in feed for chicken layer hens and chicken breeder hens at the rate of not more than 0.01 pound of cyromazine per ton of poultry feed for control of flies in manure of treated chicken layer hens and chicken breeder hens, provided the feeding of cyromazine-treated feed must stop at least 3 days (72 hours) before slaughter. If the feed is formulated by any person other than the end user, the formulator must inform the end user, in writing, of the 3-day (72 hours) pre-slaughter interval. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only cyromazine, *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine, in or on the commodity.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect

or inadvertent residues of the insecticide cyromazine, including its metabolites and degradates, in or on the commodities in the table in this paragraph when present therein as a result of the application of cyromazine to growing crops listed in paragraph (a)(1) of this section. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only cyromazine, *N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cotton, undelinted seed | 0.1 |
| Corn, sweet, kernel plus cob with husks removed | 0.5 |
| Corn, sweet, forage | 0.5 |
| Corn, sweet, stover | 0.5 |
| Radish, roots | 0.5 |
| Radish, tops | 0.5 |

[65 FR 25860, May 4, 2000, as amended at 67 FR 72593, Dec. 6, 2002; 68 FR 55269, Sept. 24, 2003; 75 FR 22256, Apr. 28, 2010; 76 FR 23494, Apr. 27, 2011]

### § 180.415 Aluminum tris (*O*-ethylphosphonate); tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide aluminum tris (*O*-ethylphosphonate), including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only aluminum tris (*O*-ethylphosphonate), in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Avocado | 25 |
| Banana | 3.0 |
| Bushberry subgroup 13B | 40 |
| Caneberry subgroup 13A | 0.1 |
| Cranberry | 0.5 |
| Fruit, citrus, group 10 | 5.0 |
| Fruit, pome, group 11 | 10 |
| Ginseng | 0.1 |
| Hop, dried cones | 45 |
| Juneberry | 40 |
| Lingonberry | 40 |
| Nut, macadamia | 0.20 |
| Onion, bulb | 0.5 |
| Onion, green | 10.0 |
| Pea, succulent | 0.3 |
| Pineapple | 0.1 |
| Salal | 40 |
| Strawberry | 75 |
| Tomato | 3 |
| Turnip, greens | 40 |
| Turnip, roots | 15 |
| Vegetable, brassica, leafy, group 5 | 60 |
| Vegetable, cucurbit, group 9 | 15 |
| Vegetable, leafy, except brassica, group 4 | 100 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the fungicide aluminum tris (*O*-ethylphosphonate), including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only aluminum tris (*O*-ethylphosphonate), in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.1 |
| Grape | 10 |

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 36801, July 8, 1999, as amended at 64 FR 37875, July 14, 1999; 65 FR 50438, Aug. 18, 2000; 67 FR 55346, Aug. 29, 2002; 68 FR 11335, Mar. 10, 2003; 70 FR 7047, Feb. 10, 2005; 76 FR 23494, Apr. 27, 2011]

### § 180.416 Ethalfluralin; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide ethalfluralin [*N*-ethyl-*N*-(2-methyl-2-propenyl)-2,6-dinitro-4-(trifluoromethyl)benzenamine] in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.05 |
| Dill, dried leaves | 0.05 |
| Dill, fresh leaves | 0.05 |
| Mustard, seed | 0.05 |
| Peanut | 0.05 |
| Pea, dry, seed | 0.05 |
| Potato | 0.05 |
| Rapeseed, seed | 0.05 |
| Safflower, seed | 0.05 |
| Soybean | 0.05 |
| Sunflower, seed | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[49 FR 391, Jan. 4, 1984, as amended at 50 FR 4976, Feb. 5, 1985; 52 FR 11262, Apr. 8, 1987; 62 FR 66014, Dec. 17, 1997; 64 FR 5191, Feb. 3, 1999; 64 FR 54782, Oct. 8, 1999; 66 FR 37598, July 19, 2001; 66 FR 41454, Aug. 8, 2001; 67 FR 2342, Jan. 17, 2002; 67 FR 49617, July 31, 2002; 72 FR 68534, Dec. 5, 2007]

## § 180.417 Triclopyr; tolerances for residues.

(a) *General*. (1) Tolerances for residues of the herbicide triclopyr per se, as a result of the application/use of butoxyethyl ester of triclopyr and triethyylamine salt of triclopyr, are established in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Egg | 0.05 |
| Fish | 3.0 |
| Grass, forage | 700.0 |
| Grass, hay | 200.0 |
| Milk | 0.01 |
| Poultry, fat | 0.1 |
| Poultry, meat | 0.1 |
| Poultry, meat byproducts, except kidney | 0.1 |
| Rice, grain | 0.3 |
| Rice, straw | 10.0 |
| Shellfish | 3.5 |

(2) Tolerances for the combined residues of the herbicide triclopyr ((3,5,6-trichloro-2-pyridinyl)oxy) acetic acid and its metabolite 3,5,6-trichloro-2-pyridinol (TCP), as a result of the application/use of butoxyethyl ester of triclopyr or the triethylamine salt of triclopyr, are established in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.5 |
| Cattle, liver | 0.5 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except kidney and liver | 0.05 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.5 |
| Goat, liver | 0.5 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except kidney and liver | 0.05 |
| Hog, fat | 0.05 |
| Hog, kidney | 0.5 |
| Hog, liver | 0.5 |
| Hog, meat | 0.05 |
| Hog, meat byproducts, except kidney and liver | 0.05 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.5 |
| Horse, liver | 0.5 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except kidney and liver | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.5 |
| Sheep, liver | 0.5 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except kidney and liver | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[50 FR 18486, May 1, 1985, as amended at 55 FR 26440, June 28, 1990; 60 FR 4095, Jan. 20, 1995; 62 FR 46894, Sept. 5, 1997; 63 FR 45406, Aug. 26, 1998; 67 FR 35048, May 17, 2002; 67 FR 58725, Sept. 18, 2002; 72 FR 41931, Aug. 1, 2007]

## § 180.418 Cypermethrin and an isomer zeta-cypermethrin; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide cypermethrin (±)alpha cyano-(3-phenoxyphenyl)methyl(±)cis,trans-3(2,2-dichloroethenyl-2,2-dimethylcyclopropanecarboxylate in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 14.0 |
| Cattle, fat | 1.0 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.05 |
| Cotton, gin byproducts | 11.0 |
| Cotton, undelinted seed | 0.5 |
| Egg | 0.05 |
| Goat, fat | 1.0 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.1 |
| Hog, meat | 0.05 |
| Horse, fat | 1.0 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.05 |
| Lettuce, head | 4.0 |
| Milk, fat (reflecting 0.10 in whole milk) | 2.5 |
| Onion, bulb | 0.1 |
| Onion, green | 6.0 |
| Pecan | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Sheep, fat | 1.0 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.05 |

(2) Tolerances are established for residues of the insecticide Z-cypermethrin (S-cyano(3-phenoxyphenyl) methyl

(±))(cis-trans 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropanecarboxylate and its inactive R-isomers in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, hay | 15.00 |
| Alfalfa, forage | 5.00 |
| Alfalfa, seed | 0.50 |
| Almond, hulls | 6 |
| Animal feed, nongrass, group 18, forage | 8 |
| Animal feed, nongrass, group 18, hay | 40 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 0.20 |
| Berry group 13 | 0.8 |
| Borage, seed | 0.2 |
| Brassica, head and stem, subgroup 5A | 2.00 |
| Brassica, leafy greens, subgroup 5B | 14.00 |
| Cabbage | 2.00 |
| Castor oil plant, refined oil | 0.4 |
| Castor oil plant, seed | 0.2 |
| Cattle, fat | 1.00 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.05 |
| Chinese tallowtree, refined oil | 0.4 |
| Chinese tallowtree, seed | 0.2 |
| Cilantro, leaves | 10 |
| Citrus, dried pulp | 1.8 |
| Citrus, oil | 4.0 |
| Corn, field, forage | 0.20 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 3.00 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 3.00 |
| Corn, sweet, forage | 15.00 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 15.00 |
| Cotton, undelinted seed | 0.5 |
| Crambe, seed | 0.2 |
| Cuphea, seed | 0.2 |
| Echium, seed | 0.2 |
| Egg | 0.05 |
| Euphorbia, refined oil | 0.4 |
| Euphorbia, seed | 0.2 |
| Evening primrose, refined oil | 0.4 |
| Evening primrose, seed | 0.2 |
| Flax, seed | 0.2 |
| Food commodities/feed commodities (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling establishments | 0.05 |
| Fruit, citrus, group 10 | 0.35 |
| Fruit, pome, group 11 | 2 |
| Fruit, stone, group 12 | 1 |
| Goat, fat | 1.00 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.05 |
| Gold of pleasure, seed | 0.2 |
| Grain, aspirated fractions | 10.0 |
| Grape | 2 |
| Grass, forage, fodder, and hay, group 17, forage | 10 |
| Grass, forage, fodder and hay, group 17, hay | 35 |
| Hare's-ear mustard, seed | 0.2 |
| Hog, fat | 0.1 |
| Hog, meat | 0.05 |
| Horse, fat | 1.00 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.05 |
| Jojoba, refined oil | 0.4 |
| Jojoba, seed | 0.2 |
| Lesquerella, seed | 0.2 |
| Lunaria, seed | 0.2 |
| Meadowfoam, seed | 0.2 |
| Milk, fat (reflecting 0.10 in whole milk) | 2.50 |
| Milkweed, seed | 0.2 |
| Mustard, seed | 0.2 |
| Niger seed, refined oil | 0.4 |
| Niger seed, seed | 0.2 |
| Nut, tree, group 14 | 0.05 |
| Oil radish, seed | 0.2 |
| Okra | 0.2 |
| Onion, bulb | 0.10 |
| Onion, green | 3.00 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.05 |
| Pea and bean, succulent shelled, subgroup 6B | 0.1 |
| Peanut | 0.05 |
| Pecan | 0.05 |
| Poppy, seed | 0.2 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Rapeseed | 0.2 |
| Rice, grain | 1.50 |
| Rice, hulls | 6.00 |
| Rice, straw | 2.00 |
| Rice, wild, grain | 1.5 |
| Rose hip, refined oil | 0.4 |
| Rose hip, seed | 0.2 |
| Safflower, seed | 0.2 |
| Sesame, seed | 0.2 |
| Sheep, fat | 1.00 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.05 |
| Sorghum, grain, forage | 0.1 |
| Sorghum, grain, grain | 0.5 |
| Sorghum, grain, stover | 5.0 |
| Soybean, seed | 0.05 |
| Stokes aster, refined oil | 0.4 |
| Stokes aster, seed | 0.2 |
| Sugarcane, cane | 0.60 |
| Sunflower, refined oil | 0.5 |
| Sunflower, seed | 0.2 |
| Sweet rocket, seed | 0.2 |
| Tallowwood, refined oil | 0.4 |
| Tallowwood, seed | 0.2 |
| Tea oil plant, refined oil | 0.4 |
| Tea oil plant, seed | 0.2 |
| Turnip, greens | 14 |
| Vegetable, cucurbit, group 9 | 0.2 |
| Vegetable, fruiting, group 8 | 0.2 |
| Vegetable, leafy, except brassica, group 4 | 10.00 |
| Vegetable, legume, edible podded, subgroup 6A | 0.5 |
| Vegetable, root and tuber, group 1, except sugar beet | 0.1 |
| Vernonia, refined oil | 0.4 |
| Vernonia, seed | 0.2 |
| Wheat, forage | 3.0 |
| Wheat, grain | 0.2 |
| Wheat, hay | 6.0 |
| Wheat, straw | 7.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 63235, 63243, Nov. 26, 1997, as amended at 63 FR 48586, Sept. 11, 1998; 66 FR 47993, Sept. 17, 2001; 67 FR 6430, Feb. 12, 2002; 67 FR 56495, Sept. 4, 2002; 69 FR 71717, Dec. 10, 2004; 71 FR 78382, Dec. 29, 2006; 72 FR 53462, Sept. 19, 2007; 72 FR 71801, Dec. 19, 2007; 73 FR 1525, Jan. 9, 2008]

### § 180.419 Chlorpyrifos-methyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the insecticide chlorpyrifos-methyl [*O*,-*O*,-dimethyl *O*-(3,5,6-trichloro-2-pyridyl)] phosphorothioate and its metabolite (3,5,6-trichloro-2-pyridinol) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 6.0 |
| Cattle, fat | 0.5 |
| Cattle, meat | 0.5 |
| Cattle, meat byproducts | 0.5 |
| Egg | 0.1 |
| Goat, fat | 0.5 |
| Goat, meat | 0.5 |
| Goat, meat byproducts | 0.5 |
| Hog, fat | 0.5 |
| Hog, meat | 0.5 |
| Hog, meat byproducts | 0.5 |
| Horse, fat | 0.5 |
| Horse, meat | 0.5 |
| Horse, meat byproducts | 0.5 |
| Milk, fat (0.05 ppm (N) in whole milk | 1.25 |
| Oat, grain | 6.0 |
| Poultry, fat | 0.5 |
| Poultry, meat | .5 |
| Poultry, meat byproducts | .5 |
| Rice, grain | 6.0 |
| Sheep, fat | 0.5 |
| Sheep, meat | 0.5 |
| Sheep, meat byproducts | 0.5 |
| Sorghum, grain | 6.0 |
| Wheat, grain | 6.0 |

(2) Tolerances are established for the combined residues of the insecticide chlorpyrifos-methyl (*O*,-*O*- dimethyl-*O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate and its metabolite (3,5,6-trichloro-2-pyridinol) in or on the following food commodities when present therein as a result of application to stored grains:

| Commodity | Parts per million |
|---|---|
| Barley, bran | 90 |
| Barley, pearled barley | 90 |
| Rice, bran | 30 |
| Rice, hulls | 30 |
| Rice, polished rice | 30 |
| Sorghum, grain, bran | 90 |
| Wheat, bran | 30 |
| Wheat, germ | 30 |
| Wheat, middlings | 30 |
| Wheat, shorts | 30 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33715, May 24, 2000, as amended at 74 FR 46374, Sept. 9, 2009]

### § 180.420 Fluridone; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide fluridone, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fluridone, 1-methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1*H*)-pyridinone, and its bound residues, calculated as the stoichiometric equivalent of fluridone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Crayfish | 0.5 |
| Fish | 0.5 |

(2) Tolerances are established for residues of the herbicide fluridone, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only fluridone, 1-methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1*H*)-pyridinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.1 |
| Cattle, liver | 0.1 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Egg | 0.05 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.1 |
| Goat, liver | 0.1 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.05 |
| Hog, kidney | 0.1 |

| Commodity | Parts per million |
|---|---|
| Hog, liver | 0.1 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.1 |
| Horse, liver | 0.1 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, kidney | 0.01 |
| Poultry, liver | 0.01 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.1 |
| Sheep, liver | 0.1 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the herbicide fluridone, including its metabolites and degradates, in or on the irrigated crop commodities and crop groupings in the table in this paragraph, resulting from use of irrigation water containing residues of 0.15 parts per million following applications of fluridone on or around aquatic sites. Where tolerances are established at higher levels from other uses of fluridone on the crops in the table in this paragraph, the higher tolerance also applies to residues in or on the irrigated commodity. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only fluridone, 1-methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-4(1*H*)-pyridinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.15 |
| Avocado | 0.1 |
| Berry, group 13 | 0.1 |
| Cotton, undelinted seed | 0.1 |
| Cranberry | 0.1 |
| Fruit, citrus, group 10 | 0.1 |
| Fruit, pome, group 11 | 0.1 |
| Fruit, stone, group 12 | 0.1 |
| Grain, cereal, forage, fodder and straw, group 16 | 0.1 |
| Grain, cereal, group 15 | 0.1 |
| Grape | 0.1 |
| Grass, forage | 0.15 |
| Hop, dried cones | 0.1 |
| Nut, tree, group 14 | 0.1 |
| Okra | 0.1 |
| Strawberry | 0.1 |
| Vegetable, brassica, leafy, group 5 | 0.1 |
| Vegetable, cucurbit, group 9 | 0.1 |
| Vegetable, fruiting, group 8 | 0.1 |
| Vegetable, leafy, except brassica, group 4 | 0.1 |
| Vegetable, leaves of root and tuber, group 2 | 0.1 |
| Vegetable, legume, group 6 | 0.1 |
| Vegetable, root and tuber, group 1 | 0.1 |

[76 FR 23495, Apr. 27, 2011]

## § 180.421 Fenarimol; tolerances for residues.

(a) *General.* Tolerances are established for residues of fenarimol, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only fenarimol alpha-(2 chlorophenyl)-alpha-(4-chlorophenyl)-5-pyrimidinemethanol.

| Commodity | Parts per million |
|---|---|
| Apple | 0.3 |
| Apple, wet pomace | 0.3 |
| Banana | 0.25 |
| Cattle, fat | 0.01 |
| Cattle, kidney | 0.01 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Cherry, sweet | 1.0 |
| Cherry, tart | 1.0 |
| Goat, fat | 0.01 |
| Goat, kidney | 0.01 |
| Goat, meat | 0.01 |
| Goat, meat byproducts, except kidney | 0.05 |
| Grape | 0.1. |
| Hazelnut | 0.02 |
| Hop, dried cones | 5.0 |
| Horse, fat | 0.01 |
| Horse, kidney | 0.01 |
| Horse, meat | 0.01 |
| Horse, meat byproducts, except kidney | 0.05 |
| Pear | 0.1 |
| Pecan | 0.02 |
| Sheep, fat | 0.01 |
| Sheep, kidney | 0.01 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Vegetable, cucurbit, group 9* | 0.20 |

*There are no U.S. registrations as of August 27, 2010.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[51 FR 39662, Oct. 30, 1986, as amended at 53 FR 27349, July 20, 1988; 53 FR 44403, Nov. 3, 1988; 54 FR 45734, Oct. 31, 1989; 60 FR 33354, June 28, 1995; 62 FR 49937, Sept. 24, 1997; 62 FR 61447, Nov. 18, 1997; 67 FR 35048, May 17, 2002; 67 FR 41807, June 19, 2002; 69 FR 6567, Feb. 11, 2004; 71 FR 32846, June 7, 2006; 71 FR 54434, Sept. 15, 2006; 74 FR 68173, Dec. 23, 2009; 75 FR 56897, Sept. 17, 2010]

## § 180.422 Tralomethrin; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the pesticide chemical tralomethrin ((*S*)-*alpha*-cyano-3-phenoxybenzyl (1*R*,3*S*)-2,2-dimethyl-3-[(*RS*)-1,2,2,2-tetrabromoethyl]-cyclopropanecarboxylate) and its metabolites (*S*)-*alpha*-cyano-3-phenoxybenzyl (1*R*,3*R*)-3(2,2-dibromovinyl)-2,2-dimethyl-cyclopropanecarboxylate and (*S*)-*alpha*-cyano-3-phenoxybenzyl(1*S*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethyl-cyclopropanecarboxylate calculated as the parent in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Broccoli | 0.5 |
| Cotton, undelinted seed | 0.02 |
| Cotton, oil | 0.20 |
| Lettuce, head | 1.00 |
| Lettuce, leaf | 3.00 |
| Soybean | 0.05 |
| Sunflower, seed | 0.05 |

(2) A tolerance of 0.02 part per million is established for the combined residues of the insecticide tralomethrin ((*S*)-*alpha*-cyano-3-phenoxybenzyl-(1*R*,3*S*)-2,2-dimethyl-3-[(RS)-1,2,2,2-tetrabromoethyl] cyclopropanecarboxylate) and its metabolites *cis*-deltamethrin [(*S*-*alpha*-cyano-3-phenoxybenzyl-(1*R*,3*R*)-3-[2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] and trans-deltamethrin [(*S*)-*alpha*-cyano-3-phenoxybenzyl (1*S*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] as follows:

(i) In or on food commodities (other than those covered by a higher tolerance as a result of use on growing crops) in food-handling establishments.

(ii) The insecticide may be present as a residue from application of tralomethrin in food-handling establishments, including food service, manufacturing, and processing establishments, such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries in accordance with the following prescribed conditions:

(A) Application shall be limited to a general surface and spot and/or crack and crevice treatment in food-handling establishments where food and food products are held, processed, prepared, and served. General surface application may be used only when the facility is not in operation provided exposed food has been covered or removed from the area being treated. All food-contact surfaces and equipment must be thoroughly cleaned after general surface applications. Spot and/or crack and crevice application may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Spray concentration shall be limited to a maximum of 0.06 percent active ingredient. Contamination of food and food-contact surfaces shall be avoided.

(B) To assure safe use of the insecticide, its label and labelling shall conform to that registered with the U.S. Environmental Protection Agency and shall be used in accordance with such label and labelling.

(3) A tolerance of 0.02 part per million is established for the combined residues of the insecticide tralomethrin ((*S*)-*alpha*-cyano-3-phenoxybenzyl-(1*R*,3*S*)-2,2-dimethyl-3-[(*RS*)-1,2,2,2-tetrabromoethyl] cyclopropanecarboxylate) and its metabolites *cis*-deltamethrin [(*S*)-*alpha*-cyano-3-phenoxybenzyl-(1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] and *trans*-deltamethrin [(*S*)-*alpha*-cyano-3-phenoxybenzyl (1*S*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate as follows:

(i) In or on all feed items (other than those covered by a higher tolerance as a result of use on growing crops) in feed-handling establishments.

(ii) The insecticide may be present as a residue from application of tralomethrin in feed-handling establishments, including feed manufacturing and processing establishments in accordance with the following prescribed conditions:

(A) Application shall be limited to a general surface and spot and/or crack and crevice treatment in feed-handling establishments where feed and feed products are held or processed. General surface application may be used only when the facility is not in operation provided exposed feed has been covered or removed from the area being treated. All feed-contact surfaces and equipment must be thoroughly cleaned after general surface applications. Spot and/or crack and crevice application may be used while the facility is in operation provided exposed feed is covered or removed from the area being treated prior to application. Spray concentration shall be limited to a maximum of 0.06 percent active ingredient. Contamination of feed and feed- contact surfaces shall be avoided.

(B) To assure safe use of the insecticide, its label and labelling shall conform to that registered with the U.S. Environmental Protection Agency and shall be used in accordance with such label and labelling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 63001, Nov. 26, 1997, as amended at 62 FR 66025, Dec. 17, 1997; 65 FR 33701, May 24, 2000; 71 FR 74817, Dec. 13, 2006]

### § 180.425 Clomazone; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide clomazone, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only clomazone, 2-[(2-chlorophenyl)methyl]-4,4-dimethyl-3-isoxazolidinone, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Bean, snap, succulent | 0.05 |
| Cabbage | 0.1 |
| Cotton, undelinted seed | 0.05 |
| Cucumber | 0.1 |
| Pea, succulent | 0.05 |
| Pepper | 0.05 |
| Peppermint, tops | 0.05 |
| Pumpkin | 0.1 |
| Rice, grain | 0.02 |
| Rice, straw | 0.02 |
| Soybean | 0.05 |
| Spearmint, tops | 0.05 |
| Squash, summer | 0.1 |
| Squash, winter | 0.1 |
| Sugarcane, cane | 0.05 |
| Sweet potato, roots | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, tuberous and corm, except potato, subgroup 1D | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[51 FR 9446, Mar. 19, 1986]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.425, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.426 2-[4,5-Dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-3-quinoline carboxylic acid; tolerance for residues.

A tolerance is established for residues of the herbicide 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-3-quinoline carboxylic acid, in or on the raw agricultural commodity soybean at 0.05 part per million.

[51 FR 13309, Apr. 2, 1986]

### § 180.427 Tau-Fluvalinate; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide tau-fluvalinate, cyano-(3-phenoxyphenyl)methyl *N*-[2-chloro-4-(trifluoromethyl)phenyl]-*D*-valinate, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Honey | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect and inadvertent residues*. [Reserved]

[65 FR 33701, May 24, 2000, as amended at 67 FR 49617, July 31, 2002; 73 FR 52616, Sept. 10, 2008]

### § 180.428 Metsulfuron methyl; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of the herbicide metsulfuron methyl (methyl 2-[[[[(4-methoxy-6-methyl-1,3,5- triazin-2-yl)amino]carbonyl]amino] sulfonyl] benzoate) and its metabolite methyl 2-[[[[(4-methoxy-6-methyl-1-,3,5- triazin-2-yl)amino]carbonyl]amino] sulfonyl]-4-hydroxybenzoate in or on the following raw material agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1 |
| Barley, hay | 20.0 |
| Barley, straw | 0.3 |
| Grass, forage | 15.0 |
| Grass, hay | 15.0 |
| Grass, straw | 15.0 |
| Sorghum, grain, forage | 0.2 |
| Sorghum, grain, grain | 0.1 |
| Sorghum, grain, stover | 0.2 |
| Sugarcane, cane | 0.05 |
| Wheat, forage | 5.0 |
| Wheat, grain | 0.1 |
| Wheat, hay | 20.0 |
| Wheat, straw | 0.3 |

(2) Tolerances are established for residues of metsulfuron methyl (methyl-2[[[[(4-methoxy- 6-methyl-1,3,5-triazin-2- yl)amino]carbonyl]amino] sulfonyl] benzoate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, kidney | 0.5 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Goat, fat | 0.1 |
| Goat, kidney | 0.5 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Hog, fat | 0.1 |
| Hog, kidney | 0.5 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.1 |
| Horse, kidney | 0.5 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Milk | 0.05 |
| Sheep, fat | 0.1 |
| Sheep, kidney | 0.5 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 70191, Dec. 16, 1999, as amended at 66 FR 64773, Dec. 14, 2001; 67 FR 51097, Aug. 7, 2002]

### § 180.429 Chlorimuron ethyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide chlorimuron ethyl, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified in the following table is to be determined by measuring only chlorimuron ethyl, ethyl 2-[[[[(4-chloro-6-methoxypyrimidin-2yl)amino]carbonyl]sulfonyl]benzoate] in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Berry, low growing, except strawberry, subgroup 13–07H | 0.02 |
| Corn, field, forage | 0.5 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 2.0 |
| Grain, aspirated fractions | 3.0 |
| Peanut | 0.02 |
| Soybean, forage | 0.45 |
| Soybean, hay | 1.8 |
| Soybean, seed | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 10494, Mar. 11, 2009, as amended at 74 FR 67087, Dec. 18, 2009]

### § 180.430 Fenoxaprop-ethyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide fenoxaprop-ethyl, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to

be determined by measuring only the sum of fenoxaprop-ethyl, (±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate, and its metabolites, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid and 6-chloro-2,3-dihydrobenzoxazol-2-one, calculated as the stoichiometric equivalent of fenoxaprop-ethyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, straw | 0.1 |
| Cattle, fat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cattle, meat | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Goat, meat | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Hog, meat | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Horse, meat | 0.05 |
| Milk | 0.02 |
| Peanut | 0.05 |
| Peanut, hulls | 0.05 |
| Rice, grain | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Sheep, meat | 0.05 |
| Soybean | 0.05 |
| Wheat, grain | 0.05 |
| Wheat, straw | 0.50 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the herbicide fenoxaprop-ethyl, including its metabolites and degradates, in or on the commodities in the table in this paragraph in connection with use of fenoxaprop-ethyl under section 18 emergency exemptions granted by EPA. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of fenoxaprop-ethyl, (±)-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoate, and its metabolites, 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid and 6-chloro-2,3-dihydrobenzoxazol-2-one, calculated as the stoichiometric equivalent of fenoxaprop-ethyl, in or on the commodity. The tolerances expire and are revoked on the dates specified in the table in this paragraph.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Grass, forage | 0.05 | 12/31/13 |
| Grass, hay | 0.05 | 12/31/13 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 1377, Jan. 9, 1998, as amended at 63 FR 19837, Apr. 22, 1998; 73 FR 33718, June 13, 2008; 75 FR 80346, Dec. 22, 2010; 76 FR 23495, Apr. 27, 2011]

## § 180.431 Clopyralid; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide clopyralid, including its metabolites and degradates, in or on the commodities in the table below from its application in the acid form or in the form of its salts. Compliance with the tolerance levels specified below is to be determined by measuring only clopyralid, (3,6-dichloro-2-pyridinecarboxylic acid), in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Asparagus | 1.0 |
| Barley, bran | 12 |
| Barley, grain | 3.0 |
| Barley, hay | 9.0 |
| Barley, pearled barley | 12 |
| Barley, straw | 9.0 |
| Beet, garden, tops | 3.0 |
| Beet, garden, roots | 4.0 |
| Beet, sugar, molasses | 10 |
| Beet, sugar, roots | 2.0 |
| Beet, sugar, tops | 3.0 |
| Brassica, head and stem, subgroup 5A | 2.0 |
| Bushberry subgroup 13-07B | 0.50 |
| Canola, meal | 6.0 |
| Canola, seed | 3.0 |
| Cattle, fat | 1.0 |
| Cattle, liver | 3.0 |
| Cattle, meat | 1.0 |
| Cattle, meat byproducts, except liver | 36.0 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 1.0 |
| Corn, field, milled byproducts | 1.5 |
| Corn, field, stover | 10.0 |
| Corn, pop, grain | 1.0 |
| Corn, pop, stover | 10.0 |
| Corn, sweet, forage | 7.0 |
| Corn, sweet, kernel plus cob with husks removed | 1.0 |
| Corn, sweet, stover | 10.0 |
| Crambe, seed | 3.0 |
| Cranberry | 4.0 |
| Egg | 0.1 |
| Flax, meal | 6.0 |
| Flax, seed | 3.0 |
| Fruit, stone, group 12 | 0.5 |
| Goat, fat | 1.0 |
| Goat, liver | 3.0 |

| Commodity | Parts per million |
|---|---|
| Goat, meat | 1.0 |
| Goat, meat byproducts, except liver | 36.0 |
| Grass, forage | 500.0 |
| Grass, hay | 500.0 |
| Hog, fat | 0.2 |
| Hog, meat | 0.2 |
| Hog, meat byproducts | 0.2 |
| Hop, dried cones | 5.0 |
| Horse, fat | 1.0 |
| Horse, liver | 3.0 |
| Horse, meat | 1.0 |
| Horse, meat byproducts, except liver | 36.0 |
| Milk | 0.2 |
| Mustard greens | 5.0 |
| Mustard, seed | 3.0 |
| Oat, forage | 9.0 |
| Oat, grain | 3.0 |
| Oat, groats/rolled oats | 12 |
| Oat, straw | 9.0 |
| Peppermint, tops | 3.0 |
| Plum, prune, dried | 1.5 |
| Poultry, fat | 0.2 |
| Poultry, meat | 0.2 |
| Poultry, meat byproducts | 0.2 |
| Rapeseed, seed | 3.0 |
| Rapeseed, forage | 3.0 |
| Sheep, fat | 1.0 |
| Sheep, liver | 3.0 |
| Sheep, meat | 1.0 |
| Sheep, meat byproducts, except liver | 36.0 |
| Spearmint, tops | 3.0 |
| Spinach | 5.0 |
| Strawberry | 4.0 |
| Swiss chard | 3.0 |
| Turnip, greens | 4.0 |
| Turnip, roots | 1.0 |
| Wheat, bran | 12 |
| Wheat, forage | 9.0 |
| Wheat, germ | 12 |
| Wheat, grain | 3.0 |
| Wheat, middling | 12 |
| Wheat, shorts | 12 |
| Wheat, straw | 9.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[52 FR 10566, Apr. 2, 1987]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.431, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.432 Lactofen; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide lactofen, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only lactofen, 2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Beans, snap, succulent, except lima bean | 0.01 |
| Cotton, gin byproducts | 0.02 |
| Cotton, undelinted seed | 0.01 |
| Peanut | 0.01 |
| Soybean, seed | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l), are established for residues of the herbicide lactofen, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only lactofen, 2-ethoxy-1-methyl-2-oxoethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Okra | 0.02 |
| Vegetables, fruiting, group 08 | 0.02 |

(d) *Indirect or inadvertent residues.* [Reserved]

[69 FR 57216, Sept. 24, 2004, as amended at 72 FR 33906, June 20, 2007; 76 FR 23496, Apr. 27, 2011]

### § 180.433 Fomesafen; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide fomesafen, including its metabolites and degradates, in or on the following commodities. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only fomesafen, 5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Bean, dry | 0.05 |
| Bean, snap, succulent | 0.05 |
| Cotton, gin byproducts | 0.025 |
| Cotton, undelinted seed | 0.025 |
| Pepper, bell | 0.025 |
| Pepper, non-bell | 0.025 |

| Commodity | Parts per million |
|---|---|
| Potato | 0.025 |
| Soybean | 0.05 |
| Tomato | 0.025 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 25951, May 3, 2006, as amended at 72 FR 52020, Sept. 12, 2007; 76 FR 12882, Mar. 9, 2011]

## § 180.434 Propiconazole; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl] methyl]-1H-1,2,4-triazole and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as parent compound in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 7.0 |
| Banana | 0.2 |
| Barley, bran | 0.6 |
| Barley, grain | 0.3 |
| Barley, hay | 1.4 |
| Barley, straw | 10 |
| Beet, garden, roots | 0.30 |
| Beet, garden, tops | 5.5 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, molasses | 1.5 |
| Beet, sugar, roots | 0.3 |
| Beet, sugar, tops | 10 |
| Bushberry, subgroup 13–07B | 1.0 |
| Caneberry, subgroup 13–07A | 1.0 |
| Carrot, roots | 0.25 |
| Cattle, fat | 0.05 |
| Cattle, kidney | 2.0 |
| Cattle, liver | 2.0 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except liver and kidney | 0.05 |
| Cilantro, leaves | 13 |
| Corn, field, forage | 12 |
| Corn, field, grain | 0.2 |
| Corn, field, stover | 30 |
| Corn, pop, grain | 0.2 |
| Corn, pop, stover | 30 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |
| Corn, sweet, stover | 30 |
| Fruit, stone, group 12 | 1.0 |
| Goat, fat | 0.05 |
| Goat, kidney | 2.0 |
| Goat, liver | 2.0 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except liver and kidney | 0.05 |
| Grain, aspirated fractions | 30 |
| Grass, forage | 0.5 |
| Grass, hay | 0.5 |
| Grass, straw | 40 |
| Hog, kidney | 0.2 |
| Hog, liver | 0.2 |
| Horse, fat | 0.05 |
| Horse, kidney | 2.0 |
| Horse, liver | 2.0 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except liver and kidney | 0.05 |
| Leaf petioles subgroup 4B | 5.0 |
| Low growing berry subgroup 13–07G, except cranberry | 1.3 |
| Milk | 0.05 |
| Mushroom | 0.1 |
| Nut, tree, group 14 | 0.1 |
| Oat, forage | 1.7 |
| Oat, grain | 0.3 |
| Oat, hay | 1.4 |
| Oat, straw | 10 |
| Onion, bulb subgroup 3–07A | 0.2 |
| Onion, green, subgroup 3–07B | 9.0 |
| Parsley, fresh leaves | 13 |
| Parsley, dried leaves | 35 |
| Peanut | 0.2 |
| Peanut, hay | 20 |
| Peppermint, tops | 10.0 |
| Pineapple | 4.5 |
| Pineapple, process residue | 7.0 |
| Pistachio | 0.1 |
| Rice, bran | 15 |
| Rice, grain | 7.0 |
| Rice, hulls | 20 |
| Rice, straw | 18 |
| Rye, bran | 0.6 |
| Rye, forage | 1.7 |
| Rye, grain | 0.3 |
| Rye, straw | 10 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 2.0 |
| Sheep, liver | 2.0 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except liver and kidney | 0.05 |
| Sorghum, grain, forage | 12 |
| Sorghum, grain, grain | 3.5 |
| Sorghum, grain, stover | 15 |
| Soybean, forage | 11 |
| Soybean, hay | 30 |
| Soybean, seed | 2.0 |
| Spearmint, tops | 10.0 |
| Wheat, bran | 0.6 |
| Wheat, forage | 1.7 |
| Wheat, grain | 0.3 |
| Wheat, hay | 1.4 |
| Wheat, straw | 10 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of propiconazole (1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl] methyl]-1H-1,2,4-triazole) and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as parent compound, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances will expire and are revoked on the dates specified in the following table:

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Avocado | 10 | 12/31/13 |
| Nectarine | 2.0 | 12/31/13 |
| Peach | 2.0 | 12/31/13 |

(c) *Tolerances with regional registrations*. A tolerance with regional registration, as defined in § 180.1(l), is established for residues of 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as parent compound, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cranberry | 1.0 |
| Rice, wild, grain | 0.5 |

(d) *Indirect or inadvertent residues*. Tolerances are established for the combined residues of the fungicide 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl] methyl]-1H-1,2,4-triazole and its metabolites determined as 2,4-dichlorobenzoic acid and expressed as parent compound in or on the following commodities when present therein as a result of application of propiconazole to growing crops in paragraphs (a) and (c) of this section:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.1 |
| Alfalfa, hay | 0.1 |

[71 FR 55306, Sept. 22, 2006, as amended at 72 FR 20439, Apr. 25, 2007; 74 FR 12613, Mar. 25, 2009; 75 FR 80346, Dec. 22, 2010; 76 FR 27268, May 11, 2011]

## § 180.435 Deltamethrin; tolerances for residues.

(a) *General*. (1) Tolerances are established for the combined residues of the pesticide chemical deltamethrin [(1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylic acid (*S*)-*alpha*-cyano-3-phenoxybenzyl ester and its major metabolites, *trans* deltamethrin [(*S*)-*alpha*-cyano-*m*-phenoxybenzyl(1R,3S)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] and *alpha*-*R*-deltamethrin [(*R*)-*alpha*-cyano-*m*-phenoxybenzyl-(1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] in or on the following agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.5 |
| Apple, wet pomace | 1.0 |
| Artichoke, globe | 0.5 |
| Barley, bran | 5.0 |
| Cattle, fat | 0.05 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.05 |
| Corn, field, forage | 0.7 |
| Corn, field, refined oil | 2.5 |
| Corn, field, stover | 5.0 |
| Corn, pop, stover | 5.0 |
| Corn, sweet, forage | 10 |
| Corn, sweet, kernel plus cob with husks removed | 0.03 |
| Corn, sweet, stover | 15 |
| Cotton, refined oil | 0.2 |
| Cotton, undelinted seed | 0.04 |
| Egg | 0.02 |
| Fruit, pome, Group 11 | 0.2 |
| Goat, fat | 0.05 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.05 |
| Grain, aspirated fractions | 65 |
| Grain, cereal, Group 15, except sweet corn | 1.0 |
| Hog, fat | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.05 |
| Lychee* | 0.2 |
| Milk, fat (reflecting 0.02 ppm in whole milk) | 0.1 |
| Nut, tree, Group 14 | 0.1 |
| Onion, bulb | 0.1 |
| Onion, green | 1.5 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.02 |
| Radish, tops | 4.0 |
| Rapeseed | 0.2 |
| Rice, hulls | 2.5 |
| Rye, bran | 5.0 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.05 |
| Sorghum, grain, forage | 0.5 |
| Sorghum, grain, stover | 1.0 |
| Soybean, seed | 0.1 |
| Soybean, hulls | 0.2 |
| Starfruit* | 0.2 |
| Sunflower, seed | 0.1 |
| Tomato | 0.2 |
| Tomato, paste | 1.0 |
| Tomato, puree | 1.0 |
| Vegetable, cucurbit, Group 9 | 0.2 |
| Vegetable, fruiting, Group 8 | 0.3 |
| Vegetable, root, except sugar beet, Subgroup IB | 0.2 |
| Vegetable, tuberous and corm, Subgroup IC | 0.04 |
| Wheat, bran | 5.0 |

*There are no U.S. registrations for use of deltamethrin on starfruit and lychee.

(2) A tolerance of 0.05 ppm is established for residues of the insecticide deltamethrin (1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylic acid (*S*)-alpha-cyano-3-phenoxybenzyl ester

and its major metabolites, trans deltamethrin (*S*)-alpha-cyano-*m*-phenoxybenzyl-(1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate and alpha-*R*-deltamethrin[(*R*)-alpha-cyano-*m*-phenoxybenzyl-(1*R*,3*R*)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] as follows:

(i) In or on all food/feed items (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling establishments.

(ii) The insecticide may be present as a residue from application of deltamethrin in food handling establishments, including food service, manufacturing and processing establishments, such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries, feed handling establishments including feed manufacturing and processing establishments, in accordance with the following prescribed conditions:

(A) Application shall be limited to general surface and spot and/or crack and crevice treatment in food/feed handling establishments where food/feed and food/feed products are held, processed, prepared and served. General surface application may be used only when the facility is not in operation provided exposed food/feed has been covered or removed from the area being treated. Spot and/or crack and crevice application may be used while the facility is in operation provided exposed food/feed is covered or removed from the area being treated prior to application. Spray concentration shall be limited to a maximum of 0.06 percent active ingredient. Contamination of food/feed or food/feed contact surfaces shall be avoided.

(B) To assure safe use of the insecticide, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency and shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 63001, Nov. 26, 1997, as amended at 63 FR 45414, Aug. 26, 1998; 69 FR 62614, Oct. 27, 2004; 74 FR 46375, Sept. 9, 2009; 76 FR 34885, June 15, 2011]

### § 180.436 Cyfluthrin and the isomer beta-cyfluthrin; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide cyfluthrin (cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2dimethyl-cyclopropane-carboxylate; CAS No. 68359–37–5) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa | 5.0 |
| Alfalfa, forage | 5.0 |
| Alfalfa, hay | 13 |
| Almond, hulls | 0.5 |
| Barley, bran | 0.5 |
| Barley, grain | 0.15 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, roots | 0.10 |
| Brassica, head and stem, subgroup 5A | 2.5 |
| Brassica, leafy greens, subgroup 5B | 7.0 |
| Buckwheat, grain | 0.15 |
| Carrot, roots | 0.20 |
| Cattle, fat | 2.0 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Citrus, dried pulp | 0.3 |
| Citrus, oil | 0.3 |
| Corn, field, grain | 0.05 |
| Corn, pop, grain | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cotton, hulls | 2.0 |
| Cotton, refined oil | 2.0 |
| Cotton, undelinted seed | 1.0 |
| Egg | 0.01 |
| Fruit, citrus, group 10 | 0.2 |
| Fruit, pome, group 11 | 0.5 |
| Fruit, stone, group 12 | 0.3 |
| Goat, fat | 2.0 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Grain, aspirated fractions | 150 |
| Grain, cereal, forage, fodder and hay, group 16, forage, except rice | 25 |
| Grain, cereal, forage, fodder and hay, group 16, hay, except rice | 6.0 |
| Grain, cereal, forage, fodder and hay, group 16, stover, except rice | 30 |
| Grain, cereal, forage, fodder and hay, group 16, straw, except rice | 7.0 |
| Grape | 1.0 |
| Grape, raisin | 3.5 |
| Grass, forage, fodder and hay, group 17, forage | 12 |
| Grass, forage, fodder and hay, group 17, hay | 50 |
| Hog, fat | 0.5 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.01 |
| Hop, dried cones | 20.0 |
| Hop, vines | 4.0 |

| Commodity | Parts per million |
|---|---|
| Horse, fat | 2.0 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Lettuce, head | 2.0 |
| Lettuce, leaf | 3.0 |
| Milk | 0.2 |
| Milk, fat | 5.0 |
| Millet, grain | 0.15 |
| Mustard greens | 7.0 |
| Nut, tree, group 14 | 0.01 |
| Oat, bran | 0.5 |
| Oat, grain | 0.15 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.15 |
| Pea, dry, seed | 0.15 |
| Pea, southern, succulent | 0.25 |
| Peanut | 0.01 |
| Peanut, hay | 6.0 |
| Pepper | 0.50 |
| Pistachio | 0.01 |
| Poultry, fat | 0.01 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Radish, roots | 1.0 |
| Rye, bran | 0.5 |
| Rye, grain | 0.15 |
| Sheep, fat | 2.0 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Sorghum, grain, grain | 3.5 |
| Soybean, forage | 8.0 |
| Soybean, hay | 4.0 |
| Soybean, seed | 0.03 |
| Sugarcane, cane | 0.05 |
| Sugarcane, molasses | 0.20 |
| Sunflower, forage | 5.0 |
| Sunflower, seed | 0.02 |
| Teosinte, grain | 0.05 |
| Tomato | 0.20 |
| Tomato, dry pomace | 5.0 |
| Tomato, paste | 0.5 |
| Tomato, wet pomace | 5.0 |
| Triticale, grain | 0.15 |
| Turnip, greens | 7.0 |
| Vegetable, cucurbit, group 9 | 0.1 |
| Vegetable, fruiting, group 8 | 0.5 |
| Vegetable, leafy, except brassica, group 4 | 6.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |
| Wheat, bran | 0.5 |
| Wheat, grain | 0.15 |
| Wheat, shorts | 0.5 |

(2) A tolerance of 0.05 ppm is established for residues of the insecticide cyfluthrin (cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate; CAS Reg. No. 69359–37–5) in food commodities exposed to the insecticide during treatment of food-handling establishments where food and food products are held, processed, prepared, or served. Treatments may be made by general surface, spot, and/or crack and crevice applications.

(i) General surface treatments shall be limited to a maximum of 3.8 grams of active ingredient per 1,000 square feet, applying to walls, floors, and ceilings with a low-pressure system. Cover or remove all food processing and/or handling equipment during application. Do not apply directly to food products. Reapplications may be made at 10-day intervals.

(ii) Crack and crevice or spot treatments shall be limited to a maximum of 0.1 percent of the active ingredient weight, applied with a low-pressure system with a pinpoint or variable-pattern nozzle. Dust formulation shall be limited to a maximum of 0.1 percent of the active ingredient by weight, applied using a hand duster, power duster, or other equipment capable of applying dust insecticide directly into voids and cracks and crevices. Dust applications should be made in a manner to avoid deposits on exposed surfaces or introducing the material into the air. Cover exposed food or remove food from premises. Do not apply directly to food. Reapplications may be made at 10-day intervals.

(iii) To ensure safe use of the insecticide, its label and labeling shall conform to that registered by the Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(3) A tolerance of 0.05 part per million is established for residues of the insecticide cyfluthrin (cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate; CAS Reg. No. 68359–37–5) in feed commodities exposed to the insecticide during treatment of feed-handling establishments where feed and feed products are held, processed, prepared, or served. Treatments may be made by general surface, spot, and/or crack and crevice applications.

(i) General surface tratments shall be limited to a maximum of 3.8 grams of active ingredient per 1,000 square feet, applying to walls, floors, and ceilings with a low-pressure system. Cover or remove all feed processing and/or handling equipment during application. Do not apply directly to feed products. Reapplications may be made at 10-day intervals.

(ii) Crack and crevice or spot treatments shall be limited to a maximum

of 0.1 percent of the active ingredient by weight, applied with a low-pressure system with a pinpoint or variable-pattern nozzle. Dust formulation shall be limited to a maximum of 0.1 percent of the active ingredient by weight, applied using a hand duster, power duster, or other equipment capable of applying dust insecticide directly into voids and cracks and crevices. Dust applications should be made in a manner to avoid deposits on exposed surfaces or introducing the material into the air. Cover exposed feed or remove feed from premises. Do not apply directly to feed. Reapplications may be made at 10-day intervals.

(iii) To ensure safe use of the insecticide, its label and labeling shall conform to that registered by EPA, and it shall be used in accordance with such label and labeling.

(4) Tolerances are established for residues of the isomer, beta-cyfluthrin, cyano(4-fluoro-3-phenoxyphenyl)methyl-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate [mixture comprising the enantiomeric pair (*R*)-α-cyano-4-fluoro-3-phenoxybenzyl (1*S*,3*S*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (S)-α-cyano-4-fluoro-3-phenoxybenzyl (1*R*,3*R*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate with the enantiomeric pair (*R*)-α-cyano-4-fluoro-3-phenoxybenzyl (1*S*,3*R*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (*S*)-α-cyano-4-fluoro-3-phenoxybenzyl (1*R*,3*S*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate], in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa | 5.0 |
| Alfalfa, forage | 5.0 |
| Alfalfa, hay | 13 |
| Almond, hulls | 0.5 |
| Barley, bran | 0.5 |
| Barley, grain | 0.15 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, roots | 0.10 |
| Brassica, head and stem, subgroup 5A | 2.5 |
| Brassica, leafy greens, subgroup 5B | 7.0 |
| Buckwheat, grain | 0.15 |
| Carrot, roots | 0.20 |
| Cattle, fat | 2.0 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Citrus, dried pulp | 0.3 |
| Citrus, oil | 0.3 |
| Corn, field, grain | 0.05 |
| Corn, pop, grain | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cotton, hulls | 2.0 |
| Cotton, refined oil | 2.0 |
| Cotton, undelinted seed | 1.0 |
| Egg | 0.01 |
| Fruit, citrus, group 10 | 0.2 |
| Fruit, pome, group 11 | 0.5 |
| Fruit, stone, group 12 | 0.3 |
| Goat, fat | 2.0 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Grain, aspirated fractions | 150 |
| Grain, cereal, forage, fodder and hay, group 16, forage, except rice | 25 |
| Grain, cereal, forage, fodder and hay, group 16, hay, except rice | 6.0 |
| Grain, cereal, forage, fodder and hay, group 16, stover, except rice | 30 |
| Grain, cereal, forage, fodder and hay, group 16, straw, except rice | 7.0 |
| Grape | 1.0 |
| Grape, raisin | 3.5 |
| Grass, forage, fodder and hay, group 17, forage | 12 |
| Grass, forage, fodder and hay, group 17, hay | 50 |
| Hog, fat | 0.5 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.01 |
| Hop, dried cones | 20.0 |
| Hop, vines | 4.0 |
| Horse, fat | 2.0 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Lettuce, head | 2.0 |
| Lettuce, leaf | 3.0 |
| Milk | 0.2 |
| Milk, fat | 5.0 |
| Millet, grain | 0.15 |
| Mustard greens | 7.0 |
| Nut, tree, group 14 | 0.01 |
| Oat, bran | 0.5 |
| Oat, grain | 0.15 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.15 |
| Pea, dry, seed | 0.15 |
| Pea, southern, succulent | 0.25 |
| Peanut | 0.01 |
| Peanut, hay | 6.0 |
| Pepper | 0.50 |
| Pistachio | 0.01 |
| Poultry, fat | 0.01 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Radish, roots | 1.0 |
| Rye, bran | 0.5 |
| Rye, grain | 0.15 |
| Sheep, fat | 2.0 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Sorghum, grain, grain | 3.5 |
| Soybean, forage | 8.0 |
| Soybean, hay | 4.0 |
| Soybean, seed | 0.03 |
| Sugarcane, cane | 0.05 |
| Sugarcane, molasses | 0.20 |
| Sunflower, forage | 5.0 |
| Sunflower, seed | 0.02 |
| Teosinte, grain | 0.05 |
| Tomato | 0.20 |
| Tomato, paste | 0.5 |

| Commodity | Parts per million |
|---|---|
| Tomato, pomace | 5.0 |
| Triticale, grain | 0.15 |
| Turnip, greens | 7.0 |
| Vegetable, cucurbit, group 9 | 0.1 |
| Vegetable, fruiting, group 8 | 0.5 |
| Vegetable, leafy greens, except Brassica, group 4 | 6.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |
| Wheat, bran | 0.5 |
| Wheat, grain | 0.15 |
| Wheat, shorts | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[53 FR 1924, Jan. 25, 1988]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.436, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.437 Methyl 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*p*-toluate and methyl 6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*m*-toluate; tolerances for residues.

Tolerances are established for the combined residues of the herbicide methyl 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*p*-toluate and methyl 6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-*m*-toluate in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.10 |
| Barley, straw | 2.00 |
| Sunflower, seed | 0.10 |
| Wheat, grain | 0.10 |
| Wheat, straw | 2.00 |

[53 FR 24069, June 27, 1988]

### § 180.438 Lambda-cyhalothrin and an isomer gamma-cyhalothrin; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the pyrethroid lambda-cyhalothrin, 1:1 mixture of (*S*)-α-cyano-3-phenoxybenzyl-(*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (*R*)-α-cyano-3-phenoxybenzyl-(*Z*)-(1*S*,3*S*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and its epimer expressed as epimer of lambda-cyhalothrin, a 1:1 mixture of (*S*)-α-cyano-3-phenoxybenzyl-(*Z*)-(1*S*,3*S*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (*R*)-α-cyano-3-phenoxybenzyl-(*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate, on plants and livestocks, as indicated in the following table.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 5.0 |
| Alfalfa, hay | 6.0 |
| Almond, hulls | 1.5 |
| Apple, wet pomace | 2.50 |
| Avocado, imported | 0.20 |
| Barley, bran | 0.2 |
| Barley, grain | 0.05 |
| Barley, hay | 2.0 |
| Barley, straw | 2.0 |
| Brassica, head and stem, subgroup 5A | 0.4 |
| Buckwheat, grain | 0.05 |
| Canola, refined oil | 2.0 |
| Canola, seed | 1.0 |
| Cattle, fat | 3.0 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.2 |
| Corn, field, flour | 0.15 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 1.0 |
| Corn, pop, grain | 0.05 |
| Corn, pop, grain, flour | 0.05 |
| Corn, pop, stover | 1.0 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, stover | 1.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Egg | 0.01 |
| Fruit, pome, group 11 | 0.30 |
| Fruit, stone, group 12 | 0.50 |
| Garlic | 0.1 |
| Goat, fat | 3.0 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.2 |
| Grain, aspirated fractions | 2.0 |
| Grass, forage, fodder and hay, group 17 | 7.0 |
| Hog, fat | 0.2 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.02 |
| Hop, dried cones | 10.0 |
| Horse, fat | 3.0 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.2 |
| Lettuce, head | 2.0 |
| Lettuce, leaf | 2.0 |
| Milk, fat (reflecting 0.4 ppm in whole milk) | 10.0 |
| Nut, tree, group 14 | 0.05 |
| Oat, grain | 0.05 |
| Oat, forage | 2.0 |
| Oat, hay | 2.0 |
| Oat, straw | 2.0 |
| Onion, bulb | 0.1 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.10 |

| Commodity | Parts per million |
|---|---|
| Pea and bean, succulent shelled, subgroup 6B | 0.01 |
| Peanut | 0.05 |
| Peanut, hay | 3.0 |
| Pistachio | 0.05 |
| Poultry, fat | 0.03 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Rice, grain | 1.0 |
| Rice, hulls | 5.0 |
| Rice, straw | 1.8 |
| Rice, wild, grain | 1.0 |
| Rye, bran | 0.2 |
| Rye, grain | 0.05 |
| Rye, forage | 2.0 |
| Rye, straw | 2.0 |
| Sheep, fat | 3.0 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.2 |
| Soybean | 0.01 |
| Sorghum, grain, grain | 0.2 |
| Sorghum, grain, forage | 0.30 |
| Sorghum, grain, stover | 0.50 |
| Sugarcane, cane | 0.05 |
| Sunflower, forage | 0.2 |
| Sunflower, seed, hulls | 0.50 |
| Sunflower, refined oil | 0.30 |
| Sunflower, seed | 0.2 |
| Tomato | 0.1 |
| Tomato, dry pomace | 6.0 |
| Tomato, wet pomace | 6.0 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, fruiting, group 8 | 0.20 |
| Vegetable, legume, edible podded, subgroup 6A | 0.20 |
| Vegetable, tuberous and corm, subgroup 1C | 0.02 |
| Wheat, grain | 0.05 |
| Wheat, forage | 2.0 |
| Wheat, hay | 2.0 |
| Wheat, straw | 2.0 |
| Wheat, bran | 0.2 |

(2) Tolerances[1] are established for the combined residues of the pyrethroid [gamma-cyhalothrin (the isolated active isomer of lambda-cyhalothrin) (*S*)-′-cyano-3-phenoxybenzyl (*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate)) and its epimer (*R*)-′-cyano-3-phenoxybenzyl (*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate in/on the following commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 5 |
| Alfalfa, hay | 6 |
| Almond, hulls | 1.5 |
| Apple, pomace, wet | 2.50 |
| Avocado, imported | 0.20 |
| Brassica, head and stem, subgroup 5A | 0.4 |
| Canola, seed | 0.15 |
| Cattle, fat | 3 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.2 |
| Corn, field, flour | 0.15 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 1.0 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 1.0 |
| Corn, sweet, forage | 6.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 1.0 |
| Cotton, undelinted seed | 0.05 |
| Egg | 0.01 |
| Fruit, pome, group 11 | 0.30 |
| Fruit, stone, group 12 | 0.50 |
| Garlic | 0.10 |
| Goat, fat | 3.0 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.2 |
| Grain, aspirated fractions | 2.0 |
| Hog, fat | 3.0 |
| Hog, meat | 0.2 |
| Hog, meat byproducts | 0.2 |
| Horse, fat | 3.0 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.2 |
| Lettuce, head | 2.0 |
| Lettuce, leaf | 2.0 |
| Milk, fat (reflecting 0.20 ppm in whole milk) | 5.0 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.20 |
| Onion, bulb | 0.1 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.10 |
| Pea and bean, succulent shelled, subgroup 6B | 0.01 |
| Peanut | 0.05 |
| Peanut, hay | 3.0 |
| Pistachio | 0.05 |
| Poultry, fat | 0.03 |
| Poultry, meat | 0.01 |
| Poultry, meat byproducts | 0.01 |
| Rice, grain | 1.0 |
| Rice, hulls | 5.0 |
| Rice, straw | 1.8 |
| Sheep, fat | 3.0 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.2 |
| Sorghum, grain, forage | 0.30 |
| Sorghum, grain, grain | 0.20 |
| Sorghum, grain, stover | 0.50 |
| Soybean | 0.01 |
| Sugarcane | 0.05 |
| Sunflower, forage | 0.20 |
| Sunflower, refined oil | 0.30 |
| Sunflower, seed | 0.20 |
| Sunflower, seed, hulls | 0.50 |
| Tomato | 0.10 |
| Tomato, dry pomace | 6.0 |
| Tomato, wet pomace | 6.0 |
| Vegetables, fruiting, group 8 | 0.20 |
| Vegetable, legume, edible podded, subgroup 6A | 0.20 |
| Wheat, bran | 2.0 |
| Wheat, forage | 2.0 |
| Wheat, grain | 0.05 |
| Wheat, hay | 2.0 |
| Wheat, straw | 2.0 |

[1] The analytical enforcement methods for lambda-cyhalothrin are applicable for determination of gamma-cyhalothrin residues in plant and animal commodities.

(3) A tolerance of 0.01 part per million is established for residues of the insecticide lamba-cyhalothrin and an isomer gamma-cyhalothrin in or on all food commodities (other than those already covered by a higher tolerance as

a result of use on growing crops) in food-handling establishments where food products are held, processed, or prepared.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74817, Dec. 13, 2006, as amended at 72 FR 45663, Aug. 15, 2007; 73 FR 39264, July 9, 2008; 76 FR 34885, June 15, 2011]

### § 180.439 Thifensulfuron methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of thifensulfuron methyl, including its metabolites and degradates, in or on the commodities listed in the following table [below]. Compliance with the tolerance levels specified in the following table [below] is to be determined by measuring only thifensulfuron methyl (methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate).

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, hay | 0.8 |
| Barley, straw | 0.10 |
| Canola, seed | 0.02 |
| Corn, field, forage | 0.10 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.10 |
| Cotton, gin byproducts | 0.02 |
| Cotton, undelinted seed | 0.02 |
| Flax, seed | 0.02 |
| Oat, forage | 0.2 |
| Oat, grain | 0.05 |
| Oat, hay | 0.05 |
| Oat, straw | 0.10 |
| Rice, grain | 0.05 |
| Rice, straw | 0.05 |
| Sorghum, grain, forage. | 0.05 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.05 |
| Soybean | 0.10 |
| Wheat, forage | 2.5 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.7 |
| Wheat, straw | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances are established for residues of thifensulfuron methyl, including its metabolites and degradates, in or on the commodities listed in the following table [below]. Compliance with the tolerance levels specified in the following table [below] is to be determined by measuring only thifensulfuron methyl (methyl 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate).

| Commodity | Parts per million |
|---|---|
| Safflower, seed | 0.05 |

(d) *Indirect or inadvertent residues.* [Reserved]

[69 FR 55982, Sept. 17, 2004, as amended at 69 FR 63957, Nov. 3, 2004; 72 FR 13184, Mar. 21, 2007; 73 FR 47075, Aug. 13, 2008; 75 FR 19277, Apr. 14, 2010]

### § 180.440 Tefluthrin; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide tefluthrin (2,3,5,6 tetrafluroro-4-methylphenyl)methyl-(1 alpha, 3 alpha)-(*Z*)-(±)-3(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-diemthylcyclopropanecarboxylate) and its metabolite (*Z*)-3-(2-chloro-3,3,3-trifluroro-1-propenyl)-2,2-dimethylcyclopropanecarboxylic acid in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.06 |
| Corn, field, grain | 0.06 |
| Corn, field, stover | 0.06 |
| Corn, pop, grain | 0.06 |
| Corn, pop, stover | 0.06 |
| Corn, sweet, forage | 0.06 |
| Corn, sweet, kernel plus cob with husks removed | 0.06 |
| Corn, sweet, stover | 0.06 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 62961, Nov. 26, 1997, as amended at 74 FR 46375, Sept. 9, 2009]

### § 180.441 Quizalofop ethyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the herbicide quizalofop (2-[4-(6-chloroquinoxalin-2-yl oxy)phenoxy]propanoic acid) and quizalofop ethyl (ethyl-2-[4-(6-

chloroquinoxalin-2-yl oxy)phenoxy]propanoate), all expressed as quizalofop ethyl, in or on the following agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry | 0.4 |
| Bean, succulent | 0.25 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 0.5 |
| Cowpea, forage | 3.0 |
| Cowpea, hay | 3.0 |
| Pea, dry | 0.25 |
| Pea, field, hay | 3.0 |
| Pea, field, vines | 3.0≤ |
| Pea, succulent | 0.3 |
| Soybean, flour | 0.5 |
| Soybean, hulls | 0.02 |
| Soybean, meal | 0.5 |
| Soybean, soapstock | 1.0 |
| Soybean | 0.05 |

(2) Tolerances are established for the combined residues of the herbicide quizalofop (2-[4-(6-chloroquinoxalin-2-yl oxy)phenoxy]propanoic acid), quizalop-ethyl (ethyl-2-[4-(6-chloroquinoxalin-2-yl oxy)phenoxy]propanoate), and quizalofop-methyl (methyl 2-[4-(6-chloroquinoxalin-2-yl-oxy)phenoxy]propanoate, all expressed as quizalofop ethyl, as follows:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.05 |
| Egg | 0.02 |
| Goat, fat | 0.05 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.01 |
| Milk, fat | 0.25 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.05 |

(3) Tolerances are established for the combined residues of the herbicide quizalofop-p ethyl ester [ethyl (*R*)-(2-[4-((6-chloroquinoxalin-2-yl)oxy)phenoxy)propanoate], and its acid metabolite quizalofop-p [*R*-(2-(4-((6-quinoxalin-2-yl)oxy)phenoxy)propanoic acid], and the *S* enantiomers of both the ester and the acid, all expressed as quizalofop-p-ethyl ester, in or on the following raw agricultural commodities;

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, hay | 0.05 |
| Barley, straw | 0.05 |
| Beet, sugar, molasses | 0.2 |
| Canola, meal | 1.5 |
| Canola, seed | 1.0 |
| Cotton, undelinted seed | 0.1 |
| Flax, seed | 0.05 |
| Lentil, seed | 0.05 |
| Peppermint, tops | 2.0 |
| Spearmint, tops | 2.0 |
| Sunflower, seed | 1.9 |
| Wheat, forage | 0.05 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.05 |
| Wheat, straw | 0.05 |

(4) Time limited tolerances to expire on June 14, 1999 are established for the combined residues of the herbicide quizalofop-p ethyl ester (ethyl (*R*)-(2-(4-((6-chloroquinoxalin-2-yl)oxy)phenoxy)propanoate) and it acid metabolite quizalofop-p [*R*-(2-(4-((6-chloroquinoxalin-2-yl)oxy)phenoxy)propanoic acid), and the *S* enantiomers of both the ester and the acid, all expressed as quizalofop-p-ethyl ester in or on the following raw agricultural commodities:

| Commodities | Parts per million |
|---|---|
| Beet, sugar, molasses | 0.2 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 0.5 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 3.0 |
| Vegetable, legume, group 6 | 0.25 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in §180.1(m), are established for the combined residues of the herbicide quizalofop-*p* ethyl ester [ethyl (*R*)-2-[4-((6-chloroquinoxalin-2-yl)oxy)phenoxy] propionate], its acid metabolite quizalofop-*p* [*R*-(2-[4-((6-chloroquinoxalin-2-yl)oxy)phenoxy]) propanoic acid], and the *S* enantiomers of both the ester and the acid, all expressed as quizalofop-*p* ethyl ester, in or the raw agricultural commodities, as follows:

| Commodity | Parts per million |
|---|---|
| Pineapple | 0.1 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 32759, June 16, 1998, as amended at 70 FR 7870, Feb. 16, 2005; 71 FR 56378, Sept. 27, 2006; 76 FR 56015, Sept. 15, 2010]

## § 180.442 Bifenthrin; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide bifenthrin (2-methyl [1,1′-biphenyl]-3-yl) methyl-3-(2-chloro-3,3,3,-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.0 |
| Artichoke, globe | 1.0 |
| Banana [1] | 0.1 |
| Beet, garden, roots | 0.45 |
| Beet, garden, tops | 15 |
| Brassica, head and stem, subgroup 5A, except cabbage | 0.6 |
| Brassica, leafy greens, subgroup 5B | 3.5 |
| Bushberry subgroup 13-07B | 1.8 |
| Cabbage | 4.0 |
| Caneberry subgroup 13A | 1.0 |
| Cattle, fat | 1.0 |
| Cattle, meat byproducts | 0.10 |
| Cattle, meat | 0.5 |
| Coriander, dried leaves | 25 |
| Coriander, leaves | 6.0 |
| Coriander, seed | 5.0 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 5.0 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 5.0 |
| Corn, sweet, forage | 3.0 |
| Corn, sweet, kernel plus cob with husk removed | 0.05 |
| Corn, sweet, stover | 5.0 |
| Cotton, undelinted seed | 0.5 |
| Eggplant | 0.05 |
| Egg | 0.05 |
| Fruit, citrus, group 10 | 0.05 |
| Goat, fat | 1.0 |
| Goat, meat byproducts | 0.10 |
| Goat, meat | 0.5 |
| Grain, aspirated fractions | 70 |
| Grape | 0.2 |
| Groundcherry | 0.5 |
| Herb subgroup 19A | 0.05 |
| Hog, fat | 1.0 |
| Hog, meat byproducts | 0.10 |
| Hog, meat | 0.5 |
| Hop, dried cones | 10.0 |
| Horse, fat | 1.0 |
| Horse, meat byproducts | 0.10 |
| Horse, meat | 0.5 |
| Leafy petioles subgroup 4B | 3.0 |
| Lettuce, head | 3.0 |
| Mayhaw | 1.4 |
| Milk, fat (reflecting 0.1 ppm in whole milk) | 1.0 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.50 |
| Pea and bean, dried shelled, expect soybean, subgroup 6C | 0.15 |
| Pea and bean, succulent shelled, subgroup 6B | 0.05 |
| Peanut | 0.05 |
| Pear | 0.5 |
| Pepino | 0.5 |
| Pepper, bell | 0.5 |
| Pepper, nonbell | 0.5 |
| Pistachio | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Poultry, meat | 0.05 |
| Radish, tops | 4.5 |
| Rapeseed, seed | 0.05 |
| Sheep, fat | 1.0 |
| Sheep, meat byproducts | 0.1 |
| Sheep, meat | 0.5 |
| Soybean, hulls | 0.50 |
| Soybean, refined oil | 0.30 |
| Soybean, seed | 0.2 |
| Spinach | 0.2 |
| Strawberry | 3.0 |
| Tomato | 0.15 |
| Turnip, greens | 3.5 |
| Vegetable, cucurbit, group 9 | 0.4 |
| Vegetable, legume, edible podded, subgroup 6A | 0.6 |
| Vegetable, root, subgroup 1B except sugar beet and garden beet | 0.10 |
| Vegetable, tuberous and corm, subgroup 1C | 0.05 |

[1] There are no U.S. registrations as of April 30, 2003.

(2) A tolerance of 0.05 ppm is established for residues of the insecticide bifenthrin, (2-methyl[1,1′-biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate, as follows:

(i) In or on all food/feed items (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling establishments.

(ii) The insecticide may be present as a residue from application of bifenthrin in food handling establishments, including food service, manufacturing and processing establishments, such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries, feed handling establishments including feed manufacturing and processing establishments, in accordance with the following prescribed conditions:

(A) Application shall be limited to general surface and spot and/or crack and crevice treatment in food/feed handling establishments where food/feed and food/feed products are held, processed, prepared and served. General surface application may be used only when the facility is not in operation

provided exposed food/feed has been covered or removed from the area being treated. Spot and/or crack and crevice application may be used while the facility is in operation provided exposed food/feed is covered or removed from the area being treated prior to application. Spray concentration shall be limited to a maximum of 0.06 percent active ingredient. Contamination of food/feed or food/feed contact surfaces shall be avoided.

(B) To assure safe use of the insecticide, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency and shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* A time-limited tolerance is established for the residues of the insecticide bifenthrin ((2-methyl [1,1'-biphenyl]-3-yl)methyl-3-(2-chloro-3,3,3,-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate) in connection with use of the pesticide under a section 18 emergency exemption granted by EPA. This tolerance will expire and is revoked on the date specified in the following table.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Orchardgrass, forage | 2.5 | 12/31/12 |
| Orchardgrass, hay | 4.5 | 12/31/12 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 31002, June 6, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.442, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.443 Myclobutanil; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the fungicide myclobutanil alpha-butyl-alpha-(4-chlorophenyl)-1*H*-1,2,4-triazole-1-propanenitrile and its alcohol metabolite (alpha-(3-hydroxybutyl)-alpha-(4-chlorophenyl)-1*H*-1,2,4-triazole-1-propanenitrile (free and bound), in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Almond, hulls | 2.0 |
| Apple | 0.5 |
| Apple, dry pomace | 5.0 |
| Apple, wet pomace | 5.0 |
| Artichoke, globe | 0.90 |
| Asparagus | 0.02 |
| Banana, postharvest | 4.0 |
| Bean, snap, succulent | 1.0 |
| Caneberry subgroup 13A | 2.0 |
| Canistel | 3.0 |
| Cattle, fat | 0.05 |
| Cattle, liver | 1.0 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts, except liver | 0.2 |
| Cherry, sweet | 5.0 |
| Cherry, tart | 5.0 |
| Cilantro, leaves | 9.0 |
| Cotton, undelinted seed | 0.02 |
| Currant | 3.0 |
| Egg | 0.02 |
| Fruit, stone, except cherry | 2.0 |
| Goat, fat | 0.05 |
| Goat, liver | 1.0 |
| Goat, meat | 0.1 |
| Goat, meat byproducts, except liver | 0.2 |
| Gooseberry | 2.0 |
| Grain, aspirated fractions | 35 |
| Grape | 1.0 |
| Grape, dried pomace | 10.0 |
| Grape, raisin | 10.0 |
| Grape, raisin, waste | 25.0 |
| Grape, wet pomace | 10.0 |
| Hog, fat | 0.05 |
| Hog, liver | 1.0 |
| Hog, meat | 0.1 |
| Hog, meat byproducts, except liver | 0.2 |
| Hop, dried cones | 10 |
| Horse, fat | 0.05 |
| Horse, liver | 1.0 |
| Horse, meat | 0.1 |
| Horse, meat byproducts, except liver | 0.2 |
| Leafy greens, subgroup 4A, except spinach | 9.0 |
| Mango | 3.0 |
| Mayhaw | 0.70 |
| Milk | 0.2 |
| Okra | 4.0 |
| Papaya | 3.0 |
| Peppermint, tops | 3.0 |
| Plum, prune, dried | 8.0 |
| Poultry, fat | 0.02 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.02 |
| Sapodilla | 3.0 |
| Sapote, black | 3.0 |
| Sapote, mamey | 3.0 |
| Sheep, fat | 0.05 |
| Sheep, liver | 1.0 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts, except liver | 0.2 |
| Soybean, forage | 3.5 |
| Soybean, hay | 15 |
| Soybean, refined oil | 0.40 |
| Soybean, seed | 0.25 |
| Spearmint, tops | 3.0 |
| Star apple | 3.0 |
| Strawberry | 0.50 |
| Tomato | 0.30 |
| Tomato, puree | 0.50 |
| Tomato, paste | 1.0 |
| Vegetable, cucurbit, group 9 | 0.20 |
| Vegetable, fruiting, group 8, except tomato | 4.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for residues of the fungicide myclobutanil alpha-butyl-alpha-(4-chlorophenyl)-1*H*-1,2,4-triazole-1-propanenitrile in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.03 |
| Grain, cereal, forage, fodder and straw, group 16 | 0.03 |
| Grain, cereal, group 15 | 0.03 |
| Vegetable, brassica, leafy, group 5 | 0.03 |
| Vegetable, foliage of legume, group 7 | 0.03 |
| Vegetable, fruiting, group 8 | 0.03 |
| Vegetable, leafy, except brassica, group 4 | 0.03 |
| Vegetable, leaves of root and tuber, group 2 | 0.03 |
| Vegetable, legume, group 6 | 0.03 |
| Vegetable, root and tuber, group 1 | 0.03 |

[54 FR 6131, Feb. 8, 1989]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.443, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.444 Sulfur dioxide; tolerances for residues.

A tolerance is established as follows for sulfite residues of the fungicide sulfur dioxide (determined as ($SO_2$)) in or on the following raw agricultural commodity(ies):

| Commodity | Parts per million |
|---|---|
| Grape, postharvest | 10.0 |

[54 FR 20126, May 10, 1989]

## § 180.445 Bensulfuron methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide bensulfuron methyl (methyl-2[[[[[(4,6-dimethoxy-pyrimidin-2-yl) amino] carbonyl] amino] sulfonyl] methyl] benzoate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Crayfish | 0.05 |
| Rice, grain | 0.02 |
| Rice, straw | 0.3 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 9435, Feb. 25, 1998]

## § 180.446 Clofentezine; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide clofentezine, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only clofentezine, 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 5.0 |
| Almond | 0.5 |
| Apple | 0.5 |
| Apple, dry pomace | 3.0 |
| Apple, wet pomace | 3.0 |
| Apricot | 1.0 |
| Cherry | 1.0 |
| Grape | 1.0 |
| Nectarine | 1.0 |
| Peach | 1.0 |
| Pear | 0.5 |
| Persimmon | 0.05 |
| Walnut | 0.02 |

(2) Tolerances are established for residues of the insecticide clofentezine, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of clofentezine, 3,6-bis(2-chlorophenyl)-1,2,4,5-tetrazine, and its metabolite, 3-(2-chloro-4-hydroxyphenyl)-6-(2-chlorophenyl)-1,2,4,5-tetrazine, calculated as the stoichiometric equivalent of clofentezine, in or on commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, liver | 0.4 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except liver | 0.05 |
| Goat, fat | 0.05 |
| Goat, liver | 0.4 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except liver | 0.05 |

| Commodity | Parts per million |
|---|---|
| Hog, fat | 0.05 |
| Hog, liver | 0.4 |
| Hog, meat | 0.05 |
| Hog, meat byproducts, except liver | 0.05 |
| Horse, fat | 0.05 |
| Horse, liver | 0.4 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except liver | 0.05 |
| Milk | 0.01 |
| Sheep, fat | 0.05 |
| Sheep, liver | 0.4 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except liver | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[56 FR 15503, Apr. 17, 1991, as amended at 56 FR 22335, May 15, 1991; 59 FR 26947, May 25, 1994; 60 FR 12709, Mar. 8, 1995; 64 FR 19050, Apr. 19, 1999; 70 FR 11572, Mar. 9, 2005; 74 FR 46375, Sept. 9, 2009; 76 FR 23496, Apr. 27, 2011]

## § 180.447 Imazethapyr; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide imazethapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo- 1H-imidazol-2-yl]-5-ethyl-3-pyridine carboxylic acid, applied as its acid or ammonium salt, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Canola, seed [1] | 0.10 |
| Soybean | 0.1 |
| Vegetable, legume, group 6 | 0.1 |

1 There are no U.S. registrations for canola as of March 21, 2003.

(2) Tolerances are established for the sum of the residues of the herbicide imazethapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo- 1H-imidazol-2-yl]-5-ethyl-3-pyridine carboxylic acid; its metabolite CL 288511, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(1-hydroxyethyl)-3-pyridine carboxylic acid; and its metabolite CL 182704, 5-[1-(beta-D-glucopyranosyloxy)ethyl]-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid, applied as its acid or ammonium salt, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, seed | 0.15 |
| Alfalfa, seed screenings | 0.15 |
| Animal feed, nongrass, group 18, forage | 3.0 |
| Animal feed, nongrass, group 18, hay | 5.5 |
| Peanut | 0.1 |
| Rice, bran | 1.2 |
| Rice, grain | 0.3 |
| Rice, straw | 0.4 |

(3) A tolerance is established for the sum of residues of the herbicide imazethapyr, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo- 1H-imidazol-2-yl]-5-ethyl-3-pyridine carboxylic acid, and its metabolite CL 288511, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(1-hydroxyethyl)-3-pyridine carboxylic acid, applied as its acid or ammonium salt, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.10 |
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Crayfish | 0.15 |
| Goat, meat byproducts | 0.10 |
| Hog, meat byproducts | 0.10 |
| Horse, meat byproducts | 0.10 |
| Sheep, meat byproducts | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l) of this chapter, are established for the sum of residues of the herbicide imazethapyr, 2- [4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl- 3-pyridine carboxylic acid, as its ammonium salt, and its metabolite, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(1- hydroxyethyl)-3-pyridine carboxylic acid, both free and conjugated, applied as its acid or ammonium salt, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Endive | 0.1 |
| Lettuce, head | 0.1 |
| Lettuce, leaf | 0.1 |

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 55331, Aug. 29, 2002, as amended at 68 FR 13849, Mar. 21, 2003; 71 FR 6359, Feb. 8, 2006; 76 FR 34885, June 15, 2011]

### § 180.448 Hexythiazox; tolerance for residues.

(a) *General.* Tolerances are established for residues of hexythiazox, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only hexythiazox and its metabolites containing the (4-chlorophenyl)-4-methyl-2-oxo-3-thiazolidine moiety, calculated as the stoichiometric equivalent of hexythiazox.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 10 |
| Apple, wet pomace | 0.40 |
| Caneberry subgroup 13A | 1.0 |
| Cattle, fat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Citrus, dried pulp | 0.60 |
| Citrus, oil | 24 |
| Date, dried fruit | 1.0 |
| Fruit, pome, group 11 | 0.25 |
| Fruit, stone, group 12 | 1.0 |
| Goat, fat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Grape | 1.0 |
| Hog, fat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Hop, dried cones | 2.0 |
| Horse, fat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.02 |
| Nut, tree, group 14 | 0.30 |
| Peppermint, tops | 2.0 |
| Pistachio | 0.30 |
| Plum, prune, dried | 1.3 |
| Sheep, fat | 0.02 |
| Sheep, meat byproducts | 0.02 |
| Spearmint, tops | 2.0 |
| Strawberry | 3.0 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of hexythiazox, including its metabolites and degradates, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. Compliance with the tolerance levels specified below is to be determined by measuring only hexythiazox and its metabolites containing the (4-chlorophenyl)-4-methyl-2-oxo-3-thiazolidine moiety, calculated as the stoichiometric equivalent of hexythiazox. These tolerances will expire and are revoked on the dates specified in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Corn, field, forage | 2.0 | 12/31/10 |
| Corn, field, grain | 0.05 | 12/31/10 |
| Corn, field, stover | 2.0 | 12/31/10 |
| Corn, sweet, plus cobs with husks removed (K+CWHR) | 0.02 | 12/31/12 |
| Corn, sweet, forage | 6.0 | 12/31/12 |
| Corn, sweet, stover | 2.5 | 12/31/12 |

(c) *Tolerances with regional registrations.* Tolerances with regional registrations as defined by § 180.1(l), are established for residues of hexythiazox, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only hexythiazox and its metabolites containing the (4-chlorophenyl)-4-methyl-2-oxo-3-thiazolidine moiety, calculated as the stoichiometric equivalent of hexythiazox.

| Commodity | Parts per million |
|---|---|
| Bean, dried, seed (EPA Regions 7–12 only) | 0.4 |
| Bean, succulent (EPA Regions 7–12 only) | 0.3 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 2.5 |
| Corn, sweet, forage (EPA Regions 7–12 only) | 4.0 |
| Corn, sweet, kernel plus cob with husks removed (EPA Regions 7–12 only) | 0.1 |
| Cotton, gin byproducts, CA only | 3.0 |
| Cotton, undelinted seed, CA only | 0.20 |
| Fruit, citrus group 10 (CA, AZ, TX only) | 0.35 |
| Potato | 0.02 |

(d) *Indirect or inadvertent residues.* [Reserved]

[54 FR 17948, Apr. 26, 1989]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.448, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.449 Avermectin $B_1$ and its delta-8,9-isomer; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide avermectin $B_1$ (a mixture of avermectins containing greater than or equal to 80% avermectin $B_{1a}$ (5-*O*-demethyl avermectin $A_1$) and less than or equal to 20% avermectin $B_{1b}$ (5-*O*-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin $A_1$)) and its

delta-8,9-isomer in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.10 |
| Apple | 0.020 |
| Apple, wet pomace | 0.10 |
| Avocado | 0.020 |
| Cattle, fat | 0.03 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.06 |
| Celeriac, roots | 0.05 |
| Celeriac, tops | 0.05 |
| Citrus, dried pulp | 0.10 |
| Citrus, oil | 0.10 |
| Citrus | 0.02 |
| Cotton, gin byproducts | 0.15 |
| Cotton, undelinted seed | 0.005 |
| Food products in food handling establishments (other than those already covered by higher tolerances as a result of use on growing crops, and other than those already covered by tolerances on milk, meat, and meat by-products) | 0.01 |
| Fruit, stone, group 12 | 0.09 |
| Goat, fat | 0.01 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Grape | 0.02 |
| Herb subgroup 19A, except chive | 0.030 |
| Hog, fat | 0.01 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Hop, dried cones | 0.20 |
| Horse, fat | 0.01 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.005 |
| Nut, tree, group 14 | 0.01 |
| Pear | 0.02 |
| Peppermint, tops | 0.010 |
| Pistachio | 0.01 |
| Plum, prune, dried | 0.025 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.02 |
| Sheep, fat | 0.01 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.02 |
| Spearmint, tops | 0.010 |
| Strawberry | 0.02 |
| Vegetable, cucurbit, group 9 | 0.005 |
| Vegetable, fruiting, group 8 | 0.020 |
| Vegetable, leafy, except brassica, group 4 | 0.10 |
| Vegetable, tuberous and corm, subgroup 01C | 0.01 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the residues of avermectin $B_1$ and it delta-8,9-isomer, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances are specified in the following table. The tolerances will expire on the dates specified in the table.

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Bean, lima, seed | 0.005 | 12/31/13 |
| Onion, bulb | 0.005 | 12/31/12 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 44095, Aug. 19, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.449, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.450 Beta-(4-Chlorophenoxy)-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide β-(4-chlorophenoxy)-α-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol (triadimenol) and its butanediol metabolite, 4-(4-chlorophenoxy)-2,2-dimethyl-4-(1*H*-1,2,4-triazol-l-yl)-1,3-butanediol, calculated as triadimenol, in or on the following commodities:

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Banana [1] | 0.2 | None |
| Barley, grain | 0.05 | None |
| Barley, straw | 0.2 | None |
| Corn, field, forage | 0.05 | None |
| Corn, field, grain | 0.05 | None |
| Corn, field, stover | 0.05 | None |
| Corn, pop, grain | 0.05 | None |
| Corn, pop, stover | 0.05 | None |
| Corn, sweet, forage | 0.05 | None |
| Corn, sweet, kernel plus cob with husks removed | 0.05 | None |
| Corn, sweet, stover | 0.05 | None |
| Cotton, undelinted seed | 0.02 | None |
| Oat, forage | 2.5 | None |
| Oat, grain | 0.05 | None |
| Oat, straw | 0.2 | None |
| Rye, forage | 2.5 | None |
| Rye, grain | 0.05 | None |
| Rye, straw | 0.1 | None |
| Wheat, forage | 2.5 | None |
| Wheat, grain | 0.05 | None |
| Wheat, straw | 0.2 | None |

[1] There are no U.S. registrations for banana (whole) as of September 22, 1993.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 54962, Sept. 24, 2008, as amended at 74 FR 47457, Sept. 16, 2009; 76 FR 34885, June 15, 2011]

### § 180.451 Tribenuron methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide tribenuron methyl and its metabolites and degradates in or on the commodities in the following table. Compliance with the tolerance levels specified below is to be determined by measuring only tribenuron methyl, methyl-2-[[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl) methylamino] carbonyl] amino] sulfonyl] benzoate, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, hay | 0.4 |
| Barley, straw | 0.10 |
| Canola, seed | 0.02 |
| Corn, field, forage | 0.15 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 1.1 |
| Cotton, gin byproducts | 0.02 |
| Cotton, undelinted seed | 0.02 |
| Flax, seed | 0.02 |
| Grain, aspirated fractions | 1.5 |
| Oat, forage | 0.05 |
| Oat, grain | 0.05 |
| Oat, hay | 0.05 |
| Oat, straw | 0.10 |
| Rice, grain | 0.05 |
| Rice, straw | 0.05 |
| Sorghum, grain, forage | 0.05 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.05 |
| Soybean, forage | 0.07 |
| Soybean, hay | 0.35 |
| Soybean, hulls | 0.04 |
| Soybean, seed | 0.01 |
| Sunflower, seed | 0.05 |
| Wheat, forage | 0.3 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.5 |
| Wheat, straw | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(l) are established for residues of the herbicide tribenuron methyl (methyl-2-[[[[N-(4-methoxy-6-methyl-1,3,5-triazin-2-yl) methylamino] carbonyl]amino]sulfonyl] benzoate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grass, forage, fodder and hay, group 17, except bermudagrass; forage | 0.10 |
| Grass, forage, fodder and hay, group 17, except bermudagrass; hay | 0.10 |

(d) *Indirect or inadvertent residues.* [Reserved]

[69 FR 56718, Sept. 22, 2004, as amended at 72 FR 11789, Mar. 14, 2007; 73 FR 47065, Aug. 13, 2008; 74 FR 67128, Dec. 18, 2009; 75 FR 34885, June 15, 2011]

### § 180.452 Primisulfuron-methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of primisulfuron-methyl (3-[4,6-bis-(difluoromethoxy)-pyrimidin-2-yl]-1-(2-methoxycarbonylphenylsulfonyl) urea) in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Corn, field, forage | 0.10 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.10 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 0.10 |
| Corn, sweet, forage | 0.10 |
| Corn, sweet, stover | 0.10 |
| Egg | 0.10 |
| Goat, fat | 0.10 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.10 |
| Hog, fat | 0.10 |
| Hog, meat | 0.10 |
| Hog, meat byproducts | 0.10 |
| Horse, fat | 0.10 |
| Horse, meat | 0.10 |
| Horse, meat byproducts | 0.10 |
| Milk | 0.02 |
| Poultry, fat | 0.10 |
| Poultry, meat | 0.10 |
| Poultry, meat byproducts | 0.10 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[55 FR 21548, May 25, 1990, as amended at 62 FR 66020, Dec. 17, 1997; 63 FR 66458, Dec. 2, 1998; 67 FR 35049, May 17, 2002; 74 FR 46375, Sept. 9, 2009; 74 FR 46699, Sept. 11, 2009]

### § 180.454 Nicosulfuron; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide nicosulfuron, including its metabolites and degradates, in or on the commodities in the following table [below]. Compliance with the tolerance levels specified in the following table [below] is to be determined by measuring only nicosulfuron, 3-Pyridinecarboxamide, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl]amino]sulfonyl]-N,N-dimethyl-.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.05 |
| Corn, field, forage | 0.1 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 0.1 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 0.1 |
| Corn, sweet, forage | 0.1 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |
| Corn, sweet, stover | 0.1 |
| Goat, fat | 0.01 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.05 |
| Grass, forage | 9.0 |
| Grass, hay | 25.0 |
| Horse, fat | 0.01 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions*. Time-limited tolerances specified in the following table [below] are established for residues of the herbicide nicosulfuron, 3-Pyridinecarboxamide, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl]amino]sulfonyl]-N,N-dimethyl-, in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FFIFRA section 18 emergency exemptions. The tolerances expire and are revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/ Revokation Date |
|---|---|---|
| Bermuda grass, forage | 10 | 12/31/11 |
| Bermuda grass, hay | 25 | 12/31/11 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[75 FR 17578, Apr. 7, 2010]

### § 180.455 Procymidone; tolerances for residues.

A tolerance is established for the residues of the fungicide procymidone, *N*-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2 dicarboximide, in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Grape, wine | 5.0 |

[59 FR 42514, Aug. 18, 1994]

### § 180.457 Bitertanol; tolerances for residues.

(a) *General*. A tolerance is established for the residues of the fungicide bitertanol, β-([1,1′-biphenyl]-4-yloxy)-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol, in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Banana [1] | 0.5 |

[1] There are no U.S. registrations as of April 1, 1992.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 47457, Sept. 16, 2009]

### § 180.458 Clethodim; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide clethodim, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of clethodim, 2-[(1E)-1-[[[(2E)-3-chloro-2-propenyl]oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one, and its metabolites containing the 5-(2-ethylthiopropyl) cyclohexene-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexene -3-one moieties and their sulphoxides

and sulphones, calculated as the stoichiometric equivalent of clethodim, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 6.0 |
| Alfalfa, hay | 10 |
| Artichoke, globe | 1.2 |
| Asparagus | 1.7 |
| Bean, dry, seed | 2.5 |
| Beet, sugar, molasses | 1.0 |
| Beet, sugar, roots | 0.20 |
| Beet, sugar, tops | 1.0 |
| Brassica, head and stem, subgroup 5A | 3.0 |
| Brassica, leafy greens, subgroup 5B | 3.0 |
| Bushberry subgroup 13–07B | 0.20 |
| Caneberry subgroup 13–07A | 0.30 |
| Canola, meal | 1.0 |
| Canola, seed | 0.50 |
| Cattle, fat | 0.2 |
| Cattle, meat | 0.2 |
| Cattle, meat byproducts | 0.2 |
| Clover, forage | 10.0 |
| Clover, hay | 20.0 |
| Corn, field, forage | 0.2 |
| Corn, field, grain | 0.2 |
| Corn, field, stover | 0.2 |
| Cotton, meal | 2.0 |
| Cotton, undelinted seed | 1.0 |
| Cranberry | 0.50 |
| Egg | 0.2 |
| Flax, meal | 1.0 |
| Flax, seed | 0.6 |
| Goat, fat | 0.2 |
| Goat, meat | 0.2 |
| Goat, meat byproducts | 0.2 |
| Herb subgroup 19A | 12.0 |
| Hog, fat | 0.2 |
| Hog, meat | 0.2 |
| Hog, meat byproducts | 0.2 |
| Hop, dried cones | 0.5 |
| Horse, fat | 0.2 |
| Horse, meat | 0.2 |
| Horse, meat byproducts | 0.2 |
| Leaf petioles subgroup 4B | 0.60 |
| Leafy greens subgroup 4A | 2.0 |
| Melon subgroup 9A | 2.0 |
| Milk | 0.05 |
| Mustard, seed | 0.50 |
| Onion, bulb | 0.20 |
| Onion, green | 2.0 |
| Peach | 0.20 |
| Peanut | 3.0 |
| Peanut, hay | 3.0 |
| Peanut, meal | 5.0 |
| Peppermint, tops | 5.0 |
| Potato | 0.5 |
| Potato, granules/flakes | 2.0 |
| Poultry, fat | 0.2 |
| Poultry, meat | 0.2 |
| Poultry, meat byproducts | 0.2 |
| Radish, tops | 0.70 |
| Safflower, meal | 10.0 |
| Safflower, seed | 5.0 |
| Sesame, seed | 0.35 |
| Sheep, fat | 0.2 |
| Sheep, meat | 0.2 |
| Sheep, meat byproducts | 0.2 |
| Soybean | 10.0 |
| Soybean, soapstock | 15.0 |
| Spearmint, tops | 5.0 |
| Squash/cucumber subgroup 9B | 0.50 |
| Strawberry | 3.0 |
| Sunflower, meal | 10.0 |
| Sunflower, seed | 5.0 |
| Turnip, greens | 3.0 |
| Vegetable, fruiting group 8 | 1.0 |
| Vegetable, legume, group 6, except soybean | 3.5 |
| Vegetable, root, except sugar beet, subgroup 1B | 1.0 |
| Vegetable, tuberous and corm, subgroup 1C | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[76 FR 23496, Apr. 27, 2011]

## § 180.459 Triasulfuron; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide triasulfuron [3-(6-methoxy-4-methyl-1,3,5-triazin-2-yl)-1-(2-(2-chloroethoxy) phenylsulfonyl)urea] in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.02 |
| Barley, straw | 2.0 |
| Cattle, fat | 0.1 |
| Cattle, kidney | 0.5 |
| Cattle, meat byproducts, except kidney | 0.1 |
| Cattle, meat | 0.1 |
| Goat, fat | 0.1 |
| Goat, kidney | 0.5 |
| Goat, meat byproducts, except kidney | 0.1 |
| Goat, meat | 0.1 |
| Grass, forage | 7.0 |
| Grass, hay | 2.0 |
| Hog, fat | 0.1 |
| Hog, kidney | 0.5 |
| Hog, meat byproducts | 0.1 |
| Hog, meat | 0.1 |
| Horse, fat | 0.1 |
| Horse, kidney | 0.5 |
| Horse, meat byproducts, except kidney | 0.1 |
| Horse, meat | 0.1 |
| Milk | 0.02 |
| Sheep, fat | 0.1 |
| Sheep, kidney | 0.5 |
| Sheep, meat byproducts, except kidney | 0.1 |
| Sheep, meat | 0.1 |
| Wheat, forage | 5.0 |
| Wheat, grain | 0.02 |
| Wheat, straw | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[60 FR 36731, July 18, 1995, as amended at 63 FR 44152, Aug. 18, 1998; 63 FR 66449, Dec. 2, 1998]

### § 180.460 Benoxacor; tolerances for residues.

(a) *General*. Tolerances are established for residues of the inert ingredient (safener) benoxacor (4-(dichloroacetyl)-3,4-dihydro-3-methyl-2H-1, 4-benzoxazine) at 0.01 parts per million (ppm) when used in pesticide formulations containing metolachlor or S-metolachlor in or on raw agricultural commodities for which tolerances have been established for metolachlor or S-metolachlor.

(b) *Section 18 energency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[63 FR 7305, Feb. 13, 1998, as amended at 70 FR 21631, Apr. 27, 2005]

### § 180.461 Cadusafos; tolerances for residues.

A tolerance is established for the residues of the nematicide/insecticide cadusafos, *O*-ethyl *S*,*S*-di-*sec*-butyl phosphorodithioate, in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Banana | 0.01 |

There are no U.S. registrations as of May 10, 1994, for the nematicide/insecticid cadusafos.

[59 FR 39467, Aug. 3, 1994]

### § 180.462 Pyridate; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide pyridate, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of pyridate, *O*-(6-chloro-3-phenyl-4-pyridazinyl)-*S*-octyl-carbonothioate, and its metabolites, 6-chloro-3-phenyl-pyridazine-4-ol and conjugates of 6-chloro-3-phenyl-pyridazine-4-ol, calculated as the stoichiometric equivalent of pyridate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 0.03 |
| Cabbage | 0.03 |
| Chickpea, seed | 0.1 |
| Collards | 0.03 |
| Corn, field, forage | 0.03 |
| Corn, field, grain | 0.03 |
| Corn, field, stover | 0.03 |
| Corn, pop, grain | 0.03 |
| Corn, pop, stover | 0.03 |
| Peanut | 0.03 |
| Peppermint, tops | 0.20 |
| Spearmint, tops | 0.20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[57 FR 54303, Nov. 18, 1992, as amended at 62 FR 44558, Aug. 22, 1997; 63 FR 53844, Oct. 7, 1998; 64 FR 46298, Aug. 25, 1999; 65 FR 25652, May 3, 2000; 67 FR 35049, May 17, 2002; 72 FR 35665, June 29, 2007; 74 FR 46376, Sept. 9, 2009; 76 FR 23496, Apr. 27, 2011]

### § 180.463 Quinclorac; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide quinclorac, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only quinclorac, 3,7-dichloro-8-quinolinecarboxylic acid, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 2.0 |
| Cattle, fat | 0.7 |
| Cattle, meat byproducts | 1.5 |
| Cattle, meat | 0.05 |
| Egg | 0.05 |
| Goat, fat | 0.7 |
| Goat, meat byproducts | 1.5 |
| Goat, meat | 0.05 |
| Grain, aspirated fractions | 1200 |
| Grass, forage | 150 |
| Grass, hay | 130 |
| Hog, fat | 0.7 |
| Hog, meat byproducts | 1.5 |
| Hog, meat | 0.05 |
| Horse, fat | 0.7 |
| Horse, meat byproducts | 1.5 |
| Horse, meat | 0.05 |
| Milk | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.1 |
| Poultry, meat | 0.05 |
| Rice, bran | 15.0 |
| Rice, grain | 5.0 |

| Commodity | Parts per million |
|---|---|
| Rice, straw | 12.0 |
| Sheep, fat | 0.7 |
| Sheep, meat byproducts | 1.5 |
| Sheep, meat | 0.05 |
| Sorghum, grain, forage | 3.0 |
| Sorghum, grain, grain | 6.0 |
| Sorghum, grain, stover | 1.0 |
| Wheat, forage | 1.0 |
| Wheat, germ | 0.75 |
| Wheat, grain | 0.5 |
| Wheat, hay | 0.5 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the herbicide quinclorac, including its metabolites and degradates, in or on the commodity in the table in this paragraph. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only quinclorac, 3,7-dichloro-8-quinolinecarboxylic acid, in or on the commodity. The tolerance expires and is revoked on the date specified in the table in this paragraph.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Cranberry | 15.0 | 12/31/12 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[57 FR 47996, Oct. 21, 1992, as amended at 64 FR 6548, 6549, Feb. 10, 1999; 64 FR 14632, Mar. 26, 1999; 65 FR 33701, May 24, 2000; 67 FR 35049, May 17, 2002; 72 FR 55073, Sept. 28, 2007; 74 FR 51490, Oct. 7, 2009; 74 FR 67090, Dec. 18, 2009; 76 FR 23497, Apr. 27, 2011]

### § 180.464 Dimethenamid; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide dimethenamid, 1(R,S)-2-chloro-*N*-[(1-methyl-2-methoxy)ethyl]-*N*-(2,4-dimethylthien-3-yl)-acetamide, applied as either the 90:10 or 50:50 S:R isomers, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.01 |
| Beet, garden, roots | 0.01 |
| Beet, garden, tops | 0.01 |
| Beet, sugar, dried pulp | 0.01 |
| Beet, sugar, molasses | 0.01 |
| Beet, sugar, roots | 0.01 |
| Beet, sugar, tops | 0.01 |
| Corn, field, forage | 0.01 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.01 |
| Corn, pop, forage | 0.01 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.01 |
| Corn, sweet, forage | 0.01 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.01 |
| Garlic | 0.01 |
| Grass, forage | 0.15 |
| Grass, hay | 2.5 |
| Grass, seed screenings | 0.01 |
| Grass, straw | 0.01 |
| Hop, dried cones | 0.05 |
| Horseradish | 0.01 |
| Leek | 0.01 |
| Onion, bulb | 0.01 |
| Onion, green | 0.01 |
| Onion, Welsh | 0.01 |
| Peanut | 0.01 |
| Peanut, hay | 0.01 |
| Radish, roots | 0.01 |
| Radish, tops | 0.01 |
| Rutabaga, roots | 0.01 |
| Rutabaga, tops | 0.1 |
| Shallot, bulb | 0.01 |
| Shallot, fresh leaves | 0.01 |
| Sorghum, grain, forage | 0.01 |
| Sorghum, grain, grain | 0.01 |
| Sorghum, grain, stover | 0.01 |
| Soybean, seed | 0.01 |
| Turnip, greens | 0.1 |
| Turnip, roots | 0.01 |
| Turnip, tops | 0.1 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration are established for residues of dimethenamid, 1 (R,S)-2-chloro-N-[(1-methyl-2-methoxy) ethyl]-N-(2,4-dimethylthien-3-yl)-acetamide) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Pumpkin | 0.01 |
| Squash, winter | 0.01 |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 51551, Aug. 24, 2000, as amended at 67 FR 46884, July 17, 2002; 69 FR 29459, May 24, 2004; 69 FR 57207, Sept. 24, 2004; 70 FR 24712, May 11, 2005; 71 FR 25942, May 3, 2006; 71 FR 49354, Aug. 23, 2006; 72 FR 44388, Aug. 8, 2007; 72 FR 73630, Dec. 28, 2007]

### § 180.465 4-(Dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane.

(a) *General*. Tolerances are established for the residues of 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane, (CAS No. 71526–07–3) when used as an inert ingredient (safener) in or on the following raw agricultural commodities:

| Commodity [1] | Parts per million |
|---|---|
| Corn, field, forage | 0.005 |
| Corn, field, grain | 0.005 |
| Corn, field, stover | 0.005 |
| Corn, pop, grain | 0.005 |
| Corn, pop, stover | 0.005 |

[1]There are no U.S. registered products containing 4-(dichloroacetyl)-1-oxa-4-azaspiro[4.5]decane as of June 17, 2002.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 4392, Jan. 29, 2003]

### § 180.466 Fenpropathrin; tolerances for residues.

(a) *General*. Tolerances are established for residues of the pesticide chemical fenpropathrin (alpha-cyano-3-phenoxy-benzyl 2,2,3,3-tetramethylcyclopropanecarboxylate) in or on the following agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 4.5 |
| Avocado | 1.0 |
| Brassica, head and stem, subgroup 5A | 3.0 |
| Bushberry subgroup 13B | 3.0 |
| Caneberry subgroup 13-07A | 12 |
| Canistel | 1.0 |
| Cattle, fat | 1.0 |
| Cattle, meat byproducts | 0.1 |
| Cattle, meat | 0.1 |
| Cherry, sweet | 5.0 |
| Cherry, tart | 5.0 |
| Citrus, dried pulp | 4.0 |
| Citrus, oil | 75 |
| Cotton, refined oil | 3.0 |
| Cotton, undelinted seed | 1.0 |
| Egg | 0.05 |
| Fruit, citrus, group 10 | 2.0 |
| Fruit, pome, group 11 | 5.0 |
| Fruit, stone, crop group 12, except cherry | 1.4 |
| Goat, fat | 1.0 |
| Goat, meat byproducts | 0.1 |
| Goat, meat | 0.1 |
| Grape | 5.0 |
| Grape, raisin | 10.0 |
| Hog, fat | 1.0 |
| Hog, meat byproducts | 0.1 |
| Hog, meat | 0.1 |
| Horse, fat | 1.0 |
| Horse, meat byproducts | 0.1 |
| Horse, meat | 0.1 |
| Juneberry | 3.0 |
| Lingonberry | 3.0 |
| Mango | 1.0 |
| Melon subgroup 9A | 0.5 |
| Milk, fat (reflecting 0.08 ppm in whole milk) | 2.0 |
| Nut, tree, crop group 14 | 0.10 |
| Olive | 5.0 |
| Papaya | 1.0 |
| Pea, succulent | 0.02 |
| Peanut, hay | 20.0 |
| Peanut | 0.01 |
| Pistachio | 0.10 |
| Poultry, fat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Poultry, meat | 0.05 |
| Salal | 3.0 |
| Sapodilla | 1.0 |
| Sapote, black | 1.0 |
| Sapote, mamey | 1.0 |
| Sheep, fat | 1.0 |
| Sheep, meat byproducts | 0.1 |
| Sheep, meat | 0.1 |
| Squash/Cucumber subgroup 9B | 0.5 |
| Star apple | 1.0 |
| Strawberry | 2.0 |
| Vegetable, fruiting, group 8 | 1.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[62 FR 63034, Nov. 26, 1997, as amended at 63 FR 48116, Sept. 9, 1998; 64 FR 3009, Jan. 20, 1999; 65 FR 11242, Mar. 2, 2000; 65 FR 24397, Apr. 26, 2000; 65 FR 48620, Aug. 9, 2000; 66 FR 64774, Dec. 14, 2001; 67 FR 35049, May 17, 2002; 70 FR 38789, July 6, 2005; 70 FR 55747, Sept. 23, 2005; 74 FR 12606, Mar. 25, 2009]

### § 180.467 Carbon disulfide; tolerances for residues.

Tolerances are established for the nematicide, insecticide, and fungicide carbon disulfide, from the application of sodium tetrathiocarbonate, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.1 |
| Almond, hulls | 0.1 |
| Grape | 0.1 |
| Grapefruit | 0.1 |
| Lemon | 0.1 |
| Orange, sweet | 0.1 |
| Peach | 0.1 |
| Plum, prune, fresh | 0.1 |

[58 FR 33771, June 21, 1993, as amended at 62 FR 26949, May 16, 1997]

### § 180.468 Flumetsulam; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide flumetsulam, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only flumetsulam, *N*-(2,6-difluorophenyl)-5-methyl-(1,2,4)-triazolo-(1,5a)-pyrimidine-2-sulfonamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Bean, dry, seed | 0.05 |
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.05 |
| Soybean, seed | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[76 FR 23497, Apr. 27, 2011]

### § 180.469 Dichlormid; tolerances for residues.

(a) *General*. Tolerances are established for residues of dichlormid, including its metabolites and degradates, when used as an inert ingredient (herbicide safener) in pesticide formulations, in or on the commodities in the following table. Compliance with the tolerances is to be determined by measuring only dichlormid (2,2-dichloro-*N*,*N*-di-2-propenylacetamide).

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.05 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 0.05 |
| Corn, sweet, forage | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 16149, Mar. 27, 2000, as amended at 67 FR 51105, Aug. 7, 2002; 69 FR 58290, Sept. 30, 2004; 70 FR 76699, Dec. 28, 2005; 74 FR 37623, July 29, 2009; 76 FR 16310, Mar. 23, 2011]

### § 180.470 Acetochlor; tolerances for residues.

(a) *General*. Tolerances are established for residues of acetochlor, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only acetochlor, 2-chloro-2'-methyl-6-ethyl-*N*-ethoxymethylacetanilide, and its metabolites containing the ethyl methyl aniline (EMA) moiety and the hydroxyethyl methyl aniline (HEMA) moiety. Both parent and the named metabolites shall be determined as ethyl methyl aniline (EMA) and hydroxyethyl methyl aniline (HEMA), and calculated as the stoichiometric equivalents of acetochlor, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 4.5 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 2.5 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 2.5 |
| Corn, sweet, forage | 1.5 |
| Corn, sweet, kernels plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 1.0 |
| Cotton, gin byproducts | 4.0 |
| Cotton, undelinted seed | 0.6 |
| Sorghum, grain, forage | 1.6 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 1.7 |
| Soybean, meal | 1.2 |
| Soybean, seed | 1.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for indirect or inadvertent residues of acetochlor, including its metabolites and degradates, in or on the raw agricultural commodities in the table to this paragraph when present therein as a result of application of acetochlor to

the growing crops in the table to paragraph (a) of this section. Compliance with the tolerance levels specified below is to be determined by measuring only acetochlor, 2-chloro-2'-methyl-6-ethyl-*N*-ethoxymethylacetanilide, and its metabolites containing the ethyl methyl aniline (EMA) moiety and the hydroxyethyl methyl aniline (HEMA) moiety. Both parent and the named metabolites shall be determined as ethyl methyl aniline (EMA) and hydroxyethyl methyl aniline (HEMA), and calculated as the stoichiometric equivalents of acetochlor, in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18, forage | 1.3 |
| Animal feed, nongrass, group 18, hay | 3.5 |
| Beet, sugar, root | 0.05 |
| Beet, sugar, tops | 0.05 |
| Grain, cereal, forage, fodder and straw, group 16, except corn, grain sorghum, rice and wheat, forage | 0.5 |
| Grain, cereal, forage, fodder and straw, group 16, except corn, grain sorghum, rice and wheat, hay | 2.0 |
| Grain, cereal, forage, fodder and straw, group 16, except corn, grain sorghum, rice and wheat, stover | 0.1 |
| Grain, cereal, forage, fodder and straw, group 16, except corn, grain sorghum, rice and wheat, straw | 0.3 |
| Grain, cereal, group 15, except corn, grain sorghum, rice, and wheat, grain | 0.05 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.05 |
| Potato | 0.05 |
| Soybean, forage | 0.7 |
| Soybean, hay | 1.0 |
| Sunflower, seed | 0.05 |
| Wheat, forage | 0.5 |
| Wheat, grain | 0.02 |
| Wheat, hay | 2.0 |
| Wheat, straw | 0.1 |

[72 FR 27468, May 16, 2007, as amended at 74 FR 29969, June 24, 2009; 74 FR 47450, Sept. 16, 2009]

## § 180.471 Furilazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of furilazole; 3-dichloroacetyl-5-(2-furanyl)-2, 2-dimethyloxazolidine (CAS Reg. No. 121776–33–8) when used as an inert ingredient (safener) in pesticide formulations in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.01 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.01 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.01 |
| Sorghum, forage | 0.01 |
| Sorghum, grain | 0.01 |
| Sorghum, stover | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 8867, Feb. 23, 2000, as amended at 67 FR 15735, Apr. 3, 2002; 72 FR 57492, Oct. 10, 2007]

## § 180.472 Imidacloprid; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide imidacloprid, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of imidacloprid (1-[6-chloro-3-pyridinyl) methyl]-*N*-nitro-2-imidazolidinimine) and its metabolites containing the 6-chloropyridinyl moiety, calculated as the stoichiometric equivalent of imidacloprid, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 1.0 |
| Almond, hulls | 4.0 |
| Apple | 0.5 |
| Apple, wet pomace | 3.0 |
| Artichoke, globe | 2.5 |
| Aspirated grain fractions | 240 |
| Atemoya | 0.30 |
| Avocado | 1.0 |
| Banana | 0.50 |
| Beet, sugar, molasses | 0.30 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 0.50 |
| Biriba | 0.30 |
| Blueberry | 3.5 |
| Borage, seed | 0.05 |
| Caneberry, subgroup 13-A | 2.5 |
| Canistel | 1.0 |
| Canola, seed | 0.05 |
| Cattle, fat | 0.30 |
| Cattle, meat | 0.30 |
| Cattle, meat byproducts | 0.30 |
| Cherimoya | 0.30 |
| Citrus, dried pulp | 5.0 |
| Coffee, bean, green | 0.80 |
| Cotton, gin byproducts | 4.0 |
| Cotton, meal | 8.0 |
| Cotton, undelinted seed | 6.0 |
| Crambe, seed | 0.05 |

| Commodity | Parts per million |
|---|---|
| Cranberry | 0.05 |
| Currant | 3.5 |
| Custard apple | 0.30 |
| Egg | 0.02 |
| Elderberry | 3.5 |
| Feijoa | 1.0 |
| Flax, seed | 0.05 |
| Fruit, citrus, group 10 | 0.70 |
| Fruit, pome, group 11 | 0.6 |
| Fruit, stone, group 12 | 3.0 |
| Goat, fat | 0.30 |
| Goat, meat | 0.30 |
| Goat, meat byproducts | 0.30 |
| Gooseberry | 3.5 |
| Grain, cereal, forage, fodder and straw, group 16, forage, except rice | 7.0 |
| Grain, cereal, forage, fodder and straw, group 16, hay, except rice | 6.0 |
| Grain, cereal, forage, fodder and straw, group 16, stover, except rice | 0.30 |
| Grain, cereal, forage, fodder and straw, group 16, straw, except rice | 3.0 |
| Grain, cereal, group 15, except rice | 0.05 |
| Grape | 1.0 |
| Grape, juice | 1.5 |
| Grape, raisin | 1.5 |
| Guava | 1.0 |
| Herbs subgroup 19A, dried herbs | 48 |
| Herbs subgroup 19-A, fresh herbs | 8.0 |
| Hog, fat | 0.30 |
| Hog, meat | 0.30 |
| Hog, meat byproducts | 0.30 |
| Hop, dried cones | 6.0 |
| Horse, fat | 0.30 |
| Horse, meat | 0.30 |
| Horse, meat byproducts | 0.30 |
| Huckleberry | 3.5 |
| Ilama | 0.30 |
| Jaboticaba | 1.0 |
| Juneberry | 3.5 |
| Kava, leaves | 4.0 |
| Kava, roots | 0.40 |
| Leaf petioles subgroup 4B | 6.0 |
| Leafy greens subgroup 4A | 3.5 |
| Lettuce, head | 3.5 |
| Lettuce, leaf | 3.5 |
| Lingonberry | 3.5 |
| Longan | 3.0 |
| Lychee | 3.0 |
| Mango | 1.0 |
| Milk | 0.10 |
| Mustard, black, seed | 0.05 |
| Mustard, field, seed | 0.05 |
| Mustard, Indian, seed | 0.05 |
| Mustard, rapeseed, seed | 0.05 |
| Mustard, seed | 0.05 |
| Nut, tree, group 14 | 0.05 |
| Okra | 1.0 |
| Onion, dry bulbs, subgroup 3-07A | 0.15 |
| Onion, green, subgroup 3-07B | 2.5 |
| Papaya | 1.0 |
| Passionfruit | 1.0 |
| Peanut | 0.45 |
| Peanut, hay | 35 |
| Peanut, meal | 0.75 |
| Pecan | 0.05 |
| Persimmon | 3.0 |
| Pistachio | 0.05 |
| Pomegranate | 0.90 |
| Potato, chip | 0.40 |
| Potato, processed potato waste | 0.90 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Pulasan | 3.0 |
| Rambutan | 3.0 |
| Rapeseed, seed | 0.05 |
| Raspberry, wild | 2.5 |
| Safflower, seed | 0.05 |
| Salal | 3.5 |
| Sapodilla | 1.0 |
| Sapote, black | 1.0 |
| Sapote, mamey | 1.0 |
| Sheep, fat | 0.30 |
| Sheep, meat | 0.30 |
| Sheep, meat byproducts | 0.30 |
| Soursop | 0.30 |
| Soybean, forage | 8.0 |
| Soybean, hay | 35 |
| Soybean, meal | 4.0 |
| Soybean, seed | 3.5 |
| Spanish lime | 3.0 |
| Star apple | 1.0 |
| Starfruit | 1.0 |
| Strawberry | 0.50 |
| Sugar apple | 0.30 |
| Sunflower, seed | 0.05 |
| Tomato, paste | 6.0 |
| Tomato, puree | 3.0 |
| Vegetable, brassica leafy, group 5 | 3.5 |
| Vegetable, cucurbit, group 9 | 0.5 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, leaves of root and tuber, group 2 | 4.0 |
| Vegetable, legume, group 6, except soybean | 4.0 |
| Vegetable, root and tuber, group 1, except sugar beet | 0.40 |
| Watercress | 3.5 |
| Watercress, upland | 3.5 |
| Wax jambu | 1.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the insecticide imidacloprid, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of imidacloprid (1-[6-chloro-3-pyridinyl) methyl]-*N*-nitro-2-imidazolidinimine) and its metabolites containing the 6-chloropyridinyl moiety, calculated as the stoichiometric equivalent of imidacloprid, in or on the following commodities, when present therein as a result of the application of the pesticide to growing crops listed in this section and other nonfood crops as follows:

| Commodity | Parts per million |
|---|---|
| Rice, grain | 0.05 |
| Vegetable, foliage of legume, group 7 | 2.5 |
| Vegetable, legume, group 6 | 0.3 |

[75 FR 22251, Apr. 28, 2010]

### § 180.473 Glufosinate ammonium; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide glufosinate ammonium, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of glufosinate ammonium, 2-amino-4-(hydroxymethylphosphinyl)butanoic acid monoammonium salt, and its metabolites, 2-(acetylamino)-4-(hydroxymethylphosphinyl)butanoic acid and 3-(hydroxymethylphosphinyl)propionic acid, calculated as the stoichiometric equivalent of 2-amino-4-(hydroxymethylphosphinyl)butanoic acid, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.50 |
| Apple | 0.05 |
| Banana | 0.30 |
| Banana, pulp | 0.20 |
| Beet, sugar, molasses | 5.0 |
| Beet, sugar, roots | 0.9 |
| Beet, sugar, tops (leaves) | 1.5 |
| Bushberry subgroup 13B | 0.15 |
| Canola, meal | 1.1 |
| Canola, seed | 0.40 |
| Cattle, fat | 0.40 |
| Cattle, meat | 0.15 |
| Cattle, meat byproducts | 6.0 |
| Corn, field forage | 4.0 |
| Corn, field, grain | 0.20 |
| Corn, field, stover | 6.0 |
| Cotton, gin byproducts | 15 |
| Cotton, undelinted seed | 4.0 |
| Egg | 0.15 |
| Goat, fat | 0.40 |
| Goat, meat | 0.15 |
| Goat, meat byproducts | 6.0 |
| Grain aspirated fractions | 25 |
| Grape | 0.05 |
| Hog, fat | 0.40 |
| Hog, meat | 0.15 |
| Hog, meat byproducts | 6.0 |
| Horse, fat | 0.40 |
| Horse, meat | 0.15 |
| Horse, meat byproducts | 6.0 |
| Juneberry | 0.10 |
| Lingonberry | 0.10 |
| Milk | 0.15 |
| Nut, tree, group 14 | 0.10 |
| Pistachio | 0.10 |
| Potato | 0.80 |
| Potato, chips | 1.6 |
| Potato granules/flakes | 2.0 |
| Poultry, fat | 0.15 |
| Poultry, meat | 0.15 |
| Poultry, meat byproducts | 0.60 |
| Rice, grain | 1.0 |
| Rice, hull | 2.0 |
| Rice, straw | 2.0 |
| Salal | 0.10 |
| Sheep, fat | 0.40 |
| Sheep, meat | 0.15 |
| Sheep, meat byproducts | 6.0 |
| Soybean | 2.0 |
| Soybean, hulls | 5.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional restrictions*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for indirect or inadvertent residues of the herbicide glufosinate ammonium, including its metabolites and degradates, in or on the commodities in the table in this paragraph when present therein as a result of the application of glufosinate ammonium to crops listed in paragraph (a) of this section. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of glufosinate ammonium, 2-amino-4-(hydroxymethylphosphinyl)butanoic acid monoammonium salt, and its metabolite, 3-(hydroxymethylphosphinyl) propionic acid, calculated as the stoichiometric equivalent of 2-amino-4-(hydroxymethylphosphinyl)butanoic acid, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, hay | 0.40 |
| Barley, straw | 0.40 |
| Buckwheat, fodder | 0.40 |
| Buckwheat, forage | 0.40 |
| Oat, forage | 0.40 |
| Oat, hay | 0.40 |
| Oat, straw | 0.40 |
| Rye, forage | 0.40 |
| Rye, straw | 0.40 |
| Teosinte | 0.40 |
| Triticale | 0.40 |
| Wheat, forage | 0.40 |
| Wheat, hay | 0.40 |
| Wheat, straw | 0.40 |

[68 FR 55849, Sept. 29, 2003, as amended at 71 FR 25945, May 3, 2006; 72 FR 72625, Dec. 21, 2007; 76 FR 23497, Apr. 27, 2011]

### § 180.474 Tebuconazole; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the fungicide tebuconazole, including its metabolites

and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only tebuconazole (alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol), in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 6.0 |
| Apple, wet pomace | 0.1 |
| Asparagus | 0.05 |
| Banana | 0.05 |
| Barley, grain | 0.15 |
| Barley, hay | 7.0 |
| Barley, straw | 3.5 |
| Bean, dry seed | 0.1 |
| Bean, succulent | 0.1 |
| Beet, garden, roots | 0.70 |
| Beet, garden, tops | 7.0 |
| Brassica, leafy greens, subgroup 5B | 2.5 |
| Cherry, sweet, pre- and post-harvest | 5.0 |
| Cherry, tart, pre- and post-harvest | 5.0 |
| Coffee, green bean [1] | 0.15 |
| Coffee, roasted bean [1] | 0.3 |
| Corn, field, forage | 4.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 3.5 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 3.5 |
| Corn, sweet, forage | 7.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.5 |
| Corn, sweet, stover | 6.0 |
| Cotton, gin byproducts | 25.0 |
| Cotton, undelinted seed | 2.0 |
| Fruit, pome, group 11 | 0.05 |
| Fruit, stone, group 12, except cherry | 1.0 |
| Grain, aspirated fractions | 16.0 |
| Grape | 5.0 |
| Grass, forage | 8.0 |
| Grass, hay | 25.0 |
| Grass, seed screenings | 55.0 |
| Grass, straw | 30.0 |
| Hop, dried cones | 35.0 |
| Lychee | 1.6 |
| Mango, postharvest | 0.15 |
| Nut, tree, group 14 | 0.05 |
| Oat, forage | 0.10 |
| Oat, grain | 0.05 |
| Oat, hay | 0.10 |
| Oat, straw | 0.10 |
| Okra | 1.2 |
| Onion, bulb, subgroup 3-07A | 0.2 |
| Onion, green, subgroup 3-07B | 1.3 |
| Peach | 1.0 |
| Peanut | 0.1 |
| Pistachio | 0.05 |
| Plum, pre- and post-harvest | 1.0 |
| Soybean, forage | 25 |
| Soybean, hay | 50 |
| Soybean, seed | 0.08 |
| Sunflower, seed | 0.05 |
| Sunflower, meal | 0.2 |
| Sunflower, refined oil | 0.2 |
| Vegetable, cucurbit, group 9 | 0.09 |
| Vegetable, fruiting, group 8 | 1.3 |
| Wheat, forage | 3.0 |
| Wheat, grain | 0.05 |
| Wheat, hay | 7.0 |
| Wheat, straw | 1.5 |

[1]There are no U.S. registrations as of 7/31/2008.

(2) Tolerances are established for residues of the fungicide tebuconazole, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of tebuconazole (alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol) and its diol metabolite (1-(4-chlorophenyl)-4,4-dimethyl-3-(1*H* -1,2,4-triazole-1-yl-methyl)-pentane-3,5-diol), calculated as the stoichiometric equivalent of tebuconzole, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.2 |
| Goat, meat byproducts | 0.2 |
| Horse, meat byproducts | 0.2 |
| Milk | 0.1 |
| Sheep, meat byproducts | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances are established for residues of the fungicide tebuconazole, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified below is to be determined by measuring only tebuconazole, alpha-[2-(4-chlorophenyl) ethyl]-alpha-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Turnip, roots | 0.5 |
| Turnip, tops | 7.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[59 FR 39464, Aug. 3, 1994]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.474, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.475 Difenoconazole; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of difenoconazole, including its metabolites and degradates, in or on the commodities in the following table. Compliance with

the tolerance levels specified below is to be determined by measuring only difenoconazole, 1-[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-ylmethyl]-1H-1,2,4-triazole, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 7.0 |
| Apple, wet pomace | 4.5 |
| Aspirated grain fractions | 95 |
| Banana[1] | 0.2 |
| Barley, grain | 0.1 |
| Barley, hay | 0.05 |
| Barley, straw | 0.05 |
| Beet, sugar | 0.3 |
| Beet, sugar, dried pulp | 1.9 |
| Brassica, head and stem, subgroup 5A | 1.9 |
| Brassica, leafy green, subgroup 5B | 35 |
| Canola, seed | 0.01 |
| Carrot | 0.50 |
| Chickpea | 0.08 |
| Citrus, dried pulp | 2.0 |
| Citrus, oil | 25 |
| Corn, sweet, forage | 0.01 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.01 |
| Cotton, gin byproducts | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Fruit, citrus, group 10 | 0.60 |
| Fruit, pome group 11 | 1.0 |
| Fruits, stone, group 12 | 2.5 |
| Grape | 4.0 |
| Grape, raisin | 6.0 |
| Mango[1] | 0.07 |
| Nut, tree, group 14 | 0.03 |
| Onion, bulb, subgroup 3-07A | 0.20 |
| Onion, green, subgroup 3-07B | 6.0 |
| Papaya[1] | 0.30 |
| Pistachio | 0.03 |
| Potato, processed waste | 0.04 |
| Rye, grain[1] | 0.1 |
| Soybean, hulls | 0.20 |
| Soybean, seed | 0.15 |
| Strawberry | 2.5 |
| Turnip, greens | 35 |
| Vegetable, cucurbit, group 9 | 0.70 |
| Vegetable, fruiting, group 8 | 0.60 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |
| Wax jambu[1] | 1.5 |
| Wheat, forage | 0.1 |
| Wheat, grain | 0.1 |
| Wheat, straw | 0.1 |

[1]There are no U.S. registrations.

(2) Tolerances are established for residues of difenoconazole, including its metabolites and degradates, in the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring the sum of difenoconazole, 1-[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-ylmethyl]-1*H*-1,2,4-triazole, and its metabolite, CGA–205375, 1-[2-chloro-4-(4-chloro-phenoxy) phenyl]-2-[1,2,4]triazol-1-yl-ethanol, calculated as the stoichiometric equivalent of difenoconazole, in the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, liver | 0.40 |
| Cattle, meat | 0.05 |
| Cattle, meat byproduct (except liver) | 0.10 |
| Egg | 0.02 |
| Goat, fat | 0.10 |
| Goat, liver | 0.40 |
| Goat, meat | 0.05 |
| Goat, meat byproduct (except liver) | 0.10 |
| Hog, fat | 0.10 |
| Hog, liver | 0.40 |
| Hog, meat | 0.05 |
| Hog, meat byproduct (except liver) | 0.10 |
| Horse, fat | 0.10 |
| Horse, liver | 0.40 |
| Horse, meat | 0.05 |
| Horse, meat byproduct (except liver) | 0.10 |
| Milk | 0.01 |
| Sheep, fat | 0.10 |
| Sheep, liver | 0.40 |
| Sheep, meat | 0.05 |
| Sheep, meat byproduct (except liver) | 0.10 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 36254, July 6, 1999, as amended at 64 FR 47687, Sept. 1, 1999; 65 FR 55921, Sept. 15, 2000; 65 FR 82940, Dec. 29, 2000; 66 FR 64774, Dec. 14, 2001; 68 FR 37765, June 25, 2003; 70 FR 75739, Dec. 21, 2005; 71 FR 53984, Sept. 13, 2006; 73 FR 1508, Jan. 9, 2008; 73 FR 45629, Aug. 6, 2008; 75 FR 22262, Apr. 28, 2010; 76 FR 11349, Mar. 2, 2011; 76 FR 34883, June 15, 2011]

## § 180.476 Triflumizole; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the fungicide triflumizole, including its metabolites and degradates, in or on the commodities listed in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the parent compound triflumizole, 1-(1-((4-chloro-2-(trifluoromethyl) phenyl)imino)-2-propoxyethyl)-1 *H* -imidazole, and its metabolites containing the 4-chloro-2-trifluoromethylaniline moiety, calculated as stoichiometric equivalent of the parent compound.

| Commodity | Parts per million |
|---|---|
| Apple | 0.5 |
| Apple, dry pomace | 2.0 |

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 2.0 |
| Brassica, head and stem, subgroup 5A | 8.0 |
| Brassica, leafy greens, subgroup 5B | 40 |
| Canistel | 2.5 |
| Cherry, sweet | 1.5 |
| Cherry, tart | 1.5 |
| Cilantro, leaves | 35 |
| Grape | 2.5 |
| Grape, dried pomace | 15.0 |
| Grape, raisin, waste | 10.0 |
| Grape, wet pomace | 15.0 |
| Hazelnut | 0.05 |
| Hop, dried cones | 50 |
| Leafy greens subgroup 4A, except spinach | 35 |
| Mango | 2.5 |
| Papaya | 2.5 |
| Pear | 0.5 |
| Pineapple | 4.0 |
| Sapodilla | 2.5 |
| Sapote, black | 2.5 |
| Sapote, mamey | 2.5 |
| Star apple | 2.5 |
| Strawberry | 2.0 |
| Swiss chard | 18 |
| Turnip, greens | 40 |
| Vegetable, cucurbit, Group 9 | 0.5 |

(2) Tolerances are established for residues of the fungicide triflumizole, including its metabolites and degradates, in or on the commodities of animal origin listed in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the parent compound triflumizole, 1-(1-((4-chloro-2-(trifluoromethyl) phenyl)imino)-2-propoxyethyl)-1 *H* -imidazole, the metabolite 4-chloro-2-hydroxy-6-trifluoromethylaniline sulfate, and other metabolites containing the 4-chloro-2-trifluoromethylaniline moiety, calculated as the parent compound.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.5 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.5 |
| Egg | 0.05 |
| Goat, fat | 0.5 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.5 |
| Hog, fat | 0.5 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.5 |
| Horse, fat | 0.5 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.5 |
| Milk | 0.05 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.1 |
| Sheep, fat | 0.5 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33702, May 24, 2000, as amended at 67 FR 40228, June 12, 2002; 67 FR 54587, Aug. 23, 2002; 70 FR 7047, Feb. 10, 2005; 70 FR 17915, Apr. 8, 2005; 71 FR 13279, Mar. 15, 2006; 71 FR 49358, Aug. 23, 2006; 74 FR 26543, June 3, 2009; 74 FR 46376, Sept. 9, 2009; 76 FR 34885, June 15, 2011]

## § 180.477 Flumiclorac pentyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide flumiclorac pentyl, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only flumiclorac pentyl, pentyl(2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2*H*-isoindol-2-yl)phenoxy)acetate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.01 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.01 |
| Cotton, gin byproducts | 3.0 |
| Cotton, undelinted seed | 0.2 |
| Soybean, hulls | 0.02 |
| Soybean, seed | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33702, May 24, 2000, as amended at 71 FR 11533, Mar. 8, 2006; 76 FR 23497, Apr. 27, 2011]

## § 180.478 Rimsulfuron; tolerances for residues

(a) *General.* Tolerances are established for residues of the herbicide rimsulfuron, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only rimsulfuron, N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-

pyridinesulfonamide), in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.09 |
| Corn, field, forage | 0.4 |
| Corn, field, grain | 0.1 |
| Corn, field, stover | 2.5 |
| Fruit, citrus, group 10 | 0.01 |
| Fruit, pome, group 11 | 0.01 |
| Fruit, stone, group 12 | 0.01 |
| Grain, aspirated fractions | 4.5 |
| Grape | 0.01 |
| Nut, tree, group 14 | 0.01 |
| Pistachio | 0.01 |
| Potato | 0.1 |
| Soybean, forage | 0.25 |
| Soybean, hay | 1.2 |
| Soybean, hulls | 0.04 |
| Soybean, seed | 0.01 |
| Tomato | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 16696, Apr. 6, 1998, as amended at 72 FR 41913, Aug. 1, 2007; 74 FR 67137, Dec. 18, 2009]

### § 180.479 Halosulfuron-methyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide halosulfuron-methyl, methyl 5-[(4,6-dimethoxy-2-pyrimidiny)amino] carbonylaminosulfonyl]-3-chloro-1-methyl-1H-pyrazole-4-carboxylate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only those halosulfuron-methyl residues containing the 3-chlorosulfonamide (3-CSA) moiety, expressed as the stoichiometric equivalent of halosulfuron-methyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.1 |
| Goat, meat byproducts | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, meat byproducts | 0.1 |
| Sheep, meat byproducts | 0.1 |

(2) Tolerances are established for residues of the herbicide halosulfuron-methyl, methyl 5-[(4,6-dimethoxy-2-pyrimidiny)amino] carbonylaminosulfonyl]-3-chloro-1-methyl-1H-pyrazole-4-carboxylate, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only halosulfuron-methyl.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 1.0 |
| Alfalfa, hay | 2.0 |
| Almond, hulls | 0.2 |
| Apple | 0.05 |
| Asparagus | 0.8 |
| Bean, dry, seed | 0.05 |
| Bushberry, subgroup 13-07B | 0.05 |
| Corn, field, forage | 0.2 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.8 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 0.8 |
| Corn, sweet, forage | 0.2 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.8 |
| Cotton, gin byproducts | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Melon subgroup 9A | 0.1 |
| Nut, tree, group 14 | 0.05 |
| Okra | 0.05 |
| Pea and bean, succulent shelled, subgroup 6 | 0.05 |
| Pea and bean, succulent shelled, subgroup 6B | 0.05 |
| Pistachio | 0.05 |
| Rhubarb | 0.05 |
| Rice, grain | 0.05 |
| Rice, straw | 0.2 |
| Sorghum, grain, forage | 0.05 |
| Sorghum, grain, grain | 0.05 |
| Sorghum, grain, stover | 0.1 |
| Soybean, seed | 0.05 |
| Squash/Cucumber subgroup 9B | 0.5 |
| Sugarcane, cane | 0.05 |
| Vegetable, fruiting, group 8 | 0.05 |
| Vegetable, tuberous and corm, subgroup 1C | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 25448, May 12, 1999, as amended at 65 FR 58433, Sept. 29, 2000; 66 FR 66340, Dec. 26, 2001; 66 FR 66786, Dec. 27, 2001; 67 FR 45649, July 10, 2002; 67 FR 59192, Sept. 20, 2002; 70 FR 51622, Aug. 31, 2005; 72 FR 8927, Feb. 28, 2007; 74 FR 48401, Sept. 23, 2009; 75 FR 46853, Aug. 4, 2010; 76 FR 34886, June 15, 2011]

### § 180.480 Fenbuconazole; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of the fungicide fenbuconazole, alpha–[2–(4–chlorophenyl)– ethyl]–alpha–phenyl–3–

(1H–1,2,4–triazole)– 1–propanenitrile, and its metabolites RH–9129, cis–5–(4–chlorophenyl)– dihydro–3–phenyl–3–(1H–1,2,4– triazole–1–ylmethyl)–2–3 H–furanone, and RH–9130, trans–5–(4–chlorophenyl)dihydro–3–phenyl–3– (1H–1,2,4–triazole–1–ylmethyl)–2–3 H–furanone, expressed as fenbuconazole in or on the following agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Almond | 0.05 |
| Almond, hulls | 1.0 |
| Apple | 0.4 |
| Apple, wet pomace | 1.0 |
| Banana | 0.3 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, molasses | 0.4 |
| Beet, sugar, roots | 0.3 |
| Beet, sugar, tops | 9.0 |
| Bushberry subgroup 13B | 0.3 |
| Cattle, meat byproducts | 0.05 |
| Citrus, dried pulp | 5.0 |
| Citrus, oil | 40.0 |
| Cranberry | 0.5 |
| Fruit, citrus, group 10 | 1.0 |
| Fruit, stone, group 12 | 1.0 |
| Goat, meat byproducts | 0.05 |
| Grain, aspirated fractions | 6.0 |
| Grape [1] | 1.0 |
| Horse, meat byproducts | 0.05 |
| Peanut | 0.1 |
| Pecan | 0.05 |
| Pepper | 0.40 |
| Sheep, meat byproducts | 0.05 |
| Wheat, forage | 4.0 |
| Wheat, grain | 0.1 |
| Wheat, hay | 8.0 |
| Wheat, straw | 8.0 |

[1]There are no United States registrations for grape as of August 2006.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[60 FR 11032, Mar. 1, 1995]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.480, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.481 Prosulfuron; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide prosulfuron and its metabolites and degradates in or on the commodities in the table below. Compliance with the tolerance levels specified in the table below is to be determined by measuring only prosulfuron, 1-(4-methoxy-6-methyl-triazin-2-yl)-3-[2-(3,3,3-trifluoropropyl)-phenylsulfonyl]-urea, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Grain, cereal, forage, fodder, and straw, group 16, except rice, fodder | 0.01 |
| Grain, cereal, forage, fodder, and straw, group 16, except rice, forage | 0.10 |
| Grain, cereal, forage, fodder, and straw, group 16, except rice, hay | 0.20 |
| Grain, cereal, forage, fodder, and straw, group 16, except rice, straw | 0.02 |
| Grain, cereal, group 15, except rice | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[74 FR 67118, Dec. 18, 2009]

## § 180.482 Tebufenozide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide tebufenozide, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only tebufenozide, 3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 25 |
| Apple | 1.0 |
| Apple, dry pomace | 3.0 |
| Apple, wet pomace | 3.0 |
| Berry group 13 | 3.0 |
| Brassica, head and stem, subgroup 5A | 5.0 |
| Brassica, leafy greens, subgroup 5B | 10.0 |
| Canola, refined oil | 4.0 |
| Canola, seed | 2.0 |
| Citrus, oil | 15.0 |
| Cotton | 1.5 |
| Cotton, gin byproducts | 30 |
| Cranberry | 1.0 |
| Fruit, citrus, group 10 | 0.80 |
| Fruit, pome | 1.5 |
| Grape | 3.0 |
| Kiwifruit [1] | 0.5 |
| Leaf petioles subgroup 4B | 2.0 |
| Leafy greens subgroup 4A | 10.0 |
| Nut, tree, group 14 | 0.1 |
| Peppermint, tops | 10.0 |
| Pistachio | 0.1 |
| Spearmint, tops | 10.0 |
| Turnip, greens | 9.0 |
| Turnip, roots | 0.3 |

| Commodity | Parts per million |
|---|---|
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, tuberous and corm, except potato, subgroup 1D | 0.015 |
| Walnut | 0.1 |

[1]There are no U.S. registrations on kiwifruit as of June 15, 1999.

(2) Tolerances are established for residues of the insecticide tebufenozide, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of tebufenozide, 3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, and its metabolites, 3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-((4-carboxymethyl)benzoyl)hydrazide, 3-hydroxymethyl-5-methylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, stearic acid conjugate of 3-hydroxymethyl-5-methylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, and 3-hydroxymethyl-5-methylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-(1-hydroxyethyl)benzoyl)hydrazide, calculated as the stoichiometric equivalent of tebufenozide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.08 |
| Cattle, meat byproducts | 0.08 |
| Goat, fat | 0.1 |
| Goat, meat | 0.08 |
| Goat, meat byproducts | 0.08 |
| Hog, fat | 0.1 |
| Hog, meat | 0.08 |
| Hog, meat byproducts | 0.08 |
| Horse, fat | 0.1 |
| Horse, meat | 0.08 |
| Horse, meat byproducts | 0.08 |
| Milk | 0.04 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.08 |
| Sheep, meat byproducts | 0.08 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the insecticide tebufenozide, including its metabolites and degradates, in or on the commodities in the table in this paragraph when present therein as a result of the application of tebufenozide to growing crops listed in the table to paragraph (a)(1) of this section. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of tebufenozide, 3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, and its metabolite, 3,5-dimethylbenzoic acid 1-(1,1-dimethylethyl)-2-(4-(1-hydroxyethyl)benzoyl)hydrazide, calculated as the stoichiometric equivalent of tebufenozide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16 | 1.0 |
| Grass, forage, fodder and hay, group 17 | 1.0 |
| Vegetable, foliage of legume, group 7 | 0.20 |

[60 FR 29347, May 31, 1995]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.482, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.484 Flutolanil; tolerances for residues.

(a) *General.* Tolerances are established for residues of flutolanil, *N*-(3-(1-methylethoxy) phenyl)-2-(trifluoromethyl)benzamide, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only flutolanil and its metabolites converted to 2-(trifluoromethyl) benzoic acid and calculated as flutolanil, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, kidney | 1.00 |
| Cattle, liver | 2.00 |
| Cattle, meat byproducts | 0.05 |
| Cattle, meat | 0.05 |
| Cotton, gin byproducts | 0.20 |
| Cotton, undelinted seed | 0.20 |
| Egg | 0.05 |
| Goat, fat | 0.10 |
| Goat, kidney | 1.00 |
| Goat, liver | 2.00 |
| Goat, meat byproducts | 0.05 |
| Goat, meat | 0.05 |

| Commodity | Parts per million |
|---|---|
| Hog, fat | 0.10 |
| Hog, kidney | 1.00 |
| Hog, liver | 2.00 |
| Hog, meat byproducts | 0.05 |
| Hog, meat | 0.05 |
| Horse, fat | 0.10 |
| Horse, kidney | 1.00 |
| Horse, liver | 2.00 |
| Horse, meat byproducts | 0.05 |
| Horse, meat | 0.05 |
| Milk | 0.05 |
| Peanut | 0.5 |
| Peanut, hay | 15.0 |
| Peanut, meal | 1.0 |
| Potato | 0.20 |
| Potato, wet peel | 0.30 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.05 |
| Rice, bran | 10.0 |
| Rice, grain | 7.0 |
| Rice, hulls | 25.0 |
| Rice, straw | 10.0 |
| Sheep, fat | 0.10 |
| Sheep, kidney | 1.00 |
| Sheep, liver | 2.00 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Soybean, forage | 8.0 |
| Soybean, hay | 2.5 |
| Soybean, seed | 0.20 |
| Turnip, greens | 0.1 |
| Vegetable, brassica, leafy, group 5 | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent residues of flutolanil, *N*-(3-(1-methylethoxy)phenyl)-2-(trifluoromethyl)benzamide, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only flutolanil and its metabolites converted to 2-(trifluoromethyl) benzoic acid and calculated as flutolanil, in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Wheat, bran | 0.20 |
| Wheat, forage | 2.5 |
| Wheat, grain | 0.05 |
| Wheat, hay | 1.2 |
| Wheat, straw | 0.20 |

[60 FR 42458, Aug. 16, 1995, as amended at 61 FR 33044, June 26, 1996; 63 FR 42256, 42257, Aug. 7, 1998; 66 FR 10825, Feb. 20, 2001; 71 FR 74818, Dec. 13, 2006; 72 FR 35665, June 29, 2007; 73 FR 33017, June 11, 2008; 75 FR 17570, Apr. 7, 2010; 75 FR 80350, Dec. 22, 2010]

## § 180.485 Cyproconazole; tolerances for residues.

(a) *General.* (1) Tolerances are established for the free and conjugated residues of the fungicide cyproconazole, α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1*H*-1,2,4-triazole-1-ethanol, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Aspirated grain fractions | 2.5 |
| Cattle, fat | 0.01 |
| Cattle, meat byproducts (except liver) | 0.01 |
| Coffee bean, green (Imported) [1] | 0.1 |
| Corn, field, forage | 0.60 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 1.2 |
| Goat, fat | 0.01 |
| Goat, meat byproducts (except liver) | 0.01 |
| Horse, fat | 0.01 |
| Horse, meat byproducts (except liver) | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, meat byproducts (except liver) | 0.01 |
| Soybean, forage | 1.0 |
| Soybean, hay | 3.0 |
| Soybean, oil | 0.10 |
| Soybean, seed | 0.05 |
| Wheat, forage | 0.80 |
| Wheat, grain | 0.05 |
| Wheat, grain, milled byproducts | 0.10 |
| Wheat, hay | 1.3 |
| Wheat, straw | 0.90 |

[1]There are no U.S. registrations as of February 15, 2008 for use on coffee bean.

(2) A tolerance is established for the combined free and conjugated residues of cyproconazole α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1*H*-1,2,4-triazole-1-ethanol] and its metabolite [δ-(4-chlorophenyl)-β,δ-dihydroxy-γ-methyl-1*H*-1,2,4-triazole-1-hexenoic acid in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Milk | 0.02 |

(3) Tolerances are established for the combined free and conjugated residues of cyproconazole α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1*H*-1,2,4-triazole-1-ethanol and its metabolite 2-(4-chlorophenyl)-3-cyclopropyl-1-[1,2,4]triazol-1-yl-butane-2,3-diol in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, liver | 0.50 |
| Goat, liver | 0.50 |
| Hog, liver | 0.01 |
| Horse, liver | 0.50 |
| Sheep, liver | 0.50 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[63 FR 53835, Oct. 7, 1998, as amended at 71 FR 71058, Dec. 8, 2006; 73 FR 27760, May 14, 2008]

### § 180.486 Chlorethoxyfos; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide chlorethoxyfos, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only chlorethoxyfos, *O*,*O*-diethyl *O*-(1,2,2,2-tetrachloroethyl) phosphorothioate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.01 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.01 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.01 |
| Corn, sweet, forage | 0.01 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[76 FR 23498, Apr. 27, 2011]

### § 180.487 Pyrithiobac sodium; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide, pyrithiobac sodium, (sodium 2-chloro-6-[(4,6-dimethoxypyrimidin-2-yl)thio]benzoate), resulting from the application of the pesticide chemical in or on the following foods/feeds:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 0.15 |
| Cotton, undelinted seed | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[62 FR 54783, Oct. 22, 1997, as amended at 64 FR 56469, Oct. 20, 1999; 67 FR 72110, Dec. 4, 2002]

### § 180.490 Imazapic-ammonium; tolerances for residues.

(a) *General*. (1) Tolerances are established for combined residues of the herbicide imazapic, (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-methyl-3-pyridinecarboxylic acid and its metabolite (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-hydroxymethyl-3-pyridinecarboxylic acid, both free and conjugated, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Grass, forage | 15 |
| Grass, hay | 30 |
| Peanut | 0.1 |

(2) Tolerances are also established for the combined residues of the herbicide imazapic, (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-methyl-3-pyridinecarboxylic acid and its free metabolite (±)-2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1*H*-imidazol-2-yl]-5-hydroxymethyl-3-pyridinecarboxylic acid, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, kidney | 1.0 |
| Cattle, meat byproducts, except kidney | 0.1 |
| Cattle, meat | 0.1 |
| Goat, fat | 0.1 |
| Goat, kidney | 1.0 |
| Goat, meat byproducts, except kidney | 0.1 |
| Goat, meat | 0.1 |
| Horse, fat | 0.1 |
| Horse, kidney | 1.0 |
| Horse, meat byproducts, except kidney | 0.1 |
| Horse, meat | 0.1 |
| Milk | 0.1 |

| Commodity | Parts per million |
|---|---|
| Sheep, fat | 0.1 |
| Sheep, kidney | 1.0 |
| Sheep, meat byproducts, except kidney | 0.1 |
| Sheep, meat | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with reginal registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 54224, Oct. 6, 1999, as amended at 66 FR 64774, Dec. 14, 2001; 66 FR 66332, Dec. 26, 2001]

### § 180.491 Propylene oxide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of propylene oxide when used as a postharvest fumigant in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cacao bean, dried bean | 200 |
| Cacao bean, cocoa powder | 200 |
| Fig | 3.0 |
| Garlic, dried | 300 |
| Grape, raisin | 1.0 |
| Herbs and spices, group 19, dried | 300 |
| Nutmeat, processed, except peanuts | 300 |
| Onion, dried | 300 |
| Plum, prune, dried | 2.0 |

(2) Tolerances are established for the reaction product, propylene chlorohydrin, from use of propylene oxide as a postharverst fumigant, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Basil, dried leaves | 6000 |
| Cacao bean, dried bean | 20.0 |
| Cacao bean, cocoa powder | 20.0 |
| Fig | 3.0 |
| Garlic, dried | 6000 |
| Grape, raisin | 4.0 |
| Herbs and spices, group 19, dried, except basil | 1500 |
| Nutmeat, processed, except peanuts | 10.0 |
| Onion, dried | 6000 |
| Plum, prune, dried | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33702, May 24, 2000, as amended at 68 FR 39430, July 1, 2003; 72 FR 49651, Aug. 29, 2007; 73 FR 54963, Sept. 24, 2008; 76 FR 38037, June 29, 2011]

### § 180.492 Triflusulfuron-methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of triflusulfuron-methyl, including its metabolites and degradates, in or on the commodities listed in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only triflusulfuron-methyl (methyl 2-[[[[[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]-3-methylbenzoate) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Beet, garden, roots | 0.01 |
| Beet, garden, tops | 0.02 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 0.05 |
| Chicory, roots | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 40196, June 12, 2002, as amended at 76 FR 22625, Apr. 22, 2011]

### § 180.493 Dimethomorph; tolerances for residues.

(a) *General.* Tolerances are established for the residues of the fungicide dimethomorph, (*E*,*Z*) 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 20.0 |
| Ginseng | 0.90 |
| Grape, raisin [1] | 6.0 |
| Hop, dried cones | 60 |
| Lettuce, head | 10 |
| Lettuce, leaf | 10 |
| Potato | 0.05 |
| Potato, wet peel | 0.20 |
| Taro, corm | 0.5 |
| Taro, leaves | 6.0 |
| Turnip, greens | 20.0 |
| Vegetable, bulb, group 3 | 2.0 |
| Vegetable, cucurbit, group 9 | 0.5 |
| Vegetable, fruiting, group 8 | 1.5 |

[1] There are no U.S. registrations as of March 4, 2009, for the use of dimethomorph on grapes grown for raisin production.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations are established for residues of the fungicide dimethomorph, (*E,Z*) 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Bean, lima, succulent | 0.60 |
| Grape | 3.5 |

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 26416, May 14, 1997, as amended at 62 FR 39961, July 25, 1997; 63 FR 8139, Feb. 18, 1998; 63 FR 32140, June 12, 1998; 64 FR 18369, Apr. 14, 1999; 64 FR 25455, May 12, 1999; 65 FR 58390, Sept. 29, 2000; 66 FR 37598, July 19, 2001; 67 FR 35049, May 17, 2002; 67 FR 60923, Sept. 27, 2002; 68 FR 55833, Sept. 29, 2003; 70 FR 7047, Feb. 10, 2005; 71 FR 76177, Dec. 20, 2006; 74 FR 9356, Mar. 4, 2009; 76 FR 34886, June 15, 2011]

## § 180.494 Pyridaben; tolerance for residues.

(a) *General.* Tolerances are established for residues of the insecticide pyridaben [2-tert-butyl-5-(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one] on the following plants, and of the insecticide pyridaben and its metabolites (2-tert-butyl-5-(4-(1-carboxy-1-methylethyl)benzylthio)-4-chloropyridazin-3(2H)-one] and (2-tert-butyl-5-[4(-1,1-dimethyl-2-hypdroxyethyl)benzylthio-4-chloropyridazinn-3(2H)-one) on animals, as indicated in the following table.

| Commodity | Parts per million | Revocation/expiration date |
|---|---|---|
| Almond, hulls | 4.0 | None |
| Apple | 0.5 | None |
| Apple, wet pomace | 0.75 | None |
| Canistel | 0.10 | None |
| Cattle, fat | 0.05 | None |
| Cattle, meat | 0.05 | None |
| Cattle, meat byproducts | 0.05 | None |
| Citrus | 0.5 | None |
| Citrus, dried pulp | 1.5 | None |
| Citrus, oil | 10.0 | None |
| Fruit, stone, group 12 | 2.5 | None |
| Goat, fat | 0.0 | None |
| Goat, meat | 0.05 | None |
| Goat, meat byproducts | 0.05 | None |
| Grape | 1.5 | None |
| Hog, fat | 0.05 | None |
| Hog, meat | 0.05 | None |
| Hog, meat byproducts | 0.05 | None |
| Hop, dried cones | 10.0 | None |
| Horse, fat | 0.05 | None |
| Horse, meat | 0.05 | None |
| Horse, meat byproducts | 0.05 | None |
| Mango | 0.10 | None |
| Milk | 0.01 | None |
| Nut, tree, group 14 | 0.05 | None |
| Papaya | 0.10 | None |
| Pear | 0.75 | None |
| Pistachio | 0.05 | None |
| Sapodilla | 0.10 | None |
| Sapote, black | 0.10 | None |
| Sapote, mamey | 0.10 | None |
| Sheep, fat | 0.05 | None |
| Sheep, meat | 0.05 | None |
| Sheep, meat byproduct | 0.05 | None |
| Star apple | 0.10 | None |
| Strawberry | 2.5 | None |
| Tomato | 0.15 | None |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(m) are established for residues of the insecticide pyridaben [2-tert-butyl-5(4-tert-butylbenzylthio)-4-chloropyridazin-3(2H)-one] in or on the following raw agricultural commodity:

| Commodity | Parts per million | Expiration Date |
|---|---|---|
| Cranberry | 0.5 | None |

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 43712, July 14, 2000, as amended at 66 FR 33199, June 21, 2001; 70 FR 55769, Sept. 23, 2005; 75 FR 56015, Sept. 15, 2010]

## § 180.495 Spinosad; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide spinosad in or on the food commodities in the table to this paragraph. Spinosad is a fermentation product of *Saccharopolyspora spinosa*. The product consists of two related active ingredients: Spinosyn A (Factor A: CAS # 131929–60–7) or 2-[(6-deoxy-2,3,4-tri-*O*-methyl-α-*L*-manno-pyranosyl)oxy]-13-[[5-(dimethylamino)-tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-14-methyl-1H-as-Indaceno[3,2-d]oxacyclododecin-7,15-dione; and Spinosyn D (Factor D; CAS

# 131929–63–0) or 2-[(6-deoxy-2,3,4-tri-*O*-methyl-α-*L*-manno-pyranosyl)oxy]-13-[[5-(dimethyl-amino)-tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-4,14-methyl-1H-as-Indaceno[3,2-d]oxacyclododecin-7,15-dione.

| Commodity | Parts per million |
|---|---|
| Acerola | 1.5 |
| Alfalfa, seed | 0.15 |
| Alfalfa, seed screenings | 2.0 |
| Almond, hulls | 19 |
| Amaranth, grain, grain | 1.0 |
| Amaranth, grain, stover | 10 |
| Animal feed, nongrass, group, 18 | 0.02 |
| Animal feed, nongrass, group, 18, forage | 35.0 |
| Animal feed, nongrass, group, 18, hay | 30.0 |
| Apple, dry pomace | 0.5 |
| Apple, wet pomace | 0.5 |
| Artichoke, globe | 0.3 |
| Asparagus | 0.2 |
| Atemoya | 0.3 |
| Avocado | 0.3 |
| Banana | 0.25 |
| Beet, sugar, molasses | 0.75 |
| Biriba | 0.3 |
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 10.0 |
| Bushberry subgroup 13B | 0.250 |
| Caneberry subgroup 13A | 0.7 |
| Canistel | 0.3 |
| Cattle, fat | 50 |
| Cattle, liver | 10 |
| Cattle, meat | 2.0 |
| Cattle, meat byproducts, except liver | 5.0 |
| Cherimoya | 0.3 |
| Citrus, oil | 3.0 |
| Citrus, dried pulp | 0.5 |
| Coriander, leaves | 8.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Cotton, gin byproducts | 1.5 |
| Cotton, undelinted seed | 0.02 |
| Cranberry | 0.01 |
| Custard apple | 0.3 |
| Date | 0.10 |
| Egg | 0.30 |
| Feijoa | .05 |
| Fig | 0.10 |
| Fish | 4.0 |
| Fish-shellfish, crustacean | 4.0 |
| Fish-shellfish, mollusc | 4.0 |
| Food commodities | 0.02 |
| Fruit, citrus, group 10 | 0.3 |
| Fruit, pome, group 11 | 0.20 |
| Fruit, stone, group 12 | 0.20 |
| Goat, fat | 50 |
| Goat, liver | 10 |
| Goat, meat | 2.0 |
| Goat, meat byproducts, except liver | 5.0 |
| Grain, aspirated fractions | 200 |
| Grain, cereal, group 15 | 1.5 |
| Grain, cereal, group 16, forage, except rice | 2.5 |
| Grain, cereal, group 16, hay, except rice | 10.0 |
| Grain, cereal, group, 16, stover, except rice | 10.0 |
| Grain, cereal, group, 16, straw, except rice | 1.0 |
| Grape | 0.50 |
| Grape, raisin | 0.70 |
| Grass, forage, fodder and hay, group 17, forage | 10.0 |
| Grass, forage, fodder and hay, group 17, hay | 5.0 |
| Guava | 0.3 |
| Herb subgroup 19A, dried | 22 |
| Herb subgroup 19A, fresh | 3.0 |
| Hog, fat | 5.0 |
| Hog, meat | 0.50 |
| Hog, meat byproducts | 2.0 |
| Hop, dried cones | 22 |
| Horse, fat | 50 |
| Horse, liver | 10 |
| Horse, meat | 2.0 |
| Horse, meat byproducts, except liver | 5.0 |
| Ilama | 0.3 |
| Jaboticaba | 0.3 |
| Juneberry | 0.25 |
| Lingonberry | 0.250 |
| Longan | 0.3 |
| Lychee | 0.3 |
| Mango | 0.3 |
| Milk | 7.0 |
| Milk, fat | 85 |
| Nut, tree, group 14 | 0.10 |
| Okra | 0.40 |
| Onion, green | 2.0 |
| Papaya | 0.3 |
| Passionfruit | 0.3 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.02 |
| Pea and bean, succulent shelled, subgroup 6B | 0.02 |
| Peanut | 0.02 |
| Peanut, hay | 11.0 |
| Peppermint, tops | 3.5 |
| Pineapple | 0.02 |
| Pineapple, process residue | 0.08 |
| Pistachio | 0.10 |
| Pomegranate | 0.30 |
| Poultry, fat | 1.3 |
| Poultry, meat | 0.10 |
| Poultry, meat byproducts | 0.20 |
| Pulasan | 0.3 |
| Rambutan | 0.3 |
| Rice, hulls | 4.0 |
| Salal | 0.250 |
| Sapodilla | 0.3 |
| Sapote, black | 0.3 |
| Sapote, mamey | 0.3 |
| Sapote, white | 0.3 |
| Sheep, fat | 50 |
| Sheep, liver | 10 |
| Sheep, meat | 2.0 |
| Sheep, meat byproducts, except liver | 5.0 |
| Soursop | 0.3 |
| Soybean | 0.02 |
| Spanish lime | 0.3 |
| Spearmint, tops | 3.5 |
| Spice, subgroup 19B, except black pepper | 1.7 |
| Star apple | 0.3 |
| Starfruit | 0.3 |
| Strawberry | 1.0 |
| Sugar apple | 0.3 |
| Ti, leaves | 10.0 |
| Vegetable, bulb, group 3, except green onion | 0.10 |
| Vegetable, cucurbit, group 9 | 0.3 |
| Vegetable, foliage of legume, group 7 | 8.0 |
| Vegetable, fruiting, group 8 | 0.4 |
| Vegetable, leafy, except brassica, group 4 | 8.0 |
| Vegetable, leaves of root and tuber, group 2 | 10.0 |
| Vegetable, legume, edible podded, subgroup 6A | 0.30 |
| Vegetable, root and tuber, group 1 | 0.10 |
| Watercress | 8.0 |
| Wax jambu | 0.3 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertant residues.* [Reserved]

[72 FR 68540, Dec. 5, 2007, as amended at 74 FR 46376, Sept. 9, 2009; 74 FR 48408, Sept. 23, 2009; 75 FR 60327, Sept. 30, 2010]

### § 180.496 Thiazopyr; tolerances for residues.

Tolerances are established for combined residues of the herbicide thiazopyr (3-pyridinecaroxylic acid, 2-(difluoromethyl)-5-(4,5-dihydro-2-thiazolyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-, methyl ester) and its metabolites determined as 2-(difluoromethyl)-6-(trifluoromethyl)-3,4,5-pyridinetricarboxylic acid, all expressed as the parent equivalents in or on the following raw agricultural commodities:

| Commodities | Parts per million |
|---|---|
| Grapefruit | 0.05 |
| Orange, sweet | 0.05 |

[62 FR 9978, Mar. 5, 1997]

### § 180.497 Clofencet; tolerances for residues.

(a) *Tolerances—general.* Tolerances are established for the plant growth regulator (hybridizing agent) clofencet, [2-(4-chlorophenyl)-3-ethyl-2,5 dihydro-5-oxo-4-pyridazinecarboxylic acid, potassium salt] expressed as the free acid in or on the following raw agricultural commodities:

| Commodities | Parts per million |
|---|---|
| Cattle, fat | 0.04 |
| Cattle, kidney | 10.0 |
| Cattle, meat byproducts, except kidney | 0.5 |
| Cattle, meat | 0.15 |
| Egg | 1.0 |
| Goat, fat | 0.04 |
| Goat, kidney | 10.0 |
| Goat, meat byproducts, except kidney | 0.5 |
| Goat, meat | 0.15 |
| Hog, fat | 0.04 |
| Hog, kidney | 10.0 |
| Hog, meat byproducts, except kidney | 0.5 |
| Hog, meat | 0.15 |
| Horse, fat | 0.04 |
| Horse, kidney | 10.0 |
| Horse, meat byproducts, except kidney | 0.5 |
| Horse, meat | 0.15 |
| Milk | 0.02 |
| Poultry, fat | 0.04 |
| Poultry, meat byproducts | 0.20 |
| Poultry, meat | 0.15 |
| Sheep, fat | 0.04 |
| Sheep, kidney | 10.0 |
| Sheep, meat byproducts, except kidney | 0.5 |
| Sheep, meat | 0.15 |
| Wheat, forage | 10.0 |
| Wheat, grain | 250.0 |
| Wheat, hay | 40.0 |
| Wheat, straw | 50.0 |

(b) *Tolerances for indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the plant growth regulator (hybridizing agent) clofencet, [2-(4-chlorophenyl)-3-ethyl-2,5-dihydro-5-oxo-4-pyridazinecarboxylic acid, potassium salt] expressed as the free acid in or on the following raw agricultural commodities when present therein as a result of the application of clofencet to the growing crops in paragraph (a) of this section:

| Commodities | Parts per million |
|---|---|
| Grain, cereal, forage, fodder and straw, group 16, except rice, sweet corn, wheat, and wild rice; forage | 4.0 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, sweet corn, wheat, and wild rice; hay | 15.0 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, sweet corn, wheat, and wild rice; stover | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, sweet corn, wheat, and wild rice; straw | 4.0 |
| Grain, cereal group 15, except rice, sweet corn, wheat, and wild rice | 20.0 |
| Soybean | 30.0 |
| Soybean, forage | 10.0 |
| Soybean, hay | 10.0 |

[62 FR 9983, Mar. 5, 1997]

### § 180.498 Sulfentrazone; tolerances for residues.

(a)(1) *General.* Tolerances are established for the combined residues of the free and conjugated forms of sulfentrazone, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of sulfentrazone (*N*-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]phenyl]methanesulfonamide) and its metabolite HMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-

hydroxymethyl-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide, calculated as the stoichiometric equivalent of sulfentrazone in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Soybean, seed | 0.05 |

(2) Tolerances are established for the combined residues of the free and conjugated forms of sulfentrazone, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of sulfentrazone (*N*-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]phenyl]methanesulfonamide) and its metabolites HMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-hydroxymethyl-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide) and DMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide, calculated as the stoichiometric equivalent of sulfentrazone in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.15 |
| Bean, lima, succulent | 0.15 |
| Brassica, head and stem, subgroup 5A | 0.20 |
| Brassica, leafy greens, subgroup 5B | 0.40 |
| Corn, field, forage | 0.20 |
| Corn, field, grain | 0.15 |
| Corn, field, stover | 0.30 |
| Flax | 0.15 |
| Horseradish | 0.20 |
| Melon, subgroup 9A | 0.15 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.15 |
| Pea, succulent | 0.15 |
| Peanut | 0.20 |
| Peanut, meal | 0.40 |
| Peppermint, tops | 0.30 |
| Spearmint, tops | 0.30 |
| Strawberry | 0.15 |
| Sugarcane, cane | 0.15 |
| Sugarcane, molasses | 0.20 |
| Sunflower, seed | 0.20 |
| Vegetable, fruiting, group 8–10 | 0.15 |
| Vegetable, tuberous and corm, subgroup 1C | 0.15 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the combined residues of the free and conjugated forms of sulfentrazone, including its metabolites and degradates, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of sulfentrazone (*N*-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]phenyl]methanesulfonamide) and its metabolites HMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-hydroxymethyl-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide) and DMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide, calculated as the stoichiometric equivalent of sulfentrazone in or on the following commodities. These tolerances expire and are revoked on the dates specified in the following table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Flax, seed | 0.20 | 12/31/13 |
| Strawberry | 0.60 | 12/31/13 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for inadvertent and indirect combined residues of the free and conjugated forms of sulfentrazone, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of sulfentrazone (*N*-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]phenyl]methanesulfonamide) and its metabolites HMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-3-hydroxymethyl-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide) and DMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-5-oxo-1*H*-1,2,4-triazol-1-yl)phenyl)methanesulfonamide, calculated as the stoichiometric equivalent of sulfentrazone in or on the following commodities when present therein as a result of the application of sulfentrazone to growing crops.

| Commodity | Parts per million |
|---|---|
| Grain, cereal (excluding sweet corn), Hulls | 0.30 |
| Grain, cereal, forage, fodder and straw, group 16, except sweet corn; forage | 0.2 |
| Grain, cereal, forage, fodder and straw, group 16, except sweet corn; hay | 0.2 |
| Grain, cereal, forage, fodder and straw, group 16, except sweet corn; stover | 0.1 |
| Grain, cereal, forage, fodder and straw, group 16, except sweet corn; straw | 0.6 |
| Grain, cereal, group 15, except sweet corn | 0.1 |
| Grain, cereal, group 15, except sweet corn; bran | 0.15 |

[62 FR 10708, Mar. 10, 1997, as amended at 64 FR 51067, Sept. 21, 1999; 65 FR 67279, Nov. 9, 2000; 65 FR 82940, Dec. 29, 2000; 66 FR 39658, Aug. 1, 2001; 67 FR 46884, July 17, 2002; 67 FR 54118, Aug. 21, 2002; 68 FR 2247, Jan. 16, 2003; 68 FR 55280, Sept. 24, 2003; 69 FR 29459, May 24, 2004; 69 FR 71717, Dec. 10, 2004; 70 FR 7047, Feb. 10, 2005; 72 FR 71802, Dec. 19, 2007; 75 FR 80346, Dec. 22, 2010; 76 FR 5710, Feb. 2, 2011]

### § 180.499 Propamocarb hydrochloride, tolerances for residues.

(a) *General.* Tolerances are established for the residues of propyl[3-(dimethylamino)propyl]carbamate monohydrochloride also known as propamocarb hydrochloride in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Lettuce, head | 50 |
| Lettuce, leaf | 90 |
| Potato | 0.06 |
| Tomato, paste | 5.0 |
| Vegetable, cucurbit, group 9 | 1.5 |
| Vegetable, fruiting, group 8 | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerance with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 15620, Apr. 2, 1997, as amended at 62 FR 26966, May 16, 1997; 63 FR 32136, June 12, 1998; 64 FR 16843, Apr. 7, 1999; 65 FR 58399, Sept. 29, 2000; 66 FR 37598, July 19, 2001; 66 FR 48585, Sept. 21, 2001; 67 FR 35049, May 17, 2002; 69 FR 47022, Aug. 4, 2004; 70 FR 7047, Feb. 10, 2005]

### § 180.500 Imazapyr; tolerances for residues.

(a) *General.* Tolerances are being established for residues of the herbicide imazapyr, [2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-3-pyridinecarboxylic acid], applied as the acid or ammonium salt, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.20 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.05 |
| Fish | 1.0 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.20 |
| Goat, meat | 0.05 |
| Goats, meat byproducts, except kidney | 0.05 |
| Grass, forage | 100 |
| Grass, hay | 30 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.20 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except kidney | 0.05 |
| Milk | 0.01 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.20 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except kidney | 0.05 |
| Shellfish | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 55484, Sept. 26, 2003]

### § 180.501 Hydroprene; tolerances for residues.

(a) *General.* A tolerance of 0.2 part per million is established for residues of hydroprene [(S)-(Ethyl (2E,4E,7S)-3,7,11-trimrthyl-2,4-dodecadienoate)], (CAS Reg. No. 65733–18–8) on food commodities in food-handling establishments in accordance with the following prescribed conditions:

(1) Application shall be limited to spot, crack and crevice, perimeter and ultra low volume (ULV) fogging treatment in food storage or food-handling establishments, including warehouses, food service, manufacturing, and processing establishments such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries where food and food products are held, processed, and served: Provided that the food is removed or covered prior to such use, and food-processing surfaces are covered during

treatment or thoroughly cleaned before using, or in the case of point-source device treatments, devices must not come into direct contact with food preparation surfaces and must be in a minimum distance of 3 feet from exposed foods.

(2) To assure safe use of the insect growth regulator, the label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 61647, Nov. 19, 1997, as amended at 71 FR 74818, Dec. 13, 2006]

### § 180.502 Aminoethoxyvinylglycine hydrochloride (aviglycine HCl); tolerances for residues.

(a) *General.* Tolerances are established for residues of aminoethoxyvinylglycine hydrochloride (aviglycine HCl) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Apple | 0.08 |
| Fruit, stone, group 12, except cherry | 0.170 |
| Pear | 0.08 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 24838, May 7, 1997, as amended at 64 FR 31129, June 10, 1999; 66 FR 36481, 36484, July 12, 2001; 69 FR 7606, Feb. 18, 2004]

### § 180.503 Cymoxanil, tolerance for residues.

(a) *General.* Tolerances are established for residues of the fungicide, cymoxanil, 2-cyano -N-[(ethylamino)carbonyl]-2-(methoxyimino) acetamide, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Caneberry, subgroup 13A-07 | 4.0 |
| Cilantro, leaves | 19 |
| Hop, dried cones | 7.0 |
| Leafy greens, subgroup 4A | 19 |
| Leaf petioles, subgroup 4B | 6.0 |
| Lychee [1] | 1.0 |
| Onion, bulb, subgroup 3-07A | 0.05 |
| Onion, green, subgroup 3-07B | 1.1 |
| Potato | 0.05 |
| Vegetable, cucurbit, group 9 | 0.05 |
| Vegetable, fruiting, group 8 | 0.2 |

[1] There is no U.S. registration for lychee.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with a regional registration.* Tolerances with a regional registration as defined in § 180.1(l) are established for the residues of the fungicide cymoxanil, 2-cyano -*N*-[(ethylamino)carbonyl]-2-(methoxyimino) acetamide) in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 0.10 |

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 26411, May 14, 1997, as amended at 62 FR 39956, July 25, 1997; 63 FR 24949, May 6, 1998; 63 FR 66464, Dec. 2, 1998; 64 FR 6539, Feb. 10, 1999; 64 FR 47689, Sept. 1, 1999; 66 FR 37598, July 19, 2001; 67 FR 35049, May 17, 2002; 68 FR 41936, July 16, 2003; 70 FR 7047, Feb. 10, 2005; 72 FR 37646, July 11, 2007; 73 FR 58885, Oct. 8, 2008; 76 FR 34885, June 15, 2011]

### § 180.504 [Reserved]

### § 180.505 Emamectin; tolerances for residues.

(a) *General.* (1) Tolerances are established for combined residues of emamectin (a mixture of a minimum of 90% 4′-epi-methylamino-4′-deoxyavermectin $B_{1a}$ and maximum of 10% 4′-epi-methylamino-4′-deoxyavermectin $B_{1b}$) and its metabolites 8,9-isomer of the $B_{1a}$ and $B_{1b}$ component of the parent (8,9-ZMA), or 4′-deoxy-4′-epi-amino-avermectin $B_{1a}$ and 4′-deoxy-4′-epi-amino-avermectin $B_{1b}$; 4′-deoxy-4′-epi-amino avermectin $B_{1a}$ ($AB_{1a}$); 4′-deoxy-4′-epi-(N-formyl-N-methyl)amino-avermectin ($MFB_{1a}$); and 4′-deoxy-4′-epi-(N-formyl)amino-avermectin $B_{1a}$ ($FAB_{1a}$) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.20 |
| Apple, wet pomace | 0.075 |
| Cotton, gin byproducts | 0.050 |
| Cotton, undelinted seed | 0.025 |
| Fruit, pome, group 11 | 0.025 |
| Nut, tree, group 14 | 0.02 |
| Pistachio | 0.02 |
| Tomato, paste | 0.150 |
| Turnip, greens | 0.050 |
| Vegetable, Brassica, leafy, group 5 | 0.050 |
| Vegetable, fruiting, group 8 | 0.020 |
| Vegetable, leafy, except Brassica, group 4 | 0.100 |

(2) Tolerances are also established for combined residues of emamectin ($MAB_{1a}$ + $MAB_{1b}$ isomers) and the associated 8,9-Z isomers (8,9-$ZB_{1a}$ + 8,9-$ZB_{1b}$) in/on the following commodities when present therein as a result of the application of emamectin to crops listed in the table in paragraph (a)(1) of this section:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.010 |
| Cattle, liver | 0.050 |
| Cattle, meat | 0.003 |
| Cattle, meat byproducts, except liver | 0.020 |
| Goat, fat | 0.010 |
| Goat, liver | 0.050 |
| Goat, meat | 0.003 |
| Goat, meat byproducts, except liver | 0.020 |
| Hog, fat | 0.003 |
| Hog, liver | 0.020 |
| Hog, meat | 0.002 |
| Hog, meat byproducts (except liver) | 0.005 |
| Horse, fat | 0.010 |
| Horse, liver | 0.050 |
| Horse, meat | 0.003 |
| Horse, meat byproducts, except liver | 0.020 |
| Milk | 0.003 |
| Sheep, fat | 0.010 |
| Sheep, liver | 0.050 |
| Sheep, meat | 0.003 |
| Sheep, meat byproducts, except liver | 0.020 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect and inadvertant residues.* [Reserved]

[71 FR 18649, Apr. 12, 2006, as amended at 74 FR 2873, Jan. 16, 2009]

## § 180.506 Cyclanilide; tolerances for residues.

(a) *General.* Tolerances are established for residues of the plant growth regulator, cyclanilide, [1-(2,4-dichlorophenylaminocarbonyl)-cyclopropane carboxylic acid] determined as 2,4-dichloroaniline (calculated as cyclanilide) in or on the following food commodities and processed feed:

| Commodity | Parts Per Million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney | 0.2 |
| Cattle, kidney | 2.0 |
| Cotton, undelinted seed | 0.60 |
| Cotton, gin byproducts | 25.0 |
| Goat, fat | 0.10 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney | 0.20 |
| Goat, kidney | 2.0 |
| Horse, fat | 0.10 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney | 0.20 |
| Horse, kidney | 2.0 |
| Hog, fat | 0.10 |
| Hog, meat | 0.02 |
| Hog, meat byproducts, except kidney | 0.20 |
| Hog, kidney | 2.0 |
| Milk | 0.04 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.20 |
| Sheep, meat byproducts, except kidney | 0.20 |
| Sheep, kidney | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 28355, May 23, 1997; 62 FR 34182, June 25, 1997]

## § 180.507 Azoxystrobin; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the fungicide, azoxystrobin, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the table is to be determined by measuring only the sum of azoxystrobin, [methyl( *E* )-2-(2-(6-(2-cyanophenoxy) pyrimidin-4-yloxy)phenyl)-3-methoxyacrylate], and the Z-isomer of azoxystrobin [methyl( *Z* )-2-(2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl)-3 methoxyacrylate] in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Acerola | 2.0 |
| Almond, hulls | 4.0 |
| Animal feed, nongrass, forage, group 18 | 45 |
| Animal feed, nongrass, hay, group 18 | 120 |
| Artichoke, globe | 4.0 |
| Asparagus | 0.04 |
| Atemoya | 2.0 |

| Commodity | Parts per million |
|---|---|
| Avocado | 2.0 |
| Banana (pre-harvest and post harvest) (of which not more than 0.1 is contained in the pulp) | 2.0 |
| Barley, bran | 6.0 |
| Barley, forage | 25 |
| Barley, grain | 3.0 |
| Barley, hay | 15.0 |
| Barley, straw | 7.0 |
| Biriba | 2.0 |
| Brassica, head and stem, subgroup 5A | 3.0 |
| Brassica, leafy greens, subgroup 5B | 25 |
| Bushberry subgroup 13B | 3.0 |
| Caneberry subgroup 13A | 5.0 |
| Canistel | 2.0 |
| Canola, seed | 1.0 |
| Citrus, dried pulp | 20.0 |
| Citrus, oil | 40.0 |
| Cherimoya | 2.0 |
| Coriander, leaves | 30.0 |
| Corn, field, forage | 12.0 |
| Corn, field, grain | 0.05 |
| Corn, field, refined oil | 0.3 |
| Corn, field, stover | 25.0 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 25.0 |
| Corn, sweet, forage | 12.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 25.0 |
| Cotton, gin byproducts | 45 |
| Cotton, undelinted seed | 0.6 |
| Crambe, seed | 0.5 |
| Cranberry | 0.50 |
| Cucurbits | 0.3 |
| Custard apple | 2.0 |
| Feijoa | 2.0 |
| Flax, seed | 0.5 |
| Fruit, citrus, group 10 | 10.0 |
| Fruit, stone | 1.5 |
| Grain, aspirated fractions | 420 |
| Grape | 1.0 |
| Grass, forage [1] | 15 |
| Grass, hay [1] | 20 |
| Guava | 2.0 |
| Herb Subgroup 19A, dried leaves | 260 |
| Herb Subgroup 19A, fresh leaves | 50 |
| Hop, dried cones | 20.0 |
| Ilama | 2.0 |
| Jaboticaba | 2.0 |
| Jackfruit | 2.0 |
| Juneberry | 3.0 |
| Lingonberry | 3.0 |
| Longan | 2.0 |
| Loquat | 2.0 |
| Lychee | 2.0 |
| Mango | 2.0 |
| Mustard, field, seed | 0.5 |
| Mustard, Indian, seed | 0.5 |
| Mustard, seed | 0.5 |
| Nut, tree, group 14 | 0.02 |
| Okra | 2.0 |
| Onion, bulb | 1.0 |
| Onion, green | 7.5 |
| Passionfruit | 2.0 |
| Pawpaw | 2.0 |
| Papaya | 2.0 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.5 |
| Pea and bean, succulent shelled, subgroup 6B | 0.5 |
| Peanut | 0.2 |
| Peanut, hay | 15.0 |
| Peanut, refined oil | 0.6 |
| Pecan | 0.01 |
| Peppermint, tops | 30 |
| Persimmon | 2.0 |
| Pistachio | 0.50 |
| Potato | 0.03 |
| Pulasan | 2.0 |
| Rambutan | 2.0 |
| Rapeseed, Indian | 0.5 |
| Rapeseed, seed | 0.5 |
| Rice, grain | 5.0 |
| Rice, hulls | 20 |
| Rice, straw | 12 |
| Rice, wild, grain | 5.0 |
| Safflower, seed | 0.5 |
| Salal | 3.0 |
| Sapodilla | 2.0 |
| Sapote, black | 2.0 |
| Sapote, mamey | 2.0 |
| Sapote, white | 2.0 |
| Sorghum, forage | 25 |
| Sorghum, grain | 11 |
| Sorghum, stover | 40 |
| Soursop | 2.0 |
| Soybean, hay | 55.0 |
| Soybean, hulls | 1.0 |
| Soybean, seed | 0.5 |
| Spanish lime | 2.0 |
| Spearmint, tops | 30 |
| Spice Subgroup 19B, except black pepper | 38 |
| Star apple | 2.0 |
| Starfruit | 2.0 |
| Strawberry | 10 |
| Sugar apple | 2.0 |
| Sunflower, seed | 0.5 |
| Tamarind | 2.0 |
| Tomato | 0.2 |
| Tomato, paste | 0.6 |
| Turnip, greens | 25 |
| Vegetable, foliage of legume, group 7 | 30.0 |
| Vegetable, fruiting, group 8, except tomato | 2.0 |
| Vegetable, leafy, except brassica, group 4 | 30.0 |
| Vegetable, leaves of root and tuber, group 2 | 50.0 |
| Vegetable, legume, edible podded, subgroup 6A, except soybean | 3.0 |
| Vegetable, root, subgroup 1A | 0.5 |
| Vegetable, tuberous and corm, subgroup 1C | 0.03 |
| Watercress | 3.0 |
| Wax jambu | 2.0 |
| Wheat, bran | 0.20 |
| Wheat, forage | 25 |
| Wheat, grain | 0.10 |
| Wheat, hay | 15 |
| Wheat, straw | 4.0 |

(2) Tolerances are established for residues of the fungicide, azoxystrobin, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the table is to be determined by measuring only the sum of azoxystrobin, [methyl( *E* )-2-(2-(6-(2-cyanophenoxy) pyrimidin-4-yloxy)phenyl)-3-methoxyacrylate], and the Z-isomer of azoxystrobin [methyl( *Z* )-2-(2-(6-(2-cyanophenoxy)pyrimidin-4-yloxy)phenyl)-3 methoxyacrylate] in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.03 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.07 |
| Goat, fat | 0.03 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.07 |
| Hog, fat | 0.010 |
| Hog, meat | 0.01 |
| Hog, meat byproducts | 0.010 |
| Horse, fat | 0.03 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.07 |
| Milk. | 0.006 |
| Sheep, fat | 0.03 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.07 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 32235, June 13, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.507, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.509 Mefenpyr-diethyl; tolerance for residues.

(a) *General.* Tolerances are established for residues of the safener, mefenpyr-diethyl, including its metabolites and degradates, when applied at a rate no greater than 0.053 pound safener per acre per growing season in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of mefenpyr-diethyl (1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-1H-pyrazole-3,5-dicarboxylic acid, diethyl ester) and its 2,4-dichlorophenyl-pyrazoline metabolites, calculated as the stoichiometric equivalent of mefenpyr-diethyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.05 |
| Barley, hay | 0.2 |
| Barley, straw | 0.5 |
| Cattle, meat byproducts | 0.1 |
| Goat, meat byproducts | 0.1 |
| Grass, forage | 1.6 |
| Grass, hay | 0.2 |
| Hog, meat byproducts | 0.1 |
| Horse, meat byproducts | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Sorghum, grain, forage | 0.4 |
| Sorghum, grain, grain | 0.04 |
| Sorghum, grain, stover | 0.2 |
| Wheat, forage | 0.2 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.2 |
| Wheat, straw | 0.5 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent residues of mefenpyr-diethyl, including its metabolites and degradates, when applied at a rate no greater than 0.053 pound safener per acre per growing season in or on the commodities identified in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of mefenpyr-diethyl (1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-1H-pyrazole-3,5-dicarboxylic acid, diethyl ester) and its 2,4-dichlorophenyl-pyrazoline metabolites, calculated as the stoichiometric equivalent of mefenpyr-diethyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Canola, seed | 0.02 |
| Soybean, forage | 0.1 |
| Soybean, hay | 0.1 |
| Soybean, seed | 0.02 |

[73 FR 74977, Dec. 10, 2008, as amended at 76 FR 23903, Apr. 29, 2011]

## § 180.510 Pyriproxyfen; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide pyriproxyfen 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxypyridine in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.10 |
| Almond, hulls | 2.0 |
| Animal feed, nongrass, group 18, forage | 0.70 |
| Animal feed, nongrass, group 18, hay | 1.1 |
| Animal feed, nongrass, group 18, seed | 2.0 |
| Apple, wet pomace | 0.8 |
| Artichoke, globe | 2.0 |
| Asparagus | 2.0 |
| Atemoya | 0.20 |

| Commodity | Parts per million |
|---|---|
| Avocado | 1.0 |
| Banana | 0.20 |
| Beet, sugar, dried pulp | 3.0 |
| Biriba | 0.20 |
| Brassica, head and stem, subgroup 5A | 0.70 |
| Brassica, leafy greens, subgroup 5B | 2.0 |
| Bushberry subgroup 13B | 1.0 |
| Cacao bean, dried | 0.02 |
| Caneberry, subgroup 13-A | 1.0 |
| Canistel | 1.0 |
| Canola, seed | 0.20 |
| Cherimoya | 0.20 |
| Citrus, oil | 20 |
| Citrus, dried pulp | 2.0 |
| Citrus hybrids | 0.30 |
| Coffee, instant | 0.10 |
| Coffee, green bean | 0.02 |
| Cotton, gin byproducts | 2.0 |
| Cotton, undelinted seed | 0.05 |
| Cranberry | 1.0 |
| Custard apple | 0.20 |
| Date | 0.30 |
| Feijoa | 0.10 |
| Fig | 0.30 |
| Fig, dried fruit | 1.0 |
| Fruit, citrus | 0.3 |
| Fruit, pome | 0.2 |
| Fruit, small, vine climbing, except grape, subgroup 13–07E | 0.35 |
| Fruit, stone, group 12 | 1.0 |
| Grain, cereal, group 15 | 1.1 |
| Grain, cereal, forage, fodder and straw, group 16 | 1.1 |
| Grape | 2.5 |
| Grass, forage, fodder, and hay, group 17, forage | 0.70 |
| Grass, forage, fodder, and hay, group 17, hay | 1.1 |
| Guava | 0.10 |
| Ilama | 0.20 |
| Jaboticaba | 0.10 |
| Juneberry | 1.0 |
| Lingonberry | 1.0 |
| Loganberry | 0.30 |
| Lychee | 0.30 |
| Mango | 1.0 |
| Nut, tree, group 14 | 0.02 |
| Okra | 0.02 |
| Olive | 1.0 |
| Olive, oil | 2.0 |
| Onion, bulb | 0.15 |
| Papaya | 1.0 |
| Passionfruit | 0.10 |
| Pawpaw | 1.0 |
| Peanut | 0.20 |
| Pineapple | 0.30 |
| Pineapple, process residue | 1.1 |
| Pistachio | 0.02 |
| Pomegranate | 0.20 |
| Potato, chips | 0.75 |
| Potato, granules/flakes | 0.75 |
| Potato, wet peel | 0.75 |
| Pulasan | 0.30 |
| Rambutan | 0.30 |
| Rice, hulls | 5.5 |
| Safflower, seed | 0.20 |
| Salal | 1.0 |
| Sapodilla | 1.0 |
| Sapote, black | 1.0 |
| Sapote, mamey | 1.0 |
| Sapote, white | 0.30 |
| Sesame, seed | 0.02 |
| Soursop | 0.20 |
| Spanish lime | 0.30 |
| Star apple | 1.0 |
| Starfruit | 0.10 |
| Strawberry | 0.30 |
| Sugar apple | 0.20 |
| Sugarcane | 1.1 |
| Tea | 0.02 |
| Vegetable, bulb, group 3, except onion, bulb | 0.70 |
| Vegetable, cucurbit, group 9 | 0.10 |
| Vegetable, foliage of legume, group 7 | 2.0 |
| Vegetable, fruiting, group 8 | 0.2 |
| Vegetable, leafy, except Brassica, group 4 | 3.0 |
| Vegetable, leaves of root and tuber, group 2 | 2.0 |
| Vegetable, legume, group 6 | 0.20 |
| Vegetable, root and tuber, group 1 | 0.15 |
| Walnut | 0.02 |
| Watercress | 2.0 |
| Wax jambu | 0.10 |

(2) A tolerance of 0.10 parts per million is established for all food commodities as a result of the proposed use of NYLAR in food handling establishments where food and food products are held, prepared, processed or served. Application is limited to space, general surface, spot, and/or crack and crevice treatment in food handling establishments where food and food products are held, processed, prepared and served. Space and general surface application may be used only when the facility is not in operation provided exposed food is covered or removed from the area being treated prior to application. Spot, and/or crack and crevice treatment may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Food contact surfaces should be thoroughly washed with an effective cleaning compound and rinced with potable water after use of the product. To assure safe use of this additive, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency, and shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 10233, Mar. 3, 1999]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.510, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.511 Buprofezin; tolerances for residues.

(a) *General*. Tolerances are established for residues of buprofezin, including its metabolites and degradates in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the buprofezin, 2-[(1,1-dimethylethyl)imino]tetrahydro-3(1-methylethyl)-5-phenyl-4*H*-1,3,5-thiadiazin-4-one, in the commodity.

| Commodity | Parts per million |
|---|---|
| Acerola | 0.30 |
| Almond | 0.05 |
| Almond, hulls | 2.0 |
| Apricot | 9.0 |
| Atemoya | 0.30 |
| Avocado | 0.30 |
| Banana | 0.20 |
| Bean, snap, succulent | 0.02 |
| Berry, low growing, subgroup 13-07G | 2.5 |
| Birida | 0.30 |
| Brassica, head and stem, subgroup 5A | 12.0 |
| Canistel | 0.90 |
| Cattle, fat | 0.05 |
| Cattle, kidney | 0.05 |
| Cattle, liver | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Cherimoya | 0.30 |
| Citrus, dried pulp | 7.5 |
| Citrus, oil | 80 |
| Coffee, green bean | 0.35 |
| Cotton, gin byproducts | 20.0 |
| Cotton, undelinted seed | 0.35 |
| Custard apple | 0.30 |
| Feijoa | 0.30 |
| Fruit, citrus, group 10 | 2.5 |
| Fruit, pome, group 11 | 4.0 |
| Fruit, stone, group 12, except apricot and peach | 1.9 |
| Goat, fat | 0.05 |
| Goat, kidney | 0.05 |
| Goat, liver | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Grape | 2.5 |
| Guava | 0.3 |
| Hog, fat | 0.05 |
| Hog, kidney | 0.05 |
| Hog, liver | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, kidney | 0.05 |
| Horse, liver | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Llama | 0.30 |
| Jaboticaba | 0.30 |
| Lettuce, head | 6.0 |
| Loganberry | 0.30 |
| Lychee | 0.30 |
| Mango | 0.90 |
| Milk | 0.01 |
| Okra | 4.0 |
| Olive | 3.5 |
| Olive, oil | 4.8 |
| Papaya | 0.90 |
| Passionfruit | 0.30 |
| Peach | 9.0 |
| Pepper, nonbell | 4.0 |
| Pistachio | 0.05 |
| Pomegranate | 1.9 |
| Pulasan | 0.30 |
| Radicchio | 6.0 |
| Rambutan | 0.30 |
| Sapodilla | 0.90 |
| Sapote, black | 0.90 |
| Sapote, mamey | 0.90 |
| Sheep, fat | 0.05 |
| Sheep, kidney | 0.05 |
| Sheep, liver | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |
| Soursop | 0.30 |
| Spanish lime | 0.30 |
| Star apple | 0.90 |
| Starfruit | 0.30 |
| Sugar apple | 0.30 |
| Vegetable, cucurbit, group 9 | 0.50 |
| Vegetable, fruiting, group 8, except nonbell pepper | 1.3 |
| Vegetable, leafy, except Brassica, group 4, except head lettuce and radicchio | 35 |
| Wax jambu | 0.30 |

(b) *Section 18 emergency exemption*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[62 FR 40741, July 30, 1997, as amended at 63 FR 33585, June 19, 1998; 63 FR 41727, Aug. 5, 1998; 64 FR 45887, Aug. 23, 1999; 64 FR 59655, Nov. 3, 1999; 65 FR 52947, Aug. 31, 2000; 66 FR 46389, Sept. 5, 2001; 68 FR 37771, June 25, 2003; 70 FR 17907, Apr. 8, 2005; 71 FR 55313, Sept. 22, 2006; 72 FR 35187, June 27, 2007; 73 FR 19161, Apr. 9, 2008; 74 FR 33158, July 10, 2009; 74 FR 48412, Sept. 23, 2009]

### § 180.512 [Reserved]

### § 180.513 Chlorfenapyr; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide chlorfenapyr [4-bromo-2-(4-chlorophenyl)-1-(ethoxymethyl)-5-(trifluoromethyl)-1H-pyrrole-3-carbonitrile] in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Vegetable, fruiting, group 8 | 1.0 |

(2) A tolerance of 0.01 parts per million is established for residues of

chlorfenapyr in or on all food commodities (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling areas where food/feed products are prepared, held, processed, or served and in accordance with the following prescribed conditions:

(i) Application shall be no greater than a 0.5% active ingredient solution for spot crack and crevice use in food/feed handling establishments, where food and food products are held, processed, prepared and/or served.

(ii) Application may only be undertaken when the facility is not in operation, and provided exposed food has been covered, or removed from the area being treated prior to application.

(iii) Food contact surfaces and equipment should be throughly washed with an effective cleaning compound, and rinsed with potable water after each use of the product.

(iv) Contamination of food or food contact surfaces shall be avoided. Application excludes any direct application to any food, food packaging, or any food contact surfaces.

(v) To assure safe use, the label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 55527, Sept. 26, 2003, as amended at 70 FR 3654, Jan. 26, 2005]

### § 180.514 Cloransulam-methyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide, cloransulam-methyl, *N*-(2-carboxymethyl-6-chlorophenyl)-5-ethoxy-7-fluoro-(1,2,4)-triazolo[1,5c]-pyrimidine-2-sulfonamide, plus its acid, cloransulam, calculated as parent ester in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Soybean, forage | 0.1 |
| Soybean, hay | 0.2 |
| Soybean, seed | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[62 FR 49163, Sept. 19, 1997]

### § 180.515 Carfentrazone-ethyl; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the herbicide carfentrazone-ethyl (ethyl-alpha-2-dichloro-5-[-4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]-4-fluorobenzene propanoate) and its metabolite: carfentrazone-chloropropionic acid (alpha, 2-dichloro-5-[-4-difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.10 |
| Almond, hulls | 0.20 |
| Atemoya | 0.10 |
| Avocado | 0.10 |
| Banana | 0.20 |
| Barley, bran | 0.80 |
| Barley, flour | 0.80 |
| Berry group 13 | 0.10 |
| Birida | 0.10 |
| Borage | 0.10 |
| Cacao bean, bean | 0.10 |
| Cactus | 0.10 |
| Caneberry subgroup 13A | 0.1 |
| Canistel | 0.10 |
| Canola | 0.10 |
| Cattle, fat | 0.10 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Cherimoya | 0.10 |
| Coconut | 0.10 |
| Coffee, bean, green | 0.10 |
| Corn, field, forage | 0.20 |
| Corn, sweet, forage | 0.20 |
| Corn, sweet, kernel plus cob with husk removed | 0.10 |
| Cotton, gin byproducts | 10 |
| Cotton, undelinted seed | 0.20 |
| Cotton, hulls | 0.60 |
| Cotton, meal | 0.35 |
| Cotton, refined oil | 1.0 |
| Crambe, seed | 0.10 |
| Custard apple | 0.10 |
| Date, dried fruit | 0.10 |
| Feijoa | 0.10 |
| Fig | 0.10 |
| Fish | 0.30 |

| Commodity | Parts per million |
|---|---|
| Flax, seed | 0.10 |
| Fruit, citrus, group 10 | 0.10 |
| Fruit, pome, group 11 | 0.10 |
| Fruit, stone, group 12 | 0.10 |
| Goat, fat | 0.10 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.10 |
| Grain, aspirated grain fractions | 1.8 |
| Grain, cereal, forage, fodder and straw group 16, except corn and sorghum; forage | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16, hay | 0.30 |
| Grain, cereal, forage, fodder and straw, group 16, stover | 0.30 |
| Grain, cereal, forage, fodder and straw, group 16, except rice; straw | 0.10 |
| Grain, cereal, group 15 | 0.10 |
| Grain, cereal, group 15 (except rice grain and sorghum grain) | 0.10 |
| Grain, cereal, stover | 0.80 |
| Grain, cereal, straw | 3.0 |
| Grape | 0.10 |
| Grass, forage | 5.0 |
| Grass, hay | 8.0 |
| Guava | 0.10 |
| Herbs and spices group 19 | 2.0 |
| Hog, fat | 0.10 |
| Hog, meat | 0.10 |
| Hog, meat byproducts | 0.10 |
| Hop, dried cones | 0.10 |
| Horse, fat | 0.10 |
| Horse, meat | 0.10 |
| Horse, meat byproducts | 0.10 |
| Horseradish | 0.10 |
| Ilama | 0.10 |
| Jaboticaba | 0.10 |
| Juneberry | 0.10 |
| Kava, roots | 0.10 |
| Kiwifruit | 0.10 |
| Lingonberry | 0.10 |
| Longan | 0.10 |
| Lychee | 0.10 |
| Mango | 0.10 |
| Milk | 0.05 |
| Millet, flour | 0.80 |
| Mustard, seed | 0.10 |
| Noni | 0.10 |
| Nut, tree, group 14 | 0.10 |
| Oat, flour | 0.80 |
| Okra | 0.10 |
| Olive | 0.10 |
| Palm heart | 0.10 |
| Palm heart, leaves | 0.10 |
| Papaya | 0.10 |
| Passionfruit | 0.10 |
| Pawpaw | 0.10 |
| Peanut | 0.10 |
| Peanut, hay | 0.10 |
| Persimmon | 0.10 |
| Pistachio | 0.10 |
| Pomegranate | 0.10 |
| Poultry, meat byproducts | 0.10 |
| Pulasan | 0.10 |
| Pummelo | 0.10 |
| Rambutan | 0.10 |
| Rapeseed, forage | 0.10 |
| Rapeseed, seed | 0.10 |
| Rice, grain | 1.3 |
| Rice, hulls | 3.5 |
| Rice, straw | 1.0 |
| Rye, bran | 0.80 |
| Rye, flour | 0.80 |
| Safflower, seed | 0.10 |
| Salal | 0.10 |
| Sapodilla | 0.10 |
| Sapote, black | 0.10 |
| Sapote, mamey | 0.10 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.10 |
| Shellfish | 0.30 |
| Sorghum, forage | 0.20 |
| Sorghum, grain | 0.25 |
| Sorghum, sweet | 0.10 |
| Soursop | 0.10 |
| Soybean, seed | 0.10 |
| Spanish lime | 0.10 |
| Star apple | 0.10 |
| Starfruit | 0.10 |
| Stevia | 0.10 |
| Strawberry | 0.10 |
| Strawberrypear | 0.10 |
| Sugar apple | 0.10 |
| Sugarcane | 0.15 |
| Sunflower, seed | 0.10 |
| Tea, dried | 0.10 |
| Ti, leaves | 0.10 |
| Ti, roots | 0.10 |
| Vanilla | 0.10 |
| Vegetable, brassica, leafy, group 5 | 0.10 |
| Vegetable, bulb, group 3 | 0.10 |
| Vegetable, cucurbit, group 9 | 0.10 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 0.10 |
| Vegetable, fruiting, group 8 | 0.10 |
| Vegetable, leafy, except brassica, group 4 | 0.10 |
| Vegetable, leaves of root and tuber, group 2 | 0.10 |
| Vegetable, legume, group 6 | 0.10 |
| Vegetable, root and tuber, group 1 | 0.10 |
| Wasaba, roots | 0.10 |
| Wax jambu | 0.10 |
| Wheat, bran | 0.80 |
| Wheat, flour | 0.80 |
| Wheat, germ | 0.80 |
| Wheat, middlings | 0.80 |
| Wheat, shorts | 0.80 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 52180, Sept. 30, 1998, as amended at 63 FR 65078, Nov. 25, 1998; 64 FR 45890, Aug. 23, 1999; 65 FR 48626, Aug. 9, 2000; 66 FR 39647, 39682, Aug. 1, 2001; 67 FR 35050, May 17, 2002; 67 FR 40211, June 12, 2002; 68 FR 37765, June 25, 2003; 69 FR 29459, May 24, 2004; 69 FR 58078, Sept. 29, 2004; 73 FR 9221, Feb. 20, 2008; 74 FR 46376, Sept. 9, 2009; 76 FR 34886, June 15, 2011]

## § 180.516 Fludioxonil; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide fludioxonil (4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1*H*-pyrrole-3-carbonitrile) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.01 |
| Avocado | 0.45 |
| Bean, dry | 0.4 |
| Bean, succulent | 0.4 |
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 10 |
| Bushberry subgroup 13B | 2.0 |
| Caneberry subgroup 13A | 5.0 |
| Canistel | 0.45 |
| Citrus, oil | 500 |
| Cotton, gin byproducts | 0.05 |
| Cotton, undelinted seed | 0.05 |
| Flax, seed | 0.05 |
| Fruit, citrus, group 10 | 10 |
| Fruit, pome, group 11 | 5.0 |
| Fruit, stone, group 12 | 5.0 |
| Grain, cereal | 0.02 |
| Grain, cereal, forage, fodder, and straw, group 16 | 0.01 |
| Grape | 1.0 |
| Grass, forage, fodder and hay, group 17 | 0.01 |
| Herb subgroup 19A, dried | 65 |
| Herb subgroup 19A, fresh | 10 |
| Herbs and spices group 19 | 0.02 |
| Juneberry | 2.0 |
| Kiwifruit | 20 |
| Leafy greens subgroup 4A, except spinach | 30 |
| Lingonberry | 2.0 |
| Longan | 1.0 |
| Lychee | 1.0 |
| Mango | 0.45 |
| Melon subgroup 9A | 0.03 |
| Onion, bulb | 0.20 |
| Onion, green | 7.0 |
| Papaya | 0.45 |
| Peanut | 0.01 |
| Peanut, hay | 0.01 |
| Pistachio | 0.10 |
| Pomegranate | 5.0 |
| Pulasan | 1.0 |
| Rambutan | 1.0 |
| Rapeseed, forage | 0.01 |
| Rapeseed, seed | 0.01 |
| Safflower, seed | 0.01 |
| Salal | 2.0 |
| Sapodilla | 0.45 |
| Sapote, black | 0.45 |
| Sapote, mamey | 0.45 |
| Spanish lime | 1.0 |
| Star apple | 0.45 |
| Strawberry | 2.0 |
| Sunflower, seed | 0.01 |
| Tomatillo | 0.50 |
| Tomato | 0.50 |
| Turnip, greens | 10 |
| Vegetable, bulb, group 3 | 0.02 |
| Vegetable, cucurbit, crop group 9 | 0.45 |
| Vegetable, foliage of legume, group 7 | 0.01 |
| Vegetable, fruiting, group 8 | 0.01 |
| Vegetable, leafy, except brassica, group 4 | 0.01 |
| Vegetable, leaves of root and tuber, crop group 2 | 30 |
| Vegetable, legume, group 6 | 0.01 |
| Vegetable, root and tuber, group 1 | 0.02 |
| Vegetable, root, except sugar beet, subgroup 1B | 0.75 |
| Vegetable, tuberous and corn, except potato, subgroup 1D | 3.5 |
| Watercress | 7.0 |
| Yam, true, tuber | 8.0 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the fungicide fludioxonil (4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1*H*-pyrrole-3-carbonitrile) in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances will expire and are revoked on the dates specified in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Pineapple | 13 | 12/31/13 |
| Starfruit | 10 | 12/31/10 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 56082, Oct. 29, 1997]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.516, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.517 Fipronil; tolerances for residues.

(a) *General.* Therefore, tolerances are established for combined residues of the insecticide fipronil (5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile) and its metabolites 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl) sulfonyl]-1H-pyrazole-3-carbonitrile and 5-amino-1-[2,6-dichloro-4-(trifluoromethyl) phenyl]-4-[(trifluoromethyl)thio]-1H-pyrazole-3-carbonitrile and its photodegradate 5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)]-1H-pyrazole-3-carbonitrile in or on the following items at the levels specified:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.40 |
| Cattle, liver | 0.10 |
| Cattle, meat | 0.04 |
| Cattle, meat byproducts, except liver | 0.04 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.30 |
| Corn, field, forage | 0.15 |
| Egg | 0.03 |
| Goat, fat | 0.40 |
| Goat, liver | 0.10 |
| Goat, meat | 0.04 |
| Goat, meat byproducts, except liver | 0.04 |
| Hog, fat | 0.04 |

| Commodity | Parts per million |
|---|---|
| Hog, liver | 0.02 |
| Hog, meat | 0.01 |
| Hog, meat byproducts, except liver | 0.01 |
| Horse, fat | 0.40 |
| Horse, liver | 0.10 |
| Horse, meat | 0.04 |
| Horse, meat byproducts, except liver | 0.04 |
| Milk, fat (reflecting 0.05 ppm in whole milk) | 1.50 |
| Potato | 0.03 |
| Potato, wet peel | 0.10 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.02 |
| Rice, grain | 0.04 |
| Rice, straw | 0.10 |
| Sheep, fat | 0.40 |
| Sheep, liver | 0.10 |
| Sheep, meat | 0.04 |
| Sheep, meat byproducts, except liver | 0.04 |

(b) *Section 18 emergency exemptions.*. Time-limited tolerances are established for combined residues of the insecticide, fipronil, 5-amino-1-(2,6-dichloro-4-(trifluoromethyl) phenyl)-4-((1,R,S)-trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitrile and its 2 metabolites MB45950 (5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-[(trifluoromethyl)thio]-1H-pyrazole-3-carbonitrile) and MB46136 (5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-[(trifluoromethyl)sulfonyl]-1H-pyrazole-3-carbonitrile) and its photodegradate MB46513 (5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(1R,S)-(trifluoromethyl)]-1H-pyrazole-3-carbonitrile), in connection with use of the pesticide under Section 18 emergency exemptions granted by EPA. The tolerances expire and are revoked on the dates specified in the table for this paragraph.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Rutabaga | 1.0 | 12/31/13 |
| Turnip | 1.0 | 12/31/13 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for combined indirect or inadvertent residues of the insecticide fipronil and its metabolites and photodegradate in or on food commodities when present therein as a result of the application of fipronil to growing crops listed in paragraphs (a) and (b) of this section and other nonfood crops to read as follows:

| Commodity | Parts per million |
|---|---|
| Wheat, forage | 0.02 |
| Wheat, grain | 0.005 |
| Wheat, hay | 0.03 |
| Wheat, straw | 0.03 |

[62 FR 62979, Nov. 26, 1997, as amended at 63 FR 38495, July 17, 1998; 72 FR 46913, Aug. 22, 2007; 74 FR 46377, Sept. 9, 2009; 75 FR 80346, Dec. 22, 2010]

## § 180.518 Pyrimethanil; tolerances for residues.

(a) *General.* (1) Tolerances are established for the residues of the fungicide pyrimethanil 4,6-dimethyl-*N*-phenyl-2-pyrimidinamine in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond | 0.20 |
| Almond, hulls | 12 |
| Apple, wet pomace | 40 |
| Banana | 0.10 |
| Citrus, oil | 150 |
| Fruit, citrus, group 10, except lemon, postharvest | 10 |
| Fruit, pome, group 11 (pre-harvest and post-harvest) | 14 |
| Fruit, stone, group 12 | 10 |
| Grape | 5.0 |
| Grape, raisin | 8.0 |
| Lemon, preharvest and postharvest | 11 |
| Onion, bulb | 0.10 |
| Onion, green | 2.0 |
| Pistachio | 0.20 |
| Strawberry | 3.0 |
| Tomato | 0.50 |
| Vegetable, tuberous and corm, subgroup 1C | 0.05 |

(2) Tolerances are established for the combined residues of the fungicide pyrimethanil 4,6-dimethyl-*N*-phenyl-2-pyrimidinamine and its metabolite 4-[4,6-dimethyl-2-pyrimidinyl)amino]phenol in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, kidney | 2.5 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts, except kidney | 0.01 |
| Goat, fat | 0.01 |
| Goat, kidney | 2.5 |
| Goat, meat | 0.01 |
| Goat, meat byproducts, except kidney | 0.01 |
| Horse, fat | 0.01 |
| Horse, kidney | 2.5 |
| Horse, meat | 0.01 |
| Horse, meat byproducts, except kidney | 0.01 |
| Sheep, fat | 0.01 |

| Commodity | Parts per million |
|---|---|
| Sheep, kidney | 2.5 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts, except kidney | 0.01 |

(3) Tolerances are established for the combined residues of the fungicide pyrimethanil 4,6-dimethyl-*N*-phenyl-2-pyrimidinamine and its metabolite 4,6-dimethyl-2-(phenylamino)-5-pyrimidinol in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Milk | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[62 FR 63669, Dec. 2, 1997, as amended at 69 FR 52443, Aug. 26, 2004; 73 FR 64251, Oct. 29, 2008; 74 FR 32448, July 8, 2009]

### § 180.519 Bromide ion and residual bromine; tolerances for residues.

(a) *General.* The food additives, bromide ion and residual bromine, may be present in water, potable in accordance with the following conditions:

(1) The food additives are present as a result of treating water aboard ships with a polybrominated ion-exchange resin (as a source of bromine) under the supervision of trained personnel.

(2) Residual bromine levels are controlled to not exceed 1.0 part per million (ppm) in the final treated water. Control is effected using calibrated recirculating or proportioning bromine feeder equipment and periodic checks of residual bromine using a bromine test kit. To assure safe use of the additives, the label and labeling of the disinfectant formulation containing the food additives shall conform to the label and labeling registered by the U.S. Environmental Protection Agency.

(3) No tolerance is established for bromide ion levels.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[41 FR 17893, Apr. 29, 1976. Redesignated at 41 FR 26568, June 28, 1976, and at 53 FR 24667, June 29, 1988. Redesignated and amended at 63 FR 34319, June 24, 1998; 71 FR 74818, Dec. 13, 2006]

### § 180.521 Fumigants for grain-mill machinery; tolerances for residues.

(a) *General.* Fumigants may be safely used in or on grain-mill machinery in accordance with the following prescribed conditions:

(1) The fumigants consist of methyl bromide.

(2) To assure safe use of the fumigant, its label and labeling shall conform to the label and labeling registered by the U.S. Environmental Protection Agency.

(3) Residues of inorganic bromides (calculated as Br) in milled fractions derived from cereal grain from all fumigation sources, including fumigation of grain-mill machinery, shall not exceed 125 parts per million.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[40 FR 14156, Mar. 28, 1975. Redesignated at 41 FR 26568, June 28, 1976, as amended at 49 FR 44459, Nov. 7, 1984. Further redesignated at 53 FR 24667, June 29, 1988, as amended at 54 FR 6130, Feb. 8, 1989. Further redesignated and amended at 63 FR 34319, June 24, 1998]

### § 180.522 Fumigants for processed grains used in production of fermented malt beverage; tolerances for residues.

(a) *General.* Fumigants for processed grain may be safely used, in accordance with the following conditions.

(1) *Methyl bromide.* Total residues of inorganic bromides (calculated as Br) from the use of this fumigant shall not exceed 125 parts per milion.

(2) Methyl bromide is used to fumigate corn grits and cracked rice in the production of fermented malt beverage.

(3) To assure safe use of the fumigant, its label and labeling shall conform to the label and labeling registered by the U.S. Environmental Protection Agency, and the usage employed should conform with such label or labeling.

(4) The total residue of inorganic bromides in fermented malt beverage, resulting from the use of corn grits and cracked rice fumigated with the fumigant described in paragraph (a)(2) of this section plus additional residues of inorganic bromides that may be present from uses in accordance with other regulations in this chapter promulgated under section 408 and/or 409 of the Act, does not exceed 25 parts per million bromide (calculated as Br).

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74818, Dec. 13, 2006]

### § 180.523 Metaldehyde; tolerances for residues.

(a) *General.* Tolerances are established for residues of the molluscicide metaldehyde in or on food commodities, as follows:

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 0.07 |
| Berry group 13 | 0.15 |
| Cactus | 0.07 |
| Fruit, citrus, group 10 | 0.26 |
| Lettuce | 1.73 |
| Strawberry | 6.25 |
| Tomato | 0.24 |
| Vegetable, brassica, leafy, group 5 | 2.5 |
| Watercress | 3.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 54963, Sept. 24, 2008]

### § 180.525 Resmethrin; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide resmethrin [5-(phenylmethyl)-3-furanyl] methyl 2,2-dimethyl-3-(2-methyl-1-propenyl) cyclopropanecarboxylate in or on food commodities at 3.0 ppm resulting from use of the insecticide in food handling and storage areas as a space concentration for spot/or crack and crevice treatment and shall be limited to a maximum of 3.00 percent of the active ingredient by weight, and as a space treatment shall be limited to a maximum of 0.5 fluid ounce of 3.0 percent active ingredient by weight per 1000 cubic feet of space provided that the food is removed or covered prior to such use. To assure safe use of the additive, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency, and shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 74819, Dec. 13, 2006]

### § 180.526 Synthetic isoparaffinic petroleum hydrocarbons; tolerances for residues.

(a) *General.* Synthetic isoparaffinic petroleum hydrocarbons complying with 21 CFR 172.882 (a) and (b) may be safely used as a component of insecticide formulations for use on animal feed in an amount no greater than reasonably required to accomplish its intended effect as an adjuvant in the insecticide formulation and shall not be intended to accomplish any effect in animal feed. It is used or intended for use as a component of insecticide formulations used in compliance with regulations issued in 40 CFR part 180 and in this part.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[40 FR 14161, Mar. 28, 1975, as amended at 50 FR 2959, Jan. 23, 1985, and amended at 53 FR 24668, 24669, June 29, 1988. Redesignated and amended at 63 FR 34319, June 24, 1998]

### § 180.527 Flufenacet, N-(4-fluorophenyl)-N-(1-methylethyl)-2-[[5-(trifluoromethyl)-1, 3, 4-thiadiazol-2-yl] oxy]acetamide and its metabolites containing the 4-fluoro-N-methylethyl benzenamine tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the herbicide flufenacet, *N*-(4-fluorophenyl)-*N*-(1-methylethyl)-2-[[5-(trifluoromethyl)-1, 3, 4-thiadiazol-2-yl] oxy]acetamide and its metabolites containing the 4-fluoro-*N*-methylethyl benzenamine moiety in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, kidney | 0.05 |
| Corn, field, forage | 0.4 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 0.4 |
| Corn, sweet, forage | 0.45 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.30 |
| Goat, kidney | 0.05 |
| Hog, kidney | 0.05 |
| Horse, kidney | 0.05 |
| Sheep, kidney | 0.05 |
| Soybean, seed | 0.1 |
| Wheat, bran | 0.80 |
| Wheat, forage | 6.0 |
| Wheat, grain | 0.60 |
| Wheat, hay | 1.2 |
| Wheat, straw | 0.35 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances are established for combined residues of flufenacet, *N*-(4-fluorophenyl)-*N*-(1-methylethyl)-2-[[5-(trifluoromethyl)-1, 3, 4-thiadiazol-2-yl] oxy]acetamide, and its metabolites containing the 4-fluoro-*N*-methylethyl benzenamine moiety, with regional registration.

| Commodity | Parts per million |
|---|---|
| Grass, forage | 7.0 |
| Grass, hay | 0.4 |

(d) *Indirect or inadvertent residues*. Tolerances are established for indirect or inadvertent residues of the herbicide flufenacet, *N*-(4-fluorophenyl)-*N*-(1-methylethyl)-2-[[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxy]acetamide and its metabolites containing the 4-fluoro-*N*-methylethyl benzenamine moiety in or on the following raw agricultural commodities when present therein as a result of application of flufenacet to the growing crops in paragraph (a) of this section.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.1 |
| Alfalfa, hay | 0.1 |
| Alfalfa, seed | 0.1 |
| Clover, forage | 0.1 |
| Clover, hay | 0.1 |
| Grain, cereal, group 15, except rice | 0.1 |
| Grain, cereal, forage, fodder, and straw, group 16, except rice | 0.1 |
| Grass, forage, fodder, and hay, group 17 | 0.1 |

[63 FR 26473, May 13, 1998, as amended by 63 FR 50791, Sept. 23, 1998; 64 FR 42846, Aug. 6, 1999; 65 FR 64366, Oct. 27, 2000; 68 FR 2247, Jan. 16, 2003; 68 FR 37759, June 25, 2003; 70 FR 37696, June 30, 2005; 71 FR 76200, Dec. 20, 2006; 72 FR 26310, May 9, 2007]

### § 180.530 2,2-Dimethyl-1,3-benzodioxol-4-ol methylcarbamate; tolerances for residues.

(a) *General*. (1) The insecticide 2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate may be safely used in spot and/or crack and crevice treatments in animal feed handling establishments, including feed manufacturing and processing establishments, such as stores, supermarkets, dairies, meat slaughtering and packing plants, and canneries until the tolerance expiration/revocation date of April 26, 2005.

(2) The insecticide 2,2-dimethyl-1,3-benzodioxol-4-yl methylcarbamate may be safely used in spot and/or crack and crevice treatments in food handling establishments, including food service, manufacturing and processing establishments, such as restaurants, cafeterias, supermarkets, bakeries, breweries, dairies, meat slaughtering and packing plants, and canneries until the tolerance expiration/revocation date of April 26, 2005.

(3) To ensure safe use of the additive, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 34828, June 26, 1998, as amended at 69 FR 58083, Sept. 29, 2004]

### § 180.532 Cyprodinil; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the fungicide cyprodinil, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only cyprodinil 4-cyclopropyl-6-methyl-*N*-phenyl-2-pyrimidinamine.

| Commodity | Parts per million |
|---|---|
| Almond | 0.02 |
| Almond, hulls | 8.0 |
| Apple, wet pomace | 4.6 |
| Avocado | 1.2 |
| Bean, dry | 0.6 |
| Bean, succulent | 0.6 |
| Brassica, head and stem, subgroup 5A | 1.0 |
| Brassica, leafy greens, subgroup 5B | 10.0 |
| Bushberry subgroup 13B | 3.0 |
| Caneberry subgroup 13A | 10 |
| Canistel | 1.2 |
| Canola, seed [1] | 0.03 |
| Citrus, dried pulp | 8.0 |
| Citrus, oil | 340 |
| Fruit, pome | 1.7 |
| Fruit, stone | 2.0 |
| Grape | 2.0 |
| Grape, raisin | 3.0 |
| Herb subgroup 19A, dried, except parsley | 15.0 |
| Herb subgroup 19A, fresh, except parsley | 3.0 |
| Juneberry | 3.0 |
| Kiwifruit | 1.8 |
| Leafy greens subgroup 4A, except spinach 35 | 30 |
| Lemon | 0.60 |
| Lime | 0.60 |
| Lingonberry | 3.0 |
| Longan | 2.0 |
| Lychee | 2.0 |
| Mango | 1.2 |
| Onion, bulb | 0.60 |
| Onion, green | 4.0 |
| Papaya | 1.2 |
| Parsley, dried leaves | 170 |
| Parsley, leaves | 35 |
| Pistachio | 0.10 |
| Pulasan | 2.0 |
| Rambutan | 2.0 |
| Salal | 3.0 |
| Sapodilla | 1.2 |
| Sapote, black | 1.2 |
| Sapote, mamey | 1.2 |
| Spanish lime | 2.0 |
| Star apple | 1.2 |
| Strawberry | 5.0 |
| Tomatillo | 0.45 |
| Tomato | 0.45 |
| Tomato, paste | 1.0 |
| Turnip, greens | 10.0 |
| Vegetable, cucurbit, group 9 | 0.70 |
| Vegetable, leaves of root and tuber, group 2 | 10 |
| Vegetable, root, except sugarbeet, subgroup 1B 41 | 0.75 |
| Watercress | 20 |

[1] Import only.

(2) Tolerances are established for residues of the fungicide cyprodinil, including its metabolites and degradates, in the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of cyprodinil 4-cyclopropyl-6-methyl-*N*-phenyl-2-pyrimidinamine and free and conjugated CGA–304075 4-(4-cyclopropyl-6-methyl-pyrimidin-2-ylamino)-phenol, calculated as the stoichiometric equivalent of cyprodinil.

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.02 |
| Goat, meat byproducts | 0.02 |
| Horse, meat byproducts | 0.02 |
| Sheep, meat byproducts | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 17706, Apr. 10, 1998]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.532, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.533 Esfenvalerate; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the insecticide esfenvalerate, (*S*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate, its non-racemic isomer, (*R*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and its diastereomers (*S*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and (*R*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate, in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Almond | 0.2 |
| Almond, hulls | 5.0 |

| Commodity | Parts per million |
|---|---|
| Apple | 1.0 |
| Artichoke, globe | 1.0 |
| Bean, dry, seed | 0.25 |
| Bean, snap, succulent | 1.0 |
| Beet, sugar, roots | 0.05 |
| Beet, sugar, tops | 5.0 |
| Blueberry | 1.0 |
| Broccoli | 1.0 |
| Cabbage, except Chinese cabbage | 3.0 |
| Caneberry subgroup 13A | 1.0 |
| Cantaloupe | 0.5 |
| Carrot, roots | 0.5 |
| Cattle, fat | 1.5 |
| Cattle, meat | 1.5 |
| Cattle, meat byproducts | 1.5 |
| Cauliflower | 0.5 |
| Collards | 3.0 |
| Corn, field, forage | 15.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 15.0 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 15.0 |
| Corn, sweet, forage | 15.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.1 |
| Corn, sweet, stover | 15.0 |
| Cotton, undelinted seed | 0.2 |
| Cucumber | 0.5 |
| Egg | 0.03 |
| Eggplant | 0.5 |
| Elderberry | 1.0 |
| Fruit, stone, group 12 | 3.0 |
| Goat, fat | 1.5 |
| Goat, meat | 1.5 |
| Goat, meat byproducts | 1.5 |
| Gooseberry | 1.0 |
| Hazelnut | 0.2 |
| Hog, fat | 1.5 |
| Hog, meat | 1.5 |
| Hog, meat byproducts | 1.5 |
| Horse, fat | 1.5 |
| Horse, meat | 1.5 |
| Horse, meat byproducts | 1.5 |
| Kiwifruit | 0.5 |
| Lentil, seed | 0.25 |
| Melon, honeydew | 0.5 |
| Milk | 0.3 |
| Milk, fat | 7.0 |
| Muskmelon | 0.5 |
| Mustard greens | 5.0 |
| Okra | 0.5 |
| Pea, dry, seed | 0.25 |
| Pea, succulent | 0.5 |
| Peanut | 0.02 |
| Pear | 1.0 |
| Pecan | 0.2 |
| Pepper | 0.5 |
| Potato | 0.02 |
| Poultry, fat | 0.3 |
| Poultry, liver | 0.03 |
| Poultry, meat | 0.03 |
| Poultry, meat byproducts, except liver | 0.3 |
| Pumpkin | 0.5 |
| Radish, roots | 0.3 |
| Radish, tops | 3.0 |
| Sheep, fat | 1.5 |
| Sheep, meat | 1.5 |
| Sheep, meat byproducts | 1.5 |
| Sorghum, grain, forage | 10.0 |
| Sorghum, grain, grain | 5.0 |
| Sorghum, grain, stover | 10.0 |
| Soybean, hulls | 0.5 |
| Soybean, seed | 0.05 |
| Squash, summer | 0.5 |
| Squash, winter | 0.5 |
| Sugarcane, cane | 1.0 |
| Sunflower, seed | 0.5 |
| Sweet potato, roots | 0.05 |
| Tomato | 0.5 |
| Turnip, greens | 7.0 |
| Turnip, roots | 0.5 |
| Walnut | 0.2 |
| Watermelon | 0.5 |

(2) A tolerance of 0.05 ppm on raw agricultural food commodities (other than those food commodities already covered by a higher tolerance as a result of use on growing crops) is established for the combined residues of the insecticide esfenvalerate, (*S*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate, its non-racemic isomer, (*R*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and its diastereomers (*S*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and (*R*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate as a result of the use of esfenvalerate in food-handling establishments.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registration are established for the combined residues of the insecticide esfenvalerate, (*S*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate, its non-racemic isomer, (*R*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and its diastereomers (*S*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro-α-(1-methylethyl)benzeneacetate and (*R*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro-α-(1-methylethyl)benzeneacetate, in or on food commodities as follows:

| Commodity | Parts per million |
|---|---|
| Cabbage, chinese, bok choy | 1.0 |
| Kohlrabi | 2.0 |
| Lettuce, head | 5.0 |

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 23401, Apr. 29, 1998, as amended at 63 FR 48615, Sept. 11, 1998; 74 FR 46699, Sept. 11, 2009]

### § 180.535 Fluroxypyr 1-methylheptyl ester; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of fluroxypyr 1-methylheptyl ester [1-methylheptyl ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetate] and its metabolite fluroxypyr [((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetic acid] in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.5 |
| Barley, hay | 12.0 |
| Barley, hay | 20.0 |
| Barley, straw | 12.0 |
| Cattle, fat | 0.1 |
| Cattle, kidney | 1.5 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Corn, field, forage | 1.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.5 |
| Corn, sweet, forage | 1.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Corn, sweet, stover | 2.0 |
| Fruit, pome, group 11 | 0.02 |
| Garlic, bulb | 0.03 |
| Goat, fat | 0.1 |
| Goat, kidney | 1.5 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Grain, aspirated fractions | 0.6 |
| Grass, forage | 120 |
| Grass, hay | 160 |
| Hog, fat | 0.1 |
| Hog, kidney | 1.5 |
| Hog, meat | 0.1 |
| Hog, meat byproducts | 0.1 |
| Horse, fat | 0.1 |
| Horse, kidney | 1.5 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Milk | 0.3 |
| Millet, forage | 12.0 |
| Millet, grain | 0.5 |
| Millet, hay | 20.0 |
| Millet, proso, straw | 12.0 |
| Oat, forage | 12.0 |
| Oat, grain | 0.5 |
| Oat, hay | 20.0 |
| Oat, straw | 12.0 |
| Onion, bulb | 0.03 |
| Shallot, bulb | 0.03 |
| Sheep, fat | 0.1 |
| Sheep, kidney | 1.5 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Sorghum, grain, forage | 2.0 |
| Sorghum, grain, grain | 0.02 |
| Sorghum, grain, stover | 4.0 |
| Wheat, forage | 12.0 |
| Wheat, grain | 0.5 |
| Wheat, hay | 20.0 |
| Wheat, straw | 12.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 52169, Sept. 30, 1998, as amended at 64 FR 22799, Apr. 28, 1999; 66 FR 37598, July 19, 2001; 66 FR 47971, Sept. 17, 2001; 67 FR 46884, July 17, 2002; 67 FR 60146, Sept. 25, 2002; 68 FR 75438, Dec. 31, 2003; 69 FR 2074, Jan. 14, 2004; 70 FR 3649, Jan. 26, 2005; 70 FR 7047, Feb. 10, 2005; 71 FR 76204, Dec. 20, 2006; 72 FR 73635, Dec. 28, 2007]

### § 180.536 Triazamate; tolerances for residues.

(a) *General.* Time-limited tolerances are established for the combined residues of triazamate (RH-7988) ethyl(3-tert-butyl-1-dimethylcarbamoyl-1*H*-1,2,4-triazol-5-ylthio)acetate and its metabolite (RH0422) in or on the following commoditie(s):

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Apple | 0.1 | 12/31/01 |

(b) *Section 18 emergency exemptions.*

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 71026, Dec. 23, 1998]

### § 180.537 Isoxaflutole; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of isoxaflutole 5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethylbenzoyl) isoxazole and its metabolite 1-(2-methylsulfonyl-4-trifluoromethylphenyl)-2-cyano-3-cyclopropyl propan-1,3-dione (RPA 202248), calculated as the parent compound, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.04 |

| Commodity | Parts per million |
|---|---|
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 50784, Sept. 23, 1998, as amended at 73 FR 75608, Dec. 12, 2008]

### § 180.539 d-Limonene; tolerances for residues.

(a) *General.* (1) The insecticide d-limonene may be safely used in insect-repellent tablecloths and in insect-repellent strips used in food- or feed-handling establishments.

(2) To assure safe use of the insect repellent, its label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33715, May 24, 2000, as amended at 70 FR 55268, Sept. 21, 2005]

### § 180.540 Fenitrothion; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide fenitrothion, *O,O*-dimethyl *O*-(4-nitro-*m*-tolyl) phosphorothioate, from the postharvest application of the insecticide to stored wheat in Australia, in or on the following food commodity:

| Commodity | Parts per million |
|---|---|
| Wheat, gluten [1] | 3.0 |

[1] There are no U.S. registrations on food commodities since 1987.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 54963, Sept. 24, 2008]

### § 180.541 Propetamphos; tolerances for residues.

(a) *General.* A tolerance of 0.1 part per million is established for residues of the insecticide propetamphos, including its metabolites and degradates, in or on food or feed commodities when present therein as a result of the treatment of food- or feed-handling establishments with propetamphos. Direct application shall be limited solely to spot and/or crack and crevice treatment in food- or feed-handling establishments where food or feed and food or feed products are held, processed, prepared, served, or sold. Spray and dust concentrations shall be limited to a maximum of 1 percent active ingredient. For crack and crevice treatment, equipment capable of delivering a dust or a pin-stream of spray directly into cracks and crevices shall be used. For spot treatment, a coarse, low-pressure spray shall be used to avoid contamination of food, feed, or food-contact/feed-contact surfaces. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only propetamphos, 1-methylethyl-(2E)-3-((ethylamino)methoxyphosphinothioyl)oxy)-2-butenoate, in or on the commodity.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 33716, May 24, 2000, as amended at 76 FR 23498, Apr. 27, 2011]

### § 180.543 Diclosulam; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide diclosulam [*N*-(2,6-dichlorophenyl)-5-ethoxy-7-fluoro[1,2,4] triazolo[1,5-*c*]pyrimidine-2-sulfonamide] in or on the following raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Peanut | 0.020 |
| Soybean, seed | 0.020 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 12134, Mar. 8, 2000]

### § 180.544 Methoxyfenozide; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide methoxyfenozide per se; benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.4 |
| Almond, hulls | 25 |
| Animal feed, nongrass, group 18, forage | 50.0 |
| Animal feed, nongrass, group 18, hay | 150.0 |
| Apple, wet pomace | 7.0 |
| Artichoke, globe | 3.0 |
| Avocado | 0.6 |
| Bean, dry, seed | 0.24 |
| Brassica, head and stem, subgroup 5A | 7.0 |
| Brassica, leafy greens, subgroup 5B | 30 |
| Bushberry subgroup 13-07B | 3.0 |
| Canistel | 0.6 |
| Cattle, fat | 0.50 |
| Cattle, meat | 0.02 |
| Coriander, leaves | 30 |
| Corn, field, forage | 15 |
| Corn, field, grain | 0.05 |
| Corn, field, refined oil | 0.20 |
| Corn, field, stover | 125 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 125 |
| Corn, sweet, forage | 30 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 60 |
| Cotton, gin byproducts | 35 |
| Cotton, undelinted seed | 2.0 |
| Cranberry | 0.5 |
| Feijoa | 0.4 |
| Fruit, pome, group 11 | 1.5 |
| Fruit, stone, group 12, except plum, prune, fresh | 3.0 |
| Goat, fat | 0.50 |
| Goat, meat | 0.02 |
| Grain, aspirated fractions | 2.0 |
| Grape | 1.0 |
| Grape, raisin | 1.5 |
| Grass, forage, fodder and hay, group 17, forage | 18.0 |
| Grass, forage, fodder and hay, group 17, hay | 30.0 |
| Guava | 0.4 |
| Hog, fat | 0.1 |
| Hog, meat | 0.02 |
| Horse, fat | 0.50 |
| Horse, meat | 0.02 |
| Jaboticaba | 0.4 |
| Leaf petioles subgroup 4B | 25 |
| Leafy greens subgroup 4A | 30 |
| Longan | 2.0 |
| Lychee | 2.0 |
| Mango | 0.6 |
| Milk | 0.10 |
| Nut, tree, group 14 | 0.10 |
| Okra | 2.0 |
| Onion, green, subgroup 3-07B | 5.0 |
| Papaya | 0.6 |
| Passionfruit | 0.4 |
| Pea and bean, succulent shelled, subgroup 6B | 0.2 |
| Pea, blackeyed, seed | 4.0 |
| Pea, dry seed | 2.5 |
| Pea, southern, seed | 4.0 |
| Peanut | 0.02 |
| Peanut, hay | 55.0 |
| Peanut, oil | 0.04 |
| Peppermint, tops | 7.0 |
| Pistachio | 0.10 |
| Plum, prune, fresh | 0.30 |
| Pomegranate | 0.6 |
| Poultry, fat | 0.02 |
| Poultry, meat | 0.02 |
| Pulasan | 2.0 |
| Rambutan | 2.0 |
| Sapodilla | 0.6 |
| Sapote, black | 0.6 |
| Sapote, mamey | 0.6 |
| Sheep, fat | 0.50 |
| Sheep, meat | 0.02 |
| Soybean, aspirated grain fractions | 160 |
| Soybean, forage | 30 |
| Soybean, hay | 80 |
| Soybean, hulls | 2.0 |
| Soybean, seed | 1.0 |
| Spanish lime | 2.0 |
| Spearmint, tops | 7.0 |
| Star apple | 0.6 |
| Starfruit | 0.4 |
| Strawberry | 1.5 |
| Turnip, greens | 30 |
| Vegetable, cucurbit, group 9 | 0.3 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 35 |
| Vegetable, fruiting, group 8 | 2.0 |
| Vegetable, leaves of root and tuber, group 2 | 30 |
| Vegetable, legume, edible podded, subgroup 6A | 1.5 |
| Vegetable, root, subgroup 1A | 0.5 |
| Vegetable, tuberous and corm, except potato, subgroup 1D | 0.02 |
| Wax jambu | 0.4 |

(2) For combined residues of the insecticide methoxyfenozide; benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide and its glucuronide metabolite RH-141,518; β-D-Glucopyranuronic acid, 3-[2-(1,1-dimethylethyl)-2-(3,5-dimethylbenzoyl)-hydrazino]carbonyl-2-methylphenyl-] in the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, liver | 0.40 |
| Cattle, meat byproducts, except liver | 0.10 |
| Egg | 0.02 |
| Goat, liver | 0.40 |
| Goat, meat byproducts, except liver | 0.10 |
| Hog, liver | 0.1 |
| Hog, meat byproducts, except liver | 0.02 |
| Horse, liver | 0.40 |
| Horse, meat byproducts, except liver | 0.10 |

| Commodity | Parts per million |
|---|---|
| Poultry, liver | 0.10 |
| Poultry, meat byproducts, except liver | 0.02 |
| Sheep, liver | 0.40 |
| Sheep, meat byproducts, except liver | 0.10 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances specified in the following table are established for residues of the insecticide methoxyfenozide *per se* (benzoic acid, 3-methoxy-2-methyl-,2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide), in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FFIFRA section 18 emergency exemptions. The tolerances expire and will be revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Sorghum, forage | 30.0 | 12/31/12 |
| Sorghum, grain | 0.05 | 12/31/12 |
| Sorghum, stover | 60.0 | 12/31/12 |

(c) *Tolerances with regional registrations.* Tolerances are established for residues of the insecticide methoxyfenozide, including its metabolites and degradates. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only methoxyfenozide, benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide.

| Commodity | Parts per million |
|---|---|
| Citrus, Oil | 100 |
| Fruit, citrus, group 10 | 10 |

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 59203, Sept. 20, 2002, as amended at 68 FR 32389, May 30, 2003; 68 FR 37765, June 25, 2003; 69 FR 58097, Sept. 29, 2004; 70 FR 7047, Feb. 10, 2005; 70 FR 51604, Aug. 31, 2005; 70 FR 75739, Dec. 21, 2005; 71 FR 32853, June 7, 2006; 73 FR 11826, Mar. 5, 2008; 74 FR 22468, May 13, 2009; 74 FR 45335, Sept. 2, 2009; 76 FR 34886, June 15, 2011]

## § 180.545 Prallethrin (*RS*)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1*RS*)-*cis, trans*-chrysanthemate; tolerances for residues.

(a) *General.* (1) A tolerance of 1.0 ppm is established for residues of the insecticide prallethrin (*RS*)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (1*RS*)-*cis, trans*-chrysanthemate as follows:

(2) In or on food commodities in food handling establishments where food and food products are held, processed, prepared and/or served.

(3) Application shall be limited to space, general surface, and spot and/or crack and crevice treatment in food handling establishments where food and food products are held, processed, prepared and/or served. General surface or space spray applications may be used only when the facility is not in operation provided exposed food has been covered or removed from the area being treated prior to application. Spot and/or crack and crevice application may be used while the facility is in operation provided exposed food is covered or removed from the area being treated prior to application. Spray concentrate shall be limited to a maximum of 2.0% active ingredient. Contamination of food or food contact surfaces shall be avoided. Food contact surfaces and equipment should be throughly washed with an effective cleaning compound and rinsed with potable water after use of the product.

(4) To assure safe use of the additive, its label and labeling shall conform to that registered with the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 39313, June 26, 2000, as amended at 71 FR 74819, Dec. 13, 2006]

## § 180.546 Mefenoxam; tolerances for residues.

(a) *General.* Tolerances are established for residues of mefenoxam, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance

levels specified below is to be determined by measuring only metalaxyl (methyl *N*-(2,6-dimethylphenyl)-*N*-(methoxyacetyl)-*DL*-alaninate).

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 0.05 |
| Atemoya | 0.20 |
| Bean, snap, succulent | 0.20 |
| Bushberry subgroup 13–07B | 2.0 |
| Caneberry subgroup 13–07A | 0.70 |
| Canistel | 0.40 |
| Custard apple | 0.20 |
| Herbs, dried | 55 |
| Herbs, fresh | 8.0 |
| Kiwifruit | 0.10 |
| Mango | 0.40 |
| Onion, bulb, subgroup 3–07A | 3.0 |
| Onion, green, subgroup 3–07B | 10 |
| Papaya | 0.40 |
| Sapodilla | 0.40 |
| Sapote, black | 0.40 |
| Sapote, mamey | 0.40 |
| Spinach | 10 |
| Star apple | 0.40 |
| Starfruit | 0.20 |
| Sugar apple | 0.20 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertant residues.* [Reserved]

[65 FR 57556, Sept. 25, 2000, as amended at 66 FR 48003, Sept. 17, 2001; 67 FR 35050, May 17, 2002; 76 FR 4548, Jan. 26, 2011]

## § 180.547 Prohexadione calcium; tolerances for residues.

(a) *General.* Tolerances are established for residues of the plant growth regulator, prohexadione calcium (calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, kidney | 0.10 |
| Cattle, meat byproducts, except kidney | 0.05 |
| Fruit, pome, group 11 | 3.0 |
| Goat, kidney | 0.10 |
| Goat, meat byproducts, except kidney | 0.05 |
| Grass, forage [1] | 0.10 |
| Grass, hay [1] | 0.10 |
| Grass, seed screenings [1] | 3.5 |
| Grass, straw [1] | 1.2 |
| Hog, kidney | 0.10 |
| Hog, meat byproducts, except kidney | 0.05 |
| Horse, kidney | 0.10 |
| Horse, meat byproducts, except kidney | 0.05 |
| Peanut | 1.0 |
| Peanut, hay | 0.60 |
| Sheep, kidney | 0.10 |
| Sheep, meat byproducts, except kidney | 0.05 |

[1]Registration is limited to grass grown for seed.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[65 FR 25660, May 3, 2000, as amended at 66 FR 29712, June 1, 2001]

## § 180.548 Tralkoxydim; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide, tralkoxydim, 2-Cyclohexen-1-one, 2-[1-(ethoxyimino)propyl]-3-hydroxy-5-(2,4,6-trimethylphenyl)-(9Cl) in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.02 |
| Barley, hay | 0.02 |
| Barley, straw | 0.05 |
| Wheat, forage | 0.05 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.02 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[63 FR 69199, Dec. 16, 1998, as amended at 68 FR 48302, Aug. 13, 2003; 70 FR 70739, Nov. 23, 2005]

## § 180.549 Diflufenzopyr; tolerances for residues.

(a) *General.* Tolerances are established for combined residues of diflufenzopyr, 2-(1-[([3,5-difluorophenylamino] carbonyl)hydrazono]ethyl)-3-pyridinecarboxylic acid, and its metabolites convertible to 8-methylpyrido[2,3-d]pyridazin-5(6H)-one, expressed as diflufenzopyr, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.05 |

| Commodity | Parts per million |
|---|---|
| Corn, field, stover | 0.05 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 0.05 |
| Corn, sweet, forage | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.05 |
| Corn, sweet, stover | 0.05 |
| Grass, forage | 22.0 |
| Grass, hay | 7.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 4308, Jan. 28, 1999, as amended at 67 FR 55338, Aug. 29, 2002; 76 FR 34886, June 15, 2011]

### § 180.550 Arsanilic acid [(4-aminophenyl) arsonic acid]; tolerances for residues.

(a) *General*. A time-limited tolerance is established for residues of the plant growth regulator arsanilic acid [(4-aminophenyl) arsonic acid], in or on the following food commodities in connection with the use of the pesticide under section 5 experimental use permit. The tolerance will expire on the date specified in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Grapefruit | 2 (not to exceed 0.7 ppm total arsenic) | 2/28/01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 14639, Mar. 26, 1999]

### § 180.551 Fluthiacet-methyl; tolerances for residues.

(a) *General*. (1) A tolerance is established for residues of the herbicide, fluthiacet-methyl, acetic acid [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1*H*,3*H*-[1,3,4]thiadiazolo[3,4-α]pyridazin-1-ylidene)amino]phenyl]thio]-methyl ester, in or on the food commodity:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.050 |
| Corn, field, grain | 0.010 |
| Corn, field, stover | 0.050 |
| Corn, pop, grain | 0.010 |
| Corn, pop, stover | 0.050 |
| Corn, sweet, forage | 0.050 |
| Corn, sweet, kernel plus cob with husks removed | 0.010 |
| Corn, sweet, stover | 0.050 |
| Soybean, seed | 0.01 |

(2) A tolerance is established for the combined residues of the herbicide fluthiacet-methyland its acid metabolite: acetic acid, [[2-chloro-4-fluoro-5-[tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4-α]pyridazin-1-ylidene)amino]phenyl]thio]-methyl ester, and its acid metabolite, acetic acid, [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4-α]pyridazin-1-ylidene)amino]phenyl]thio]- , in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 0.20 |
| Cotton, undelinted seed | 0.020 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[64 FR 18357, Apr. 14, 1999, as amended at 66 FR 65850, Dec. 21, 2001; 71 FR 77625, Dec. 27, 2006]

### § 180.552 Sulfosulfuron; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide sulfosulfuron, 1–(4,6-dimethoxypyrimidin-2-yl)-3-[(2-ethanesulfonyl-imidazo[1,2-a]pyridine-3-yl) sulfonyl]urea and its metabolites converted to 2-(ethylsulfonyl)-imidazo[1,2-a]pyridine and calculated as sulfosulfuron in or on the raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts | 0.3 |
| Goat, fat | 0.02 |
| Goat, meat | 0.01 |
| Goat, meat byproducts | 0.3 |

| Commodity | Parts per million |
|---|---|
| Grass, forage, fodder and hay, group 17, forage | 14 |
| Grass, forage, fodder and hay, group 17, hay | 25 |
| Hog, fat | 0.005 |
| Hog, meat | 0.005 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.02 |
| Horse, meat | 0.01 |
| Horse, meat byproducts | 0.3 |
| Milk | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts | 0.3 |
| Wheat, forage | 4.0 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.3 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 27192, May 19, 1999, as amended at 70 FR 69464, Nov. 16, 2005; 72 FR 54574, Sept. 26, 2007]

### § 180.553 Fenhexamid; tolerances for residues.

(a) *General.* Tolerances are established for the residues of the fungicide fenhexamid (N-2,3-dichloro-4-hydroxyphenyl)-1-methyl cyclohexanecarboxamide) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.0 |
| Almond | 0.02 |
| Asparagus | 0.02 |
| Bushberry subgroup 13B | 5.0 |
| Caneberry subgroup 13A | 20.0 |
| Cilantro, leaves | 30.0 |
| Cucumber | 2.0 |
| Fruit, stone, group 12, except plum, prune, fresh, postharvest | 10.0 |
| Ginseng | 0.3 |
| Grape | 4.0 |
| Grape, raisin | 6.0 |
| Juneberry | 5.0 |
| Kiwifruit, postharvest | 15.0 |
| Leafy greens subgroup 4A, except spinach | 30.0 |
| Lingonberry | 5.0 |
| Pear | 10 |
| Pepper, nonbell | 0.02 |
| Pistachio | 0.02 |
| Plum, prune, dried | 2.5 |
| Plum, prune, fresh | 1.5 |
| Pomegranate | 2.0 |
| Salal | 5.0 |
| Strawberry | 3.0 |
| Vegetable, fruiting, group 8, except nonbell pepper | 2.0 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 28924, May 28, 1999, as amended at 65 FR 19849, Apr. 13, 2000; 65 FR 69883, Nov. 21, 2000; 67 FR 19120, Apr. 18, 2002; 68 FR 2247, Jan. 16, 2003; 68 FR 55519, Sept. 26, 2003; 71 FR 15617, Mar. 29, 2006; 71 FR 43664, Aug. 2, 2006; 73 FR 19154, Apr. 9, 2008]

### § 180.554 Kresoxim-methyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of the fungicide kresoxim-methyl (methyl (*E*)-2-[2-(2-methylphenoxy)-methyl]phenyl-2-(methoxyimido)acetate) and its metabolites as follows: (*E*)-2-[2-(2-methylphenoxy)methyl]-phenyl-2-(methoxyimido)acetic acid; (*E*)-2-[2-(2-hydroxymethylphenoxy)methyl]-phenyl-2-(methoxyimido)acetic acid (free and glucose conjugated); and (*E*)-2-[2-(4-hydroxy-2-methylphenoxy)-methyl]phenyl-2-(methoxyimido)acetic acid (free and glucose conjugated) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Apple, dry pomace | 1.0 |
| Apple, wet pomace | 1.0 |
| Fruit, pome | 0.5 |
| Grape | 1.0 |
| Grape, raisin | 1.5 |
| Pecan | 0.15 |
| Vegetable, cucurbit, group 9 | 0.40 |

(2) Tolerances are established in or on the following commodities for the residues of the metabolite (*E*)-2-[2-(2-methylphenoxy)methyl]-phenyl-2-(methoxyimido)acetic acid resulting from the use of the fungicide kresoxim-methyl:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.01 |
| Goat, meat byproducts | 0.01 |
| Sheep, meat byproducts | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 31136, June 10, 1999, as amended at 71 FR 50359, Aug. 25, 2006; 74 FR 46377, Sept. 9, 2009]

### § 180.555 Trifloxystrobin; tolerances for residues.

(a) *General.* Tolerances are established for residues of trifloxystrobin, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of trifloxystrobin, benzeneacetic acid, (*E*,*E*)-α-(methoxyimino)-2-[[[[1-[3-(trifluoromethyl) phenyl]ethylidene] amino]oxy]methyl]-, methyl ester, and the free form of its acid metabolite CGA–321113, (*E*,*E*)-methoxyimino-[2-[1-(3-trifluoromethyl-phenyl)-ethylideneaminooxymethyl]-phenyl]acetic acid, calculated as the stoichiometric equivalent of trifloxystrobin, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 3.0 |
| Almond | 0.04 |
| Apple, wet pomace | 5.0 |
| Asparagus | 0.07 |
| Banana [1] | 0.10 |
| Barley, grain | 0.05 |
| Barley, hay | 0.3 |
| Barley, straw | 5.0 |
| Beet, sugar, dried pulp | 0.4 |
| Beet, sugar, molasses | 0.2 |
| Beet, sugar, roots | 0.1 |
| Beet, sugar, tops | 4.0 |
| Canistel | 0.7 |
| Cattle, fat | 0.1 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts | 0.1 |
| Citrus, dried pulp | 1.0 |
| Citrus, oil | 38 |
| Corn, field, forage | 6.0 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 7 |
| Corn, field, refined oil | 0.1 |
| Corn, pop, grain | 0.05 |
| Corn, pop, stover | 7 |
| Corn, sweet, cannery waste | 0.6 |
| Corn, sweet, forage | 7.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.04 |
| Corn, sweet, stover | 4.0 |
| Egg | 0.04 |
| Fruit, citrus, group 10 | 0.6 |
| Fruit, pome | 0.5 |
| Fruit, stone, group 12 | 2 |
| Goat, fat | 0.1 |
| Goat, meat | 0.1 |
| Goat, meat byproducts | 0.1 |
| Grain, aspirated fractions | 5.0 |
| Grape | 2.0 |
| Grape, raisin | 5.0 |
| Grass, forage | 12 |
| Grass, hay | 17 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Hop, dried cones | 11.0 |
| Horse, fat | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts | 0.1 |
| Leaf petioles subgroup 4B | 3.5 |
| Mango | 0.7 |
| Milk | 0.02 |
| Nut, tree, group 14 | 0.04 |
| Oat, forage | 0.3 |
| Oat, grain | 0.05 |
| Oat, hay | 0.3 |
| Oat, straw | 5.0 |
| Papaya | 0.7 |
| Peanut, hay | 4.0 |
| Peanut | 0.05 |
| Pistachio | 0.04 |
| Potato | 0.04 |
| Poultry, fat | 0.04 |
| Poultry, meat | 0.04 |
| Poultry, meat byproducts | 0.04 |
| Radish, tops | 10 |
| Rice, grain | 3.5 |
| Rice, hulls | 8 |
| Rice, straw | 7.5 |
| Sapodilla | 0.7 |
| Sapote, black | 0.7 |
| Sapote, mamey | 0.7 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts | 0.1 |
| Soybean, forage | 10.0 |
| Soybean, hay | 25.0 |
| Soybean, seed | 0.08 |
| Star apple | 0.7 |
| Strawberry | 1.1 |
| Vegetable, cucurbit, group 9 | 0.50 |
| Vegetable, fruiting | 0.5 |
| Vegetable, root, except sugar beet, subgroup 1B | 0.1 |
| Vegetable, root, except sugar beet, subgroup 1B, except radish | 0.10 |
| Wheat, bran | 0.15 |
| Wheat, forage | 0.3 |
| Wheat, grain | 0.05 |
| Wheat, hay | 0.2 |
| Wheat, straw | 5.0 |

[1] There are no U.S. registrations as of September 27, 1999 for use on banana.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[64 FR 51907, Sept. 27, 1999, as amended at 65 FR 44453, July 18, 2000; 67 FR 35924, May 22, 2002; 68 FR 53304, Sept. 10, 2003; 70 FR 36532, June 24, 2005; 71 FR 15604, Mar. 29, 2006; 71 FR 55319, Sept. 22, 2006; 72 FR 53445, Sept. 19, 2007; 73 FR 57, Jan. 2, 2008; 75 FR 33195, June 11, 2010]

### § 180.556 Pymetrozine; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide pymetrozine 1,2,4-triazin-3(2H)-one,4,5-dihydro-6-methyl-4-[(3-pyridinylmethylene) amino] in or on the following raw agricultural commodities. The tolerance level for each commodity is expressed in terms of the parent insecticide only, which serves as an indicator of the use of pymetrozine on these raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.04 |
| Brassica, head and stem, subgroup 5A | 0.5 |
| Brassica, leafy greens, subgroup 5B | 0.25 |
| Cotton, gin byproducts | 2.0 |
| Cotton, undelinted seed | 0.3 |
| Hop, dried cones | 6.0 |
| Pecan | 0.02 |
| Turnip, greens | 0.25 |
| Vegetable, fruiting, group 8 | 0.2 |
| Vegetable, cucurbit, group 9 | 0.1 |
| Vegetable, leafy, execpt brassica, group 4 | 0.6 |
| Vegetable, tuberous and corm, subgroup 1C | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 48634, Aug. 9, 2000, as amended at 66 FR 14846, Mar. 14, 2001; 66 FR 66794, Dec. 27, 2001; 70 FR 7047, Feb. 10, 2005; 70 FR 43298, July 27, 2005]

### § 180.557 Tetraconazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide, tetraconazole, 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1*H*-1,2,4-triazole in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Aspirated grain fractions | 1.0 |
| Beet sugar, dried pulp | 0.15 |
| Beet sugar, molasses | 0.15 |
| Beet sugar, root | 0.05 |
| Cattle, fat | 0.02 |
| Cattle, liver | 0.20 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts (except liver) | 0.01 |
| Eggs | 0.02 |
| Goat, fat | 0.02 |
| Goat, liver | 0.20 |
| Goat, meat | 0.01 |
| Goat, meat byproducts (except liver) | 0.01 |
| Grape | 0.20 |
| Hog, fat | 0.01 |
| Hog, liver | 0.05 |
| Hog, meat | 0.01 |
| Hog, meat byproducts (except liver) | 0.01 |
| Horse, fat | 0.02 |
| Horse, liver | 0.20 |
| Horse, meat | 0.01 |
| Horse, meat byproducts (except liver) | 0.01 |
| Milk | 0.01 |
| Milk, fat | 0.25 |
| Peanut | 0.03 |
| Peanut, oil | 0.10 |
| Pecan | 0.04 |
| Poultry, fat | 0.05 |
| Poultry, meat | 0.01 |
| Poultry meat byproducts | 0.01 |
| Sheep, fat | 0.02 |
| Sheep, liver | 0.20 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts (except liver) | 0.01 |
| Soybean, refined oil | 0.80 |
| Soybean, seed | 0.15 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[70 FR 20830, Apr. 22, 2005, as amended at 70 FR 31359, June 1, 2005; 72 FR 18134, Apr. 11, 2007; 73 FR 67406, Nov. 14, 2008]

### § 180.558 *N,N*-diethyl-2-(4-methylbenzyloxy)ethylamine hydrochloride; tolerances for residues.

(a) *General*. A tolerance for residues of the plant growth regulator *N,N*-diethyl-2-(4-methylenzyloxy)ethylamine hydrochloride in or on raw agricultural commodities is established as follows:

| Commodity | Parts per million |
|---|---|
| Orange, sweet | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 1814, Jan. 12, 2000]

### § 180.559 Clodinafop-propargyl; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of clodinafop-propargyl (propanoic acid, 2-[4-(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-,2-propynyl

ester, (2R)-) and its acid metabolite (propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, (2R)-), in or on wheat, grain at 0.1 ppm ; wheat, forage at 0.1 ppm; wheat, hay at 0.1 ppm; and wheat, straw at 0.50 ppm.

| Commodity | Parts per million |
|---|---|
| Wheat, forage | 0.1 |
| Wheat, grain | 0.1 |
| Wheat, hay | 0.1 |
| Wheat, straw | 0.5 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 38774, June 22, 2000]

### § 180.560 Cloquintocet-mexyl; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of cloquintocet-mexyl, (acetic acid [(5-chloro-8-quinolinyl)oxy]-,1-methylhexyl ester; CAS Reg. No. 99607–70–2) and its acid metabolite (5-chloro-8-quinolinoxyacetic acid), when used as an inert ingredient (safener) in pesticide formulations containing the active ingredients clodinafop-propargyl (wheat only), dicamba (wheat only), flucarbazone-sodium (wheat only), pinoxaden (wheat or barley), or pyroxsulum (wheat only) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.1 |
| Barley, hay | 0.1 |
| Barley, straw | 0.1 |
| Wheat, forage | 0.2 |
| Wheat, grain | 0.1 |
| Wheat, hay | 0.5 |
| Wheat, straw | 0.1 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 38764, June 22, 2000, as amended at 70 FR 74688, Dec. 16, 2005; 73 FR 11820, Mar. 5, 2008; 75 FR 16020, Mar. 31, 2010; 76 FR 38035, June 29, 2011]

### § 180.561 Acibenzolar-*S*-methyl; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of acibenzolar-S-methyl, benzo(1,2,3)thiadiazole-7-carbothioic acid-S-methyl ester, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Banana[1] | 0.1 |
| Spinach | 1.0 |
| Tomato, paste | 3.0 |
| Vegetable, brassica, leafy, group 5 | 1.0 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, leafy, group 4 | 0.25 |

[1]There are no United States registrations for banana.

(2) Tolerances are established for residues of acibenzolar-S-methyl, benzo(1,2,3)thiadiazole-7-carbothioic acid-S-methyl ester, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only those acibenzolar-S-methyl residues convertible to benzo(1,2,3)thiadiazole-7-carboxylic acid (CGA-210007), expressed as the stoichiometric equivalent of acibenzolar-S-methyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Onion, bulb, subgroup 3–07A | 0.1 |
| Vegetable, cucurbit, group 9 | 2.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 50446, Aug. 18, 2000, as amended at 70 FR 7861, Feb. 16, 2005; 71 FR 76200, Dec. 20, 2006; 74 FR 24710, May 26, 2009; 76 FR 34886, June 15, 2011]

### § 180.562 Flucarbazone-sodium; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the herbicide flucarbazone-sodium, 4,5-dihydro-3-methoxy-4-methyl-5-oxo-N-[[2(trifluoromethoxy)phenyl] sulfonyl]-1H-1,2,4-triazole 1-carboxamide, sodium salt) and its N-desmethyl metabolite; and its metabolites converted to 2-

(trifluoromethoxy)benzene sulfonamide and calculated as flucarbazone-sodium in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, liver | 1.50 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts, except liver | 0.01 |
| Goat, liver | 1.50 |
| Goat, meat | 0.01 |
| Goat, meat byproducts, except liver | 0.01 |
| Hog, liver | 1.50 |
| Hog, meat | 0.01 |
| Hog, meat byproducts, except liver | 0.01 |
| Horse, liver | 1.50 |
| Horse, meat | 0.01 |
| Horse, meat byproducts, except liver | 0.01 |
| Milk | 0.005 |
| Sheep, liver | 1.50 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts, except liver | 0.01 |
| Wheat, forage | 0.30 |
| Wheat, grain | 0.01 |
| Wheat, hay | 0.10 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertant residues.* [Reserved]

[70 FR 67915, Nov. 9, 2005, as amended at 71 FR 76931, Dec. 22, 2006]

## § 180.563 Ethametsulfuron-methyl; tolerances for residues.

(a) *General.* A tolerance is established for residues of ethametsulfuron methyl (methyl 2- ((((4-ethoxy-6-(methylamino)-1,3,5- triazin-2-yl) amino) carbonyl) amino) sulfonyl) benzoate) in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Canola, seed | 0.02 |
| Crambe, seed | 0.02 |
| Rapeseed, seed | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect of inadvertent residues.* [Reserved]

[65 FR 57972, Sept. 27, 2000, as amended at 66 FR 18207, Apr. 6, 2001; 67 FR 35050, May 17, 2002]

## § 180.564 Indoxacarb; tolerances for residues.

(a) *General.* Tolerances are established for residues of indoxacarb, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only indoxacarb, (S)-methyl 7-chloro-2,5-dihydro-2-[[(methoxycarbonyl)[4-(trifluoromethoxy) phenyl]amino]carbonyl]indeno[1,2-*e*][1,3,4][oxadiazine-4a(3*H*)-carboxylate, and its R-enantiomer, (R)-methyl 7-chloro-2,5-dihydro-2-[[(methoxycarbonyl) [4-(trifluoromethoxy) phenyl]amino]carbonyl]indeno[1,2-*e*][1,3,4][oxadiazine-4a(3*H*)-carboxylate.

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 3.0 |
| Alfalfa, forage | 10 |
| Alfalfa, hay | 50 |
| Beet, garden, roots | 0.30 |
| Beet, garden, tops | 6.0 |
| Bushberry subgroup 13–07B | 1.5 |
| Cattle, fat | 1.5 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.03 |
| Corn, sweet, forage | 10 |
| Corn, sweet, kernel plus cob with husk removed | 0.02 |
| Corn, sweet, stover | 15 |
| Cotton, gin byproducts | 15 |
| Cotton, undelinted seed | 2.0 |
| Cranberry | 0.90 |
| Fruit, pome, except pear, group 11 | 1.0 |
| Fruit, stone, group 12 | 0.90 |
| Goat, fat | 1.5 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.03 |
| Grain, aspirated fractions | 45 |
| Grape | 2.0 |
| Grape, raisin | 5.0 |
| Hog, fat | 1.5 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.03 |
| Horse, fat | 1.5 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.03 |
| Milk | 0.15 |
| Milk, fat | 4.0 |
| Okra | 0.50 |
| Pea, southern, seed | 0.10 |
| Peanut | 0.01 |
| Peanut, hay | 40 |
| Pear | 0.20 |
| Pear, oriental | 0.20 |
| Peppermint, tops | 11 |
| Sheep, fat | 1.5 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.03 |
| Soybean, hulls | 4.0 |
| Soybean, seed | 0.80 |
| Spearmint, tops | 11 |
| Turnip, greens | 12 |
| Vegetable, *Brassica*, leafy, group 5 | 12 |
| Vegetable, cucurbit, group 9 | 0.60 |
| Vegetable, fruiting, group 8 | 0.50 |
| Vegetable, leafy, except *Brassica*, group 4 | 14 |

| Commodity | Parts per million |
|---|---|
| Vegetable, tuberous and corm, subgroup 1-C | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 58424, Sept. 29, 2000, as amended at 67 FR 41807, June 19, 2002; 67 FR 47309, July 18, 2002; 67 FR 58730, Sept. 18, 2002; 68 FR 25830, May 14, 2003; 68 FR 27746, May 21, 2003; 69 FR 28842, May 19, 2004; 69 FR 29459, May 24, 2004; 69 FR 32282, June 9, 2004; 72 FR 37641, July 11, 2007; 74 FR 33165, July 10, 2009]

## § 180.565 Thiamethoxam; tolerances for residues.

(a) Tolerances are established for residues of the insecticide thiamethoxam, including its metabolites and degradates, in or on the following commodities. Compliance with the tolerance levels specified below is to be determined by measuring only thiamethoxam (3-[(2-chloro-5-thiazolyl)methyl]tetrahydro-5-methyl-*N*-nitro-4*H*-1,3,5-oxadiazin-4-imine) and its metabolite CGA-322704 [*N*-(2-chlorothiazol-5-ylmethyl)-*N*'-methyl-*N*'-nitroguanidine], calculated as the stoichiometric equivalent of thiamethoxam, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 1.2 |
| Artichoke, globe | 0.45 |
| Avocado | 0.40 |
| Barley, grain | 0.30 |
| Barley, hay | 0.40 |
| Barley, straw | 0.40 |
| Bean, succulent | 0.02 |
| Berry, low growing, subgroup 13-07G, except cranberry | 0.30 |
| Borage, seed | 0.02 |
| Brassica, head and stem, subgroup 5-A | 4.5 |
| Brassica, leafy greens, subgroup 5-B | 3.0 |
| Bushberry subgroup 13-07B, except lingonberry and blueberry, lowbush | 0.20 |
| Caneberry subgroup 13-07A | 0.35 |
| Canistel | 0.40 |
| Canola, seed | 0.02 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.04 |
| Citrus, dried pulp | 0.60 |
| ppm | |
| Coffee, bean, green [1] | 0.05 |
| Corn, field, forage | 0.10 |
| Corn, field, grain | 0.020 |
| Corn, field, stover | 0.05 |
| Corn, pop, forage | 0.10 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 0.05 |
| Corn, sweet, forage | 0.10 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Corn, sweet, stover | 0.05 |
| Cotton, gin byproducts | 1.5 |
| Cotton, undelinted seed | 0.10 |
| Crambe, seed | 0.02 |
| Cranberry | 0.02 |
| Flax, seed | 0.02 |
| Fruit, citrus, group 10 | 0.40 |
| Fruit, pome, group 11 | 0.2 |
| Fruit, small, vine climbing, subgroup 13-07F, except fuzzy kiwifruit | 0.20 |
| Fruit, stone, group 12 | 0.5 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.04 |
| Grain, aspirated fractions | 0.08 |
| Grape, raisin | 0.30 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Hop, dried cones | 0.10 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.04 |
| Mango | 0.40 |
| Milk | 0.02 |
| Mustard, seed | 0.02 |
| Nut, tree, group 14 | 0.02 |
| Onion, dry bulb | 0.03 |
| Papaya | 0.40 |
| Peppermint, tops | 1.5 |
| Pistachio | 0.02 |
| Potato | 0.25 |
| Radish, tops | 0.80 |
| Rapeseed, seed | 0.02 |
| Rice, grain | 0.02 |
| Safflower, seed | 0.02 |
| Sapodilla | 0.40 |
| Sapote, black | 0.40 |
| Sapote, mamey | 0.40 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.04 |
| Sorghum, forage | 0.02 |
| Sorghum, grain | 0.02 |
| Sorghum, grain, stover | 0.02 |
| Soybean, hulls | 2.0 |
| Spearmint, tops | 1.5 |
| Star apple | 0.40 |
| Sunflower | 0.02 |
| Tomato, paste | 0.80 |
| Vegetable, cucurbit, group 9 | 0.2 |
| Vegetable, fruiting, group 8 | 0.25 |
| Vegetable, leafy, except brassica, group 4 | 4.0 |
| Vegetable, legume, group 6 | 0.02 |
| Vegetable, root, subgroup 1A | 0.05 |
| Vegetable, tuberous and corm, except potato, subgroup 1D | 0.02 |
| Wheat, forage | 0.50 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.02 |
| Wheat, straw | 0.02 |

[1]There are no U.S. registrations as of September 17, 2003.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[65 FR 79762, Dec. 20, 2000]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.565, see the List of CFR

Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.566 Fenpyroximate; tolerances for residues.

(a) *General*. (1) Tolerances are established for combined residues of the insecticide fenpyroximate, (E)-1,1-dimethylethyl 4-[[[[(1,3-dimethyl- 5-phenoxy-1H-pyrazol-4-yl) methylene] amino]oxy]methyl] benzoate and its Z-isomer, (Z)-1,1-dimethylethyl 4-[[[[(1,3-dimethyl-5- phenoxy-1H-pyrazol-4-yl)methylene] amino]oxy] methyl]benzoate in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 3.0 |
| Berry, low growing, crop subgroup 13–07G | 1.0 |
| Citrus, dried pulp | 2.5 |
| Citrus, oil | 10 |
| Cotton, gin byproducts | 10 |
| Cotton, undelinted seed | 0.10 |
| Cucumber | 0.10 |
| Fruit, citrus, group 10 | 0.60 |
| Fruit, pome, group 11 | 0.40 |
| Grape | 1.0 |
| Hop, dried cones | 10 |
| Melon subgroup 9A | 0.10 |
| Nut, tree, group 14 | 0.10 |
| Okra | 0.20 |
| Peppermint, tops | 7.0 |
| Pistachio | 0.10 |
| Spearmint, tops | 7.0 |
| Vegetable, fruiting, group 8 | 0.20 |

(2) Tolerances are established for combined residues of the insecticide fenpyroximate, (E)-1,1-dimethylethyl 4-[[[[(1,3-dimethyl-5 -phenoxy-1H-pyrazol-4-yl) methylene] amino]oxy]methyl] benzoate and its metabolites, (E)-4- [(1,3-dimethyl-5-phenoxypyrazol-4-yl)-methylene aminooxymethyl]benzoic acid and (E)-1,1-dimethylethyl-2-hydroxyethyl 4-[[[[(1,3-dimethyl -5-phenoxy-1H-pyrazol-4-yl) methylene]amino]oxy]methyl] benzoate, calculated as the parent compound in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.03 |
| Cattle, meat | 0.03 |
| Cattle, meat byproducts, except kidney and liver | 0.03 |
| Goat, fat | 0.03 |
| Goat, meat | 0.03 |
| Goat, meat byproducts, except kidney and liver | 0.03 |
| Horse, fat | 0.03 |
| Horse, meat | 0.03 |
| Horse, meat byproducts, except kidney and liver | 0.03 |
| Milk | 0.015 |
| Sheep, fat | 0.03 |
| Sheep, meat | 0.03 |
| Sheep, meat byproducts, except kidney and liver | 0.03 |

(3) Tolerances are established for combined residues of the insecticide fenpyroximate, (E)-1,1-dimethylethyl 4-[[[[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl) methylene]amino]oxy]methyl] benzoate and its metabolite, (E)-4-[(1,3-dimethyl-5-phenoxypyrazol-4-yl)-methylene aminooxymethyl]benzoic acid, calculated as the parent compound in the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, kidney | 0.25 |
| Cattle, liver | 0.25 |
| Goat, kidney | 0.25 |
| Goat, liver | 0.25 |
| Horse, kidney | 0.25 |
| Horse, liver | 0.25 |
| Sheep, kidney | 0.25 |
| Sheep, liver | 0.25 |

(b) *Section 18 emergency exemptions*. Time-limited tolerance is established for the combined residues of fenpyroximate, (E)-1,1-dimethylethyl 4-[[[(E)-[(1,3-dimethyl-5-phenoxy-1H-pyrazol-4-yl) methylene] amino]oxy] methyl]benzoate in or on honey at 0.10 ppm. This tolerance expires and is revoked on the date specified in the following table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Honey | 0.10 | 12/31/13 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[66 FR 18568, Apr. 10, 2001, as amended at 69 FR 32464, June 10, 2004; 71 FR 49368, Aug. 23, 2006; 72 FR 26321, May 9, 2007; 74 FR 37617, July 29, 2009; 74 FR 63079, Dec. 2, 2009; 75 FR 80346, Dec. 22, 2010]

### § 180.567 Zoxamide; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of zoxamide (3,5-dichloro-*N*-(3-chloro-1-ethyl-1-methyl-

2-oxopropyl)-4-methylbenzamide) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 3.0 |
| Grape, raisin | 15.0 |
| Tomato | 2.0 |
| Vegetable, cucurbit, group 9 | 1.0 |

(2) Tolerances are established for the combined residues of zoxamide and its metabolites 3,5-dichloro-1,4-benzenedicarboxylic acid (RH–1455 and RH–141455) and 3,5-dichloro-4-hydroxymethylbenzoic acid (RH–1452 and RH–141452) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Potato | 0.060 |
| Potato, granules/flakes | 0.30 |
| Potato, wet peel | 0.10 |

(b) *Section 18 emergency exemptions*. A time-limited tolerance is established for residues of the fungicide zoxamide (3,5-dichloro-N-(3-chloro-1-ethyl-1-methyl-2-oxopropyl)-4-methylbenzamide) in connection with use of the pesticide under a section 18 emergency exemption granted by EPA. The tolerance will expire and is revoked on the date specified in the following table.

| Commodity | Parts per million | Revocation date |
|---|---|---|
| Ginseng | 0.06 | 12/31/10 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[66 FR 18733, Apr. 11, 2001, as amended at 66 FR 49118, Sept. 26, 2001; 69 FR 16805, Mar. 31, 2004; 71 FR 31104, June 1, 2006; 71 FR 76200, Dec. 20, 2006; 75 FR 770, Jan. 6, 2010]

## § 180.568 Flumioxazin; tolerances for residues.

(a) *General*. Tolerances are established for residues of flumioxazin, 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2*H*-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1*H*-isoindole-1,3(2*H*)-dione, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only flumioxazin.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 3.0 |
| Alfalfa, hay | 8.0 |
| Almond, hulls | 0.70 |
| Asparagus | 0.02 |
| Bean, dry seed | 0.05 |
| Bushberry subgroup 13–07B | 0.02 |
| Corn, field, forage | 0.02 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.02 |
| Cotton, gin byproducts | 0.60 |
| Cotton, undelinted seed | 0.02 |
| Fish, freshwater | 1.5 |
| Fruit, pome, group 11 | 0.02 |
| Fruit, stone, group 12 | 0.02 |
| Garlic | 0.02 |
| Grape | 0.02 |
| Hop, dried cones | 0.05 |
| Leaf petioles subgroup 4B | 0.02 |
| Nut, tree, group 14 | 0.02 |
| Okra | 0.02 |
| Onion, bulb | 0.02 |
| Peanut | 0.02 |
| Peppermint, tops | 0.04 |
| Pistachio | 0.02 |
| Shallot, bulb | 0.02 |
| Soybean, seed | 0.02 |
| Spearmint, tops | 0.04 |
| Strawberry | 0.07 |
| Sugarcane, cane | 0.20 |
| Vegetable, cucurbit, group 9 | 0.03 |
| Vegetable, fruiting, group 8 | 0.02 |
| Vegetable, tuberous and corm, subgroup 1C | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[66 FR 19878, Apr. 18, 2001, as amended at 68 FR 51471, Aug. 27, 2003; 69 FR 16831, Mar. 31, 2004; 69 FR 52198, Aug. 25, 2004; 71 FR 25956, May 3, 2006; 71 FR 61413, Oct. 18, 2006; 73 FR 11831, Mar. 5, 2008; 73 FR 39251, July 9, 2008; 75 FR 8265, Feb. 24, 2010; 75 FR 69009, Nov. 10, 2010]

## § 180.569 Forchlorfenuron; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the plant growth regulator forchlorfenuron; *N*-(2-chloro-4-pyridinyl)-*N'*phenyl urea in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Bushberry subgroup 13–07B | 0.01 |
| Grape | 0.03 |
| Grape, raisin | 0.06 |
| Kiwifruit | 0.04 |

(2) Time-limited tolerances are established for residues of the plant growth regulator forchlorfenuron; *N*-(2-chloro-4-pyridinyl)-*N′*-phenylurea in or on the food commodities:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Almond | 0.01 | 12/31/11 |
| Almond, hulls | 0.15 | 12/31/11 |
| Cherry, sweet | 0.01 | 12/31/11 |
| Fig | 0.01 | 12/31/11 |
| Pear | 0.01 | 12/31/11 |
| Pistachio | 0.01 | 12/31/11 |
| Plum, prune, fresh | 0.01 | 12/31/11 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional restrictions.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[66 FR 22936, May 7, 2001, as amended at 69 FR 48805, Aug. 11, 2004; 69 FR 58322, Sept. 30, 2004; 73 FR 47846, Aug. 15, 2008]

## § 180.570 Isoxadifen-ethyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of isoxadifen-ethyl (ethyl 5,5-diphenyl-2-isoxazoline-3-carboxylate, (CAS No. 163520–33–0), and its metabolite: 4,5-dihydro-5,5-diphenyl-3-isoxazolecarboxylic acid, when used as an inert ingredient (safener) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.20 |
| Corn, field, grain | 0.08 |
| Corn, field, stover | 0.40 |
| Corn, oil | 0.50 |
| Corn, pop, grain | 0.04 |
| Corn, pop, stover | 0.25 |
| Corn, sweet, forage | 0.30 |
| Corn, sweet, kernel plus cob with husk removed | 0.04 |
| Corn, sweet, stover | 0.45 |

(2) Tolerances are established for the residues of isoxadifen-ethyl (3-isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester (CAS No. 164520–33–0)), and its metabolites 4,5-dihydro-5,5-diphenyl-3-isoxazolecarboxylic acid and β-hydroxy-β-benzenepropanenitrile when used as an inert ingredient (safener) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Rice, grain | 0.10 |
| Rice, hulls | 0.50 |
| Rice, straw | 0.25 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[66 FR 33187, June 21, 2001, as amended at 66 FR 40141, Aug. 2, 2001; 67 FR 12878, Mar. 20, 2002; 69 FR 29890, May 26, 2004; 72 FR 63997, Nov. 14, 2007]

## § 180.571 Mesotrione; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide mesotrione, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only mesotrione, 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Asparagus | 0.01 |
| Berry, group 13 | 0.01 |
| Corn, field, forage | 0.01 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.01 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.01 |
| Corn, sweet, forage | 0.5 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 1.5 |
| Cranberry | 0.02 |
| Flax, seed | 0.01 |
| Grass, forage | 0.01 |
| Grass, hay | 0.01 |
| Grass, seed screenings | 0.10 |
| Grass, straw | 0.10 |
| Lingonberry | 0.01 |
| Millet, forage | 0.01 |
| Millet, grain | 0.01 |
| Millet, hay | 0.02 |
| Millet, straw | 0.02 |
| Oat, forage | 0.01 |
| Oat, grain | 0.01 |
| Oat, hay | 0.01 |
| Oat, straw | 0.01 |
| Okra | 0.01 |
| Rhubarb | 0.01 |
| Sorghum, grain, forage | 0.01 |
| Sorghum, grain, grain | 0.01 |
| Sorghum, grain, stover | 0.01 |
| Sorghum, sweet | 0.01 |
| Soybean, seed | 0.01 |
| Sugarcane, cane | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[66 FR 33195, June 21, 2001, as amended at 67 FR 45656, July 10, 2002; 68 FR 273, Jan. 3, 2003; 69 FR 58310, Sept. 30, 2004; 70 FR 14551, Mar. 23, 2005; 72 FR 71802, Dec. 19, 2007; 73 FR 1512, Jan. 9, 2008; 73 FR 9226, Feb. 20, 2008; 74 FR 67123, Dec. 18, 2009; 76 FR 34886, June 15, 2011]

## § 180.572 Bifenazate; tolerance for residues.

(a) *General.* (1) Tolerances are established for residues of bifenazate (1-methylethyl 2-(4-methoxy[1,1′-biphenyl]-3-yl)hydrazinecarboxylate) including its metabolites and degradates, in or on the commodities listed in the following table. Compliance with the tolerance levels specified are to be determined by measuring only the sum of bifenazate and its metabolite diazinecarboxylic acid, 2-(4-methoxy-[1,1′-biphenyl]-3-yl), 1-methylethyl ester (expressed as bifenazate) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.90 |
| Almond, hulls | 15 |
| Apple, wet pomace | 1.2 |
| Atemoya | 1.6 |
| Avocado | 7.0 |
| Bean, dry seed | 0.60 |
| Berry, low-growing subgroup 13–07G | 1.5 |
| Biriba | 1.6 |
| Black sapote | 7.0 |
| Caneberry subgroup 13-07A | 5.0 |
| Canistel | 7.0 |
| Cattle, fat | 0.10 |
| Cherimoya | 1.6 |
| Cotton, gin byproducts | 35 |
| Cotton, undelinted seed | 0.75 |
| Custard apple | 1.6 |
| Feijoa | 0.90 |
| Fruit, pome, group 11 | 0.75 |
| Fruit, small, vine climbing subgroup 13–07F, except fuzzy kiwifruit | 1.0 |
| Fruit, stone, group 12, except plum | 2.5 |
| Goat, fat | 0.10 |
| Grape | 0.75 |
| Grape, raisin | 1.2 |
| Guava | 0.9 |
| Hog, fat | 0.10 |
| Hop, dried cones | 15 |
| Horse, fat | 0.10 |
| Jaboticaba | 0.90 |
| Ilama | 1.6 |
| Longan | 5.0 |
| Lychee | 5.0 |
| Mango | 7.0 |
| Nut, tree, group 14 | 0.20 |
| Okra | 2.0 |
| Papaya | 7.0 |
| Passionfruit | 0.90 |
| Pea and bean, succulent shelled, subgroup 6B | 0.70 |
| Peppermint, tops | 25 |
| Pistachio | 0.20 |
| Plum | 0.20 |
| Pulasan | 5.0 |
| Rambutan | 5.0 |
| Sapodilla | 7.0 |
| Sapote, mamey | 7.0 |
| Sheep, fat | 0.10 |
| Soursop | 1.6 |
| Soybean, succulent shelled | 0.70 |
| Spanish lime | 5.0 |
| Spearmint, tops | 25 |
| Star apple | 7.0 |
| Starfruit | 0.90 |
| Strawberry | 1.5 |
| Sugar apple | 1.6 |
| Vegetable, cucurbit, group 9 | 0.75 |
| Vegetable, fruiting, group 8 | 2.0 |
| Vegetable, legume, edible-podded, subgroup 6A | 6.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.10 |
| Wax jambu | 0.90 |

(2) Tolerances are established for residues of bifenazate (1-methylethyl 2-(4-methoxy[1,1′-biphenyl]-3-yl) hydrazinecarboxylate) including its metabolites and degradates, in or on the commodities listed in the following table. Compliance with the tolerance levels specified are to be determined by measuring only the sum of bifenazate and its metabolites diazinecarboxylic acid, 2-(4-methoxy-[1,1′-biphenyl]-3-yl), 1-methylethyl ester (expressed as bifenazate); 1,1′-biphenyl, 4-ol; and 1,1′-biphenyl, 4-oxysulfonic acid (expressed as 1,1′-biphenyl, 4-ol) in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.02 |
| Hog, meat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.02 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.02 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of bifenazate (1-methylethyl 2-(4-methoxy[1,1′-biphenyl]-3-yl)hydrazinecarboxylate) including its metabolites and degradates in connection with use of

the pesticide under section 18 emergency exemptions granted by EPA. Compliance with the tolerance levels specified in the following table are to be determined by measuring only the sum of bifenazate and its metabolite diazinecarboxylic acid, 2-(4-methoxy-[1,1′-biphenyl]-3-yl), 1-methylethyl ester (expressed as bifenazate). The tolerances will expire and are revoked on the dates specified in the following table.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Timothy, forage | 50 | 12/31/13 |
| Timothy, hay | 150 | 12/31/13 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[66 FR 34569, June 29, 2001, as amended at 66 FR 42772, Aug. 15, 2001; 67 FR 4922, Feb. 1, 2002; 67 FR 46884, July 17, 2002; 68 FR 55502, Sept. 26, 2003; 69 FR 5297, Feb. 4, 2004; 70 FR 4037, Jan. 28, 2005; 70 FR 74695, Dec. 16, 2005; 71 FR 51505, Aug. 30, 2006; 72 FR 71802, Dec. 19, 2007; 73 FR 11837, Mar. 5, 2008; 74 FR 48412, Sept. 23, 2009; 74 FR 68167, Dec. 23, 2009; 75 FR 53593, Sept. 1, 2010; 75 FR 80346, Dec. 22, 2010]

## § 180.573 Tepraloxydim; tolerances for residues.

(a) *General*. (1) Tolerances are established for the residues of tepraloxydim (2-[1-[[[(2E)-3-chloro-2-propenyl]oxy]imino]propyl]-3-hydroxy-5-(tetrahydro-2H-pyran-4-yl)-cyclohexene-1-one) and its metabolites convertible to GP (3-(tetrahydropyran-4-yl)pentane-1,5-dioic acid) and OH-GP (3-hydroxy-3-(tetrahydropyran-4-yl)pentane-1,5-dioic acid), calculated as tepraloxydim in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Cotton, undelinted seed | 0.2 |
| Cotton, gin byproducts | 3.0 |
| Flax, seed | 0.10 |
| Grain, aspirated fraction | 1200.0 |
| Lentil, seed | 0.10 |
| Pea, dry, seed | 0.10 |
| Soybean, seed | 6.0 |
| Soybean, hulls | 8.0 |

(2) Tolerances are established for the combined residues of tepraloxydim and its metabolites convertible to GP, OH-GP, and GL (3-(2-oxotetrahydropyran-4-yl)-1,5-dioic acid), calculated as tepraloxydim in or on the following commodities

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.15 |
| Cattle, kidney | 0.50 |
| Cattle, meat | 0.20 |
| Cattle, meat byproducts, except kidney | 0.20 |
| Egg | 0.20 |
| Goat, fat | 0.15 |
| Goat, kidney | 0.50 |
| Goat, meat | 0.20 |
| Goat, meat byproducts, except kidney | 0.20 |
| Hog, fat | 0.15 |
| Hog, kidney | 0.50 |
| Hog, meat | 0.20 |
| Hog, meat byproducts, except kidney | 0.20 |
| Horse, fat | 0.15 |
| Horse, kidney | 0.50 |
| Horse, meat | 0.20 |
| Horse, meat byproducts, except kidney | 0.20 |
| Milk | 0.10 |
| Poultry, fat | 0.30 |
| Poultry, liver | 1.00 |
| Poultry, meat | 0.20 |
| Poultry, meat byproducts, except liver | 0.20 |
| Sheep, fat | 0.15 |
| Sheep, kidney | 0.50 |
| Sheep, meat | 0.20 |
| Sheep, meat byproducts, except kidney | 0.20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. A tolerance with regional registration, as defined in §180.1(l) is established for the combined residues of tepraloxydim and its metabolites convertible to GP and OH-GP, calculated as tepraloxydim in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Canola, seed | 0.50 |

(d) *Indirect or inadvertent residues*. [Reserved]

[66 FR 40150, Aug. 2, 2001 as amended at 72 FR 54588, Sept. 26, 2007; 76 FR 34885, June 15, 2011]

## § 180.574 Fluazinam; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of fluazinam (3-chloro-*N*-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine), including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only fluazinam.

| Commodity | Parts per million |
|---|---|
| Apple | 2.0 |
| Apple, wet pomace | 5.0 |
| Bushberry subgroup 13-07B | 7.0 |
| Carrot, roots | 0.70 |
| Ginseng | 4.5 |
| Lettuce, head | 0.02 |
| Lettuce, leaf | 2.0 |
| Onion, bulb, subgroup 3-07A | 0.20 |
| Pea and bean, dried shelled, except soybean, subgroup 6C, except pea | 0.02 |
| Pea and bean, succulent shelled, subgroup 6B, except pea | 0.04 |
| Peanut | 0.02 |
| Potato | 0.02 |
| Turnip, greens | 0.01 |
| Vegetable, Brassica leafy, group 5 | 0.01 |
| Vegetable, legume, edible-podded, subgroup 6A, except pea | 0.10 |

(2) Tolerances are established for residues of fluazinam, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only fluazinam and its metabolite AMGT (3-[[4-amino-3-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]amino]-2-nitro-6-(trifluoromethyl) phenyl]thio]-2-(beta-D-glucopyranosyloxy) propionic acid).

| Commodity | Parts per million |
|---|---|
| Grape, wine [1] | 3.0 |

[1] No US registration as of March 15, 2002.

(3) Tolerances are established for residues of fluazinam (3-chloro-*N*-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine), including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only fluazinam, AMPA (2-(6-amino-3-chloro-α,α,α-trifluoro-2-nitro-p-toluidino)-3-chloro-5-(trifluoromethyl) pyridine), DAPA (3-chloro-2-(2,6-diamino-3-chloro-α,α,α.-trifluoro-p-toluidino)-5-(trifluoromethyl)pyridine), and their sulfamate conjugates.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[66 FR 46738, Sept. 7, 2001, as amended at 67 FR 19130, Apr. 18, 2002; 72 FR 60260, Oct. 24, 2007; 75 FR 26667, May 12, 2010; 76 FR 3029, Jan. 19, 2011]

## § 180.575 Sulfuryl fluoride; tolerances for residues.

(a)(1) *General.* Tolerances are established for residues of sulfuryl fluoride in or on the following commodities from the postharvest fumigation with sulfuryl fluoride for the control of insects:

| Commodity | Parts per million |
|---|---|
| All processed food commodities not otherwise listed | 2.0 |
| Barley, bran, postharvest | 0.05 |
| Barley, flour, postharvest | 0.05 |
| Barley, grain, postharvest | 0.1 |
| Barley, pearled barley, postharvest | 0.05 |
| Cacao bean, roasted bean, postharvest | 0.2 |
| Cattle, meat, dried | 0.01 |
| Cheese | 2.0 |
| Coconut, postharvest | 1.0 |
| Coffee, bean, roasted bean, postharvest | 1.0 |
| Corn, field, flour, postharvest | 0.01 |
| Corn, field, grain, postharvest | 0.05 |
| Corn, field, grits, postharvest | 15.0 |
| Corn, field, meal, postharvest | 0.01 |
| Corn, pop, grain, postharvest | 0.05 |
| Cotton, undelinted seed, postharvest | 0.5 |
| Egg, dried | 1.0 |
| Fruit, dried, postharvest | 0.05 |
| Ginger, postharvest | 0.5 |
| Grain, aspirated fractions, postharvest | 0.05 |
| Herbs and spices group 19, postharvest | 0.5 |
| Hog, meat | 0.02 |
| Milk, powdered | 2.0 |
| Millet, grain, postharvest | 0.1 |
| Nut, pine, postharvest | 0.2 |
| Nut, tree, Group 14, postharvest | 3.0 |
| Oat, flour, postharvest | 0.05 |
| Oat, grain, postharvest | 0.1 |
| Oat, groats/rolled oats, postharvest | 0.1 |
| Peanut, postharvest | 0.5 |
| Pistachio, postharvest | 3.0 |
| Rice, bran, postharvest | 0.01 |
| Rice, flour, postharvest | 0.05 |
| Rice, grain, postharvest | 0.04 |
| Rice, hulls, postharvest | 0.1 |
| Rice, polished rice, postharvest | 0.01 |
| Rice, wild, grain, postharvest | 0.05 |
| Sorghum, grain, grain, postharvest | 0.1 |
| Triticale, grain, postharvest | 0.1 |
| Vegetable, legume, group 6, postharvest | 0.5 |
| Wheat, bran, postharvest | 0.05 |

| Commodity | Parts per million |
|---|---|
| Wheat, flour, postharvest | 0.05 |
| Wheat, germ, postharvest | 0.02 |
| Wheat, grain, postharvest | 0.1 |
| Wheat, milled byproducts, postharvest | 0.05 |
| Wheat, shorts, postharvest | 0.05 |

(2) To assure safe use of this pesticide commodities treated with sulfuryl fluoride must be aerated for at least 24 hours prior to entering commerce.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect or inadvertant residues.* [Reserved]

[67 FR 5740, Feb. 7, 2002, as amended at 69 FR 3257, Jan. 23, 2004; 70 FR 40908, July 15, 2005]

### § 180.576 Cyhalofop-butyl; tolerances for residues.

(a) *General.* Time-limited tolerances are established for combined residues of cyhalofop (cyhalofop-butyl, R-(+)-n-butyl-2-(4(4-cyano-2-fluorophenoxy)-phenoxy)propionate, plus cyhalofop acid, R-(+)-2-(4(4-cyano-2-fluorophenoxy)-phenoxy)propionic acid) and the di-acid metabolite, (2R)-4-[4-(1-carboxyethoxy)phenoxy]-3-fluorobenzoic acid, from the application of the herbicide cyhalofop-butyl in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Rice, grain | 0.03 |
| Rice, wild, grain | 0.03 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 43256, June 27, 2002, as amended at 74 FR 15880, Apr. 8, 2009]

### § 180.577 Bispyribac-sodium; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide bispyribac-sodium, including its metabolites and degradates, in or on the commodity listed below. Compliance with the tolerance level specified below is to be determined by measuring only bispyribac-sodium, (2,6-bis[(4,6-dimethoxy-2-pyrimidinyl)oxy]benzoic acid, sodium salt), in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Fish, freshwater | 0.01 |
| Rice, grain | 0.02 |
| Rice, straw | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[66 FR 48097, Sept. 18, 2001, as amended at 76 FR 5716, Feb. 2, 2011]

### § 180.578 Acetamiprid; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide acetamiprid *N*1-[(6-chloro-3-pyridyl)methyl]-*N*2-cyano-*N*1-methylacetamidine, including its metabolites and degradates, in or on the commodities in the table below as a result of the application of acetamiprid. Compliance with the tolerance levels specified below is to be determined by measuring only acetamiprid in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 5.0 |
| Berry, low growing subgroups 13–07G | 0.60 |
| Bushberry subgroup 13–07B | 1.6 |
| Caneberry subgroup 13–07A | 1.6 |
| Canola, seed | 0.010 |
| Citrus, dried pulp | 1.20 |
| Cotton, gin byproducts | 20.0 |
| Cotton, undelinted seed | 0.60 |
| Fruit, citrus, group 10 | 0.50 |
| Fruit, pome, group 11 | 1.0 |
| Fruit, small, vine climbing, except fuzzy kiwifruit, subgroup 13-07F | 0.35 |
| Fruit, stone, group 12, except plum, prune | 1.20 |
| Mustard, seed | 0.010 |
| Nut, tree, group 14 | 0.10 |
| Onion, bulb, subgroup 3–07A | 0.02 |
| Onion, green, subgroup 3–07B | 4.5 |
| Pea and bean, succulent shelled, subgroup 6B | 0.40 |
| Pistachio | 0.10 |
| Plum, prune, dried | 0.40 |
| Plum, prune, fresh | 0.20 |
| Tea, dried[1] | 50.0 |
| Tomato, paste | 0.40 |
| Vegetable, brassica, leafy, group 5 | 1.20 |
| Vegetable, cucurbit, group 9 | 0.50 |
| Vegetable, fruiting, group 8 | 0.20 |
| Vegetable, leafy, except brassica, group 4 | 3.00 |
| Vegetable, legume, edible podded, subgroup 6A | 0.60 |

| Commodity | Parts per million |
|---|---|
| Vegetable, tuberous and corm, group 1 | 0.01 |

[1]There are no U.S. registrations as of February 10, 2010, for the use of acetamiprid on dried tea.

(2) Tolerances are established for residues of the insecticide acetamiprid *N*1-[(6-chloro-3-pyridyl)methyl]-*N*2-cyano-*N*1-methylacetamidine, including its metabolites and degradates, in or on the commodities in the table below as a result of the application of acetamiprid. Compliance with the tolerance levels specified below is to be determined by measuring acetamiprid and *N*1-[(6-chloro-3-pyridyl)methyl]-*N*2-cyano-acetamidine in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.20 |
| Egg | 0.010 |
| Goat, fat | 0.10 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.20 |
| Hog, fat | 0.10 |
| Hog, meat | 0.10 |
| Hog, meat byproducts | 0.20 |
| Horse, fat | 0.10 |
| Horse, meat | 0.10 |
| Horse, meat byproducts | 0.20 |
| Milk | 0.10 |
| Poultry, fat | 0.010 |
| Poultry, liver | 0.050 |
| Poultry, meat | 0.010 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.20 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* Tolerances with regional registrations are established for residues of the insecticide acetamiprid *N*1-[(6-chloro-3-pyridyl)methyl]-*N*2- cyano-*N*1-methylacetamidine, including its metabolites and degradates, in or on the commodities in the table below as a result of the application of acetamiprid. Compliance with the tolerance levels specified below is to be determined by measuring only acetamiprid in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Clover, forage | 0.10 |
| Clover, hay | 0.01 |

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 14659, Mar. 27, 2002, as amended at 68 FR 52352, Sept. 3, 2003; 70 FR 19293, Apr. 13, 2005; 72 FR 67262, Nov. 28, 2007; 73 FR 2811, Jan. 16, 2008; 75 FR 6582, Feb. 10, 2010]

## § 180.579 Fenamidone; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of fenamidone (4H-Imidazol-4-one, 3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3 (phenylamino)-, (S)-) from the application of the fungicide fenamidone on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 5.0 |
| Brassica, leafy greens, subgroup 5B | 55 |
| Cilantro, leaves | 60 |
| Cotton, gin byproducts | 0.02 |
| Cotton, undelinted seed | 0.02 |
| Garlic | 0.20 |
| Garlic, great headed | 0.20 |
| Leek | 1.5 |
| Okra | 3.5 |
| Onion, bulb | 0.20 |
| Onion, green | 1.5 |
| Onion, welsh | 1.5 |
| Pepper, nonbell | 3.5 |
| Shallot, bulb | 0.20 |
| Shallot, fresh leaves | 1.5 |
| Sunflower | 0.02 |
| Tomato, paste | 2.2 |
| Tomato, puree | 2.0 |
| Turnip, greens | 55 |
| Vegetable, cucurbit, group 9 | 0.15 |
| Vegetable, fruiting, group 8, except nonbell pepper | 1.0 |
| Vegetable, leafy, except Brassica, group 4 | 60 |
| Vegetable, root, except sugar beet, subgroup 1B, except radish | 0.15 |
| Vegetable, tuberous and corm, subgroup 1C | 0.02 |

(2) Tolerances are established for the combined residues of fenamidone (4H-imidazol-4-one, 3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino), (S)-) and its metabolite RPA 717879 (2,4-imidazolidinedione, 5-methyl-5-phenyl), expressed as parent compound, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.10 |
| Goat, fat | 0.10 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.10 |
| Milk | 0.02 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.10 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* A tolerance with regional registration as defined in §180.1(l) is established for residues of fenamidone, 4*H*-Imidazol-4-one, 3,5-dihydro-5-methyl-2-(methylthio)-5-phenyl-3-(phenylamino)-, (S)-, in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Grape[1] | 1.0 |

[1] Applicable to grapes grown East of the Rocky Mountains.

(d) *Indirect or inadvertent residues.* Tolerances are established for residues of the fungicide fenamidone (4-H-imidazol-4-one, 3,5-dihydro-5-methyl-2-(methlthio)-5-phenyl-3-(phenylamino, (S)-) and its metabolite RPA 717879 (2,4-imidazolidinedione, 5-methyl-5-phenyl) in or on the following agricultural commodities when present therein as a result of application of fenamidone to the crops in paragraph (a)(1).

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.25 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.40 |
| Corn, sweet, forage | 0.15 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Corn, sweet, stover | 0.20 |
| Soybean, forage | 0.15 |
| Soybean, hay | 0.25 |
| Soybean, seed | 0.02 |
| Strawberry | 0.15 |
| Wheat, grain | 0.10 |
| Wheat, hay | 0.50 |
| Wheat, forage | 0.15 |
| Wheat, straw | 0.35 |

[67 FR 60976, Sept. 27, 2002, as amended at 69 FR 58066, Sept. 29, 2004; 71 FR 55293, Sept. 22, 2006; 72 FR 60272, Oct. 24, 2007; 74 FR 34257, July 15, 2009; 76 FR 34885, June 15, 2011]

## § 180.580 Iodosulfuron-Methyl-Sodium; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide *Iodosulfuron-Methyl-Sodium (methyl 4-iodo-2-[3-(4-methoxy-6-methyl-1,3,5 triazin-2-yl)ureidosulfonyl]benzoate, sodium salt*) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.03 |
| Corn, field, stover | 0.05 |
| Wheat, forage | 0.10 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.05 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 57532, Sept. 11, 2002, as amended at 74 FR 23644, May 20, 2009]

## § 180.581 Iprovalicarb; tolerances for residues.

(a) *General.* Tolerances are established for residues of iprovalicarb, [2-methyl-1[[[(1S)-(4-methylphenyl) ethyl] amino]carbonyl] propyl]carbamic acid methylethylester, in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Grape[1] | 2.0 |
| Tomato[1] | 1.0 |

[1]There is no U.S. registration as of September 1, 2005.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[67 FR 54359, Aug. 22, 2002, as amended at 70 FR 55281, Sept. 21, 2005]

## § 180.582 Pyraclostrobin; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the fungicide pyradostrobin, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of pyraclostrobin (carbamic acid, [2-[[[ 1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy] methyl]phenyl]methoxy-, methyl ester) and its desmethoxy metabolite (methyl-N-[[[1-(4-chlorophenyl)-1H-pyrazol-3-

yl]oxy]methyl] phenylcarbamate), calculated as the stoichiometric equivalent of pyraclostrobin, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 10 |
| Alfalfa, hay | 30 |
| Almond, hulls | 7.0 |
| Apple, wet pomace | 8.0 |
| Avocado | 0.6 |
| Banana | 0.04 |
| Barley, grain | 1.4 |
| Barley, hay | 25 |
| Barley, straw | 6.0 |
| Bean, succulent shelled | 0.5 |
| Beet, sugar, dried pulp | 1.0 |
| Beet, sugar, roots | 0.2 |
| Beet, sugar, tops | 8.0 |
| Berry, group 13 | 4.0 |
| Borage, seed | 0.45 |
| Brassica, head and stem, subgroup 5A | 5.0 |
| Brassica, leafy greens, subgroup 5B | 16.0 |
| Canistel | 0.6 |
| Castor oil plant, seed | 0.45 |
| Chinese tallowtree, seed | 0.45 |
| Citrus, dried pulp | 12.5 |
| Citrus, oil | 9.0 |
| Coffee, bean, green | 0.3[1] |
| Corn, field, forage | 5.0 |
| Corn, field, grain | 0.1 |
| Corn, field, refined oil | 0.2 |
| Corn, field, stover | 17.0 |
| Corn, pop, grain | 0.1 |
| Corn, pop, stover | 17.0 |
| Corn, sweet, forage | 5.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.04 |
| Corn, sweet, stover | 23.0 |
| Cotton, gin byproducts | 30 |
| Cotton, undelinted seed | 0.3 |
| Crambe, seed | 0.45 |
| Cuphea, seed | 0.45 |
| Echium, seed | 0.45 |
| Euphorbia, seed | 0.45 |
| Evening primrose, seed | 0.45 |
| Flax, seed | 0.45 |
| Fruit, citrus, group 10 | 2.0 |
| Fruit, pome, group 11 | 1.5 |
| Fruit, stone, group 12 | 2.5 |
| Gold of pleasure, seed | 0.45 |
| Grain, aspirated fractions | 2.5 |
| Grape | 2.0 |
| Grape, raisin | 7.0 |
| Grass, forage | 10 |
| Grass, hay | 4.5 |
| Grass, seed screenings | 27 |
| Grass, straw grown for seed | 14 |
| Hare's ear mustard, seed | 0.45 |
| Hop, dried cones | 23.0 |
| Jojoba, seed | 0.45 |
| Lesquerella, seed | 0.45 |
| Lunaria, seed | 0.45 |
| Mango | 0.6 |
| Meadowfoam, seed | 0.45 |
| Milkweed, seed | 0.45 |
| Mustard, seed | 0.45 |
| Niger seed, seed | 0.45 |
| Nut, tree, group 14 | 0.04 |
| Oat, grain | 1.2 |
| Oat, hay | 18 |
| Oat, straw | 15 |
| Oil radish, seed | 0.45 |
| Papaya | 0.6 |
| Pea, succulent | 0.2 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.5 |
| Peanut | 0.05 |
| Peanut, refined oil | 0.1 |
| Peppermint, tops | 8.0 |
| Pistachio | 0.7 |
| Poppy, seed | 0.45 |
| Radish, tops | 16 |
| Rapeseed, seed | 0.45 |
| Rose hip, seed | 0.45 |
| Rye, grain | 0.04 |
| Rye, straw | 0.5 |
| Safflower, seed | 0.45 |
| Sapodilla | 0.6 |
| Sapote, black | 0.6 |
| Sapote, mamey | 0.6 |
| Sesame, seed | 0.45 |
| Sorghum, grain, forage | 5.0 |
| Sorghum, grain, grain | 0.60 |
| Sorghum, grain, stover | 0.80 |
| Soybean, forage | 11 |
| Soybean, hay | 14 |
| Soybean, hulls | 0.06 |
| Soybean, seed | 0.04 |
| Spearmint, tops | 8.0 |
| Star apple | 0.6 |
| Stokes aster, seed | 0.45 |
| Strawberry | 1.2 |
| Sunflower, seed | 0.45 |
| Sweet rocket, seed | 0.45 |
| Tallowwood, seed | 0.45 |
| Tea oil plant, seed | 0.45 |
| Vegetable, bulb, group 3 | 0.9 |
| Vegetable, cucurbit, group 9 | 0.5 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 25.0 |
| Vegetable, fruiting, group 8 | 1.4 |
| Vegetable, leafy, except brassica, group 4 | 29.0 |
| Vegetable, leaves of root and tuber, group 2, except sugar beet | 16.0 |
| Vegetable, legume, edible podded, subgroup 6A | 0.5 |
| Vegetable, root, except sugar beet, subgroup 1B | 0.4 |
| Vegetable, tuberous and corm, subgroup 1C | 0.04 |
| Vegetables, foliage of legume, group 7 | 25 |
| Vernonia, seed | 0.45 |
| Wheat, grain | 0.02 |
| Wheat, hay | 6.0 |
| Wheat, straw | 8.5 |

[1] There is no U.S. registration on coffee, bean, green as of September 30, 2009.

(2) Tolerances are established for combined residues of the fungicide pyraclostrobin carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl]phenyl]methoxy-, methyl ester and its metabolites convertible to 1-(4-chlorophenyl)-1H-pyrazol-3-ol and 1-(4-chloro-2-hydroxyphenyl)-1H-pyrazol-3-ol, expressed as parent compound, in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |

| Commodity | Parts per million |
|---|---|
| Cattle, liver | 1.5 |
| Cattle, meat | 0.1 |
| Cattle, meat byproducts, except liver | 0.2 |
| Goat, fat | 0.1 |
| Goat, liver | 1.5 |
| Goat, meat | 0.1 |
| Goat, meat byproducts, except liver | 0.2 |
| Hog, fat | 0.1 |
| Hog, liver | 1.5 |
| Hog, meat | 0.1 |
| Hog, meat byproducts, except liver | 0.2 |
| Horse, fat | 0.1 |
| Horse, liver | 0.1 |
| Horse, meat | 0.1 |
| Horse, meat byproducts, except liver | 0.2 |
| Milk | 0.1 |
| Poultry, eggs | 0.10 |
| Poultry, fat | 0.10 |
| Poultry, meat | 0.10 |
| Poultry, meat byproducts | 0.10 |
| Sheep, fat | 0.1 |
| Sheep, liver | 1.5 |
| Sheep, meat | 0.1 |
| Sheep, meat byproducts, except liver | 0.2 |

(b) *Section 18 emergency exemptions*. A time-limited tolerance is established for combined residues of the fungicide pyraclostrobin, (carbamic acid, [2-[[[1-(4-chlorophenyl)-1H-pyrazol-3-yl]oxy]methyl] phenyl]methoxy-, methyl ester) and its desmethoxy metabolite (methyl-N-[[[1-(4-chlorophenyl) pyrazol-3-yl]oxy]o-tolyl]carbamate) in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The time-limited tolerance will expire and is revoked on the date specified in the following table.

| Commodity | Parts per million | Expiration/ Revocation Date |
|---|---|---|
| Endive, Belgian | 11.0 | 12/31/13 |
| Sugarcane, cane | 0.02 | 12/31/11 |
| Sugarcane, molasses | 0.4 | 12/31/11 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[67 FR 60901, Sept. 27, 2002, as amended at 69 FR 63100, Oct. 29, 2004; 71 FR 17021, Apr. 5, 2006; 72 FR 54569, Sept. 26, 2007; 73 FR 15431, Mar. 24, 2008; 73 FR 21842, Apr. 23, 2008; 73 FR 44167, July 30, 2008; 74 FR 11499, Mar. 18, 2009; 74 FR 51496, Oct. 7, 2009; 75 FR 770, Jan. 6, 2010; 75 FR 42329, July 21, 2010; 75 FR 80346, Dec. 22, 2010]

## § 180.583 Triticonazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide triticonazole, (1RS)-(E)-5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol, from the treatment of seed prior to planting in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Grain, cereal, forage, fodder and straw, group 16, except rice | 0.10 |
| Grain, cereal, group 15, except rice | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[67 FR 60959, Sept. 27, 2002, as amended at 75 FR 4288, Jan. 27, 2010]

## § 180.584 Tolylfluanid; tolerances for residues.

(a) *General*. Tolerances are established for residues of tolylfluanid, 1,1-dichloro-N-[(dimethylamino)-sulfonyl]-1-fluoro-N-(4-methylphenyl)methanesulfenamide in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Apple [1] | 5.0 |
| Grape [1] | 11 |
| Hop, dried cones [1] | 30 |
| Tomato [1] | 2.0 |

[1] No U.S. registration as of August 31, 2002.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[67 FR 60141, Sept. 25, 2002]

## § 180.585 Pyraflufen-ethyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide, pyraflufen-ethyl, including its metabolites and degradates, in the commodities in the table below. Compliance with the tolerance levels specified

below is to be determined by measuring pyraflufen-ethyl, ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1*H*-pyrazol-3-yl)-4-fluorophenoxyacetate, and its acid metabolite, *E*-1, 2-[2-chloro-5-(4-chloro-5-(difluoromethoxy)-1-methyl-1*H*-pyrazol-3-yl)-4-fluorophenoxy]acetic acid, in or on the commodity:

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Almond, hulls | 0.02 | None. |
| Cattle, meat byproducts | 0.02 | 10/15/12 |
| Corn, field, forage | 0.01 | None |
| Corn, field, grain | 0.01 | None |
| Corn, field, stover | 0.01 | None |
| Cotton, gin byproducts | 1.5 | None |
| Cotton, undelinted seed | 0.04 | None |
| Fruit, pome, group 11–10 | 0.01 | None. |
| Fruit, stone, group 12 | 0.01 | None. |
| Grape | 0.01 | None. |
| Goat, meat byproducts | 0.02 | 10/15/12 |
| Grass, forage, group 17 | 1.0 | None |
| Grass, hay, group 17 | 1.4 | None |
| Horse, meat byproducts | 0.02 | 10/15/12 |
| Milk | 0.02 | 10/15/12 |
| Nut, tree, group 14 | 0.01 | None |
| Olive | 0.01 | None |
| Pistachio | 0.01 | None |
| Pomegranate | 0.01 | None |
| Potato | 0.02 | None |
| Sheep, meat byproducts | 0.02 | 10/15/12 |
| Soybean, forage | 0.05 | None |
| Soybean, hay | 0.10 | None |
| Soybean, seed | 0.01 | None |
| Wheat, forage | 0.02 | None |
| Wheat, grain | 0.01 | None |
| Wheat, hay | 0.01 | None |
| Wheat, straw | 0.01 | None |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 23055, Apr. 30, 2003, as amended at 68 FR 27739, May 21, 2003; 69 FR 26312, May 12, 2004; 73 FR 51743, Sept. 5, 2008; 76 FR 31484, June 11, 2011]

### § 180.586 Clothianidin; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide clothianidin, including its metabolites and degradates. Compliance with the tolerance levels specified below is to be determined by measuring only clothianidin, (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 1.5 |
| Beet, sugar, dried pulp | 0.03 |
| Beet, sugar, molasses | 0.05 |
| Beet, sugar, roots | 0.02 |
| Berry, low-growing, subgroup 13-07H, except strawberry | 0.01 |
| Canola, seed | 0.01 |
| Cotton, gin byproducts | 4.5 |
| Cotton, undelinted seed | 0.20 |
| Fig | 0.05 |
| Fruit, pome | 1.0 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, forage | 0.35 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, hay | 0.07 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, stover | 0.1 |
| Grain, cereal, forage, fodder and straw, group 16, except rice, straw | 0.05 |
| Grain, cereal, group 15, except rice | 0.01 |
| Grape | 0.60 |
| Milk | 0.01 |
| Mustard, seed | 0.01 |
| Nut, tree, group 14 | 0.01 |
| Peach | 0.80 |
| Pomegranate | 0.20 |
| Potato, chips | 0.6 |
| Potato, granules/flakes | 1.5 |
| Soybean, seed | 0.02 |
| Vegetable, brassica, leafy, group 5 | 1.9 |
| Vegetable, bulb, group 3-07 | 0.45 |
| Vegetable, cucurbit, group 9 | 0.06 |
| Vegetable, fruiting, group 8 | 0.20 |
| Vegetable, leafy, except brassica, group 4 | 3.0 |
| Vegetable, root, except sugar beet, subgroup 1B | 0.8 |
| Vegetable, tuberous and corm, subgroup 1C | 0.3 |

(2) Time-limited tolerances are established for residues of the insecticide clothianidin, including its metabolites and degradates. Compliance with the tolerance levels specified below is to be determined by measuring only clothianidin, (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine, in or on the following raw agricultural commodity:

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Rice, seed | 0.01 | 6/23/12 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect and inadvertant residues*. Tolerances are established for the indirect or inadvertent residues of the insecticide clothianidin, including its metabolites and degradates. Compliance with the tolerance levels specified below is to be determined by measuring only clothianidin, (E)-1-(2-chloro-1,3-

thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine, in or on the following raw agricultural commodities when present therein as a result of the application of clothianidin to crops listed in paragraph (a) of this section:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18 | 0.02 |
| Grass, forage, fodder and hay, group 17 | 0.02 |
| Soybean, forage | 0.02 |
| Soybean, hay | 0.02 |

[74 FR 65028, Dec. 9, 2009, as amended at 76 FR 7718, Feb. 11, 2011; 76 FR 25246, May 4, 2011; 76 FR 34886, June 15, 2011]

### § 180.587 Famoxadone; tolerance for residues.

(a) *General*. Tolerances are established for residues of the fungicide famoxadone (3-anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Caneberry subgroup 13–07A | 10 |
| Cattle, fat | 0.02 |
| Cattle, liver | 0.05 |
| Cilantro, leaves | 25 |
| Goat, fat | 0.02 |
| Goat, liver | 0.05 |
| Grape, raisin [1] | 4.0 |
| Hop, dried cone | 80 |
| Horse, fat | 0.02 |
| Horse, liver | 0.05 |
| Milk, fat (reflecting negligible residues in whole milk) | 0.06 |
| Onion, bulb, subgroup 3–07A | 0.45 |
| Onion, green, subgroup 3–07B | 40 |
| Potato | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, liver | 0.05 |
| Spinach | 50 |
| Tomato | 1.0 |
| Vegetable, cucurbit, group 9 | 0.30 |
| Vegetable, fruiting, group 8, except tomato | 4.0 |
| Vegetable, leafy, except Brassica, group 4, except spinach | 25 |

[1] There are no U.S. registrations as of May 15, 2003.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with a regional registrations*. Tolerances with a regional registration as defined in § 180.1(l) are established for the residues of the fungicide famoxadone, 3-anilino-5-methyl-5-(4-phenoxyphenyl)-1,3-oxazolidine-2,4-dione) in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 2.5 |

(d) *Indirect or inadvertant residues*. [Reserved]

[68 FR 39471, July 2, 2003, as amended at 72 FR 28881, May 23, 2007; 74 FR 9364, Mar. 4, 2009; 76 FR 34885, June 15, 2011]

### § 180.588 Quinoxyfen; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide quinoxyfen, 5,7-dichloro-4-(4-fluorophenoxy)quinoline in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 1.4 |
| Fruit, stone, group 12 | 0.70 |
| Hop, dried cones | 3.0 |
| Gourd, edible | 0.20 |
| Grape | 0.60 |
| Lettuce, head | 7.0 |
| Lettuce, leaf | 19 |
| Melon, subgroup 9A | 0.08 |
| Pepper, bell | 0.35 |
| Pepper, nonbell | 1.7 |
| Pumpkin | 0.20 |
| Squash, winter | 0.20 |
| Strawberry | 0.90 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[68 FR 55858, Sept. 29, 2003, as amended at 70 FR 4032, Jan. 28, 2005; 71 FR 50354, Aug. 25, 2006; 74 FR 14743, Apr. 1, 2009]

### § 180.589 Boscalid; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the fungicide boscalid, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only boscalid, 3-pyridinecarboxamide, 2-chloro-*N*-(4′-chloro[1,1'-biphenyl]-2-yl), in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 30.0 |

| Commodity | Parts per million |
|---|---|
| Alfalfa, hay | 65.0 |
| Almond, hulls | 17 |
| Apple, wet pomace | 10 |
| Avocado | 1.5 |
| Banana, import [1] | 0.40 |
| Brassica, head and stem, subgroup 5A | 3.0 |
| Brassica, leafy greens, subgroup 5B | 18.0 |
| Bushberry, subgroup 13B | 13.0 |
| Caneberry, subgroup13A | 6.0 |
| Canistel | 1.5 |
| Canola, refined oil | 5.0 |
| Canola, seed | 3.5 |
| Citrus, dried pulp | 4.5 |
| Citrus, oil | 85.0 |
| Coffee, green bean, import [1] | 0.05 |
| Cotton, gin byproducts | 55.0 |
| Cotton, undelinted seed | 1.0 |
| Cucumber | 0.5 |
| Fruit, citrus, group 10 | 1.6 |
| Fruit, pome, group 11 | 3.0 |
| Fruit, stone, group 12 | 3.5 |
| Grain, aspirated fractions | 3.0 |
| Grape | 3.5 |
| Grape, raisin | 8.5 |
| Hop, dried cones | 35 |
| Leaf petioles subgroup 4B | 45 |
| Leafy greens subgroup 4A, except head lettuce and leaf lettuce | 60 |
| Lettuce, head | 6.5 |
| Lettuce, leaf | 11.0 |
| Mango | 1.5 |
| Nut, tree, group 14 | 0.70 |
| Papya | 1.5 |
| Pea and bean, dried shelled, except soybean, subgroup 6C, except cowpea, field pea and grain lupin | 2.5 |
| Pea and bean, succulent shelled, subgroup 6B, except cowpea | 0.6 |
| Peanut | 0.05 |
| Peanut, meal | 0.15 |
| Peanut, refined oil | 0.15 |
| Peppermint, tops | 30.0 |
| Pistachio | 0.70 |
| Sapodilla | 1.5 |
| Sapote, black | 1.5 |
| Sapote, mamey | 1.5 |
| Soybean, hulls | 0.2 |
| Soybean, seed | 0.1 |
| Soybean, vegetable | 2.0 |
| Spearmint, tops | 30.0 |
| Star apple | 1.5 |
| Strawberry | 4.5 |
| Sunflower, seed | 0.60 |
| Vegetable, bulb, group 3 | 3.0 |
| Vegetable, cucurbit, group 9, except cucumber | 1.6 |
| Vegetable, fruiting, group 8 | 1.2 |
| Vegetable, legume, edible podded, subgroup 6A | 1.6 |
| Vegetable, root, subgroup 1A, except sugar beet, garden beet, radish, and turnip | 1.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.05 |

[1] No US registrations as of September 16, 2009.

(2) Tolerances are established for residues of the fungicide boscalid, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of boscalid, 3-pyridinecarboxamide, 2-chloro-*N*-(4'-chloro[1,1'-biphenyl]-2-yl), and metabolites 2-chloro-*N*-(4'-chloro-5-hydroxy-biphenyl-2-yl) nicotinamide and glucuronic acid conjugate of 2-chloro-*N*-(4′-chloro-5-hydroxy-biphenyl-2-yl) nicotinamide, calculated as the stoichiometric equivalent of boscalid in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.30 |
| Cattle, meat | 0.10 |
| Cattle, meat byproducts | 0.35 |
| Egg | 0.02 |
| Goat, fat | 0.30 |
| Goat, meat | 0.10 |
| Goat, meat byproducts | 0.35 |
| Hog, fat | 0.20 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.10 |
| Horse, fat | 0.30 |
| Horse, meat | 0.10 |
| Horse, meat byproducts | 0.35 |
| Milk | 0.10 |
| Poultry, fat | 0.20 |
| Poultry, meat | 0.05 |
| Poultry, meat byproducts | 0.20 |
| Sheep, fat | 0.30 |
| Sheep, meat | 0.10 |
| Sheep, meat byproducts | 0.35 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the fungicide boscalid, including its metabolites and degradates, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. Compliance with the tolerance level specified below is to be determined by measuring only boscalid, 3-pyridinecarboxamide, 2-chloro-*N*-(4′-chloro[1,1'-biphenyl]-2-yl). This tolerance will expire and is revoked on the date specified in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Endive, Belgian | 16 | 12/31/13 |

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent residues of the fungicide boscalid, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only boscalid, 3-pyridinecarboxamide, 2-chloro-*N*-(4′-chloro[1,1'-biphenyl]-2-yl), in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Animal feed, nongrass, group 18, forage, except alfalfa | 1.0 |
| Animal feed, nongrass, group 18, hay, except alfalfa | 2.0 |
| Animal feed, nongrass, group 18, seed | 0.05 |
| Beet, garden, roots | 0.1 |
| Beet, sugar, roots | 0.1 |
| Cotton, gin byproducts | 0.30 |
| Cotton, undelinted seed | 0.05 |
| Cowpea, seed | 0.1 |
| Flax, seed | 3.5 |
| Grain, cereal, forage, fodder and straw, group 16, forage | 2.0 |
| Grain, cereal, forage, fodder and straw, group 16, stover | 1.5 |
| Grain, cereal, forage, fodder and straw, group 16, straw | 3.0 |
| Grain, cereal, group 15 | 0.20 |
| Grass, forage, fodder, and hay, group 17, forage | 2.0 |
| Grass, forage, fodder, and hay, group 17, hay | 8.0 |
| Grass, forage, fodder, and hay, group 17, seed screenings | 0.20 |
| Grass, forage, fodder, and hay, group 17, straw | 0.30 |
| Lupin, grain, grain | 0.1 |
| Pea, field, seed | 0.1 |
| Radish, roots | 0.1 |
| Rice, hulls | 0.50 |
| Turnip, roots | 0.1 |
| Vegetable, foliage of legume, group 7, forage | 1.5 |
| Vegetable, foliage of legume, group 7, hay | 2.0 |
| Vegetable, foliage of legume, group 7, vines | 0.05 |
| Vegetable, leafy, except brassica, group 4, except celery, lettuce and spinach | 1.0 |
| Vegetable, leaves of root and tuber, group 2 | 0.1 |

[68 FR 44651, July 30, 2003, as amended at 69 FR 19774, Apr. 14, 2004; 70 FR 55293, Sept. 21, 2005; 71 FR 6364, Feb. 8, 2006; 71 FR 25961, May 3, 2006; 71 FR 76190, Dec. 20, 2006; 73 FR 16558, Mar. 28, 2008; 74 FR 47445, Sept. 16, 2009; 75 FR 770, Jan. 6, 2010; 75 FR 29907, May 28, 2010; 75 FR 80346, Dec. 22, 2010]

### § 180.590 2, 6-Diisopropylnaphthalene (2, 6-DIPN); tolerances for residues.

(a) *General*. (1) Time-limited tolerances are established for combined residues of 2,6-DIPN, including its metabolites and degradates, in or on the commodities in the table below as a result of the post-harvest application of 2,6-DIPN to potatoes, when 2,6-DIPN is used in accordance with good agricultural practices. Compliance with the tolerance levels specified below is to be determined by measuring only 2,6-DIPN in or on the commodities.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Potato, granules/flakes | 5.5 | 5/18/12 |
| Potato, wet peel | 6.0 | 5/18/12 |
| Potato, whole | 2.0 | 5/18/12 |

(2) Time-limited tolerances are established for combined residues of 2,6-DIPN, including its metabolites and degradates, in or on the commodities in the table below as a result of the post-harvest application of 2,6-DIPN to potatoes, when 2,6-DIPN is used in accordance with good agricultural practices. Compliance with the tolerance levels specified below is to be determined by measuring only 2,6-DIPN and the metabolites M14, M19, M27, and M29 in or on the commodities.

| Commodity | Parts per million | Revocation/expiration date |
|---|---|---|
| Cattle, fat | 1.0 | 5/18/12 |
| Cattle, liver | 0.5 | 5/18/12 |
| Cattle, meat | 0.2 | 5/18/12 |
| Cattle, meat byproducts | 0.4 | 5/18/12 |
| Goat, fat | 1.0 | 5/18/12 |
| Goat, liver | 0.5 | 5/18/12 |
| Goat, meat | 0.2 | 5/18/12 |
| Goat, meat byproducts | 0.4 | 5/18/12 |
| Hog, fat | 1.0 | 5/18/12 |
| Hog, liver | 0.5 | 5/18/12 |
| Hog, meat | 0.2 | 5/18/12 |
| Hog, meat byproducts | 0.4 | 5/18/12 |
| Horse, fat | 1.0 | 5/18/12 |
| Horse, liver | 0.5 | 5/18/12 |
| Horse, meat | 0.2 | 5/18/12 |
| Horse, meat byproducts | 0.4 | 5/18/12 |
| Milk, fat | 0.5 | 5/18/12 |
| Sheep, fat | 1.0 | 5/18/12 |
| Sheep, liver | 0.5 | 5/18/12 |
| Sheep, meat | 0.2 | 5/18/12 |
| Sheep, meat byproducts | 0.4 | 5/18/12 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 52011, Sept. 1, 2006, as amended at 74 FR 66579, Dec. 16, 2009]

### § 180.591 Trifloxysulfuron; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide trifloxysulfuron, *N*-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(2,2,2-trifluoroethoxy)-2-pyridinesulfonamide in or on the following raw agricultural commodities.

| Commodity | Parts per million |
|---|---|
| Almond | 0.02 |
| Almond, hulls | 0.01 |
| Fruit, citrus, Group 10 | 0.03 |
| Cotton, undelinted seed | 0.05 |
| Cotton, gin byproducts | 1.0 |

| Commodity | Parts per million |
|---|---|
| Sugarcane | 0.01 |
| Tomato | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 54386, Sept. 17, 2003]

### § 180.592 Butafenacil; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide butafenacil, (1,1-dimethyl-2-oxo-2-(2-propenyloxy)ethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl] benzoate) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 10 |
| Cotton, undelinted seed | 0.50 |

(2) Tolerances are established for residues of the herbicide butafenacil, (1,1-dimethyl-2-oxo-2-(2-propenyloxy)ethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl] benzoate) and its metabolite CGA-293731 (1-carboxy-1-methylethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl] benzoate), in or on the following livestock commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, kidney | 0.05 |
| Cattle, liver | 0.50 |
| Goat, kidney | 0.05 |
| Goat, liver | 0.50 |
| Hog, kidney | 0.05 |
| Hog, liver | 0.50 |
| Horse, kidney | 0.05 |
| Horse, liver | 0.50 |
| Sheep, kidney | 0.05 |
| Sheep, liver | 0.50 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect and inadvertant residues.* [Reserved]

[68 FR 54827, Sept. 19, 2003]

### § 180.593 Etoxazole; tolerances for residues.

(a) *General.* Tolerances are established for residues of etoxazole, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only etoxazole (2-(2,6-difluorophenyl)-4-[4-(1,1-dimethylethyl)-2-ethoxyphenyl]-4,5-dihydrooxazole) in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.0 |
| Apple, wet pomace | 0.50 |
| Avocado | 0.20 |
| Berry, low growing, subgroup 13–07G | 0.50 |
| Caneberry subgroup 13–07A | 1.5 |
| Canistel | 0.20 |
| Cattle, fat | 0.02 |
| Cattle, liver | 0.01 |
| Cotton, gin byproducts | 1.0 |
| Cotton, undelinted seed | 0.05 |
| Fruit, pome, group 11 | 0.20 |
| Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13–07F | 0.50 |
| Fruit, stone, group 12, except plum | 1.0 |
| Goat, fat | 0.02 |
| Goat, liver | 0.01 |
| Grape, raisin | 1.5 |
| Hop, dried cones | 7.0 |
| Horse, fat | 0.02 |
| Horse, liver | 0.01 |
| Mango | 0.20 |
| Melon subgroup 9A | 0.20 |
| Milk, fat | 0.01 |
| Nut, tree, group 14 | 0.01 |
| Papaya | 0.20 |
| Pepper/eggplant subgroup 8–10B | 0.20 |
| Peppermint, oil | 20 |
| Peppermint, tops | 10 |
| Pistachio | 0.01 |
| Plum | 0.15 |
| Plum, prune, dried | 0.30 |
| Sapodilla | 0.20 |
| Sapote, black | 0.20 |
| Sapote, mamey | 0.20 |
| Sheep, fat | 0.02 |
| Sheep, liver | 0.01 |
| Spearmint, oil | 20 |
| Spearmint, tops | 10 |
| Squash/cucumber subgroup 9B | 0.02 |
| Star apple | 0.20 |
| Tangerine [1] | 0.10 |
| Tea, dried * | 15 |
| Tomato | 0.20 |

[1] There are no U.S. registrations for use of etoxazole on tangerines as of September 26, 2003.

* There are currently no U.S. registrations for tea as of April 13, 2011.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect and inadvertant residues.* [Reserved]

[68 FR 55493, Sept. 26, 2003, as amended at 70 FR 41625, July 20, 2005; 72 FR 72963, Dec. 26, 2007; 74 FR 25160, May 27, 2009; 76 FR 20542, Apr. 13, 2011]

### § 180.594 Thiacloprid; tolerances for residues.

(a) *General.* Tolerances for combined residues of the insecticide thiacloprid ([3-[(6-chloro-3-pyridinyl)methyl]-2-thiazolidinylidene] cyanamide) and metabolites retaining the thiazolidine ring intact, measured and expressed in terms of thiacloprid, *per se*, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 0.60 |
| Cattle, fat | 0.020 |
| Cattle, kidney | 0.050 |
| Cattle, liver | 0.15 |
| Cattle, meat | 0.030 |
| Cattle, meat byproducts | 0.050 |
| Cotton, gin byproducts | 11.0 |
| Cotton, undelinted seed | 0.020 |
| Fruit, pome, group 11 | 0.30 |
| Goat, fat | 0.020 |
| Goat, kidney | 0.050 |
| Goat, liver | 0.15 |
| Goat, meat | 0.030 |
| Goat, meat byproducts | 0.050 |
| Horse, fat | 0.020 |
| Horse, kidney | 0.050 |
| Horse, liver | 0.15 |
| Horse, meat | 0.030 |
| Horse, meat byproducts | 0.050 |
| Milk | 0.030 |
| Sheep, fat | 0.020 |
| Sheep, kidney | 0.050 |
| Sheep, liver | 0.15 |
| Sheep, meat | 0.030 |
| Sheep, meat byproducts | 0.050 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 55512, Sept. 26, 2003]

### § 180.595 Flufenpyr-ethyl; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide, flufenpyr-ethyl; acetic acid, [2-chloro-4-fluoro-5-[5-methyl-6-oxo-4-(trifluoromethyl)-1-(6H)-pyridazinyl]-phenoxy]-ethyl ester], in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, grain | 0.01 |
| Soybean, seed | 0.01 |
| Sugarcane, cane | 0.01 |

(2) Tolerances are established for residues of the herbicide flufenpyr-ethyl; acetic acid, [2-chloro-4-fluoro-5-[5-methyl-6-oxo-4-(trifluoromethyl)-1-(6H)-pyridazinyl]-phenoxy]-ethyl ester], and its metabolite, S-3153 acid-4-OH; [2-chloro-4-hydroxy-5-[5-methyl-6- oxo-4-(trifluoromethyl)-1-(6H)-pyridazinyl]-phenoxy]-acetic acid, free and conjugated, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.05 |
| Corn, field, stover | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[68 FR 54842, Sept. 19, 2003]

### § 180.596 Fosthiazate; tolerances for residues.

(a) *General.* A tolerance is established for residues of the insecticide fosthiazate, including its metabolites and degradates, in or on the commodity in the table in this paragraph. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only the sum of fosthiazate, *O*-ethyl *S*-(1-methylpropyl)(2-oxo-3-thiazolidinyl)phosphonothioate, and its metabolite, *O*-ethyl *S*-(1-methylpropyl)(2-(methylsulfonyl)ethyl) phosphoramidothioate, calculated as the stoichiometric equivalent of fosthiazate, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Tomato | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[69 FR 18275, Apr. 7, 2004, as amended at 76 FR 23498, Apr. 27, 2011]

### § 180.597 Mesosulfuron-methyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide mesosulfuron-methyl, (methyl 2-[[[[(4,6-dimethoxy-2-pyrimidinyl) amino]carbonyl]amino]sulfonyl] -4-[[(methylsulfonyl)amino] methyl]benzoate]) in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.01 |
| Goat, meat byproducts | 0.01 |
| Grain, aspirated fractions | 0.60 |
| Horse, meat byproducts | 0.01 |
| Sheep, meat byproducts | 0.01 |
| Wheat, forage | 0.60 |
| Wheat, germ | 0.10 |
| Wheat, grain | 0.03 |
| Wheat, hay | 0.06 |
| Wheat, straw | 0.30 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[69 FR 18263, Apr. 7, 2004]

### § 180.598 Novaluron; tolerances for residues.

(a) *General.* Tolerances are established for residues of the insecticide novaluron, including its metabolites and degradates, in or on the following commodities. Compliance with the tolerance levels specified in the following table is to be determined by measuring only novaluron, (*N*-[[[3-chloro-4-[1,1,2-trifluoro-2- (trifluoromethoxy)ethoxy] phenyl]amino]carbonyl]-2,6-difluorobenzamide), in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Apple, wet pomace | 8.0 |
| Bean, dry, seed | 0.30 |
| Bean, snap, succulent | 0.60 |
| Berry, low growing, subgroup 13-07G, except lowbush blueberry | 0.45 |
| Brassica, head and stem, subgroup 5A | 0.50 |
| Brassica, leafy greens, subgroup 5B | 25 |
| Bushberry subgroup 13-07B | 7.0 |
| Cattle, fat | 11 |
| Cattle, kidney | 1.0 |
| Cattle, liver | 1.0 |
| Cattle, meat | 0.60 |
| Cattle, meat byproducts, except kidney and liver | 0.60 |
| Cherry | 8.0 |
| Cocona | 1.0 |
| Cotton, gin byproducts | 30 |
| Cotton, undelinted seed | 0.60 |
| Egg | 1.5 |
| Eggplant, African | 1.0 |
| Eggplant, pea | 1.0 |
| Eggplant, scarlet | 1.0 |
| Fruit, pome, group 11 | 2.0 |
| Fruit, stone, group 12, except cherry | 1.9 |
| Goat, fat | 11 |
| Goat, kidney | 1.0 |
| Goat, liver | 1.0 |
| Goat, meat | 0.60 |
| Goat, meat byproducts except kidney and liver | 0.60 |
| Goji berry | 1.0 |
| Grain, aspirated fractions | 25 |
| Hog, fat | 1.5 |
| Hog, kidney | 0.10 |
| Hog, liver | 0.10 |
| Hog, meat | 0.07 |
| Hog, meat byproducts | 0.10 |
| Horse, fat | 11 |
| Horse, kidney | 1.0 |
| Horse, liver | 1.0 |
| Horse, meat | 0.60 |
| Horse, meat byproducts, except kidney and liver | 0.60 |
| Huckleberry, garden | 1.0 |
| Martynia | 1.0 |
| Milk | 1.0 |
| Milk, fat | 20 |
| Naranjilla | 1.0 |
| Okra | 1.0 |
| Plum, prune, dried | 2.6 |
| Poultry, fat | 7.0 |
| Poultry, kidney | 0.80 |
| Poultry, liver | 0.80 |
| Poultry, meat | 0.40 |
| Poultry, meat byproducts | 0.80 |
| Roselle | 1.0 |
| Sheep, fat | 11 |
| Sheep, kidney | 1.0 |
| Sheep, liver | 1.0 |
| Sheep, meat | 0.60 |
| Sheep, meat byproducts, except kidney and liver | 0.60 |
| Sorghum, grain, forage | 6.0 |
| Sorghum, grain, grain | 3.0 |
| Sorghum, grain, stover | 40 |
| Sugarcane, cane | 0.50 |
| Sunberry | 1.0 |
| Swiss chard | 12 |
| Tomato, bush | 1.0 |
| Tomato, currant | 1.0 |
| Tomato, tree | 1.0 |
| Turnip, greens | 25 |
| Vegetable, cucurbit, group 9 | 0.15 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.05 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the insecticide novaluron, including its metabolites and degradates, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA.

Compliance with the tolerance levels specified in the following table is to be determined by measuring only novaluron, (*N*-[[[3-chloro-4-[1,1,2-trifluoro-2-(trifluoromethoxy)ethoxy] phenyl]amino]carbonyl]-2,6-difluorobenzamide). These tolerances will expire and are revoked on the dates specified in the following table:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Strawberry | 0.50 | 12/31/11 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[69 FR 31021, June 2, 2004, as amended at 71 FR 17014, Apr. 5, 2006; 71 FR 61911, Oct. 20, 2006; 73 FR 74982, Dec. 10, 2008; 74 FR 637, Jan. 7, 2009; 74 FR 20891, May 6, 2009; 74 FR 65033, Dec. 9, 2009; 75 FR 4278, Jan. 27, 2010; 75 FR 29447, May 26, 2010]

## § 180.599 Acequinocyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of acequinocyl, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of acequinocyl [2-(acetyloxy)-3-dodecyl-1,4-naphthalenedione] and its metabolite, 2-dodecyl-3-hydroxy-1,4-naphthoquinone, calculated as the stoichiometric equivalent of acequinocyl, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 2.0 |
| Apple, wet pomace | 1.0 |
| Bean, edible podded | 0.25 |
| Cattle, fat | 0.02 |
| Cattle, liver | 0.02 |
| Citrus, oil | 30 |
| Fruit, citrus, group 10 | 0.20 |
| Fruit, pome, group 11 | 0.40 |
| Goat, fat | 0.02 |
| Goat, liver | 0.02 |
| Grape | 1.6 |
| Hop, dried cones | 4.0 |
| Horse, fat | 0.02 |
| Horse, liver | 0.02 |
| Nut, tree, group 14 | 0.02 |
| Okra | 0.70 |
| Pistachio | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, liver | 0.02 |
| Strawberry | 0.40 |
| Vegetable, fruiting, group 8 | 0.70 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 43533, July 21, 2004, as amended at 73 FR 17910, Apr. 2, 2008; 75 FR 70148, Nov. 17, 2010]

## § 180.600 Propoxycarbazone; tolerances for residues

(a) *General*. (1) Tolerances are established for combined residues of the herbicide propoxycarbazone methyl 2-[[[(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]benzoate and its metabolite methyl 2-[[[(4,5-dihydro-3-(2-hydroxypropoxy)-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]benzoate in/on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grass, forage | 20 |
| Grass, hay | 25 |
| Wheat, forage | 17 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.15 |
| Wheat, straw | 0.05 |

(2) Tolerances are established for residues of the herbicide propoxycarbazone methyl 2-[[[(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]benzoate in/on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.3 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.3 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.3 |
| Milk | 0.03 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.3 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 40781, July 7, 2004, as amended at 71 FR 52487, Sept. 6, 2006; 74 FR 9377, Mar. 4, 2009]

### § 180.601 Cyazofamid; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide cyazofamid, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of 4-chloro-2-cyano-*N*,*N*-dimethyl-5-(4-methylphenyl)-1*H*-imidazole-1-sulfonamide and its metabolite, 4-chloro-5-(4-methylphenyl)-1*H*-imidazole-2-carbonitrile, calculated as the stoichiometric equivalent of cyazofamid, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 1.2 |
| Brassica, leafy greens, subgroup 5B | 12.0 |
| Carrot, roots | 0.09 |
| Hop dried cones | 10.0 |
| Okra | 0.40 |
| Potato | 0.02 |
| Spinach | 9.0 |
| Turnip, greens | 12.0 |
| Vegetable, cucurbit, group 9 | 0.10 |
| Vegetable, fruiting, group 8 | 0.40 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. Tolerances with regional registrations are established for residues of the fungicide cyazofamid, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the following table is to be determined by measuring only the sum of 4-chloro-2-cyano-*N*,*N*-dimethyl-5-(4-methylphenyl)-1*H*-imidazole-1-sulfonamide and its metabolite, 4-chloro-5-(4-methylphenyl)-1*H*-imidazole-2-carbonitrile, calculated as the stoichiometric equivalent of cyazofamid, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 1.5 |

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 58299, Sept. 30, 2004, as amended at 73 FR 21839, Apr. 23, 2008; 74 FR 32453, July 8, 2009; 75 FR 40751, July 14, 2010]

### § 180.602 Spiroxamine; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide spiroxamine, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified in the following table is to be determined by measuring only spiroxamine, [(8-(1,1-dimethylethyl)-N-ethyl-N-propyl-1,4-dioxaspiro[4,5]decane-2-methanamine) in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Artichoke, globe, import [1] | 0.7 |
| Asparagus [1] | 0.05 |
| Banana (import) | 3.0 |
| Grape (import) | 1.0 |
| Hop, dried cones | 50 |
| Vegetable, fruiting , crop group 8 [1] | 1.2 |

[1] No U.S. registration as of December 1, 2010.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 42570, July 16, 2004, as amended at 75 FR 74640, Dec. 1, 2010]

### § 180.603 Dinotefuran; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of dinotefuran, (*RS*)-1-methyl-2-nitro-3-((tetrahydro-3-furanyl)methyl)guanidine, including its metabolites and degradates, in or on the commodities listed in the following table. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of dinotefuran and its metabolites DN, 1-methyl-3-(tetrahydro-3-furylmethyl)guanidine, and UF, 1-methyl-3-(tetrahydro-3-furylmethyl)urea, calculated as the stoichiometric equivalent of dinotefuran, in or on the commodities listed in the table below:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 1.4 |
| Brassica, leafy greens, subgroup 5B | 15.0 |
| Cotton, undelinted seed | 0.4 |
| Cotton, gin byproducts | 8.0 |
| Grape | 0.9 |
| Grape, raisin | 2.5 |
| Potato | 0.05 |
| Potato, chips | 0.1 |
| Potato, granules/flakes | 0.15 |
| Tomato, paste | 1.0 |
| Turnip, greens | 15.0 |
| Vegetable, fruiting, group 8 | 0.7 |
| Vegetable, cucurbit, group 9 | 0.5 |
| Vegetable, leafy, except Brassica, group 4 | 5.0 |

(2) Tolerances are established for residues of dinotefuran, (*RS*)-1-methyl-2-nitro-3-((tetrahydro-3-furanyl)methyl)guanidine, including its metabolites and degradates, in or on the commodities listed in the following table. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of dinotefuran, (*RS*)-1-methyl-2-nitro-3-((tetrahydro-3-furanyl)methyl)guanidine in or on the commodities listed in the table below:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.05 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.05 |
| Goat, fat | 0.05 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.05 |
| Hog, fat | 0.05 |
| Hog, meat | 0.05 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.05 |
| Horse, meat | 0.05 |
| Horse, meat byproducts | 0.05 |
| Milk | 0.05 |
| Sheep, fat | 0.05 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.05 |

(b) *Section 18 emergency exemptions*. Time-limited tolerances specified in the following table are established for combined residues of Dinotefuran, [ *N* -methyl- *N* ′-nitro- *N*″ -((tetrahydro-3-furanyl)methyl)guanidine] and its metabolites DN [1-methyl-3-(tetrahydro-3-furylmethyl)guanidine] and UF [1-methyl-3-(tetrahydro-3-furylmethyl)urea], expressed as dinotefuran in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FFIFRA section 18 emergency exemptions. The tolerances expire and are revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Rice, grain | 2.8 | 12/31/12 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[70 FR 14546, Mar. 23, 2005, as amended at 74 FR 12601, Mar. 25, 2009; 74 FR 67104, Dec. 18, 2009; 75 FR 770, Jan. 6, 2010]

## § 180.604 Mepanipyrim; tolerances for residues.

(a) *General*. [Reserved]

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect of inadvertent residues*. [Reserved]

(e) *Revoked tolerances subject to the channel of trade provisions*. [Reserved]

(f) *Import tolerances*. Tolerances are established for the combined residues of mepanipyrim, 4-methyl-N-phenyl-6-(1-propynyl)-2-pyrimidinamine, and its metabolite, 4-methyl-N-phenyl-6-(2-hydroxypropylk)-2-pyrimidinamine, both free and conjugated in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 1.5 |
| Grape, raisin | 3.0 |
| Strawberry | 1.5 |
| Tomato | 0.5 |

[68 FR 60827, Oct. 13, 2004]

## § 180.605 Penoxsulam; tolerances for residues.

(a) *General*. Tolerances are established for the herbicide, penoxsulam ( 2-(2,2-difluoroethoxy)-N-(5,8-dimethoxy[1,2,4] triazolo[1,5-c]pyrimidin-2-yl)-6-(trifluoromethyl)benzenesulfonamide) in/on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.01 |
| Fish | 0.01 |
| Fish, shellfish, crustacean | 0.01 |

| Commodity | Parts per million |
|---|---|
| Fish, shellfish, mollusc | 0.02 |
| Grape | 0.01 |
| Nut, tree, group 14 | 0.01 |
| Pistachio | 0.01 |
| Rice, grain | 0.02 |
| Rice, straw | 0.50 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[69 FR 57197, Sept. 24, 2004, as amended at 72 FR 40763, July 25, 2007; 74 FR 18648, Apr. 24, 2009]

### § 180.607 Spiromesifen; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide/miticide spiromesifen, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of spiromesifen [2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate] and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, calculated as the stoichiometric equivalent of spiromesifen, in or on the following primary crop commodities:

| Commodity | Parts per million |
|---|---|
| Bean, dry | 0.02 |
| Bean, edible podded | 0.80 |
| Bean, succulent | 0.10 |
| Berry and small fruit, low growing berry, subgroup 13-07G | 2.0 |
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 12 |
| Corn, field, forage | 5.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 8.0 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 4.0 |
| Corn, sweet, forage | 17 |
| Corn, sweet, kernel plus cob with husks removed | 0.02 |
| Corn, sweet, stover | 12 |
| Cotton, gin byproducts | 15 |
| Cotton, undelinted seed | 0.50 |
| Cowpea, forage | 30 |
| Cowpea, hay | 86 |
| Leaf petiole subgroup 4B | 6.0 |
| Leafy greens subgroup 4A | 12 |
| Pea, dry, seed | 0.20 |
| Peppermint, tops | 45 |
| Spearmint, tops | 45 |
| Tomato, paste | 0.80 |
| Vegetable, cucurbit, group 9 | 0.10 |
| Vegetable, fruiting, group 8 | 0.45 |
| Vegetable, tuberous and corm, subgroup 1C | 0.02 |

(2) Tolerances are established for residues of the insecticide/miticide spiromesifen, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of spiromesifen [2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate] and its metabolites containing the 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one and 4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one moieties, calculated as the stoichiometric equivalent of spiromesifen, in the following livestock commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.20 |
| Goat, fat | 0.10 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.20 |
| Horse, fat | 0.10 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.20 |
| Milk | 0.01 |
| Milk, fat | 0.25 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.20 |

(b) *Section 18 emergency exemptions*. Time-limited tolerances specified in the following table are established for residues of the insecticide/miticide spiromesifen, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of spiromesifen [2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate] and 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, calculated as the stoichiometric equivalent of spiromesifen, in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FIFRA section 18 emergency exemptions. The

tolerances expire and are revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/ revocation date |
|---|---|---|
| Soybean, forage | 30 | 12/31/11 |
| Soybean, hay | 86 | 12/31/11 |
| Soybean, seed | 0.02 | 12/31/11 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for the inadvertent or indirect residues of the insecticide/miticide spiromesifen, including its metabolites and degradates, in or on the commodities listed below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of spiromesifen [2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate], 4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one, and its metabolites containing the 4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one moiety, calculated as the stoichiometric equivalent of spiromesifen, in the following rotational crop commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 1.5 |
| Alfalfa, hay | 3.0 |
| Barley, grain | 0.03 |
| Barley, hay | 0.25 |
| Barley, straw | 0.15 |
| Beet, sugar, roots | 0.03 |
| Beet, sugar, tops | 0.20 |
| Oat, forage | 0.20 |
| Oat, grain | 0.03 |
| Oat, hay | 0.25 |
| Oat, straw | 0.25 |
| Vegetable, bulb, group 3-07 | 0.09 |
| Wheat, forage | 0.20 |
| Wheat, grain | 0.03 |
| Wheat, hay | 0.15 |
| Wheat, straw | 0.25 |

[70 FR 43283, July 27, 2005, as amended at 72 FR 3079, Jan. 24, 2007; 73 FR 13140, Mar. 12, 2008; 73 FR 52606, Sept. 10, 2008; 74 FR 8492, Feb. 25, 2009; 74 FR 15886, Apr. 8, 2009; 75 FR 5526, Feb. 3, 2010; 75 FR 53586, Sept. 1, 2010]

## § 180.608 Spirodiclofen; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of spirodiclofen per se (3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate) in or on the following plant commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 20.0 |
| Apple, wet pomace | 2.0 |
| Avocado | 1.0 |
| Black sapote | 1.0 |
| Canistel | 1.0 |
| Citrus, juice | 0.60 |
| Citrus, oil | 20.0 |
| Fruit, citrus, group 10 | 0.50 |
| Fruit, pome, group 11 | 0.80 |
| Fruit, stone, group 12 | 1.0 |
| Grape | 2.0 |
| Grape, juice | 2.4 |
| Grape, raisin | 4.0 |
| Hop, dried cones | 30 |
| Mamey sapote | 1.0 |
| Mango | 1.0 |
| Nut, tree, group 14 | 0.10 |
| Papaya | 1.0 |
| Pistachio | 0.10 |
| Sapodilla | 1.0 |
| Star apple | 1.0 |

(2) Tolerances are established for residues of spirodiclofen (3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate) and its free enol metabolite BAJ 2510 (3-(2,4-dichlorophenyl)-4-hydroxy-1-oxaspiro[4,5]dec-3-en-2-one) in or on the following livestock commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, meat byproducts | 0.10 |
| Cattle, meat | 0.02 |
| Goat, fat | 0.02 |
| Goat, meat byproducts | 0.1 |
| Goat, meat | 0.02 |
| Horse, fat | 0.02 |
| Horse, meat byproducts | 0.1 |
| Horse, meat | 0.02 |
| Milk | 0.01 |
| Milk, fat | 0.03 |
| Sheep, fat | 0.02 |
| Sheep. meat byproducts | 0.1 |
| Sheep. meat | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[70 FR 40211, July 13, 2005, as amended at 73 FR 25539, May 7, 2008; 75 FR 24434, May 5, 2010]

**§ 180.609 Fluoxastrobin; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of fluoxastrobin, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only fluoxastrobin, (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime and its Z isomer, (1Z)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, calculated as the stoichiometric equivalent of fluoxastrobin.

| Commodity | Parts per million |
|---|---|
| Berry, low growing, subgroup 13-07G | 1.9 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 4.5 |
| Corn, sweet, forage | 13 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 10 |
| Grain, aspirated grain fractions | 60 |
| Leaf petioles subgroup 4B | 4.0 |
| Peanut | 0.010 |
| Peanut, hay | 20.0 |
| Peanut, refined oil | 0.030 |
| Soybean, forage | 9.0 |
| Soybean, hay | 1.2 |
| Soybean, hulls | 0.20 |
| Soybean, seed | 0.05 |
| Tomato, paste | 1.5 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.010 |
| Wheat, bran | 0.15 |
| Wheat, forage | 7.0 |
| Wheat, hay | 17 |
| Wheat, straw | 11 |

(2) Tolerances are established for residues of fluoxastrobin, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only fluoxastrobin, (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, its Z isomer, (1Z)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, and its phenoxy-hydroxypyrimidine, 6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinol, calculated as the stoichiometric equivalent of fluoxastrobin.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.10 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts | 0.20 |
| Goat, fat | 0.10 |
| Goat, meat | 0.05 |
| Goat, meat byproducts | 0.20 |
| Horse, fat | 0.10 |
| Horse, meat | 0.05 |
| Horse, meat, byproducts | 0.20 |
| Milk | 0.02 |
| Milk, fat | 0.50 |
| Sheep, fat | 0.10 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts | 0.20 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent residues of fluoxastrobin, including its metabolites and degradates, in or on the commodities in the table below, when present therein as a result of the application of fluoxastrobin to the growing crops listed in paragraph (a)(1) of this section. Compliance with the tolerance levels specified below is to be determined by measuring only fluoxastrobin, (1E)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime and its Z isomer, (1Z)-[2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl](5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime, calculated as the stoichiometric equivalent of fluoxastrobin.

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.050 |
| Alfalfa, hay | 0.10 |
| Cotton, gin byproducts | 0.020 |
| Grain, cereal, forage, fodder, and straw, group 16, except corn | 0.10 |
| Grass, forage | 0.10 |
| Grass, hay | 0.50 |
| Vegetable, foliage of legume, group 7 | 0.050 |

[74 FR 67113, Dec. 18, 2009, as amended at 75 FR 60333, Sept. 30, 2010]

**§ 180.610 Aminopyralid; tolerances for residues.**

(a) *General*. (1) Tolerances are established for residues of the herbicide aminopyralid, 4-amino-3,6-dichloro-2-pyridinecarboxylic acid, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only free and conjugated aminopyralid.

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.30 |
| Corn, field, grain | 0.20 |
| Corn, field, stover | 0.20 |
| Grain, aspirated fractions | 0.2 |
| Grass, forage | 25 |
| Grass, hay | 50 |
| Wheat, bran | 0.1 |
| Wheat, forage | 2.0 |
| Wheat, grain | 0.04 |
| Wheat, hay | 4.0 |
| Wheat, straw | 0.25 |

(2) Tolerances are established for residues of the herbicide aminopyralid, 4-amino-3,6-dichloro-2-pyridinecarboxylic acid, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only aminopyralid.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, kidney | 0.3 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except kidney | 0.02 |
| Goat, fat | 0.02 |
| Goat, kidney | 0.3 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except kidney | 0.02 |
| Horse, fat | 0.02 |
| Horse, kidney | 0.3 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except kidney | 0.02 |
| Milk | 0.03 |
| Sheep, fat | 0.02 |
| Sheep, kidney | 0.3 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except kidney | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[70 FR 46428, Aug. 10, 2005, as amended at 75 FR 17584, Apr. 7, 2010]

**§ 180.611 Pinoxaden; tolerances for residues.**

(a) *General*. (1) Tolerances are established for the combined residues of pinoxaden (8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5] oxadiazepin-9-yl 2,2-dimethylpropanoate), and its metabolites 8-(2,6-diethyl-4-methyl-phenyl)-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9-dione (M2), and free and conjugated forms of 8-(2,6-diethyl-4-hydroxymethyl-phenyl)-tetrahydro-pyrazolo[1,2-d][1,4,5] oxadiazepine-7,9-dione (M4), and 4-(7,9-dioxo-hexahydro-pyrazolo[1,2-d][1,4,5]oxadiazepin-8-yl)-3,5-diethyl-benzoic acid (M6), calculated as pinoxaden, in/on the following commodities:

| Commodity | Parts per million |
|---|---|
| Barley, bran | 1.6 |
| Barley, grain | 0.9 |
| Barley, hay | 1.5 |
| Barley, straw | 1.0 |
| Egg | 0.06 |
| Poultry, fat | 0.06 |
| Poultry, meat | 0.06 |
| Poultry, meat byproducts | 0.06 |
| Wheat, bran | 3.0 |
| Wheat, forage | 3.5 |
| Wheat, grain | 1.3 |
| Wheat, hay | 2.0 |
| Wheat, straw | 1.5 |

(2) For the combined residues of pinoxaden, 8-(2,6-diethyl-4-methylphenyl)-1,2,4,5-tetrahydro-7-oxo-7H-pyrazolo[1,2-d][1,4,5] oxadiazepin-9-yl 2,2-dimethylpropanoate), and its metabolites M2, 8-(2,6-diethyl-4-methyl-phenyl)-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9-dione, and free and conjugated forms of M4, 8-(2,6-diethyl-4-hydroxymethyl-phenyl)-tetrahydro-pyrazolo[1,2-d][1,4,5] oxadiazepine-7,9-dione, calculated as pinoxaden, in/on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.04 |
| Cattle, meat | 0.04 |
| Cattle, meat byproducts | 0.04 |
| Milk | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[70 FR 43322, July 27, 2005]

### § 180.612 Topramezone; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide topramezone, [3-(4,5-dihydro-3-isoxazolyl)-2-methyl-4-(methylsulfonyl)phenyl](5-hydroxy-1-methyl-1H-pyrazol-4-yl)methanone, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, kidney | 0.05 |
| Cattle, liver | 0.15 |
| Corn, field, forage | 0.05 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.05 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.05 |
| Corn, sweet, forage | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.05 |
| Goat, kidney | 0.05 |
| Goat, liver | 0.15 |
| Horse, kidney | 0.05 |
| Horse, liver | 0.15 |
| Sheep, kidney | 0.05 |
| Sheep, liver | 0.15 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[70 FR 46419, Aug. 10, 2005]

### § 180.613 Flonicamid; tolerances for residues.

(a) *General.* (1) Tolerances are established for the combined residues of flonicamid [*N*-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide] and its metabolites TFNA [4-trifluoromethylnicotinic acid], TFNA-AM [4-trifluoromethylnicotinamide] TFNG [*N*-(4-trifluoromethylnicotinoyl)glycine] in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 1.5 |
| Brassica, leafy greens, subgroup 5B | 16 |
| Cotton, gin byproducts | 6.0 |
| Cotton, hulls | 2.0 |
| Cotton, meal | 1.0 |
| Cotton, undelinted seed | 0.50 |
| Fruit, pome, group 11 | 0.20 |
| Fruit, stone, group 12 | 0.60 |
| Hop, dried cones | 7.0 |
| Okra | 0.40 |
| Potato, granules/flakes | 0.40 |
| Radish, tops | 16 |
| Spinach | 9.0 |
| Tomato, paste | 2.0 |
| Tomato, puree | 0.50 |
| Turnip, greens | 16 |
| Vegetable, cucurbit, group 9 | 0.40 |
| Vegetable, fruiting, group 8 | 0.40 |
| Vegetable, leafy, except brassica, group 4, except spinach | 4.0 |
| Vegetable, root, except sugar beet, subgroup 1B | 0.60 |
| Vegetable, tuberous and corm, subgroup 1C | 0.20 |

(2) Tolerances are established for combined residues of flonicamid [*N*-(cyanomethyl)-4-(trifluoromethyl)-3-pyridinecarboxamide], and its metabolites TFNA [4-trifluoromethylnicotinic acid], TFNA-AM [4-trifluoromethylnicotinamide] in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.03 |
| Cattle, meat | 0.08 |
| Cattle, meat byproducts | 0.08 |
| Egg | 0.04 |
| Goat, fat | 0.03 |
| Goat, meat | 0.08 |
| Goat, meat byproducts | 0.08 |
| Horse, fat | 0.03 |
| Horse, meat | 0.08 |
| Horse, meat byproducts | 0.08 |
| Milk | 0.03 |
| Poultry, fat | 0.03 |
| Poultry, meat | 0.03 |
| Poultry, meat byproducts | 0.03 |
| Sheep, fat | 0.03 |
| Sheep, meat | 0.08 |
| Sheep, meat byproducts | 0.08 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[70 FR 51614, Aug. 31, 2005, as amended at 71 FR 15608, Mar. 29, 2006; 73 FR 17923, Apr. 2, 2008]

### § 180.614 Kasugamycin; tolerances for residues.

(a) *General.* Tolerances are established for residues of kasugamycin, 3-

O-[2-amino-4-[(carboxyiminomethyl)amino]-2,3,4,6-tetradeoxy-α-D-arabino-hexopyranosyl]-D-chiro-inositol in or on the following raw agricultural commodity:

| Commodity | Parts per million |
|---|---|
| Vegetable, fruiting, group 8 [1] | 0.04 |

[1]There is no U.S. registration as of September 1, 2005.

(b) *Section 18 emergency exemptions*. Time-limited tolerances specified in the following table are established for residues of kasugamycin, 3-O-[2-amino-4-[(carboxyiminomethyl)amino]-2,3,4,6-tetradeoxy-α-D-arabino-hexopyranosyl]-D-chiro-inositol in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FFIFRA section 18 emergency exemptions. The tolerances expire and are revoked on the date specified in the table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Apple | 0.05 | 12/31/12 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[70 FR 55752, Sept. 23, 2005, as amended at 75 FR 19272, Apr. 14, 2010]

## § 180.615 Amicarbazone; tolerances for residues.

(a) *General*. Tolerances are established for combined residues of the herbicide, amicarbazone [4-amino-4, 5-dihydro- N-(1,1-dimethylethyl)-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and its metabolites DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and iPr-2-OH DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-hydroxy-1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide], calculated as parent equivalents, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, liver | 1.0 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts, except liver | 0.10 |
| Corn, field, forage | 0.80 |
| Corn, field, grain | 0.05 |
| Corn, field, stover | 1.0 |
| Goat, fat | 0.01 |
| Goat, liver | 1.0 |
| Goat, meat | 0.01 |
| Goat, meat byproducts, except liver | 0.10 |
| Hog, fat | 0.01 |
| Hog, liver | 0.10 |
| Hog, meat | 0.01 |
| Hog, meat byproducts, except liver | 0.01 |
| Horse, fat | 0.01 |
| Horse, liver | 1.0 |
| Horse, meat | 0.01 |
| Horse, meat byproducts, except liver | 0.10 |
| Milk | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, liver | 1.0 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts, except liver | 0.10 |
| Poultry, liver | 0.10 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for the indirect or inadvertent residues of amicarbazone [4-amino-4, 5-dihydro-N-(1,1-dimethylethyl)-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and its metabolites DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide] and iPr-2-OH DA amicarbazone [N-(1,1-dimethylethyl)-4,5-dihydro-3-(1-hydroxy-1-methylethyl)-5-oxo-1H-1,2,4-triazole-1-carboxamide], calculated as parent equivalents, in or on the following commodities when present therein as a result of application of amicarbazone to the growing crops in paragraph (a) of this section:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 0.05 |
| Alfalfa, hay | 0.10 |
| Cotton, gin byproducts | 0.30 |
| Cotton, undelinted seed | 0.07 |
| Soybean, forage | 1.50 |
| Soybean, hay | 5.0 |
| Soybean, seed | 0.80 |
| Wheat, bran | 0.15 |
| Wheat, flour | 0.15 |
| Wheat, forage | 0.50 |
| Wheat, germ | 0.15 |
| Wheat, grain | 0.10 |
| Wheat, hay | 1.0 |
| Wheat, middlings, | 0.15 |
| Wheat, shorts | 0.15 |
| Wheat, straw | 0.50 |

[70 FR 55760, Sept. 23, 2005, as amended at 74 FR 46377, Sept. 9, 2009]

### § 180.616 Fenpropimorph; tolerances for residues.

Tolerances are established for the residues of the fungicide fenpropimorph (rel-(2R,6S)-4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine) in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Banana* | 2.0 |

*No U.S. registration as of February 10, 2006.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[71 FR 15612, Mar. 29, 2006]

### § 180.617 Metconazole; tolerances for residues.

(a)(1) *General.* Tolerances are established for the residue of the fungicide metconazole (5-[(4-chlorophenyl)methyl]-2,2-dimethyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol) in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 4.0 |
| Banana [1] | 0.1 |
| Barley, grain | 2.5 |
| Barley, hay | 7.0 |
| Barley, straw | 7.0 |
| Beet, sugar, dried pulp | 0.70 |
| Beet, sugar, molasses | 0.08 |
| Beet, sugar, roots | 0.07 |
| Cattle, meat byproducts | 0.04 |
| Fruit, stone, group 12 | 0.20 |
| Goat, meat byproducts | 0.04 |
| Grain, aspirated grain fractions | 7.0 |
| Horse, meat byproducts | 0.04 |
| Nut, tree, group 14 | 0.04 |
| Oat, grain | 1.0 |
| Oat, hay | 17 |
| Oat, straw | 6.0 |
| Peanut | 0.04 |
| Peanut, refined oil | 0.05 |
| Pistachio | 0.04 |
| Rye, grain | 0.25 |
| Rye, straw | 14 |
| Sheep, meat byproducts | 0.04 |
| Soybean, forage | 3.0 |
| Soybean, hay | 6.0 |
| Soybean, hulls | 0.08 |
| Soybean, seed | 0.05 |
| Wheat, grain | 0.15 |
| Wheat, hay | 16 |
| Wheat, milled byproducts | 0.20 |
| Wheat, straw | 18 |

[1] No U.S. registration as of August 30, 2006.

(2) Tolerances are established for the residues of the fungicide metconazole, including its metabolites and degradates, in or on commodities in the following table. Compliance with the tolerance levels specified in the table is to be determined by measuring only metconazole, 5-[(4-chlorophenyl)-methyl]-2,2-dimethyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol) as the sum of its cis- and trans- isomers in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Canola seed | 0.04 |
| Corn, field, forage | 3.0 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 4.5 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 4.5 |
| Corn, sweet, forage | 3.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 4.5 |
| Cotton, gin byproducts | 8.0 |
| Cotton, undelinted seed | 0.25 |
| Egg | 0.04 |

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the residues of the fungicide metconazole, including its metabolites and degradates, in or on the commodities listed in the following table in connection with the use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances expire and are revoked on the dates specified in the following table. Compliance with the tolerance levels specified below is to be determined by measuring only metconazole (5-[(4-chlorophenyl)-methyl]-2,2-dimethyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol) as the sum of its cis- and trans-isomers in or on the following commodities:

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Sugarcane, cane | 1.6 | 12/31/11 |
| Sugarcane, molasses | 3.2 | 12/31/11 |

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 56388, Sept. 27, 2006, as amended at 71 FR 76196, Dec. 20, 2006; 73 FR 22828, Apr. 28, 2008; 74 FR 21266, May 7, 2009]

### § 180.618 Benthiavalicarb-isopropyl; tolerance for residues.

(a) *General*. Tolerances are established for the combined residues of benthiavalicarb-isopropyl, isopropyl[(S)-1-[[[(1R)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino] carbonyl]-2-methylpropyl]carbamate and isopropyl[(S)-1-[[[(1S)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino] carbonyl]-2-methylpropyl]carbamate, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Grape, imported | 0.25 |
| Grape, raisin | 1.0 |
| Tomato | 0.45 |

Note: There are no U.S. registrations as of July 30, 2006.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect of inadvertent residues*. [Reserved]

[71 FR 52003, Sept. 1, 2006]

### § 180.619 Epoxiconazole; tolerances for residues.

(a) *General*. Tolerances are established for the residues of the fungicide epoxiconazole [(*rel*-1-[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1*H*-1,2,4-triazole]) in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Banana* | 0.5 |
| Coffee* | 0.05 |

*No U.S. Registration as of August 4, 2006

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional Registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 53989, Sept. 13, 2006]

### § 180.620 Etofenprox; tolerances for residues.

(a) *General*. A tolerance is established for residues of the insecticide etofenprox, including its metabolites and degradates, in or on the commodity in the table in this paragraph. Compliance with the tolerance level specified in this paragraph is to be determined by measuring only etofenprox, 2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Rice, grain | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[76 FR 23498, Apr. 27, 2011]

### § 180.621 Dithianon; tolerances for residues.

(a) *General*. Tolerances are established for residues of dithianon, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only dithianon, 5, 10-dihydro-5,10-dioxonaphtho(2,3-b)-1,4-dithiin-2,3-dicarbonitrile.

| Commodity | Parts per million |
|---|---|
| Fruit, pome, group 11[1] | 5 |
| Grape [2] | 3 |
| Hop, dried cones[1] | 100 |

[1]No U.S. registration as of September 5, 2006.
[2]No U.S. registration as of January 29, 2010.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[75 FR 5522, Feb. 3, 2010]

### § 180.622 Ethaboxam; tolerances for residues.

(a) *General*. Tolerances are established for residues of ethaboxam, *N*-(cyano-2-thienylmethyl)-4-ethyl-2-

(ethlyamino)-5-thiazolecarboxamide in or on the following commodity:

| Commodity | Parts per million |
|---|---|
| Grape [1] | 6.0 |

[1] There is no U.S. registration as of September 27, 2006

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 56392, Sept. 27, 2006]

### § 180.623 Flufenoxuron; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide, flufenoxuron, 1-[4-(2-chloro-α,α,α-trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea, in or on the following food commodities.

| Commodity | Parts per million |
|---|---|
| Apple [1] | 0.50 |
| Cattle, fat [1] | 4.5 |
| Cattle, meat [1] | 0.10 |
| Cattle, meat byproducts [1] | 0.50 |
| Goat, fat [1] | 4.5 |
| Goat, meat [1] | 0.10 |
| Goat, meat byproducts [1] | 0.50 |
| Grape [1] | 0.70 |
| Grape, raisin [1] | 2.0 |
| Horse, fat [1] | 4.5 |
| Horse, meat [1] | 0.10 |
| Horse, meat byproducts [1] | 0.50 |
| Milk | 0.20 |
| Milk, fat [1] | 4.0 |
| Orange [1] | 0.30 |
| Orange, oil [1] | 60 |
| Pear [1] | 0.50 |
| Sheep, fat [1] | 4.5 |
| Sheep, meat [1] | 0.10 |
| Sheep, meat byproducts [1] | 0.50 |

[1]There are no U.S. registrations as of September 30, 2006.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional restrictions*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 57436, Sept. 29, 2006]

### § 180.624 Metrafenone; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide metrafenone, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified in the following table is to be determined by measuring only metrafenone (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Grape | 4.5 |
| Grape, raisin | 17 |

(b) *Section 18 emergency exemption*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[71 FR 54917, Sept. 20, 2006, as amended at 75 FR 75393, Dec. 3, 2010]

### § 180.625 Orthosulfamuron; tolerances for residues.

(a) *General*. Tolerances are established for residues of orthosulfamuron 1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(dimethylcarbamoyl)-phenylsulfamoyl] urea) *per se* in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Rice, grain | 0.05 |
| Rice, straw | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect and inadvertant residues*. [Reserved]

[72 FR 8931, Feb. 28, 2007]

### § 180.626 Prothioconazole; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of prothioconazole, 2-[2-(1-chlorocylcopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thion, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only prothioconazole and its metabolite prothioconazole-desthio, or α-(1-chlorocyclopropyl)-α-[(2-chlorophenyl)methyl]-1H-1,2,4-triazole-

1-ethanol, calculated as parent in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Beet, sugar, roots | 0.25 |
| Corn, sweet, kernel plus cob with husks removed | 0.04 |
| Grain, aspirated grain fractions | 11 |
| Grain, cereal, forage, fodder and straw, group 16, except sorghum, and rice; forage | 8.0 |
| Grain, cereal, forage, fodder and straw, group 16, except sorghum, and rice; hay | 7.0 |
| Grain, cereal, forage, fodder and straw, group 16, except sorghum, and rice; stover | 10 |
| Grain, cereal, forage, fodder and straw, group 16, except sorghum, and rice; straw | 5.0 |
| Grain, cereal, group 15, except sweet corn, sorghum, and rice | 0.35 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.9 |
| Peanut | 0.02 |
| Rapeseed, seed | 0.15 |
| Soybean, forage | 4.5 |
| Soybean, hay | 17 |
| Soybean, seed | 0.15 |

(2) Tolerances are established for residues of prothioconazole, 2-[2-(1-chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thion, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only prothioconazole and its metabolites prothioconazole-desthio, or α-(1-chlorocyclopropyl)-α-[(2-chlorophenyl)methyl]-1H-1,2,4-triazole-1-ethanol, and conjugates that can be converted to these two compounds by acid hydrolysis, calculated as parent in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.1 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.2 |
| Goat, fat | 0.1 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.2 |
| Hog, meat byproducts | 0.05 |
| Horse, fat | 0.1 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.2 |
| Milk | 0.02 |
| Poultry liver | 0.02 |
| Sheep, fat | 0.1 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.2 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 11783, Mar. 14, 2007, as amended at 73 FR 14719, Mar. 19, 2008; 74 FR 14749, Apr. 1, 2009; 74 FR 46699, Sept. 11, 2009; 75 FR 29914, May 28, 2010]

## § 180.627 Fluopicolide; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide fluopicolide [2,6-dichloro-*N*-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide], including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified below is to be determined by measuring only fluopicolide [2,6-dichloro-*N*-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide] in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 5.0 |
| Grape | 2.0 |
| Grape, raisin | 6.0 |
| Potato, processed waste | 0.05 |
| Vegetable, brassica (cole) leafy subgroup 5B | 18 |
| Vegetable, bulb, crop group 3–07 | 7.0 |
| Vegetable, cucurbit, group 9 | 0.50 |
| Vegetable, fruiting, group 8 | 1.60 |
| Vegetable, leafy, except brassica, group 4 | 25 |
| Vegetable, leaves of root and tuber, group 2 | 15.0 |
| Vegetable root, subgroup 1A | 0.15 |
| Vegetable, tuberous and corm subgroup 1C | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* Tolerances are established for residues of the fungicide fluopicolide [2,6-dichloro-*N*-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide], including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified below is to be determined by measuring only fluopicolide [2,6-dichloro-*N*-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide] in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Wheat, aspirated grain fractions | 0.07 |

| Commodity | Parts per million |
|---|---|
| Wheat, forage | 0.20 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.50 |
| Wheat, milled byproducts | 0.07 |
| Wheat, straw | 0.50 |

[72 FR 14447, Mar. 28, 2007, as amended at 73 FR 5455, Jan. 30, 2008; 73 FR 30498, May 28, 2008; 76 FR 22054, Apr. 20, 2011]

### § 180.628 Chlorantraniliprole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the insecticide chlorantraniliprole, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only chlorantraniliprole, 3-bromo-*N*-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide.

| Commodity | Parts per million |
|---|---|
| Acerola | 2.0 |
| Alfalfa, seed | 7.0 |
| Almond, hulls | 5.0 |
| Animal feed, nongrass, group 18, forage | 25 |
| Animal feed, nongrass, group 18, hay | 90 |
| Apple, wet pomace | 2.5 |
| Artichoke, globe | 4.0 |
| Asparagus | 13 |
| Atemoya | 4.0 |
| Avocado | 4.0 |
| Banana | 4.0 |
| Biriba | 4.0 |
| Brassica, head and stem, subgroup 5A | 4.0 |
| Brassica, leafy greens, subgroup 5B | 11 |
| Cacao bean | 0.08 |
| Cacao bean, chocolate | 1.5 |
| Cacao bean, cocoa powder | 1.5 |
| Cacao bean, roasted bean | 0.8 |
| Cactus | 13 |
| Canistel | 4.0 |
| Cattle, fat | 0.3 |
| Cattle, liver | 0.3 |
| Cattle, meat | 0.05 |
| Cattle, meat byproducts, except liver | 0.2 |
| Cherimoya | 4.0 |
| Cherry, sweet | 2.0 |
| Cherry, tart | 2.0 |
| Citrus, dried pulp | 14 |
| Coffee, green bean | 0.4 |
| Coffee, instant | 2.0 |
| Corn, field, forage | 14 |
| Corn, field, grain | 0.04 |
| Corn, field, milled byproducts | 0.1 |
| Corn, field, stover | 14 |
| Corn, pop, forage | 14 |
| Corn, pop, grain | 0.04 |
| Corn, pop, stover | 14 |
| Corn, sweet, forage | 14 |
| Corn, sweet, kernel plus cobs with husk removed | 0.02 |
| Corn, sweet, stover | 14 |
| Cotton, gin byproduct | 30 |
| Cotton, hulls | 0.40 |
| Cotton, undelinted seed | 0.30 |
| Crambe, seed | 0.3 |
| Crayfish | 8.0 |
| Custard apple | 4.0 |
| Egg | 0.2 |
| Feijoa | 4.0 |
| Fig | 4.0 |
| Fruit, caneberry, subgroup 13–07A | 1.8 |
| Fruit, citrus, group 10 | 1.4 |
| Fruit, pome, group 11, except mayhaw | 1.2 |
| Fruit, small vine climbing, subgroup 13–07F | 2.5 |
| Fruit, stone, group 12, except cherry, chickasaw plum, and damson plum | 4.0 |
| Goat, fat | 0.3 |
| Goat, liver | 0.3 |
| Goat, meat | 0.05 |
| Goat, meat byproducts, except liver | 0.2 |
| Grain, aspirated fractions | 2.0 |
| Grape, raisin | 5.0 |
| Grass forage, fodder and hay, group 17 | 90 |
| Guava | 4.0 |
| Hare's ear mustard, seed | 0.3 |
| Herb subgroup 19A, dried leaves | 90 |
| Herb subgroup 19A, fresh leaves | 25 |
| Hog, fat | 0.02 |
| Hog, meat byproducts | 0.02 |
| Hop, dried cones | 90 |
| Horse, fat | 0.3 |
| Horse, liver | 0.3 |
| Horse, meat | 0.05 |
| Horse, meat byproducts, except liver | 0.2 |
| Ilama | 4.0 |
| Jaboticaba | 2.0 |
| Jojoba, seed | 0.3 |
| Lesquerella, seed | 0.3 |
| Longan | 4.0 |
| Lunaria, seed | 0.3 |
| Lychee | 2.0 |
| Mango | 4.0 |
| Mayhaw | 0.6 |
| Milk | 0.05 |
| Milkweed, seed | 0.3 |
| Mustard, seed | 0.3 |
| Nut, tree, group 14 | 0.04 |
| Oil, radish, seed | 0.3 |
| Okra | 0.7 |
| Olive | 4.0 |
| Olive, oil | 40 |
| Papaya | 2.0 |
| Passionfruit | 2.0 |
| Peppermint, tops | 9.0 |
| Persimmon | 4.0 |
| Pineapple | 1.5 |
| Pineapple, process residue | 3.0 |
| Pistachio | 0.04 |
| Plum, chickasaw | 2.0 |
| Plum, damson | 2.0 |
| Pomegranate | 4.0 |
| Poppy, seed | 0.3 |
| Poultry, fat | 0.01 |
| Poultry, meat byproducts | 0.02 |
| Pulasan | 4.0 |
| Rambutan | 4.0 |
| Rapeseed, seed | 0.3 |
| Rice, grain | 0.15 |
| Rice, hulls | 0.4 |
| Rose hip, seed | 0.3 |
| Sapodilla | 4.0 |
| Sapote, black | 4.0 |
| Sapote, mamey | 4.0 |

| Commodity | Parts per million |
|---|---|
| Sapote, white | 4.0 |
| Sesame, seed | 0.3 |
| Sheep, fat | 0.3 |
| Sheep, liver | 0.3 |
| Sheep, meat | 0.05 |
| Sheep, meat byproducts, except liver | 0.2 |
| Soursop | 4.0 |
| Spanish lime | 4.0 |
| Spearmint, tops | 9.0 |
| Spice, subgroup 19B | 14 |
| Star apple | 4.0 |
| Starfruit | 4.0 |
| Strawberry | 1.0 |
| Sugar apple | 4.0 |
| Sugarcane, cane | 14 |
| Sugarcane, molasses | 420 |
| Tallowwood, seed | 0.3 |
| Tea oil plant, seed | 0.3 |
| Vegetable, cucurbit, group 9 | 0.25 |
| Vegetable, foliage of legume, except soybean, subgroup 7A, forage | 30 |
| Vegetable, foliage of legume, except soybean, subgroup 7A, hay | 90 |
| Vegetable, fruiting, group 8 | 0.70 |
| Vegetable, leafy, except brassica, group 4 | 13 |
| Vegetable, legume, group 6, except soybeans | 2.0 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |
| Wax jambu | 4.0 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Time-limited tolerances are established for the indirect or inadvertent residues of the insecticide chlorantraniliprole, including its metabolites and degradates, in or on the commodities in the table below when present therein as a result of the application of chlorantraniliprole to the growing crops listed in paragraph (a) of this section. Compliance with the tolerance levels specified below is to be determined by measuring only chlorantraniliprole, 3-bromo-*N*-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Grain, cereal, forage, fodder and straw, group 16 | 0.20 | 04/10/14 |
| Leek | 0.20 | 04/10/14 |
| Onion, green | 0.20 | 04/10/14 |
| Onion, welsh | 0.20 | 04/10/14 |
| Peanut, hay | 0.20 | 04/10/14 |
| Shallot | 0.20 | 04/10/14 |
| Soybean, forage | 0.20 | 04/10/14 |
| Soybean, hay | 0.20 | 04/10/14 |
| Vegetable, leaves of root and tuber, group 2 | 0.20 | 04/10/14 |

[75 FR 5532, Feb. 3, 2010, as amended at 75 FR 17566, Apr. 7, 2010]

## § 180.629 Flutriafol; tolerances for residues.

(a) *General*. Tolerances are established for the residues of flutriafol, [(±)-α-(2-fluorophenyl)-α-(4-fluorophenyl)-1*H*-1,2,4-triazole-1-ethanol], including its metabolites and degradates in or on the following commodities. Compliance with the following tolerances is to be determined by measuring flutriafol only.

| Commodity | Parts per million |
|---|---|
| Apple | 0.20 |
| Cattle, liver | 0.02 |
| Goat, liver | 0.02 |
| Grain, aspirated fractions | 2.2 |
| Hog, liver | 0.02 |
| Horse, liver | 0.02 |
| Sheep, liver | 0.02 |
| Soybean, seed | 0.35 |

(b) *Section 18 tolerance* [Reserved]

(c) *Tolerances with regional registrations* [Reserved]

(d) *Indirect or inadvertent residues* [Reserved]

[75 FR 26673, May 12, 2010]

## § 180.630 Flusilazole; tolerances for residues.

(a) *General*. [Reserved]

(b) *Section 18 emergency exemptions*. Time-limited tolerances are established for residues of the fungicide, flusilazole, (1-[[bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole) in connection with use of the pesticide under Section 18 emergency exemptions granted by EPA. The tolerances expire and are revoked on the dates specified in the following table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Soybean, aspirated grain fractions | 2.6 | 12/31/10 |
| Soybean, seed | 0.04 | 12/31/10 |
| Soybean, oil | 0.10 | 12/31/10 |

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[72 FR 49660, Aug. 29, 2007]

### § 180.631 Pyrasulfotole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide pyrasulfotole, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of pyrasulfotole ((5-hydroxy-1,3-dimethyl-1*H*-pyrazol-4-yl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone) and its desmethyl metabolite (5-hydroxy-3-methyl-1*H*-pyrazol-4-yl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone), calculated as the stoichiometric equivalent of pyrasulfotole, in or on the commodities:

| Commodity | Parts per million |
|---|---|
| Aspirated grain fractions | 0.40 |
| Barley, grain | 0.02 |
| Barley, hay | 0.30 |
| Barley, straw | 0.20 |
| Cattle, fat | 0.03 |
| Cattle, liver | 3.0 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts, except liver | 0.70 |
| Eggs | 0.02 |
| Goat, fat | 0.03 |
| Goat, liver | 3.0 |
| Goat, meat | 0.02 |
| Goat, meat byproducts, except liver | 0.70 |
| Grass, forage | 25 |
| Grass, hay | 3.5 |
| Hog, fat | 0.02 |
| Hog, liver | 0.30 |
| Hog, meat | 0.02 |
| Hog, meat byproducts, except liver | 0.05 |
| Horse, fat | 0.03 |
| Horse, liver | 3.0 |
| Horse, meat | 0.02 |
| Horse, meat byproducts, except liver | 0.70 |
| Milk | 0.03 |
| Oat, forage | 0.10 |
| Oat, grain | 0.08 |
| Oat, hay | 0.50 |
| Oat, straw | 0.20 |
| Poultry, fat | 0.02 |
| Poultry, meat | 0.02 |
| Poultry, meat byproducts | 0.20 |
| Rye, forage | 0.20 |
| Rye, grain | 0.02 |
| Rye, straw | 0.20 |
| Sheep, fat | 0.03 |
| Sheep, liver | 3.0 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts, except liver | 0.70 |
| Sorghum, grain, forage | 1.5 |
| Sorghum, grain, grain | 0.70 |
| Sorghum, grain, stover | 0.80 |
| Wheat, forage | 0.20 |
| Wheat, grain | 0.02 |
| Wheat, hay | 0.80 |
| Wheat, straw | 0.20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[72 FR 45649, Aug. 15, 2007, as amended at 76 FR 23898, Apr. 29, 2011]

### § 180.632 Fenazaquin; import tolerances for residues.

(a) *General*. Import tolerances are established for residues of the insecticide and miticide, fenazaquin, 4-tert-butylphenethyl quinazolin-4-yl ether, in or on raw agricultural commodities as follows:

| Commodity | Parts per million |
|---|---|
| Apple | 0.2 |
| Citrus Oil | 10 |
| Fruit, Citrus, Group 10, except Grapefruit | 0.5 |
| Pear | 0.2 |

(b) *Section is emergency exempotions*. [Reserved]

(c) *Tolerances with regional registration*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[72 FR 44393, Aug. 8, 2007]

### § 180.633 Florasulam; tolerances for residues.

(a) *General*. Tolerances are established for residues of the herbicide florasulam N-(2,6-difluorophenyl)-8-fluoro-5-methoxy(1,2,4)triazolo(1,5-c)pyrimidine-2-sulfonamide in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Barley, grain | 0.01 |
| Barley, hay | 0.05 |
| Barley, straw | 0.05 |
| Oat, forage | 0.05 |
| Oat, grain | 0.01 |
| Oat, hay | 0.05 |
| Oat, straw | 0.05 |
| Rye, forage | 0.05 |
| Rye, grain | 0.01 |
| Rye, straw | 0.05 |
| Wheat, forage | 0.05 |
| Wheat, grain | 0.01 |
| Wheat, hay | 0.05 |
| Wheat, straw | 0.05 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 55077, Sept. 28, 2007]

### § 180.634 Tembotrione; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the herbicide tembotrione, including its metabolites and degradates, in or on the commodities listed in the table to this paragraph. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of tembotrione, 2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]-1,3-cyclohexanedione and its metabolite, 2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy) methyl]benzoyl]-4,6-dihydroxy-1,3-cyclohexanedione, calculated as the stoichiometric equivalent of tembotrione, in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, liver | 0.40 |
| Cattle, meat byproducts, except liver | 0.07 |
| Corn, field, forage | 0.60 |
| Corn, field, grain | 0.02 |
| Corn, field, stover | 0.45 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 0.35 |
| Corn, sweet, forage | 0.35 |
| Corn, sweet, stover | 0.60 |
| Goat, liver | 0.40 |
| Goat, meat byproducts, except liver | 0.07 |
| Horse, liver | 0.40 |
| Horse, meat byproducts, except liver | 0.07 |
| Poultry, liver | 0.07 |
| Sheep, liver | 0.40 |
| Sheep, meat byproducts, except liver | 0.07 |

(2) Tolerances are established for residues of the herbicide tembotrione, including its metabolites and degradates, in or on the commodities listed in the table to this paragraph. Compliance with the tolerance levels specified below is to be determined by measuring only tembotrione, 2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]-1,3-cyclohexanedione in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Corn, sweet, kernel plus cob with husks removed | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[72 FR 55085, Sept. 28, 2007, as amended at 74 FR 47894, Sept. 18, 2009]

### § 180.635 Spinetoram; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the insecticide spinetoram, expressed as a combination of XDE-175-J: 1-H-as-indaceno[3,2-d]oxacyclododecin-7,15-dione, 2-[(6-deoxy-3-O-ethyl-2,4-di-O-methyl-a-L-mannopyranosyl) oxy]-13-[[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl] oxy]-9-ethyl-2,3,3a,4,5,5a,5b,6,9, 10,11,12,13,14,16a,16b-hexadecahydro 14-methyl-, (2R,3aR,5aR,5bS,9S, 13S,14R,16aS,16bR); XDE-175-L: 1H-as-indaceno[3,2-d]oxacyclododecin-7,15-dione, 2-[(6-deoxy-3-O- ethyl-2,4-di-O-methyl-a-L-mannopyranosyl)oxy]-13-[[(2R,5S,6R)-5-(dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,3a,5a,5b,6,9, 10,11,12,13,14,16a,16b-tetradecahydro-4,14-dimethyl-, (2S,3aR,5aS,5bS,9S, 13S,14R,16aS,16bS); ND-J: (2R,3aR,5aR,5bS,9S, 13S,14R,16aS,16bR)-9-ethyl-14-methyl-13-[[(2S,5S,6R)-6- methyl-5-(methylamino)tetrahydro- 2H-pyran-2-yl]oxy]-7,15-dioxo-2,3,3a,4,5,5a,5b,6,7,9, 10,11,12,13,14,15,16a,16b- octadecahydro-1H-as- indaceno[3,2-d]oxacyclododecin-2-yl 6-deoxy-3-O-ethyl-2,4-di-O-methyl-alpha-L-mannopyranoside; and NF-J: (2R,3S,6S)-6-([(2R,3aR,5aR,5bS,9S, 13S,14R,16aS,16bR)- 2-[(6-deoxy-3-O-ethyl-2,4-di-O- methyl-alpha-L-mannopyranosyl) oxy]-9-ethyl-14-methyl-7,15-dioxo-2, 3,3a,4,5,5a,5b,6,7,9, 10,11,12,13,14,15,16a,16b- octadecahydro-1H-as- indaceno[3,2-d]oxacyclododecin-13-yl] oxy)-2-methyltetrahydro- 2H-pyran-3-yl(methyl)formamide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Acerola | 0.30 |
| Almond, hulls | 19 |
| Amaranth grain, grain | 1.0 |
| Apple, wet pomace | 0.50 |

| Commodity | Parts per million |
|---|---|
| Artichoke, globe | 0.30 |
| Asparagus | 0.04 |
| Atemoya | 0.30 |
| Avocado | 0.30 |
| Banana | 0.25 |
| Beet, sugar, molasses | 0.75 |
| Biriba | 0.30 |
| Brassica, head and stem, subgroup 5A | 2.0 |
| Brassica, leafy greens, subgroup 5B | 10 |
| Bushberry, subgroup 13B | 0.25 |
| Caneberry, subgroup 13A | 0.70 |
| Canistel | 0.30 |
| Cattle, fat | 5.5 |
| Cattle, liver | 0.85 |
| Cattle, meat | 0.20 |
| Cattle, meat byproducts (except liver) | 0.60 |
| Cherimoya | 0.30 |
| Citrus, dried pulp | 0.50 |
| Citrus, oil | 3.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.04 |
| Cotton, gin byproducts | 1.5 |
| Cotton, undelinted seed | 0.04 |
| Cranberry | 0.04 |
| Custard apple | 0.30 |
| Date | 0.10 |
| Egg | 0.04 |
| Feijoa | 0.30 |
| Fig | 0.10 |
| Fruit, citrus, group 10 | 0.30 |
| Fruit, pome, group 11 | 0.20 |
| Fruit, stone, group 12 | 0.20 |
| Goat, fat | 5.5 |
| Goat, liver | 0.85 |
| Goat, meat | 0.20 |
| Goat, meat byproducts (except liver) | 0.60 |
| Grain, aspirated fractions | 20 |
| Grain, cereal, group 15, except rice, sorghum, pearl millet and proso millet | 0.04 |
| Grain, cereal, group 16, forage | 3.5 |
| Grain, cereal, group 16, hay | 10 |
| Grain, cereal, group 16, stover | 10 |
| Grain, cereal, straw, group 16, except rice | 1.0 |
| Grape | 0.50 |
| Grape, raisin | 0.70 |
| Guava | 0.30 |
| Herb, dried, subgroup 19A | 22 |
| Herb, fresh, subgroup 19A | 3.0 |
| Hog, fat | 0.40 |
| Hog, meat | 0.04 |
| Hog, meat byproducts | 0.04 |
| Hop, dried cones | 22 |
| Horse, fat | 5.5 |
| Horse, liver | 0.85 |
| Horse, meat | 0.20 |
| Horse, meat byproducts (except liver) | 0.60 |
| Ilama | 0.30 |
| Jaboticaba | 0.30 |
| Juneberry | 0.25 |
| Lingonberry | 0.25 |
| Longan | 0.30 |
| Lychee | 0.30 |
| Mango | 0.30 |
| Milk | 0.30 |
| Milk, fat | 7.5 |
| Millet, pearl, grain | 1.0 |
| Millet, proso, grain | 1.0 |
| Nut, tree, group 14 | 0.10 |
| Okra | 0.40 |
| Onion, green | 2.0 |
| Papaya | 0.30 |
| Passionfruit | 0.30 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.04 |
| Pea and bean, succulent shelled, subgroup 6B | 0.04 |
| Peanut | 0.04 |
| Peanut, hay | 11 |
| Peppermint, tops | 3.5 |
| Pineapple | 0.04 |
| Pineapple, processed residue | 0.15 |
| Pistachio | 0.10 |
| Pomegranate | 0.30 |
| Poultry, fat | 0.10 |
| Poultry, meat | 0.04 |
| Poultry, meat byproducts | 0.04 |
| Pulasan | 0.30 |
| Rambutan | 0.30 |
| Salal | 0.25 |
| Sapodilla | 0.30 |
| Sapote, black | 0.30 |
| Sapote, mamey | 0.30 |
| Sapote, white | 0.30 |
| Sheep, fat | 5.5 |
| Sheep, liver | 0.85 |
| Sheep, meat | 0.20 |
| Sheep, meat products (except liver) | 0.60 |
| Sorghum, grain, grain | 1.0 |
| Soursop | 0.30 |
| Soybean, seed | 0.04 |
| Spanish lime | 0.30 |
| Spearmint, tops | 3.5 |
| Spice, subgroup 19B, except black pepper | 1.7 |
| Star apple | 0.30 |
| Star fruit | 0.30 |
| Strawberry | 1.0 |
| Sugar apple | 0.30 |
| Ti, leaves | 10 |
| Vegetable, bulb, group 3, except green onion | 0.10 |
| Vegetable, cucurbit, group 9 | 0.30 |
| Vegetable, foliage of legume, group 7 | 8.0 |
| Vegetable, fruiting, group 8 | 0.40 |
| Vegetable, leafy, except Brassica, group 4 | 8.0 |
| Vegetable, leaves of root and tuber, group 2 | 10 |
| Vegetable, legume, edible podded, subgroup 6A | 0.30 |
| Vegetable, root and tuber, group 1 | 0.10 |
| Watercress | 8.0 |
| Wax jambu | 0.30 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registration.* [Reserved]

(d) *Indirect and invertent residues.* [Reserved]

[72 FR 57499, Oct. 10, 2007, as amended at 73 FR 14714, Mar. 19, 2008; 74 FR 40759, Aug. 13, 2009]

### § 180.636 1,3-dichloropropene; tolerances for residues.

(a) *General.* Tolerances are established for the combined residues of the fungicide *cis*- and *trans*-1,3-dichloropropene and its metabolites *cis*- and *trans*-3-chloroacrylic acid, and *cis*- and *trans*-3-chloroallyl alcohol in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Grape | 0.018 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 8218, Feb. 13, 2008]

### § 180.637 Mandipropamid; tolerances for residues.

(a) *General.* Tolerances are established for residues of the fungicide mandipropamid, 4-chloro-N-[2-(3-methoxy-4-(2-propynyloxy)phenyl]ethyl]-alpha-(2-propynyloxy)-benzeneacetamide in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Brassica, head and stem, subgroup 5A | 3 |
| Brassica, leafy greens, subgroup 5B | 25 |
| Grape | 1.4 |
| Grape, raisin | 3.0 |
| Hop, dried cones | 50 |
| Okra | 1.0 |
| Onion, dry bulb | 0.05 |
| Onion, green | 4 |
| Potato, wet peel | 0.03 |
| Vegetable, cucurbit, group 9 | 0.6 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetable, leafy except Brassica, group 4 | 20 |
| Vegetable, tuberous and corm, subgroup 1C | 0.01 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent tolerances.* [Reserved]

[73 FR 2816, Jan. 16, 2008, as amended at 74 FR 33169, July 10, 2009]

### § 180.638 Pyroxsulam; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide pyroxsulam, N-(5,7-dimethoxy[1,2,4]triazolo[1,5-a]pyrimidin-2-yl)-2-methoxy-4-(trifluoromethyl)-3-pyridinesulfonamide in or on the raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Wheat, forage | 0.06 |
| Wheat, grain | 0.01 |
| Wheat, hay | 0.01 |
| Wheat, straw | 0.03 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[73 FR 10402, Feb. 27, 2008]

### § 180.639 Flubendiamide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of the insecticide flubendiamide *per se* $N^2$-[1,1-Dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-$N^1$-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 9.0 |
| Apple, wet pomace | 2.0 |
| Corn, field, forage | 8.0 |
| Corn, field, grain | 0.03 |
| Corn, field, stover | 15 |
| Corn, pop, grain | 0.02 |
| Corn, pop, stover | 15 |
| Corn, sweet, forage | 9.0 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 25 |
| Cotton gin byproducts | 60 |
| Cotton, undelinted seed | 0.90 |
| Fruit, pome, group 11 | 0.70 |
| Fruit, stone, group 12 | 1.6 |
| Grape | 1.4 |
| Nut, tree, group 14 | 0.06 |
| Okra | 0.30 |
| Vegetable, cucurbit, group 9 | 0.20 |
| Vegetable, fruiting, group 8 | 0.60 |
| Vegetable, leafy, except *Brassica,* group 4 | 11 |

(2) Tolerances are established for residues of flubendiamide, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified in the table is to be determined by measuring only flubendiamide $N^2$-[1,1-dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-$N^1$-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Alfalfa, forage | 25 |
| Alfalfa, hay | 65 |
| Artichoke, globe | 1.6 |
| Berry, low growing, subgroup 13–07G, except cranberry | 1.5 |
| *Brassica*, head and stem, subgroup 5A | 3.0 |
| *Brassica*, leafy greens, subgroup 5B | 25 |
| Cattle, fat | 0.70 |
| Cattle, meat | 0.60 |

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.08 |
| Egg | 0.40 |
| Fruit, small fruit vine climbing except fuzzy kiwifruit, subgroup 13–07F | 1.4 |
| Goat, fat | 0.70 |
| Goat, meat | 0.60 |
| Goat, meat byproducts | 0.08 |
| Grain, aspirated grain fractions | 153 |
| Hog, fat | 0.15 |
| Hog, meat | 0.15 |
| Hog, meat byproducts | 0.03 |
| Horse, fat | 0.70 |
| Horse, meat | 0.60 |
| Horse, meat byproducts | 0.08 |
| Milk | 0.15 |
| Milk, fat | 1.0 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.60 |
| Pea and bean, succulent shelled, subgroup 6B | 0.05 |
| Peanut, hay | 60 |
| Peanut, meal | 0.03 |
| Peanut, nutmeat | 0.02 |
| Peanut, refined oil | 0.03 |
| Pistachio | 0.06 |
| Poultry, fat | 3.0 |
| Poultry, liver | 0.60 |
| Poultry, meat | 0.10 |
| Rice, grain [1] | 0.50 |
| Safflower, seed | 5.0 |
| Sheep, fat | 0.70 |
| Sheep, meat | 0.60 |
| Sheep, meat byproducts | 0.08 |
| Sorghum, grain, forage | 12 |
| Sorghum, grain, grain | 5.0 |
| Sorghum, grain, stover | 14 |
| Soybean, forage | 18 |
| Soybean, hay | 60 |
| Soybean, hulls | 0.80 |
| Soybean, seed | 0.25 |
| Sugarcane, cane | 0.30 |
| Sunflower, seed | 5.0 |
| Turnip, greens | 25 |
| Vegetable, foliage of legume, except soybean, subgroup 7A | 35 |
| Vegetable, legume, edible podded, subgroup 6A | 0.50 |

[1] There are no U.S. registrations for rice, grain.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for residues of the insecticide flubendiamide *per se* $N^2$-[1,1-Dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-$N^1$-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide, in or on the following raw agricultural commodities when present therein as a result of the application of flubendiamide to the growing crops listed in paragraph (a)(1) of this section:

| Commodity | Parts per million |
|---|---|
| Barley, hay | 0.04 |
| Barley, straw | 0.07 |
| Buckwheat | 0.07 |
| Clover, forage | 0.15 |
| Clover, hay | 0.04 |
| Grass, forage | 0.15 |
| Grass, hay | 0.04 |
| Millet, pearl, forage | 0.15 |
| Millet, pearl, hay | 0.04 |
| Millet, proso, forage | 0.15 |
| Millet, proso, hay | 0.04 |
| Millet, proso, straw | 0.07 |
| Oats, forage | 0.15 |
| Oats, hay | 0.04 |
| Oats, straw | 0.07 |
| Rye, forage | 0.15 |
| Rye, straw | 0.07 |
| Teosinte, forage | 0.15 |
| Teosinte, hay | 0.04 |
| Teosinte, straw | 0.07 |
| Triticale, forage | 0.15 |
| Triticale, hay | 0.04 |
| Triticale, straw | 0.07 |
| Wheat, forage | 0.15 |
| Wheat, hay | 0.03 |
| Wheat, straw | 0.03 |

[76 FR 16307, Mar. 23, 2011]

## § 180.640 Pyridalyl; tolerances for residues.

(a) *General*. Tolerances are established for residues of pyridalyl, pyridine,2-[3-[2,6-dichloro-4-[(3,3-dichloro-2-propenyl)oxy]phenoxy]propoxy]-5-(trifluoromethyl, in or on the following raw agricultural commodities:)

| Commodity | Parts per million |
|---|---|
| *Brassica*, head and stem, subgroup 5A | 3.5 |
| Mustard greens | 30 |
| Turnip greens | 30 |
| Vegetable, fruiting, group 8 | 1.0 |
| Vegetables, leafy, except *Brassica*, group 4 | 20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 25533, May 7, 2008]

## § 180.641 Spirotetramat; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the insecticide spirotetramat, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring

only the sum of spirotetramat (cis-3-(2,5-dimethlyphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl-ethyl carbonate) and its metabolites cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, cis-3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro[4.5]decane-2,4-dione, cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl beta-D-glucopyranoside, and cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]decan-2-one, calculated as the stoichiometric equivalent of spirotetramat, in or on the following commodities.

| Commodity | Parts per million |
|---|---|
| Acerola | 2.5 |
| Almond, hulls | 9.0 |
| Aspirated grain fractions | 10.0 |
| Avocado | 0.60 |
| Black sapote | 0.60 |
| Brassica, head and stem, subgroup 5A | 2.5 |
| Brassica, leafy, subgroup 5B | 8.0 |
| Canistel | 0.60 |
| Citrus, oil | 6.0 |
| Cotton gin byproducts[1] | 10.0 |
| Cotton, undelinted seed[1] | 0.30 |
| Feijoa | 0.30 |
| Fruit, citrus, group 10 | 0.60 |
| Fruit, pome, group 11 | 0.70 |
| Fruit, stone, group 12 | 4.5 |
| Grape, raisin | 3.0 |
| Guava | 2.5 |
| Hop, dried cones | 10.0 |
| Jaboticaba | 2.5 |
| Longan | 13.0 |
| Lychee | 13.0 |
| Mamey sapote | 0.60 |
| Mango | 0.60 |
| Nut, tree, group 14 | 0.25 |
| Okra | 2.5 |
| Onion, bulb, subgroup 3A–07[1] | 0.30 |
| Papaya | 2.5 |
| Passionfruit | 2.5 |
| Pistachio | 0.25 |
| Potato, flakes | 1.6 |
| Pulasan | 13.0 |
| Rambutan | 13.0 |
| Sapodilla | 0.60 |
| Small fruit vine climbing subgroup, except fuzzy kiwifruit, subgroup 13–07F | 1.3 |
| Soybean forage | 8.0 |
| Soybean hay | 16.0 |
| Soybean seed | 5.0 |
| Spanish lime | 0.60 |
| Star apple | 0.60 |
| Starfruit | 2.5 |
| Strawberry[1] | 0.40 |
| Vegetable, cucurbit, group 9 | 0.30 |
| Vegetable, foliage of legume, except soybean, subgroup 07A | 7.0 |
| Vegetable, fruiting, group 8 | 2.5 |
| Vegetable, leafy, except brassica, group 4 | 9.0 |
| Vegetable, legume, group 06, except soybean | 2.5 |
| Vegetable, tuberous and corm, subgroup 1C | 0.60 |
| Wax jambu | 2.5 |
| White sapote | 0.60 |

[1] Import tolerance only. There are no U.S. registrations for cotton, onion or strawberry.

(2) Tolerances are also established for residues of the insecticide spirotetramat, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of spirotetramat (*cis*-3-(2,5-dimethlyphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl-ethyl carbonate]) and its metabolite *cis*-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro[4.5]dec-3-en-2-one, calculated as the stoichiometric equivalent of spirotetramat, in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.02 |
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.20 |
| Eggs | 0.02 |
| Goat, fat | 0.02 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.20 |
| Hog, meat byproducts | 0.02 |
| Horse, fat | 0.02 |
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.20 |
| Milk | 0.01 |
| Poultry, meat byproducts | 0.02 |
| Sheep, fat | 0.02 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[73 FR 39256, July 9, 2008, as amended at 76 FR 28681, May 18, 2011]

## § 180.642 Gentamicin; tolerances for residues.

(a) *General*. [Reserved]

(b) *Section 18 emergency exemptions*. Time-limited tolerances specified in the following table are established for residues of gentamicin in or on the specified agricultural commodities, resulting from use of the pesticide pursuant to FIFRA section 18 emergency exemptions. The tolerances expire and

are revoked on the date specified in the following table.

| Commodity | Parts per million | Expiration/revocation date |
|---|---|---|
| Apple | 0.10 | 12/31/10 |

(c) *Tolerance with regional restrictions*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[73 FR 44162, July 30, 2008]

### § 180.643 Uniconazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of the fungicide/plant growth regulator uniconazole-P, (E)-(S)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1H-1,2,4-triazol-1-yl)pent-1-en-3-ol, its *R*-enantiomer and its *Z*-isomer in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Vegetable, fruiting, group 8 | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[73 FR 51736, Sept. 5, 2008]

### § 180.644 Cyprosulfamide; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of the herbicide safener cyprosulfamide, *N*-[[4-[(cyclopropylamino)carbonyl] phenyl]sulfonyl]-2-methoxybenzamide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.20 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.20 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.20 |
| Corn, sweet, forage | 0.40 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.35 |

(2) Tolerances are established for residues of the herbicide safener cyprosulfamide, *N*-[[4-[(cyclopropylamino)carbonyl] phenyl]sulfonyl]-2-methoxybenzamide, and its metabolite 4-(aminosulfonyl)-*N*-cyclopropylbenzamide, calculated as cyprosulfamide, in or on the following raw agricultural commodities:

| Commodity | Parts per million |
|---|---|
| Cattle, meat byproducts | 0.02 |
| Goat, meat byproducts | 0.02 |
| Horse, meat byproducts | 0.02 |
| Sheep, meat byproducts | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertant residues*. [Reserved]

[73 FR 60974, Oct. 15, 2008]

### § 180.645 Thiencarbazone-methyl; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of thiencarbazone-methyl [methyl 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl)-carbonyl]amino]sulfonyl]-5-methyl-3-thiophenecarboxylate], *per se*, in or on the following food and feed commodities:

| Commodity | Parts per million |
|---|---|
| Corn, field, forage | 0.04 |
| Corn, field, grain | 0.01 |
| Corn, field, stover | 0.02 |
| Corn, pop, grain | 0.01 |
| Corn, pop, stover | 0.01 |
| Corn, sweet, forage | 0.05 |
| Corn, sweet, kernel plus cob with husks removed | 0.01 |
| Corn, sweet, stover | 0.05 |
| Wheat, forage | 0.10 |
| Wheat, grain | 0.01 |
| Wheat, hay | 0.01 |
| Wheat, straw | 0.01 |

(2) Tolerances are established for combined residues of thiencarbazone-methyl and its metabolite BYH 18636-MMT [5-methoxy-4-methyl-2,4-dihydro-3*H*-1,2,4-triazol-3-one], calculated as the parent compound, in or on the following food commodities of animal origin:

| Commodity | Parts per million |
|---|---|
| Cattle, meat | 0.02 |
| Cattle, meat byproducts | 0.02 |
| Goat, meat | 0.02 |
| Goat, meat byproducts | 0.02 |

| Commodity | Parts per million |
|---|---|
| Horse, meat | 0.02 |
| Horse, meat byproducts | 0.02 |
| Milk | 0.02 |
| Sheep, meat | 0.02 |
| Sheep, meat byproducts | 0.02 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. Tolerances are established for indirect or inadvertent combined residues of thiencarbazone-methyl and its metabolite BYH 18636-MMT-glucoside [2-hexopyranosyl-5-methoxy-4-methyl-2,4-dihydro-3*H*-1,2,4-triazol-3-one], calculated as the parent compound, in or on the following food commodities:

| Commodity | Parts per million |
|---|---|
| Soybean, forage | 0.04 |
| Soybean, hay | 0.15 |

[73 FR 60968, Oct. 15, 2008]

### § 180.646 Ipconazole; tolerances for residues.

(a) *General*. Tolerances are established for residues of ipconazole, (2-[(4-chlorophenyl)methyl]-5-(1-methylethyl)-1-(1H-1,2,4-triazole-1-ylmethyl) cyclopentanol) from seed treatment in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Cotton, gin byproducts | 0.01 |
| Cotton, undelinted seed | 0.01 |
| Grain, cereal, forage, fodder and straw, group 16, except rice | 0.01 |
| Grain, cereal group 15, except rice | 0.01 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.01 |
| Peanut | 0.01 |
| Soybean, forage | 0.01 |
| Soybean, seed | 0.01 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[73 FR 69559, Nov. 19, 2008]

### § 180.647 d-Phenothrin; tolerances for residues.

(a) *General*. A tolerance of 0.01 parts per million is established for residues of the insecticide d-phenothrin in or on all food/feed crops following wide-area mosquito adulticide applications.

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 32443, July 8, 2009]

### §180.648 Meptyldinocap; tolerances for residues.

(a) *General*. Tolerances are established for the combined residues of the fungicide meptyldinocap, 2-(1-methylheptyl)-4,6-dinitrophenyl (2E)-2-butenoate and 2,4-DNOP, 2,4-dinitro-6-(1-methylheptyl)phenol expressed as meptyldinocap in or on the following commodities:

| Commodity | Parts Per Million |
|---|---|
| Grape | 0.20 |

(b) *Section 18 emergency exemptions*. [Reserved]

(c) *Tolerances with regional registrations*. [Reserved]

(d) *Indirect or inadvertent residues*. [Reserved]

[74 FR 48396, Sept. 23, 2009]

### § 180.649 Saflufenacil; tolerances for residues.

(a) *General*. (1) Tolerances are established for residues of saflufenacil, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only the sum of saflufenacil, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl]-4-fluoro-yl(1-methylethyl)amino] sulfonyl]benzamide, and its metabolites *N*-[2-chloro-5-(2,6-dioxo-4-(trifluoromethyl)-3,6-dihydro-1(2*H*)-pyrimidinyl)-4-fluorobenzoyl]-*N'*-isopropylsulfamide and *N*-[4-chloro-2-fluoro-5-({[(isopropylamino)sulfonyl]

amino}carbonyl)phenyl]urea, calculated as the stoichiometric equivalent of saflufenacil, in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.10 |
| Cotton, gin byproducts | 0.45 |
| Cottonseed subgroup 20C | 0.20 |
| Fruit, citrus, group 10 | 0.03 |
| Fruit, pome, group 11 | 0.03 |
| Fruit, stone, group 12 | 0.03 |
| Grain, aspirated fractions | 10 |
| Grain, cereal, forage, fodder and straw group 16 | 0.10 |
| Grain, cereal, group 15 | 0.03 |
| Grape | 0.03 |
| Nut, tree, group 14 | 0.03 |
| Pea and bean, dried shelled, except soybean, subgroup 6C | 0.30 |
| Pea and bean, succulent shelled, subgroup 6B | 0.03 |
| Pea, hay | 17 |
| Pistachio | 0.03 |
| Rapeseed subgroup 20A | 0.45 |
| Soybean, hulls | 0.50 |
| Soybean, seed | 0.10 |
| Sunflower subgroup 20B | 1.0 |
| Vegetable, foliage of legume, group 7 (except pea, hay) | 0.10 |
| Vegetable, legume, edible podded, subgroup 6A | 0.03 |

(2) Tolerances are established for residues of saflufenacil, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only saflufenacil, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2*H*)-pyrimidinyl]-4-fluoro-*N*-[[methyl(1-methylethyl)amino] sulfonyl]benzamide, in or on the commodities.

| Commodity | Parts per million |
|---|---|
| Cattle, fat | 0.01 |
| Cattle, liver | 2.5 |
| Cattle, meat | 0.01 |
| Cattle, meat byproducts, except liver | 0.05 |
| Goat, fat | 0.01 |
| Goat, liver | 2.5 |
| Goat, meat | 0.01 |
| Goat, meat byproducts, except liver | 0.05 |
| Hog, fat | 0.01 |
| Hog, liver | 0.80 |
| Hog, meat | 0.01 |
| Hog, meat byproducts, except liver | 0.02 |
| Horse, fat | 0.01 |
| Horse, liver | 2.5 |
| Horse, meat | 0.01 |
| Horse, meat byproducts, except liver | 0.05 |
| Milk | 0.01 |
| Sheep, fat | 0.01 |
| Sheep, liver | 2.5 |
| Sheep, meat | 0.01 |
| Sheep, meat byproducts, except liver | 0.05 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[74 FR 46689, Sept. 11, 2009, as amended at 76 FR 27261, May 11, 2011]

### § 180.650 Isoxaben; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide isoxaben, including its metabolites and degradates, in or on the commodities in the table below. Compliance with the tolerance levels specified below is to be determined by measuring only isoxaben, *N*-[3-(1-ethyl-1-methylpropyl)-5-isoxazolyl]-2, 6-dimethoxybenzamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.40 |
| Grape | 0.01 |
| Nut, tree, Group 14 | 0.02 |
| Pistachio | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[75 FR 69360, Nov. 12, 2010]

### § 180.651 Imazosulfuron; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide imazosulfuron, including its metabolites and degradates, in or on the following commodities. Compliance with the tolerance levels specified in the following table below is to be determined by measuring only imazosulfuron, 2-chloro-*N*-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]imidazo-[1,2-α]pyridine-3-sulfonamide, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Pepper, bell | 0.02 |
| Pepper, non-bell | 0.02 |
| Rice, grain | 0.02 |
| Tomato | 0.02 |

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[75 FR 81884, Dec. 29, 2010]

### § 180.652 Ethiprole; tolerances for residues.

(a) *General.* Tolerances (without U.S. registrations) are established for residues of the insecticide ethiprole, including its metabolites and degradate, in or on the following commodities listed in the table. Compliance with the tolerance levels specified in the table is to be determined by measuring only ethiprole [5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(ethyl)-sulfinyl]-1*H*-pyrazole-3-carbonitrile], in or on the following commodities:

| Commodity | Parts per million |
|---|---|
| Rice, grain [1] | 1.7 |
| Tea, dried [1] | 30 |

[1] There are no U.S. registrations for rice and tea.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[76 FR 18921, Apr. 6, 2011]

### § 180.653 Indaziflam; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide indaziflam, *N*-[(1R,2S)-2,3-dihydro-2,6-dimethyl-1*H*-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine, including its metabolites and degradates, in or on the commodities in the following table. Compliance with the tolerance levels specified in the table below is to be determined by measuring only indaziflam, in or on the commodity.

| Commodity | Parts per million |
|---|---|
| Almond, hulls | 0.15 |
| Fruit, citrus, group 10–10 | 0.01 |
| Fruit, pome, group 11–10 | 0.01 |
| Fruit, stone, group 12 | 0.01 |
| Grape | 0.01 |
| Nut, tree, group 14 | 0.01 |
| Olive | 0.01 |
| Pistachio | 0.01 |
| Sugarcane, refined sugar [1] | 0.01 |

[1] Tolerance without a corresponding U.S. registration.

(b) *Section 18 emergency exemptions.* [Reserved]

(c) *Tolerances with regional registrations.* [Reserved]

(d) *Indirect or inadvertent residues.* [Reserved]

[76 FR 18905, Apr. 6, 2011]

## Subpart D—Exemptions From Tolerances

### § 180.900 Exemptions from the requirement of a tolerance.

An exemption from a tolerance shall be granted when it appears that the total quantity of the pesticide chemical in or on all raw agricultural commodities for which it is useful under conditions of use currently prevailing or proposed will involve no hazard to the public health.

[69 FR 23117, Apr. 28, 2004]

### § 180.905 Pesticide chemicals; exemptions from the requirement of a tolerance.

(a) When applied to growing crops, in accordance with good agricultural practice, the following pesticide chemicals are exempt from the requirement of a tolerance:

(1) Petroleum oils.

(2) Piperonyl butoxide.

(3) Pyrethrins.

(4) Rotenone or derris or cube roots.

(5) Sabadilla.

(b) These pesticides are not exempted from the requirement of a tolerance when applied to a crop at the time of or after harvest.

[75 FR 60245, Sept. 29, 2010]

### § 180.910 Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance.

Residues of the following materials are exempted from the requirement of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in

pesticide formulations applied to growing crops or to raw agricultural commodities after harvest:

| Inert ingredients | Limits | Uses |
|---|---|---|
| Acetic acid | | Catalyst |
| Acetic anhydride | | Solvent, cosolvent |
| Acetone | | Do. |
| Alkanoic and alkenoic acids, mono- and diesters of α-hydro-ω-hydroxypoly (oxyethylene) with molecular weight (in amu) range of 200 to 6,000. | | Emulsifiers |
| Alkyl ($C_8$-$C_{24}$) benzenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | | Surfactants, related adjuvants of surfactants |
| $C_{10}$-$C_{18}$-Alkyl dimethyl amine oxides (CAS Reg. Nos. 1643–20–5, 2571–88–2, 2605–79–0, 3332–27–2, 61788–90–7, 68955–55–5, 70592–80–2, 7128–91–8, 85408–48–6, and 85408–49–7). | 15% by weight in pesticide formulation. | Surfactant |
| α-Alkyl($C_6$–$C_{15}$)-ω-hydroxypoly(oxyethylene)sulfate, and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts, poly(oxyethylene) content averages 2–4 moles (CAS Reg. Nos. 3088–31–1, 9004–82–4, 9004–84–6, 13150–00–0, 25446–78–0, 26183–44–8, 32612–48–9, 50602–06–7, 62755–21–9, 68424–50–0, 68511–39–7, 68585–34–2, 68611–55–2, 68891–38–3, 73665–22–2). | Not to exceed 30% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| α-alkyl ($C_{12}$-$C_{15}$)-ω-hydroxypoly (oxypropylene) poly (oxyethylene) copolymers (where the poly (oxypropylene) content is 3–60 moles and the poly (oxyethylene) content is 5–80 moles). | Not more than 20% of pesticide formulations. | Surfactant |
| α-alkyl-ω-hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons (CAS Reg. Nos. 9002–92–0, 9004–95–9, 9005–00–9, 26183–52–8, 34398–01–1, 52292–17–8, 66455–14–9, 66455–15–0, 68002–97–1, 68131–39–5, 68131–40–8, 68154–96–1, 68213–23–0, 68439–45–2, 68439–46–3, 68526–94–3, 68439–50–9, 68439–49–6, 68551–12–2, 68951–67–7, 71243–46–4, 97043–91–9, 9043–30–5, 60828–78–6, 61827–42–7, 24938–91–8, 68439–54–3, 69011–36–5, 78330–20–8, 78330–21–9, 106232–83–1, 127036–24–2, 160875–66–1, 9004–98–2, 68920–66–1, 61804–34–0, 61791–28–4, 71060–57–6, 26468–86–0, 31726–34–8, 52609–19–5, 61791–20–6, 68155–01–1, 69013–19–0, 69364–63–2, 70879–83–3, 78330–19–5, 97953–22–5, 157627–86–6, 34398–05–5, 72905–87–4, 84133–50–6, 61702–78–1, 27306–79–2, 169107–21–5, 61791–13–7, 39587–22–9, 85422–93–1; 68154–98–3, 61725–89–1, 68002–96–0, 68154–97–2, 68439–51–0, 68551–13–3, 68603–25–8, 68937–66–6, 68987–81–5, 69227–21–0, 70750–27–5, 103818–93–5, 166736–08–9, 120313–48–6, 68213–24–1, 68458–88–8, 68551–14–4, 69013–18–9, 69227–22–1, 72854–13–8, 73049–34–0, 78330–23–1, 37311–02–7, 64366–70–7, 37251–67–5, 9087–53–0, 196823–11–7, 57679–21–7, 111905–54–5, 61827–84–7, 172588–43–1). | | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| α-alkyl (minimum C6 linear or branched, saturated and or unsaturated)-ω-hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium and zinc salts of the phosphate esters; minimum oxyethylene content averages 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos. 9046–01–9, 39464–66–9, 50643–20–4, 52019–36–0, 68071–35–2, 68458–48–0, 68585–36–4, 68815–11–2, 68908–64–5, 68511–37–5, 68130–47–2, 42612–52–2, 58318–92–6, 60267–55–2, 68070–99–5, 68186–36–7, 68186–37–8, 68610–65–1, 68071–17–0, 936100–29–7, 936100–30–0, 73038–25–2, 78330–24–2, 154518–39–5, 317833–96–8, 108818–88–8, 873662–29–4, 61837–79–4, 68311–02–4, 68425–73–0, 37280–82–3, 68649–29–6, 67711–84–6, 68891–13–4. | Not to exceed 30% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| N-alkyl (C8-C18) primary amines and their acetate salts where the alkyl group is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 61790–57–6, 61790–58–7, 61790–59–8, 61790–60–1, 61788–46–3, 61790–33–8, 68155–38–4). | Concentration in formulated end-use products not to exceed 10% by weight in herbicide products, 4% by weight in insecticide products, and 4% by weight in fungicide products. | Surfactants, related adjuvants of surfactants |
| Alkyl ($C_8$-$C_{18}$) sulfate and its ammonium, calcium, isopropylamine, magnesium, potassium, sodium, and zinc salts. | ..... | Surfactants. |
| Aluminum hydroxide | ..... | Diluent, carrier |
| Aluminum oxide | ..... | Diluent |
| Aluminum stearate | ..... | Surfactant |
| Ammonium bicarbonate | ..... | Surfactant, suspending agent, dispersing agent |
| Ammonium carbamate | ..... | Synergist in aluminum phosphide formulations |
| Ammonium chloride | ..... | Intensifier when used with ammonium nitrate as a dessicant or defoliant. Fire suppressant in aluminum phosphide and magnesium phosphide formulations |
| Ammonium hydroxide | ..... | Solvent, cosolvent, neutralizer, solubilizing agent |
| Ammonium salts of fatty acids ($C_8$-$C_{18}$ saturated) (CAS Reg. No. 5972–76–9, 63718–65–0, 16530–70–4, 32582–95–9, 2437–23–2, 191799–95–8, 16530–71–5, 93917–76–1, 5297–93–8, 94266–36–1, 1002–89–7). | ..... | Surfactant |
| Ammonium stearate | ..... | Surfactant |
| Ammonium sulfate | ..... | Solid diluent, carrier |
| Ammonium thiosulfate | ..... | Intensifier when used with ammonium nitrate as desiccant or defoliant |
| Amyl acetate | ..... | Solvent, cosolvent, attractant |
| Ascorbyl palmitate | ..... | Preservative |
| Attapulgite-type clay | ..... | Solid diluent, carrier, thickener |
| *Bacillus thuringiensis* fermentation solids and/or solubles. | ..... | Diluent, carrier |
| Bentonite | ..... | Solid diluent, carrier |
| Benzoic acid | ..... | Preservative for formulation |
| Bicyclo[3.1.1]hept–2–ene, 2,6,6–trimethyl–, homopolymer (Alpha-pinene, homopolymer )(CAS Reg. No. 25766–18–1). | ..... | Surfactants, related adjuvants of surfactants |
| Bicyclo[3.1.1]heptane, 6,6–dimethyl–2–methylene–, homopolymer (Beta-pinene, homopolymer) (CAS Reg. No. 25719–60–2). | ..... | Surfactants, related adjuvants of surfactants |
| Bicyclo[3.1.1]hept–2–ene, 2,6,6–trimethyl–, polymer with 6,6– dimethyl–2– methylenebicyclo [3.1.1] heptane (Copolymer of alpha- and beta-pinene) (CAS Reg. No. 31393–98–3). | ..... | Surfactants, related adjuvants of surfactants |
| 2-Bromo-2-nitro-1,3-propanediol (CAS Reg. No. 52–51–7). | 0.04% or less by weight of the total pesticide formulation. | In-can preservative |
| Butane | ..... | Propellant |

| Inert ingredients | Limits | Uses |
|---|---|---|
| *n*-Butanol (CAS Reg. No. 71–36–3) | | Solvent, cosolvent |
| Butylated hydroxyanisole | | Antioxidant |
| Butylated hydroxytoluene | | Do. |
| Calcareous shale | | Solid diluent carrier |
| Calcite | | Do. |
| Calcium carbonate | | Do. |
| Calcium chloride | | Stabilizer |
| Calcium phosphate | | Solid diluent, carrier |
| Calcium hydroxide | | Do. |
| Calcium hypochlorite | | Sanitizing and bleaching agent |
| Calcium lactate pentahydrate (CAS Reg. No. 5743–47–5). | | Nutrient, stabilizer |
| Calcium oxide | | Solid diluent, carrier |
| Calcium salt of partially dimerized rosin, conforming to 21 CFR 172.210. | | Coating agent |
| Calcium silicate | | Solid diluent, carrier |
| Calcium stearate | | Do. |
| Carbon Dioxide (CAS Reg. No. 124–38–9) | None | Propellant |
| Carrageenan, conforming to 21 CFR 172.620 | Minimum molecular weight (in amu): 100,000. | Thickener |
| Cetyl alcohol (CAS Reg. No. 36653–82–4) | Not more than 5.0% of pesticide formulation. | Evaporation retardant |
| Charcoal, activated | Meets specifications in the Food Chemical Codex. | Carrier |
| Coconut shells | | Solid diluent and carrier |
| Cod liver oil | | Solvent, cosolvent |
| Croscarmellose sodium (CAS Reg. No. 74811–65–7). | | Disintegrant, solid diluent, carrier, and thickener |
| n-Decyl alcohol (CAS Reg. No. 112–30–1) | | Solvent or co-solvent |
| Dialkyl ($C_8$-$C_{18}$) dimethyl ammonium chloride | Not more than 0.2% in silica, hydrated silica. | Flocculating agent in the manufacture of silica, hydrated silica for use as a solid diluent, carrier |
| Diatomite (diatomaceous earth) | | Solid diluent carrier |
| Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–75–4). | | Surfactant |
| Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–83–4). | | Surfactant |
| Diethylaminoethanol, ethoxylated, reaction product with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–72–1). | | Surfactant |
| Diethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–81–2). | | Surfactant |
| Diethylene glycol abietate | | Surfactants, related adjuvants of surfactants |
| 1,1-Difluoroethane (CAS Reg. No. 75–37–6) | For aerosol pesticide formulations used for insect control in food- and feed-handling establishments and animals. | Aerosol propellant |
| 1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinolene | Not more than 0.02% of pesticide formulation. | Antioxidant |
| Dimethyl ether (methane, oxybis-) (CAS Reg. No. 115–10–6). | | Propellant |
| Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–42–5). | | Surfactant |
| Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–67–4). | | Surfactant |
| Dimethylaminoethanol, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–38–9). | | Surfactant |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–49–2). | ..... | Surfactant |
| 3,6-Dimethyl-4-octyn-3,6-diol ..... | Not more than 2.5% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Dipropylene glycol ..... | ..... | Solvent, cosolvent |
| Disodium phosphate ..... | ..... | Anticaking agent, conditioning agent |
| Disodium zinc ethylenediaminetetraacetate dihydride. | ..... | Sequestrant |
| Dolomite ..... | ..... | Solid diluent, carrier |
| Epoxidized linseed oil ..... | ..... | Surfactants, related adjuvants of surfactants |
| Epoxidized soybean oil ..... | ..... | Do. |
| Ethyl acetate ..... | ..... | Solvent, cosolvent |
| Ethyl alcohol ..... | ..... | Do. |
| Ethyl esters of fatty acids derived from edible fats and oils. | ..... | Solvent, cosolvent |
| Ethyl maltol (CAS Reg. No.4940–11–8) ..... | Not more than 0.2 % of the pesticide formulation. | Odor masking agent |
| Ethylene glycol (CAS Reg. No. 107–21–1) ..... | Without limitation ..... | Encapsulating agent for pesticides being applied post-harvest as residual, and crack and crevice sprays in and around food and nonfood areas of residential and nonresidential structures, including food handling establishments |
| Ethylene oxide adducts of 2,4,7,9-tetramethyl-5-decynediol, the ethylene oxide content averages 3.5, 10 or 30 moles (CAS Reg. No. 9014–85–1). | ..... | Surfactants, related adjuvants of surfactants |
| (S,S)-Ethylenediamine disuccinic acid trisodium salt (CAS Reg. No. 178949–82–1). | ..... | Sequestrant or chelating agent |
| Ethylenediaminetetraacetic acid ..... | 3% of pesticide formulation | Sequestrant |
| Ethylenediaminetetraacetic acid, tetrasodium salt. | 5% of pesticide formulation | Sequestrant |
| 2-Ethyl-1-hexanol ..... | Not more than 2.5% of pesticide formulation. | Solvent, adjuvant of surfactants |
| Fatty acids, conforming to 21 CFR 172.860 ..... | ..... | Binder, defoaming agent, lubricant |
| FD&C Blue No. 1 ..... | Not more than 0.2% of pesticide formulation. | Dye |
| FD&C Red No. 40 (CAS Reg. No. 25956–17–6) conforming to 21 CFR 74.340. | Not to exceed 0.002% by weight of pesticide formulation. | Dye, coloring agent |
| Ferric Citrate (CAS Reg. No. 2338–05–8) ..... | ..... | Stabilizer |
| Ferric sulfate ..... | ..... | Solid diluent, carrier |
| Furcelleran ..... | ..... | Thickener |
| D-glucopyranose, oligomeric, $C_{10-16}$-alkyl glycosides (CAS Reg. No. 110615–47–9). | ..... | Surfactant |
| Glycerides, edible fats and oils derived from plants and animals, reaction products with sucrose (CAS Reg. Nos. 100403–38–1, 100403–41–6, 100403–39–2, 100403–40–5). | ..... | Emulsifier, dispersing agent |
| Glycerol mono-, di-, and triacetate ..... | ..... | Solvent, cosolvent |
| Glyceryl monostearate ..... | ..... | Emulsifier |
| Granite ..... | ..... | Do. |
| Graphite ..... | ..... | Solid diluent, carrier |
| Gum arabic (acacia) ..... | ..... | Surfactant, suspending agent, dispersing agent |
| Gypsum ..... | ..... | Solid diluent, carrier |
| Hexamethylenetetramine ..... | For use in citrus washing solutions only at not more than 1%. | Preservative |
| 3-hexen-1-ol, (3Z)- (CAS Reg. No. 928-96-1) ..... | Not more than 0.4% of the pesticide formulation. | Odorant, alerting agent |
| *n*-Hexyl alcohol (CAS Reg. No. 111–27–3) ..... | ..... | Solvent, cosolvent |
| $C_9$ rich aromatic hydrocarbons (CAS Reg. No. 64742–95–6). | ..... | Solvent |
| $C_{10-11}$ rich aromatic hydrocarbons (CAS Reg. No. 64742–94–5). | ..... | Solvent |
| $C_{11-12}$ rich aromatic hydrocarbons (CAS Reg. No. 64742–94–5). | ..... | Solvent |
| Hydrochloric acid ..... | ..... | Solvent, neutralizer |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–06–4). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–17–7). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–00–8). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–09–7). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–22–4. | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–28–0). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–20–2). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–25–7). | ..... | Surfactant |
| Hydroxyethylidine diphosphonic acid (HEDP) (CAS Reg. No. 2809–21–4). | For use in antimicrobial pesticide formulations at not more than 1 percent. | Stabilizer, chelator |
| Iron oxide | ..... | Solid diluent, carrier |
| Isobutane (CAS Reg. No. 75–28–5) | None | Propellant |
| Isopropyl myristate (CAS Reg. No. 110–27–0) | ..... | Solvent |
| Kaolinite-type clay | ..... | Solid diluent, carrier |
| Lactic acid | ..... | Solvent |
| Lactic acid, 2-ethylhexyl ester (CAS Reg. No. 6283–86–9). | ..... | Solvent |
| Lactic acid, 2-ethylhexyl ester, (2S)- (CAS Reg. No. 186817–80–1). | ..... | Solvent |
| Lactic acid, n-propyl ester, (S); (CAS Reg. No. 53651–69–7). | ..... | Solvent |
| Lauryl alcohol | ..... | Surfactant |
| Lignin (CAS Reg. No. 9005–53–2) | ..... | Surfactant, related adjuvants of surfactants |
| Lignin, alkali (CAS Reg. No. 8068–05–1) | ..... | Do. |
| Lignin, alkali, oxidized, sodium salt (CAS Reg. No. 68201–23–0). | ..... | Do. |
| Lignin alkali reaction products with disodium sulfite and formaldehyde (CAS Reg. No. 105859–97–0). | ..... | Do. |
| Lignin alkali reaction products with formaldehyde and sodium bisulfite (CAS Reg. No. 68512–35–6). | ..... | Do. |
| Lignosulfonic acid (CAS Reg. No. 8062–15–5) | ..... | Do. |
| Lignosulfonic acid, ammonium calcium salt (CAS Reg. No. 12710–04–2). | ..... | Do. |
| Lignosulfonic acid, ammonium magnesium salt (CAS Reg. No. 123175–37–1). | ..... | Do. |
| Lignosulfonic acid, ammonium salt (CAS Reg. No. 8061–53–8). | ..... | Do. |
| Lignosulfonic acid, ammonium sodium salt (CAS Reg. No. 166798–73–8). | ..... | Do. |
| Lignosulfonic acid, calcium magnesium salt (CAS Reg. No. 55598–86–2). | ..... | Do. |
| Lignosulfonic acid, calcium salt (CAS Reg. No. 8061–52–7). | ..... | Do. |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Lignosulfonic acid, calcium sodium salt (CAS Reg. No. 37325–33–0). | | Do. |
| Lignosulfonic acid, ethoxylated, sodium salt (CAS Reg. No. 68611–14–3). | | Do. |
| Lignosulfonic acid, magnesium salt (CAS Reg. No. 8061–54–9). | | Do. |
| Lignosulfonic acid, potassium salt (CAS Reg. No. 37314–65–1). | | Do. |
| Lignosulfonic acid, sodium salt (CAS Reg. No. 8061–51–6). | | Do. |
| Lignosulfonic acid, sodium salt, oxidized (CAS Reg. No. 68855–41–4). | | Do. |
| Lignosulfonic acid, sodium salt, polymer with formaldehyde and phenol (CAS Reg. No. 37207–89–9). | | Do. |
| Lignosulfonic acid, sodium salt, sulfomethylated (CAS Reg. No. 68512–34–5). | | Do. |
| Lignosulfonic acid, zinc salt (CAS Reg. No. 57866–49–6). | | Do. |
| d-Limonene (CAS Reg. No. 5989–27–5) | | Solvent, fragrance |
| Magnesium carbonate | | Anticaking agent, conditioning agent |
| Magnesium chloride | | Safener |
| Magnesium lime | | Solid diluent, carrier |
| Magnesium oxide | | Do. |
| Magnesium silicate | | Do. |
| Magnesium stearate | | Surfactant |
| Magnesium sulfate | | Solid diluent, carrier, safener |
| Methyl alcohol | | Solvent |
| Methyl *n*-amyl ketone (CAS Reg. No. 110–43–0) | | Solvent, cosolvent |
| Methylated silicones | | Antifoaming agent |
| Methyl esters of fatty acids derived from edible fats and oils. | | Solvent, cosolvent |
| Methyl esters of higher fatty acids conforming to 21 CFR 573.640. | | Antidusting agent, surfactant |
| Methyl isobutyl ketone | | Solvent |
| 2-methyl-2,4-pentanediol (CAS Reg. No. 107–41–5). | Without limitation | Growing crops and food animals |
| 2-methyl-1,3-propanediol (CAS Reg. No. 2163–42–0). | | Solvent, surfactant |
| Mono-, di-, and trimethylnapthalenesulfonic acids and napthalenesulfonic acids formaldehyde condensates, ammonium and sodium salts (CAS Reg. Nos 9008–63–3, 9069–80–1, 9084–06–4, 36290–04–7, 91078–68–1, 141959–43–5, 68425–94–5). | | Surfactants, related adjuvants of surfactants |
| Mica | | Solid diluent, carrier |
| Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a) (CAS Reg. No. 8012–95–1). | | Diluent, carrier, and solvent |
| Monoammonium phosphate | No more than 3.75% by weight in formulation. | Postharvest fumigation in formulation with aluminum phosphide |
| Mono- and diglycerides of $C_8$-$C_{18}$ fatty acids | | Surfactants, related adjuvants of surfactants |
| Montmorillonite-type clay | | Solid diluent, carrier |
| Nonyl, decyl, and undecyl glycoside mixture with a mixture of nonyl, decyl, and undecyl oligosaccharides and related reaction products (primarily decanol and undecanol) produced as an aqueous-based liquid (50 to 65% solids) from the reaction of primary alcohols (containing 15 to 20% secondary alcohol isomers) in a ratio of 20% $C_9$, 40% $C_{10}$, and 40% $C_{11}$ with carbohydrates (average glucose to alkyl chain ratio 1.3 to 1.8). | | Surfactant. |

| Inert ingredients | Limits | Uses |
|---|---|---|
| α-(p-nonylphenol)-ω-hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4-14 or 30 moles (CAS Reg. Nos. 51811–79–1, 59139–23–0, 67922–57–0, 68412–53–3, 68553–97–9, 68954–84–7, 99821–14–4, 152143–22–1, 51609–41–7, 37340–60–6, 106151–63–7, 68584–47–4, 52503–15–8, 68458–49–1). | Not to exceed 7% of pesticide formulation. Expires May 17, 2012. | Surfactants, related adjuvants of surfactants |
| α-(*p*-Nonylphenyl)-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-90 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 4-14 or 30-90. | ..... | Surfactants, related adjuvants of surfactants |
| α-(p-nonylphenol)-ω-hydroxypoly(oxyethylene) sulfate, ammonium, calcium, magnesium, potassium, sodium, and zinc salts the nonyl group is propylene trimer isomer and the poly(oxyethylene) content averages 4 moles (CAS Reg Nos. 9014–90–8, 9051–57–4, 9081–17–8, 68649–55–8, 68891–33–8). | Not to exceed 7% of pesticide formulation. Expires May 17, 2012. | Surfactants, related adjuvants of surfactants |
| 1-Octanal (CAS Reg. No. 124–13–0) ..... | Not more than 0.2% of the pesticide formulation. | Odor masking agent |
| n-Octyl alcohol (CAS Reg. No. 111–87–5) ..... | ..... | Solvent or co-solvent |
| Octyl and decyl glucosides mixture with a mixture of octyl and decyloligosaccharides and related reaction products (primarily *n*-decanol) produced as an aqueous-based liquid (68-72% solids) from the reaction of straight chain alcohols ($C_8$(45%), $C_{10}$ (55%)) with anhydrous glucose. | ..... | Surfactants, related adjuvants of surfactants |
| Oleic acid ..... | ..... | Diluent |
| Oleic acid diester of α-hydro-ω-hydroxypoly (oxyethylene); the poly(oxyethylene) having average molecular weight (in amu) 400. | ..... | Surfactants, related adjuvants of surfactants |
| α-Oleoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600. | ..... | Emulsifier |
| Oleyl alcohol (CAS Reg. No. 143–28–2 ..... | 15% ..... | Cosolvent |
| Oxalic acid ..... | No more oxalic acid should be used than is necessary to chelate calcium and in no case should more than 2 lb oxalic acid per acre be used. | Calcium chelating hard water inhibitor |
| Palmitic acid ..... | ..... | Diluent |
| Pentaerythritol ester of maleic anhydride modified wood rosin. | ..... | Plasticizer |
| Petrolatum, conforming to 21 CFR 172.880 ..... | ..... | Coating agent |
| Petroleum hydrocarbons, light odorless conforming to 21 CFR 172.884. | ..... | Solvent, diluent. |
| Petroleum hydrocarbons, synthetic isoparaffinic, conforming to 21 CFR 172.882. | ..... | Do. |
| Petroleum naphtha, conforming to 21 CFR 172.250(d). | ..... | Component of coating agent |
| Petroleum wax, conforming to 21 CFR 172.886(d). | ..... | Coating agent |
| Phosphoric acid ..... | ..... | Buffer |
| Polyethylene, conforming to 21 CFR 177.1520(c). | ..... | Binder, carrier, and coating agent |
| Polyethylene glycol[α-hydro-ω-hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750. | ..... | Surfactants, related adjuvants of surfactants |
| Polyglycerol esters of fatty acids conforming to 21 CFR 172.854. | ..... | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Polyglyceryl phthalate ester of coconut oil fatty acids, including fatty acid coco polymers with glyceryl and phthalic anhydride (CAS No. 67746–02–5) and coconut oil polymer with glyceryl and phthalic anhydride (CAS No. 66070–87–9). | None | Surfactants, related adjuvants of surfactants |
| Poly(oxy-1,2-ethanediyl), α-(carboxymethyl)-ω-(nonylphenoxy) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-90 moles of ethylene oxide. The molecular weight (in amu) ranges are 454-894 and 1598-4238. | | Surfactant |
| Poly(oxy-1,2-ethanediyl), α-[tris(1-phenylethyl)phenyl]-ω-hydroxy-, (CAS Reg. No. 99734–09–5). | For use in post-harvest applications; not to exceed 15% by weight in pesticide formulations. | Surfactants |
| Polyoxyethylene (20) sorbitan monostearate | | Surfactants, related adjuvants of surfactants |
| [Poly[oxy(methyl-1,2-ethanediyl)], α-[2-bis(2-hydroxyethyl)amino]propyl]-ω-hydroxy,-ether with α-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl) (1:2), mono-$C_{12-16}$ alkyl ethers, (CAS Reg. No. 176022–82–5). | Not to exceed 15% in the formulated product; only for use with glyphosate. | Surfactant |
| Polysorbate 65, conforming to 21 CFR 172.838 | | Emulsifier |
| Potassium aluminum silicate | | Solid diluent, carrier |
| Potassium benzoate (Cas No. 582–25–2) | None | Preservative |
| Potassium hydroxide | | Neutralizer |
| Potassium phosphate | | Buffer |
| Potassium sulfate | | Solid diluent |
| Propane | | Propellant |
| 2-Propanol, 1,1′,1″-nitrilotris- (CAS No. 122–20–3). | Without limitation | Neutralizer |
| n-Propanol | | Solvent, cosolvent |
| 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CAS Registration No. 55989–05–4), minimum number average molecular weight (in amu), 18,900.. | | Encapsulating agent, dispensers, resins, fibers and beads |
| Propylene glycol | | Solvent, cosolvent. |
| Propylene glycol alginate (as defined in 21 CFR 172.858). | | Defoaming agent |
| Propyl gallate | | Antioxidant |
| Propyl *p*-hydroxybenzoate | | Preservative for formulations |
| Pyrophyllite | | Solid diluent, carrier |
| *Rhizobium* inoculants (e.g. *Sinorhizobium, Bradyrhizobium & Rhizobium*). | | All leguminous food commodities |
| Rosin, partially dimerized (as defined in 21 CFR 172.615). | | Surfactants, related adjuvants of surfactants |
| Rosin, partially hydrogenated (as defined in 21 CFR 172.615). | | Do. |
| Rosin, wood | | Do. |
| Salts of fatty acids, conforming to 21 CFR 172.863. | | Binder, emulsifier, anticaking agent |
| Sand | | Solid diluent, carrier |
| Shellac, bleached; refined, food grade, arsenic and rosin-free. | | Coating agent |
| Silver nitrate (Cas Reg. No. 7761–88–8) | For use on potatoes as post-harvest treatment to control sprouting at no more than 0.06% by weight in pesticide formulations. | Stabilizer |
| Soapstone | | Solid diluent |
| Sodium acid pyrophosphate | | Surfactant, suspending agent, dispersing agent, buffer |
| Sodium alkyl naphthalenesulfonates (CAS Reg. Nos. 68909–83–1, 68909–84–2, 68909–82–0, 27213–90–7, 26264–58–4, 27178–87–6, 111163–74–7, 908356–16–1, 25417–20–3, 25638–17–9, 145578–88–7, 1322–93–6, 1323–19–9, 7403–47–6, 68442–09–1, 127646–44–0, 908356–18–3). | Limited to no more than 30% by weight in pesticide end-use products. | Surfactants, related adjuvants of surfactants |
| Sodium aluminum silicate | | Solid diluent, carrier |
| Sodium dioctylsulfosuccinate | | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Sodium 1,4-dihexyl sulfosuccinate (CAS Reg. No. 3006–15–3). | ..... | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-diisobutyl sulfosuccinate (CAS Reg. No. 127–39–9). | ..... | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-dipentyl sulfosuccinate (CAS Reg. No. 922–80–5). | ..... | Surfactants, related adjuvants of surfactants |
| Sodium hexametaphosphate | ..... | Surfactant, emulsifier, wetting agent, suspending agent, dispersing agent, buffer |
| Sodium hydroxide | ..... | Neutralizer |
| Sodium metasilicate | ..... | Surfactants, emulsifiers, wetting agents, dispersing agents, buffer |
| Sodium monoalkyl and dialkyl (C6-C16) phenoxy benzenedisulfonates and related acids (CAS Reg. Nos. 147732–59–0, 147732–60–3, 169662–22–0, 70191–75–2, 36445–71–3, 39354–74–0, 70146–13–3, 119345–03–8, 149119–20–0, 149119–19–7, 119345–04–9, 28519–02–0, 25167–32–2, 30260–73–2, 65143–89–7, 70191–76–3). | Not to exceed 20% in pesticide formulations. | Surfactants, related adjuvants of surfactants |
| Sodium α-olefinsulfonate (sodium $C_{14}$-$C_{16}$) (Olefin sulfonate). | ..... | Surfactants, related adjuvants of surfactants |
| Sodium *N*-oleoyl- *N*-methyl taurine (CAS Reg. No. 137–20–2). | ..... | Surfactants, related adjuvants of surfactants |
| Sodium and potassium salts of N-alkyl ($C_8$–$C_{18}$)-beta-iminodipropionic acid where the $C_8$–$C_{18}$ is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 110676–19–2, 3655–00–3, 61791–56–8, 14960–06–6, 26256–79–1, 90170–43–7, 91696–17–2, 97862–48–1). | Concentration in formulated end-use products not to exceed 30% by weight in pesticide formulations. | Surfactants, related adjuvants of surfactants |
| Sodium salt of sulfated oleic acid | ..... | Surfactants, related adjuvants of surfactants |
| Sodium silicate | ..... | Surfactant, emulsifier, wetting agent, stabilizer, inhibitor |
| Sodium starch glycolate (CAS Reg. No. 9063–38–1). | Granular and tableted products only; not to exceed 8% of the formulated product. | Disintegrant |
| Sodium sulfate | ..... | Solid diluent, carrier |
| Sodium tripolyphosphate | ..... | Buffer, surfactant, suspending agent, dispersing agent, anticaking agent, conditioning agent |
| Sorbic acid (CAS Reg. No. 110–44–1) | ..... | Preservative for formulations |
| Sorbitan fatty acid esters (fatty acids limited to $C_{12}$, $C_{14}$, $C_{16}$, and $C_{18}$ containing minor amounts of associated fatty acids) and their derivatives; the poly(oxyethylene) content averages 5-20 moles. | ..... | Surfactants, related adjuvants or surfactants. |
| Soybean flour | Expires May 24, 2005. | Surfactant |
| Soybean oil-derived fatty acids | ..... | Solvent, cosolvent |
| Stearic acid | ..... | Diluent |
| α-Stearoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600. | ..... | Emulsifier |
| α-Stearoyl-ω-hydroxypoly(oxyethylene); the poly(oxyethylene) content averages either 8, 9, or 40 moles; if a blend of products is used, the average number of moles ethylene oxide reacted to produce any product that is a component of the blend shall be either 8, 9, or 40. | ..... | Surfactants, related adjuvants of surfactants |
| Sucrose octaacetate | ..... | Adhesive |
| Sulfite liquors and cooking liquors, spent, oxidized (CAS Reg. No. 68514–09–0). | ..... | Surfactant, related adjuvants of surfactants |
| Sulfuric acid (CAS Reg. No.7664–93–9) | Not to exceed 10% of the pesticide formulation; non-aerosol formulations only. | pH Control agent |
| Synthetic paraffin and its succinic derivatives conforming to 21 CFR 172.275. | ..... | Carrier, binder, and carrying agent |
| Synthetic petroleum wax, conforming to 21 CFR 172.888. | ..... | Binder, carrier, and coating agent |
| Talc | ..... | Solid diluent, carriers |
| Tall oil; fatty acids not less than 58%, rosin acids not more than 44%, unsaponifiables not more than 8%. | ..... | Surfactants, related adjuvants of surfactants |
| Tartrazine | ..... | Dye |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Terpenes and terpenoids, turpentine oil, alpha-pinene fraction, polymd. (CAS Reg. No. 70750–57–1). | ..... | Surfactants, related adjuvants of surfactants |
| 1,1,1,2-Tetrafluoroethane, (CAS Reg. No. 811–97–2). | ..... | Aerosol propellant |
| Tetrahydrofurfuryl alcohol (THFA) (CAS Reg. No 97–99–4). | Expires February 9, 2008 ... | Solvent/cosolvent |
| N,N,N′,N″,-tetrakis-(2-hydroxypropyl) ethylenediamine (CAS Reg. No. 102–60–3). | Concentration in formulated end-use products not to exceed 20% by weight in pesticide formulations. | Stabilizer for formulation. |
| α-[*p*-(1,1,3,3-tetramethylbutyl)phenyl]-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of *p*-(1,1,3,3-tetramethylbutyl)phenol with a range of 1–14 or 30–70 moles of ethylene oxide: If a blend of products is used, the average range number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 1–14 or 30–70 (CAS Reg. Nos. 9036–19–5, 9002–93–1). | Not to exceed 7% of pesticide formulation. Expires May 17, 2012. | Surfactants, related adjuvants of surfactants |
| 2,4,7,9-Tetramethyl-5-decyn-4, 7-diol ..... | Not more than 2.5% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Tetrasodium pyrophosphate ..... | ..... | Anticaking agent, conditioning agent |
| Thiosulfuric acid, disodium salt, anhydrous. (CAS Reg. No 7772–98–7). | ..... | Dechlorinator, reducing agent |
| Thiosulfuric acid, disodium salt, pentahydrate. (CAS Reg. No. 10102–17–7). | ..... | Do. |
| d-Alpha tocopherol (CAS Reg. No. 9–02–9 ..... | None ..... | Safener |
| d-Alpha tocopheryl acetate (CAS Reg. No. 58–95–7). | None ..... | Do. |
| dl-Alpha tocopherol (CAS Reg. No.10191–41–0) | None ..... | Do. |
| dl-Alpha tocopheryl acetate (CAS Reg. No. 7695–91–2). | None ..... | Do. |
| Tricalcium phosphate ..... | ..... | Surfactant, suspending agent, dispersing agent, anticaking agent, conditioning agent |
| Trisodium phosphate ..... | ..... | Surfactant, emulsifier, wetting agent |
| Vermiculite ..... | ..... | Solid diluent, carrier. |
| Vitamin E (CAS Reg. No. 1406–18–4) ..... | None ..... | Safener |
| Walnut shells ..... | ..... | Leaching inhibitor, binder for water-dispersible aggregates, sticker and suspension stabilizer |
| Wintergreen oil ..... | ..... | Attractant |
| Wood flour ..... | Derived from wood free of chemical preservatives. | Solid diluent and carrier |
| Xanthan gum-modified, produced by the reaction of xanthan gum and glyoxal (maximum 0.3% by weight). | Not more than 0.5% of pesticide formulation. | Surfactant |
| Xylene meeting the specifications listed in 21 CFR 172.884(b)(4). | In pesticide formulations for grain storage only. | Solvent, cosolvent |
| Zeolite (hydrated alkali aluminum silicate) ..... | ..... | Solid diluent, carrier |
| Zinc oxide ..... | ..... | Coating agent |
| Zinc sulfate (basic and monohydrate) ..... | ..... | Do. |
| Zinc sulfate (basic and monohydrate) ..... | ..... | Solid diluent, carrier |

[69 FR 23117, Apr. 28, 2004]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §180.910, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.920 Inert ingredients used preharvest; exemptions from the requirement of a tolerance.

The following materials are exempted from the requirement of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only:

| Inert ingredients | Limits | Uses |
|---|---|---|
| Acetophenone ..... | ..... | Attractant |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Adenosine (CAS Reg. No. 58–61–7) | Maximum of 0.5% of formulation. | Synergist |
| Alder bark | | Seed germination stimulator |
| Alkyl ($C_{12}$-$C_{16}$) dimethyl ammonio acetate (CAS Reg. Nos. 683–10–3, 2601–33–4 and 693–33–4. | 20% by weight in pesticide formulation. | Surfactant |
| α-Alkyl (minimum $C_6$ linear, branched, saturated and/or unsaturated)-ω-hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; minimum oxyethylene content is 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos. 9046–01–9, 37280–82–3, 39464–66–9, 42612–52–2, 50643–20–4, 52019–36–0, 58318–92–6, 60267–55–2, 61837–79–4, 67711–84–6, 68070–99–5, 68071–35–2, 68071–17–0, 68130–47–2, 68186–37–8, 68186–36–7, 68311–02–4, 68425–73–0, 68458–48–0, 68511–37–5, 68610–65–1, 68585–36–4, 68649–29–6, 68815–11–2, 68908–64–5, 68891–13–4, 73038–25–2, 78330–24–2, 108818–88–8, 154518–39–5, 317833–96–8, 873662–29–4, 936100–29–7, 936100–30–0). | Not to exceed 30% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| N-alkyl ($C_8$-$C_{18}$) primary amines and their acetate salts where the alkyl group is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 61790–57–6, 61790–58–7, 61790–59–8, 61790–60–1, 61788–46–3, 61790–33–8, 68155–38–4). | Concentration in formulated end-use products not to exceed 10% by weight in herbicide products, 4% by weight in insecticide products, and 4% by weight in fungicide products. | Surfactants, related adjuvants of surfactants |
| *N,N*-Bis-α-ethyl-ω-hydroxypoly(oxy-1,2-ethanediyl) $C_8$-$C_{18}$ saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl) content is 2–60 moles (CAS Reg. Nos. 10213–78–2, 25307–17–9, 26635–92–7, 26635–93–8, 288259–52–9, 58253–49–9, 61790–82–7, 61791–14–8, 61791–24–0, 61791–26–2, 61791–31–9, 61791–44–4, 68155–33–9, 68155–39–5, 68155–40–8,70955–14–5, 73246–96–5). | Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations. | Surfactants, related adjuvants of surfactants |
| *N,N*–Bis-α-ethyl-ω-hydroxypoly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) $C_8$-$C_{18}$ saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) content is 2–60 moles (CAS Reg. Nos. 68213–26–3, 68153–97–9, 75601–76–2). | Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations. | Surfactants, related adjuvants of surfactants |
| Aluminum sulfate | | Safener adjuvant |
| Ammonium chloride (CAS Reg. No. 12125–02–9). | | Carrier/nutrient |
| Ammonium formate (CAS Reg. No. 540–69–2) | | Complexing or fixing agent |
| Ammonium nitrate (CAS Reg. No. 6484–52–2) | | Adjuvant/ intensifier for herbicides |
| Ammonium polyphosphate (CAS Reg. No. 68333–79–9). | | Sequestrant, buffer, or surfactant |
| Barium sulfate | | Carrier |
| 1,4-Benzenedicarboxylic acid, dimethyl ester, polymer with 1,4-butanediol, adipic acid, and hexamethylene diisocyanate, minimum number average molecular weight (in amu) 30,000 (CAS Reg. No. 55231–08–8). | For use in honeybee hive miticide formulations. | Component of controlled release agent |
| 1,2-Benzisothiazolin-3-one | Not more than 0.1% of formulation. Not more than 0.02 lb to be applied per acre. | Preservative/stabilizer |
| Boric acid | | Sequestrant |
| Buffalo gourd root powder (*Cucurbita foetidissima* root powder); or, Zucchini juice (*Cucurbita pepo* juice) or Hawkesbury melon *Citrullus lanatus*.. | No more than 2.5 lbs/acre/season (3.4 gm/acre/season of Cucurbitacin). | Gustatory stimulant |
| Butyl stearate | | Defoamer |

| Inert ingredients | Limits | Uses |
|---|---|---|
| γ-Butyrolactone | | Solvent |
| C.I. Pigment Blue #15 (CAS Reg. No. 147–14–8; containing no more than 50 ppm polychlorinated biphenyls (PCBs)). | For seed treament use only | Dye, coloring agent |
| C.I. Pigment Green #7 (CAS Reg. No. 1328–53–6; containing no more than 50 ppm polychlorinated biphenyls (PCBs)). | For seed treatment use only. | Dye, coloring agent |
| C.I. Pigment Violet #23 (CAS Reg. No. 6358–30–1; containing no more than 20 ppb of polychlorinated dibenzo-*p*-dioxins and/or polychlorinated dibenzofurans). | For seed treatment use only. | Dye, coloring agent |
| Camphor (CAS Reg. No. 76–22–2) | Not more than 5% weight to weight (w/w) of pesticide formulations. | Deodorant, melting point adjustment |
| Carbon Black (CAS Reg. No. 1333–86–4) | For seed treatment use only. | Colorant |
| Carbonic acid, dipotassium salt (CAS Reg. No. 584–08–7). | | Buffering agent |
| Carbonic acid, dipotassium salt, trihydrate (CAS Reg. No. 18662–52–7). | | Buffering agent |
| Carous chloride | 10 ppm in formulation | Tagging agent |
| Carrageenan, conforming to 21 CFR 172.260 | Not more than 0.15% of pesticide formulation. | Thickener and stabilizer for pesticide formulations applied to seeds before planting |
| Chlorobenzene | Contains not more than 1% impurities. Not for use after edible parts of plant begin to form. Do not graze livestock in treated areas within 48 hours after application. | Solvent, cosolvent |
| 5-Chloro-2-methyl-4-isothiazolin-3-one (in combination with 2-methyl-4-isothiazolin-3-one). | Not more than 0.0022% (22.5 ppm) in the formulation; 0.00022% (or 2.25 ppm) in the final solution applied to growing crops. | Preservative |
| Choline chloride (CAS Reg. No. 67–48–1) | | As a solvent |
| Choline hydroxide (CAS Reg No. 123–41–1) | Without limitation | Neutralizer |
| Cis-isomer of 1-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride (CAS Reg. No. 51229–78–8). | Maximum of 0.14% by weight of formulation. | Preservative |
| Copper naphthenate | Not more than 2.5% of formulation; application limited to before edible portions of plants begin to form. | Mercaptan scavenger in technical pesticide |
| Cyclohexane | | Solvent, cosolvent |
| Cyclohexanone | | Do. |
| Cysteine (CAS Reg. No. 52–90–4) | Maximum of 0.5% of formulation. | Synergist |
| D&C Green No. 6 | | Dye |
| D&C Red No. 17, technical grade | | Dye |
| D&C Red No. 33 (CAS Reg. No. 3567–66–6); meeting the specifications listed in 21 CFR 74.1333. | | Dye |
| D&C Violet No. 2, technical grade | Not more than 0.005% of pesticide formulation. | Dye |
| Decanamide, N,N-dimethyl (CAS Reg. No. 14433–76–2). | | Emulsifier, solvent, cosolvent |
| Diammonium phosphate (CAS Reg. No. 7783–28–0). | | Buffer, surfactant |
| dibenzylidene sorbitol (32647–67–9) | | Thinning agent |
| Diethanolamine | | Stabilizer, inhibitor for formulations used before crop emerges from soil |
| Diethanolamine salts of alkyl ($C_8$-$C_{24}$) benzenesulfonic acid (CAS Reg. Nos. 26545–53–9 and 68953–97–9). | Not to exceed 7% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Diethylene glycol | | Deactivator, adjuvant for formulations used before crop emerges from soil |
| Diethylene Glycol (CAS No. 111–46–6) | Without limitation | Solvent, stabilizer and/or antifreeze |
| Diethylene glycol and diethylene glycol monobutyl, monoethyl, and monomethyl ethers. | | Deactivator for formulations used before crop emerges from soil, stabilizer |
| Diethylene glycol mono butyl ether (CAS Reg. No. 112–34–5). | Without limitation | Pesticide inert ingredient as a solvent, stabilizer and/or antifreeze |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Diethylene Glycol MonoEthyl Ether (CAS Reg. No. 111–90–0). | Without limitation | Solvent, stabilizer and/or antifreeze |
| Dimethylaminopropylamine, isopropylamine, ethanolamine, and triethanolamine salts of alkyl ($C_8$-$C_{24}$) benzenesulfonic acid (CAS Reg. Nos. 26264–05–1, 27323–41–7, 55470–69–4, 68411–31–4, 68584–24–7, 68584–25–8, 68648–81–7, 68648–96–4, 68649–00–3, 68910–32–7, 68953–93–5, 90194–42–6, 90194–53–9, 90218–35–2, 157966–96–6, 319926–68–6, 877677–48–0, 1093628–27–3). | | Surfactants, related adjuvants of surfactants |
| 3,6-Dimethyl-4-octyn-3,6-diol | In pesticide formulations, for soil prior to planting or to plants before edible parts form. | Surfactants, related adjuvants of surfactants |
| Dimethyl sulfoxide | | Solvent or cosolvent for formulations used before crop emerges from soil or prior to formation of edible parts of food plants |
| Dipotassium hydrogen phosphate | | Buffering agent |
| Dipropylene glycol monomethyl ether | | Stabilizer |
| Douglas-fir bark, ground | | Solid diluent, carrier |
| Dysprosium chloride | 10 ppm in formulation | Tagging agent |
| 1,2-ethanediamine,*N,N,N′, N′*-tetramethyl-, polymer with 1,1′-oxybis[2-chloroethane] (CAS Reg. No. 31075–24–8). | For use in pesticide formulations applied to cotton or wheat only. | Adjuvant or water conditioner |
| (S,S)–Ethylenediaminedisuccinic acid (CAS Reg. No. 20846–91–7). | | Sequestrant or chelating agent |
| Ethylene glycol | | Antifreeze, deactivator for all pesticides used before crop emerges from soil and in herbicides before or after crop emerges |
| Ethylene glycol (CAS Reg. No. 107–21–1) | Without limitation | Pesticide inert ingredient as a solvent, stabilizer and/or antifreeze. |
| Ethylene glycol monobutyl ether | | |
| 2-Ethylhexanol | | Cosolvent, defoamer, solvent for all pesticides used before crop emerges from soil and in herbicides before or after crop emerges |
| Europic chloride | 10 ppm in formulation | Tagging agent |
| FD&C Blue No. 1, methyl-polyethylene glycol derivative (CAS Reg. No. 9079–34–9). | For seed treatment use only; Number average molecular weight (in amu) is greater than 1,000; Not to exceed 5% of the formulated pesticide product. | Dye, coloring agent |
| FD&C Blue No. 1, polyethylene glycol derivative (CAS Reg. No. 9079–33–8). | For seed treatment use only; Number average molecular weight (in amu) is greater than 1,000; Not to exceed 5% of the formulated pesticide product. | Dye, coloring agent |
| FD&C Red No. 40 (CAS Reg. No. 25956–17–6) | For seed treatment use only. Not to exceed 2% by weight of the pesticide formulation. | Dye, coloring agent |
| Ferric chloride | | Not greater than 2% of suspending, dispersing agent, pesticide formulation |
| Fluoroapatite | | Solid diluent, carrier |
| Folic acid (CAS Reg. No. 59–30–3) | Maximum of 0.5% of formulation. | Synergist |
| Gluconic acid (and sodium salt) | | Sequestrant |
| *l*-Glutamic acid ($C_5$ $H_9$ $NO_{4\geq}$ CAS Reg. No. 56–86–0). | Seet treatment use only | Plant nutrient |
| [alpha]-D-glucopyranoside, 2-ethylhexyl 6-O-[alpha]-D glucopyranosyl- (CAS Reg. No. 330980–61–5). | | Surfactant |
| [alpha]-D-glucopyranoside, 2-ethylhexyl (CAS Reg. No. 125590–73–0). | | Surfactant |
| Glutamine (CAS Reg. No. 56–85–9) | Maximum of 0.5% of formulation. | Synergist |
| Glycerol—propylene oxide polymer (CAS Reg. No. 25791-96-2). | | Component in water-soluble film |
| Glyceryl triacetate | | Stabilizer |
| Glyceryl tris-12-hydroxystearate | | Flow control agent |
| Graphite | | Treatment aid for seeds |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Hexamethylenetetramine | | Stabilizer for carriers in solid pesticide formulations |
| 2-(2'-hydroxy-3',5'-di-tert-amylphenyl) benzotriazole (CAS Reg. No. 25973–55–1). | Maximum concentration of 0.6% in insecticide formulations applied to adzuki beans, canola, chickpeas, cotton, faba beans, field peas, lentils, linola, linseed, lucerne, lupins, mung beans, navy beans, pigeon peas, safflower, sunflower, and vetch. | Ultraviolet (UV) stabilizer |
| 2-Hydroxy-4-*n*-octoxybenzophenone (CAS Reg. No. 1843–05–6). | Not more than 0.2 pt of pesticide formulation. | Light stabilizer |
| Hydroxypropyl guar gum | | Thickener |
| Isobornyl acetate | | Solvent |
| Isobutyl alcohol | | Do. |
| Isobutylene-butene copolymers | For soil application only | Binder |
| Isooctadecanol | Not more than 2% of pesticide formulation. | Defoaming agent |
| Lanthanum chloride | 10 ppm in formulation | Tagging agent. |
| Magnesium nitrate (in combination with 2-methyl-4-isothiazolin-3-one and 5-chloro-2-methyl-4-isothiazolin-3-one). | None | Preservation |
| Maleic acid and maleic anhydride | For pesticide formulations applied to apples with a minimum preharvest interval of 21 days. | Stabilizer |
| Manganese carbonate | | Plant nutrient |
| Mesityl oxide | Not for use after edible parts of plant begin to form. Do not graze livestock in treated areas within 48 hours after application. | Solvent, cosolvent |
| Methionine (CAS Reg. No. 59–51–8) | Maximum of 0.5% of formulation. | Synergist |
| Methyl alcohol | | Do. |
| Methyl ethyl ketone | | Surfactant |
| Methyl *p*- hydroxybenzoate | | Preservative for formulations |
| Methyl isobutyl ketone | | Solvent, cosolvent |
| 2-Methyl-4-isothiazolin-3-one (in combination with 5-chloro-2-methyl-4-isothiazolin-3-one). | Not more than 0.0022% (22.5 ppm) in the formulation; 0.00022% (or 2.25 ppm) in the final solution applied to growing crops. | Preservative |
| Mono-, di-, and trimethylnapthalenesulfonic acids and napthalenesulfonic acids formaldehyde condensates, ammonium and sodium salts (CAS Reg. Nos. 9008–63–3, 9069–80–1, 9084–06–4, 36290–04–7, 91078–68–1, 141959–43–5, 68425–94–5). | | Surfactants, related adjuvants of surfactants |
| Methyl oleate | | Surfactant |
| 2-Methyl-2,4-pentanediol | | Solvent for formulations used before crop emerges from soil |
| Methyl poly(oxyethylene)$C_8$–$C_{18}$ alkylammonium chlorides where the poly(oxyethylene) content is n=2–15 and where $C_8$–$C_{18}$ alkyl is linear and may be saturated or unsaturated (CAS Reg. Nos. 3010–24–0, 18448–65–2, 70750–47–9, 22340–01–8, 67784–77–4, 64755–05–1, 61791–10–4, 28724–32–5, 28880–55–9, 68187–69–9, 68607–27–2, 60687–90–3. | Concentration in formulated end use products not to exceed 10% by weight in herbicide products and 5% by weight in all other pesticide products. | Surfactants, related adjuvants of surfactants |
| *N*-Methylpyrrolidone (CAS Reg. No. 872-504) | | Solvent, cosolvent |
| Mixed phytosterols (consisting of campesterol, sitosterol and stigmasterol, with minor amounts of associated plant sterols) derived from edible vegetable oils. | | Surfactant |
| Mono- and bis-(1*H*, 1*H*, 2*H*, 2*H*-perfluoroalkyl) phosphates where the alkyl group is even numbered and in the $C_6$-$C_{12}$ range. | Not more than 0.5% of pesticide formulation. Expires February 9, 2008. | Surfactant, related adjvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Mono- and dialkyl ($C_8$-$C_{18}$) methylated ammonium chloride compounds, where the alkyl group(s) ($C_8$-$C_{18}$) are derived from coconut, cottonseed, soya, tallow, or hogfat fatty acids. | ..... | Surfactants, related adjuvants of surfactants |
| Morpholine 4-$C_{6-12}$ Acyl Derivatives (CAS Reg. No. 887947–29–7). | ..... | As a solvent |
| Nicotinamide (CAS Reg. No. 98–92–0) ..... | Maximum of 0.5% of formulation. | Synergist |
| α-(*p*-Nonylphenyl)-ω-hydroxypoly(oxyethylene); produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-100 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range 4-14 or 30-100. | ..... | Surfactant |
| Octanamide, N,N-dimethyl (CAS Reg. No. 1118–92–9). | ..... | Emulsifier, solvent, cosolvent |
| α-Oleoyl-ω-(oleoyloxy) poly(oxyethylene) derived from α-hydro-ω-hydroxypoly(oxyethylene) (molecular weight 600 amu). | ..... | Component of defoamers |
| Oxo-decyl acetate (CAS reg. No. 108419–33–6) | ..... | Solvent |
| Oxo-heptyl acetate (CAS Reg. No. 90438–79–2) | ..... | Solvent |
| Oxo-hexyl acetate (CAS Reg. No. 88230–35–7) | ..... | Solvent |
| Oxo-nonyl acetate (CAS Reg. No. 108419–34–7). | ..... | Solvent |
| Oxo-octyl acetate (CAS Reg. No. 108419–32–5) | ..... | Solvent |
| Oxo-tridecyl acetate (CAS Reg. No. 108419–35–8). | ..... | Solvent |
| Phenol ..... | ..... | Solvent, cosolvent |
| Phenol, 2-(2H-benzotriazole-2-yl)-6-dodecyl-4-methyl; (CAS Reg. No. 23328–53–2). | Maximum concentration of 0.6% in insecticide formulations applied to adzuki beans, canola, chickpeas, cotton, faba beans, field peas, lentils, linola, linseed, lucerne, lupins, mung beans, navy beans, pigeon peas, safflower, sunflower, and vetch. | Ultraviolet (UV) stabilizer |
| Phenolsulfonic acid—formaldehyde—urea condensate and its sodium salt. | Applied to growing plants only. | Dispersant surfactant |
| (Phthalocyaninato (2)) copper; (C.I. pigment blue No. 15). | When used as a colorant in low-density plastic films. | Coloring agent, pigment |
| Pigment red 48 ..... | For seed treatment use only. | Dye |
| α-Pinene ..... | Not more than 2% of formulation by weight. | Stabilizer |
| Poly(oxy-1,2-ethanediyl), α-isotridecyl-ω-methoxy (CAS Reg. No. 345642–79–7). | At a maximum of 10% in formulation. | Surfactant |
| Poly(oxyethylene) adducts of mixed phytosterols (such sterols to consist of campesterol, stigmasterol and sitosterol with minor amounts of associated plant sterols) derived from edible vegetable oils; polyoxyethylene content averaging 5-26 moles. | ..... | Surfactant, related adjuvants |
| Polyoxyethylene polyoxypropylene mono(di-sec-butylphenyl) ether (CAS Reg. No. 69029–39–6). | Limited to herbicide formulations only, and to no more than 30% by weight in herbicide formulations intended for application to turf. | Surfactants, related adjuvants of surfactants |
| Poly(oxyethylene) (5) sorbitan monooleate ..... | ..... | Surfactants, related adjuvants of surfactants |
| Polysorbate 60, conforming to 21 CFR 172.836 | ..... | Surfactant |
| Potassium dihydrogen phosphate ..... | ..... | Buffering agent |
| 2-Propanamine, compound with α-phosphono-ω-butoxypoly (oxy-1,2-ethanediyl) (2:1) (CAS Reg. No. 431040–31–2). | Not more than 15% in the formulated product. | Surfactant |
| 2-Propanamine, compounds with polyethylene glycol dihydrogen phosphate $C_{8-10}$- alkyl ether (2:1) (CAS Reg. No. 431062–72–5). | Not more than 15% in the formulated product. | Surfactant |
| Propylene glycol monomethyl ether ..... | ..... | Solvent |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Pyridoxine (CAS Reg. No. 65–23–6) | Maximum of 0.5% of formulation. | Synergist |
| Rosin, dark wood (as defined in 21 CFR 178.3870(a)(1)(v)). | | Surfactants, related adjuvants of surfactants |
| Rosin, gum | | Do. |
| Rosin, tall oil | | Do. |
| Scandium chloride | 10 ppm in formulation | Tagging agent |
| Sodium bisulfate (CAS Reg. No. 7681–38–1) | | Acidifying/buffering agent |
| Sodium 1,4-dicyclohexyl sulfosuccinate | | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-dihexyl sulfosuccinate (CAS Reg. No. 3006–15–3). | | Surfactants, related adjuvants of surfactants |
| Sodium dihydrogen phosphate (CAS Reg. No. 7558–80–7) conforming to 21 CFR 182.6778. | | Buffering agent |
| Sodium 1,4-diisobutyl sulfosuccinate (CAS Reg. No. 127–39–9). | | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-dipentyl sulfosuccinate (CAS Reg. No. 922–80–5). | | Surfactants, related adjuvants of surfactants |
| Sodium metaborate | | Sequestrant |
| Sodium molybdate | | Plant nutrient |
| Sodium nitrate | | Solid diluent |
| Sodium nitrite | Not more than 3% of pesticide formulation. | Stabilizer, inhibitor. |
| Sodium *o*-phenylphenate | Not more than 0.1% of pesticide formulation. | Preservative for formulation |
| Sodium salt of the insoluble fraction of rosin | | Surfactants, related adjuvants of surfactants |
| Sodium salts of N-alkyl (C8-C18)-beta-iminodipropionic acid where the C8-C18 is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 3655-00-3, 61791-56-8, 14960-06-6, 26256-79-1, 90170-43-7, 91696-17-2, 97862-48-1). | Concentration in formulated end-use products not to exceed 30% by weight in pesticide formulations. | Surfactants, related adjuvants of surfactants |
| Sodium tetraborate | Not more than 2% of pesticide formulation. | Buffering agent; corrosion inhibitor |
| Tallowamine, ethoxylated, mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, potassium, and sodium salts of the phosphate esters, where the poly(oxyethylene) content averages 2–20 moles (CAS Reg. No. 68308–48–5). | Not to exceed 20% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Tannin | | Dispersing agent |
| Tertiary butylhydroquinone | | Antioxidant |
| 1-Tetradecanamine, *N,N*-dimethyl-, *N*-oxide (CAS Reg. No. 3332–27–2). | | Component in water-soluble film |
| *N,N,N′,N″*-Tetrakis-(2-hydroxypropyl) ethylenediamine (CAS Reg. No. 102–60–3). | Concentration in formulated end-use products not to exceed 20% by weight in pesticide formulations. | Stabilizer for formulations |
| 2,4,7,9-Tetramethyl-5-decyne 4,7-diol | In pesticide formulations, for application to soil prior to planting or to plants before edible parts form. | Surfactants, related adjuvants of surfactants |
| Tetrapotassium pyrophosphate (CAS Reg. No. 7320–345). | Not to exceed 10% of formulation. | Sequestrant, anticaking agent, conditioning agent |
| Titanium dioxide (CAS Reg. No. 13463–67–7) | | Pigment/coloring agent in plastic bags used to wrap growing banana (preharvest), colorant on seeds for planting |
| Toluenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | | Solvent, cosolvent |
| Triethanolamine | | Stabilizer, inhibitor for formulations used before crop emerges from soil |
| Triethanolamine (CAS Reg. No. 102–71–6) | | Stabilizer, inhibitor |
| Triethylene glycol | | Deactivator |
| Triethyl phosphate | | Stabilizer for formulations used before crop emerges from soil |
| Trimethylolpropane (CAS Reg. No. 77–99–6) | Not to exceed 15% by weight of the film. | Component in water-soluble film |
| α-[2,4,6-Tris[1-(phenyl)ethyl]phenyl]-ω-hydroxy poly(oxyethylene), the poly(oxyethylene) content averages 4-150 moles). | Not more than 15% of the formulation. | Surfactant. |

| Inert ingredients | Limits | Uses |
|---|---|---|
| α-[2,4,6-Tris[1-(phenyl)ethyl]phenyl]-ω-hydroxy poly(oxyethylene); mixture of monohydrogen and dihydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts, the poly(oxyethylene) content averages 4-150 moles). | Not more than 15% of the formulation. | Do. |
| α-[2,4,6-Tris[1-(phenyl)ethyl]phenyl]-ω-hydroxy poly(oxyethylene) sulfate, and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts, the poly(oxyethylene) content averages 4-150 moles. | Not more than 15% of the pesticide formulation. | Do. |
| Tryptophan (CAS Reg. No. 73–22–3) | Maximum of 0.5% of formulation. | Synergist |
| Valeric acid, normal | Not more than 2% in pesticide formulations. | Stenching agent or odorant |
| Xylene | | Solvent, cosolvent |
| Xylenesulfonic acid its ammonium calcium, magnesium, potassium, sodium, and zinc salts. | | Surfactants, related adjuvants of surfactants |
| Yucca extract from Yucca schidigera | | Wetting agent |
| Ytterbium chloride | 10 ppm in formulation | Tagging agent |
| Yttrium chloride | 10 ppm in formulation | Tagging agent |
| Zinc orthophosphate | | Plant nutrient and safener |
| Zinc stearate, conforming to 21 CFR 182.5994 and 582.5994. | | Flow control agent |

[69 FR 23124, Apr. 28, 2004]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §180.920, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## §180.930 Inert ingredients applied to animals; exemptions from the requirement of a tolerance.

The following materials are exempted from the requirement of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to animals:

| Inert ingredients | Limits | Uses |
|---|---|---|
| Acetic acid (CAS Reg. No. 64–19–7) | Not more than 0.5% of pesticide formulation. | Catalyst |
| Acetic anhydride | | Solvent, cosolvent, stabilizer |
| Alkanoic and alkenoic acids, mono- and diesters of α-hydro-ω-hydroxypoly(oxyethylene) with molecular weight (in amu) range of 200 to 6,000. | | Emulsifiers |
| Alkyl ($C_8$-$C_{24}$) benzenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | | Surfactants, emulsifier, related adjuvants of surfactants |
| Alkyl ($C_{12}$-$C_{16}$) dimethyl ammonio acetate (CAS Reg. Nos. 683–10–3, 2601–33–4 and 693–33–4. | 20% by weight in pesticide formulation. | Surfactant |
| α-Alkyl($C_6$-$C_{15}$)-ω-hydroxypoly(oxyethylene)sulfate, and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts, poly(oxyethylene) content averages 2–4 moles (CAS Reg. Nos. 3088–31–1, 9004–82–4, 9004–84–6, 13150–00–0, 25446–78–0, 26183–44–8, 32612–48–9, 50602–06–7, 62755–21–9, 68424–50–0, 68511–39–7, 68585–34–2, 68611–55–2, 68891–38–3, 73665–22–2). | Not to exceed 30% of pesticide formulation. | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| α-alkyl ($C_{12}$-$C_{15}$)-ω-hydroxypoly (oxypropylene)poly (oxyethylene)copolymers (where the poly(oxypropylene) content is 3-60 moles and the poly(oxyethylene) content is 5-80 moles), the resulting ethoxylated propoxylated ($C_{12}$-$C_{15}$) alcohols having a minimum molecular weight (in amu) of 1,500, CAS Reg. No. 68551–13–3. | Not to exceed 20% of pesticide formulations. | Surfactant |
| α-alkyl-ω-hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons (CAS Reg. Nos. 9002–92–0, 9004–95–9, 9005–00–9, 26183–52–8, 34398–01–1, 52292–17–8, 66455–14–9, 66455–15–0, 68002–97–1, 68131–39–5, 68131–40–8, 68154–96–1, 68213–23–0, 68439–45–2, 68439–46–3, 68526–94–3, 68439–50–9, 68439–49–6, 68551–12–2, 68951–67–7, 71243–46–4, 97043–91–9, 9043–30–5, 60828–78–6, 61827–42–7, 24938–91–8, 68439–54–3, 69011–36–5, 78330–20–8, 78330–21–9, 106232–83–1, 127036–24–2, 160875–66–1, 9004–98–2, 68920–66–1, 61804–34–0, 61791–28–4, 71060–57–6, 26468–86–0, 31726–34–8, 52609–19–5, 61791–20–6, 68155–01–1, 69013–19–0, 69364–63–2, 70879–83–3, 78330–19–5, 97953–22–5, 157627–86–6, 34398–05–5, 72905–87–4, 84133–50–6, 61702–78–1, 27306–79–2, 169107–21–5, 61791–13–7, 39587–22–9, 85422–93–1; 68154–98–3, 61725–89–1, 68002–96–0, 68154–97–2, 68439–51–0, 68551–13–3, 68603–25–8, 68937–66–6, 68987–81–5, 69227–21–0, 70750–27–5, 103818–93–5, 166736–08–9, 120313–48–6, 68213–24–1, 68458–88–8, 68551–14–4, 69013–18–9, 69227–22–1, 72854–13–8, 73049–34–0, 78330–23–1, 37311–02–7, 64366–70–7, 37251–67–5, 9087–53–0, 196823–11–7, 57679–21–7, 111905–54–5, 61827–84–7, 172588–43–1). | ..... | Surfactants, related adjuvants of surfactants |
| α-alkyl (minimum $C_6$ linear or branched, saturated and or unsaturated)-ω-hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium and zinc salts of the phosphate esters; minimum oxyethylene content averages 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos. 9046–01–9, 39464–66–9, 50643–20–4, 52019–36–0, 68071–35–2, 68458–48–0, 68585–36–4, 68815–11–2, 68908–64–5, 68511–37–5, 68130–47–2, 42612–52–2, 58318–92–6, 60267–55–2, 68070–99–5, 68186–36–7, 68186–37–8, 68610–65–1, 68071–17–0, 936100–29–7, 936100–30–0, 73038–25–2, 78330–24–2, 154518–39–5, 317833–96–8, 108818–88–8, 873662–29–4, 61837–79–4, 68311–02–4, 68425–73–0, 37280–82–3, 68649–29–6, 67711–84–6, 68891–13–4. | Not to exceed 30% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| N-alkyl (C8-C18) primary amines and their acetate salts where the alkyl group is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 61790–57–6, 61790–58–7, 61790–59–8, 61790–60–1, 61788–46–3, 61790–33–8, 68155–38–4). | Concentration in formulated end-use products not to exceed 10% by weight in herbicide products, 4% by weight in insecticide products, and 4% by weight in fungicide products. | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Alkyl ($C_8$-$C_{18}$) sulfate and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | ..... | Surfactant |
| *N,N*-Bis-α-ethyl-ω-hydroxypoly(oxy-1,2-ethanediyl) $C_8$-$C_{18}$ saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl) content is 2–60 moles (CAS Reg. Nos. 10213–78–2, 25307–17–9, 26635–92–7, 26635–93–8, 288259–52–9, 58253–49–9, 61790–82–7, 61791–14–8, 61791–24–0, 61791–26–2, 61791–31–9, 61791–44–4, 68155–33–9, 68155–39–5, 68155–40–8,70955–14–5, 73246–96–5). | Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations. | Surfactants, related adjuvants of surfactants |
| *N,N*-Bis-α-ethyl-ω-hydroxypoly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) $C_8$-$C_{18}$ saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) content is 2–60 moles (CAS Reg. Nos. 68213–26–3, 68153–97–9, 75601–76–2). | Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations. | Surfactants, related adjuvants of surfactants |
| Ascorbyl palmitate | ..... | Preservative |
| Attapulgite-type clay | ..... | Solid diluent, carrier |
| Barium sulfate (CAS Reg. No. 7727–43–7) | ..... | Carrier, density control agent |
| Benzoic acid | ..... | Preservative for formulations |
| 2-Bromo-2-nitro-1,3-propanediol (CAS Reg. No. 52–51–7). | 0.04% or less by weight of the total pesticide formulation. | In-can preservative |
| Butane | ..... | Propellant |
| *n*-Butanol (CAS Reg. No. 71–36–3) | ..... | Solvent for blended emulsifiers |
| Butylated hydroxyanisole | ..... | Antioxidant |
| Butylated hydroxytoluene | ..... | Do. |
| Calcium carbonate | ..... | Solid diluent, carrier |
| Calcium chloride | ..... | Stabilizer |
| Calcium silicate, hydrated calcium silicate | ..... | Anticaking agent, solid diluent, carrier |
| Calcium stearate (CAS Reg. No. 1592–23–0) | ..... | Stabilizer, component of plastic animal tag |
| Calcium sulfate | ..... | Solid diluent, carrier |
| Carbon black (CAS Reg. No. 1333–86–4) | ..... | Colorant/pigment in animal tag |
| Carbon Dioxide (CAS Reg. No. 124–38–9) | None | Propellant |
| Carrageenan, conforming to 21 CFR 172.620 | Minimum molecular weight (in amu): 100,000. | Thickener |
| Cyclohexanone | ..... | Solvent, cosolvent |
| D&C Green No. 6 | ..... | Dye, coloring agent |
| D&C Red No. 17 | ..... | Do. |
| D&C Violet No. 2 | ..... | Do. |
| Dialkyl ($C_8$-$C_{18}$) dimethylammonium chloride | Not more than 0.2% in silica hydrated silica. | Flocculating agent in the manufacture of silica hydrated silica for use as a solid diluent, carrier |
| Diatomite (diatomaceous earth) | ..... | Solid diluent, carrier |
| Diethanolamine salts of alkyl ($C_8$-$C_{24}$) benzenesulfonic acid (CAS Reg. Nos. 26545–53–9 and 68953–97–9). | Not to exceed 7% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–75–4). | ..... | Surfactant |
| Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–83–4). | ..... | Surfactant |
| Diethylaminoethanol, ethoxylated, reaction products with acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–81–2). | ..... | Surfactant |
| Diethylaminoethanol, ethoxylated, reaction product with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–72–1). | ..... | Surfactant |
| Diethylphthalate | ..... | Solvent, cosolvent |
| 1,1-Difluoroethane (CAS Reg. No. 75–37–6) | For aerosol pesticide formulations used for insect control in food- and feed-handling establishments and animals. | Aerosol propellant |
| Dimethyl ether (CAS Reg. No. 115–10–6) | ..... | Propellant |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–42–5). | ..... | Surfactant |
| Dimethylaminoethanol, ethoxylated, propoxylated reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–67–4 ). | ..... | Surfactant |
| Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–38–9). | ..... | Surfactant |
| Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–49–2). | ..... | Surfactant |
| Dimethylaminopropylamine, isopropylamine, ethanolamine, and triethanolamine salts of alkyl ($C_8$-$C_{24}$) benzenesulfonic acid (CAS Reg. Nos. 26264–05–1, 27323–41–7, 55470–69–4, 68411–31–4, 68584–24–7, 68584–25–8, 68648–81–7, 68648–96–4, 68649–00–3, 68910–32–7, 68953–93–5, 90194–42–6, 90194–53–9, 90218–35–2, 157966–96–6, 319926–68–6, 877677–48–0, 1093628–27–3). | ..... | Surfactants, related adjuvants of surfactants |
| 3,6-Dimethyl-4-octyne-3,6-diol | Not more than 2.5% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Dimethylpolysiloxane (CAS Reg. No. 9016–00–6). | ..... | Defoaming agent |
| Dipropylene glycol monomethyl ether | ..... | Surfactants, related adjuvants of surfactants |
| Epoxidized soybean oil (CAS Reg. No. 8013–07–8). | ..... | Stabilizer, plasticizer, component animal tag |
| Ethyl alcohol | ..... | Solvent, cosolvent |
| Ethyl maltol (CAS Reg. No.4940–11–8) | Not more than 0.2 % of the pesticide formulation. | Odor masking agent |
| Ethylene oxide adducts of 2,4,7,9-tetramethyl-5-decynediol, the ethylene oxide content averages 3.5, 10 or 30 moles (CAS Reg. No. 9014–85–1). | ..... | Surfactants, related adjuvants of surfactants |
| 2-Ethyl-1-hexanol | Not more than 2.5% of pesticide formulation. | Solvent, adjuvant of surfactants |
| FD&C Blue No. 1 | ..... | Dye, coloring agent |
| FD&C Yellow No. 6 Aluminum Lake (CAS Reg. No. 15790–07–5). | Not more than 2% by weight of pesticide formulation. | Pigment in animal tag and similar slow-release devices |
| D-glucopyranose, oligomeric, $C_{10-16}$-alkyl glycosides (CAS Reg. No. 110615–47–9). | ..... | Surfactant |
| Glycerol monooleate | ..... | Surfactants, related adjuvants of surfactants |
| Glyceryl monostearate | ..... | Emulsifier |
| Glyceryl tris-12-hydroxystearate | ..... | Flow control agent |
| Graphite | ..... | Solid diluent, carrier |
| *n*-Hexyl alcohol (CAS Reg. No. 111–27–3) | ..... | Solvent, cosolvent |
| Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–06–4). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–67–4). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–00–8). | ..... | Surfactant |
| Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–09–7). | ..... | Surfactant |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–22–4). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–28–0). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–20–2). | ..... | Surfactant |
| Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–25–7). | ..... | Surfactant |
| 2-(2′-Hydroxy-5′-methylphenyl)benzotriazole (CAS Reg. No. 2440–22–4). | Not more than 0.5% by weight of pesticide formulation. | Ultraviolet light absorber/stabilizer in animal tag and similar slow-release devices |
| Iron oxide (CAS Reg. No. 1309–37–1) ..... | ..... | Colorant in pesticide formulations for animal tags |
| Isobutane (CAS Reg. No. 75–28–5) ..... | None ..... | Propellant |
| Isopropyl myristate, CAS Reg. No. 110–27–0 .... | ..... | Solvent |
| Kaolinite-type clay ..... | ..... | Solid diluent, carrier |
| Kerosene, U.S.P. reagent ..... | ..... | Solvent, cosolvent |
| Lactic acid ..... | ..... | Solvent |
| Lactic acid, 2-ethylhexyl ester (CAS Reg. No. 6283–86–9). | ..... | Solvent |
| Lactic acid, 2-ethylhexyl ester, (2S)- (CAS Reg. No. 186817–80–1). | ..... | Solvent |
| Lactic acid, n-propyl ester, (S); (CAS Reg. No. 53651–69–7). | ..... | Solvent |
| Lignin (CAS Reg. No. 9005–53–2) ..... | ..... | Surfactant, related adjuvants of surfactants |
| Lignin, alkali (CAS Reg. No. 8068–05–1) ..... | ..... | Do. |
| Lignin, alkali, oxidized, sodium salt (CAS Reg. No. 68201–23–0). | ..... | Do. |
| Lignin alkali reaction products with disodium sulfite and formaldehyde (CAS Reg. No. 105859–97–0). | ..... | Do. |
| Lignin alkali reaction products with formaldehyde and sodium bisulfite (CAS Reg. No. 68512–35–6). | ..... | Do. |
| Lignosulfonic acid (CAS Reg. No. 8062–15–5) .. | ..... | Do. |
| Lignosulfonic acid, ammonium calcium salt (CAS Reg. No. 12710–04–2). | ..... | Do. |
| Lignosulfonic acid, ammonium magnesium salt (CAS Reg. No. 123175–37–1). | ..... | Do. |
| Lignosulfonic acid, ammonium salt (CAS Reg. No. 8061–53–8). | ..... | Do. |
| Lignosulfonic acid, ammonium sodium salt (CAS Reg. No. 166798–73–8). | ..... | Do. |
| Lignosulfonic acid, calcium magnesium salt (CAS Reg. No. 55598–86–2). | ..... | Do. |
| Lignosulfonic acid, calcium salt (CAS Reg. No. 8061–52–7). | ..... | Do. |
| Lignosulfonic acid, calcium sodium salt (CAS Reg. No. 37325–33–0). | ..... | Do. |
| Lignosulfonic acid, ethoxylated, sodium salt (CAS Reg. No. 68611–14–3). | ..... | Do. |
| Lignosulfonic acid, magnesium salt (CAS Reg. No. 8061–54–9). | ..... | Do. |
| Lignosulfonic acid, potassium salt (CAS Reg. No. 37314–65–1). | ..... | Do. |
| Lignosulfonic acid, sodium salt (CAS Reg. No. 8061–51–6). | ..... | Do. |
| Lignosulfonic acid, sodium salt, oxidized (CAS Reg. No. 68855–41–4). | ..... | Do. |
| Lignosulfonic acid, sodium salt, polymer with formaldehyde and phenol (CAS Reg. No. 37207–89–9). | ..... | Do. |
| Lignosulfonic acid, sodium salt, sulfomethylated (CAS Reg. No. 68512–34–5). | ..... | Do. |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Lignosulfonic acid, zinc salt (CAS Reg. No. 57866–49–6). | ..... | Do. |
| d-Limonene (CAS Reg. No. 5989–27–5) ..... | ..... | Solvent, fragrance |
| Magnesium carbonate ..... | ..... | Solid diluent, carrier |
| Magnesium silicate, hydrated magnesium silicate. | ..... | Do. |
| Methyl alcohol ..... | ..... | Solvent, cosolvent |
| Methyl *n*-amyl ketone (CAS Reg. No. 110–43–0) | ..... | Solvent, cosolvent |
| Methyl esters of higher fatty acids conforming to 21 CFR 573.640. | ..... | Antidusting agent |
| Methyl-*p*-hydroxybenzoate (Methyl paraben) ..... | Meets specifications of Food Chemicals Codex; not to exceed 0.1% in formulations. | Preservative |
| Methyl isobutyl ketone ..... | ..... | Solvent, cosolvent |
| 2-methyl-2,4-pentanediol (CAS Reg. No.–107–41–5). | Without limitation ..... | Growing crops and food animals |
| 2-methyl-1,3-propanediol (CAS Reg. No. 2163–42–0). | ..... | Solvent, surfactant |
| Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a), (b). | ..... | Solvent, diluent |
| Montmorillonite-type clay ..... | ..... | Solid diluent, carrier |
| Nonyl, decyl, and undecyl glycoside mixture with a mixture of nonyl, decyl, and undecyl oligosaccharides and related reaction products (primarily decanol and undecanol) produced as an aqueous-based liquid (50 to 65% solids) from the reaction of primary alcohols (containing 15 to 20% secondary alcohol isomers) in a ratio of 20% $C_9$, 40% $C_{10}$, and 40% $C_{11}$ with carbohydrates (average glucose to alkyl chain ratio 1.3 to 1.8). | ..... | Surfactant |
| α-(p-nonylphenol)-ω-hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4-14 or 30 moles (CAS Reg. Nos. 51811–79–1, 59139–23–0, 67922–57–0, 68412–53–3, 68553–97–9, 68954–84–7, 99821–14–4, 152143–22–1, 51609–41–7, 37340–60–6, 106151–63–7, 68584–47–4, 52503–15–8, 68458–49–1). | Not to exceed 7% of pesticide formulation. Expires May 17, 2012. | Surfactants, related adjuvants of surfactants |
| α-(p-nonylphenol)-ω-hydroxypoly(oxyethylene) sulfate, ammonium, calcium, magnesium, potassium, sodium, and zinc salts the nonyl group is propylene trimer isomer and the poly(oxyethylene) content averages 4 moles (CAS Reg Nos. 9014–90–8, 9051–57–4, 9081–17–8, 68649–55–8, 68891–33–8). | Not to exceed 7% of pesticide formulation. Expires May 17, 2012. | Surfactants, related adjuvants of surfactants |
| α-(*p*-Nonylphenyl)-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-15 or 30-90 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 4-15 or 30-90 moles. | ..... | Surfactants, emulsifier, related adjuvants of surfactants. |
| Octadecyl 3,5-di-*tert*-butyl-4-hydroxyhydro cinnamate (CAS Reg. No. 2082–79–3). | Not more than 0.5% by weight of pesticide formulation. | Thermal stabilizer/antioxidant in animal tag and similar slow-release devices |
| 1-Octanal (CAS Reg. No. 124–13–0) ..... | Not more than 0.2% of the pesticide formulation. | Odor masking agent |
| Octyl and decyl glucosides mixture with a mixture of octyl and decyl oligosaccharides and related reaction products (primarily *n*-decanol) produced as an aqueous-based liquid (68-72% solids) from the reaction of straight chain alcohols ($C_8$(45%), $C_{10}$) with anhydrous glucose. | ..... | Thermal stabilizer/antioxidant in animal tag and similar slow-release devices |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Octyl epoxytallate (CAS Reg. No. 61788–72–5) | | Plasticizer, component animal tag |
| Oleic acid, conforming to 21 CFR 172.862 (CAS Reg. No. 112–80–1). | | Defoaming agent |
| α-Oleoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600. | | Emulsifier |
| α-Oleoyl-ω-(oleyloxy)poly(oxyethylene) derived from α-hydro-ω-hydroxypoly(oxyethylene), molecular weight (in amu) 600. | | Emulsifier, defoaming agent |
| Petroleum hydrocarbons, light, odorless, conforming to 21 CFR 172.884 or 178.3650. | | Solvent, diluent |
| Petroleum hydrocarbons, synthetic isoparaffinic, conforming to 21 CFR 172.882 or 178.3530. | | Do. |
| Phenol | | Solvent, cosolvent |
| α-Pinene | Not more than 2% of formulation by weight. | Stabilizer |
| Polyethylene (CAS Reg. No. 9002–88–4) conforming to 21 CFR 172.615. | | Component of plastic slow release tag |
| Polyethylene glycol [α-hydro-ω-hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750. | | Surfactants, related adjuvants of surfactants |
| Potassium benzoate (Cas No. 582–25–2) | None | Preservative |
| Potassium hydroxide | Meeting Food Chemicals, Codex specifications. | Neutralizer |
| Propane | | Propellant |
| 1,2,3-Propanetriol, homopolymer diisooctadecanoate (CAS Reg. No. 63705–03–3). | | Emulsifier |
| *n*-Propanol | | Solvent, for blended emulsifiers |
| 2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CAS Registration No. 55989–05–4), minimum number average molecular weight (in amu), 18,900.. | | Encapsulating agent,dispensers, resins, fibers and beads |
| Propylene glycol | | Solvent, cosolvent |
| Propylene glycol monomethyl ether | | Deactivator, emmolient |
| Propyl gallate | | Antioxidant |
| Propyl *p*-hydroxybenzoate (Propyl paraben) | Meets specifications of Food Chemicals Codex; not to exceed 0.1% in formulations. | Preservative |
| Pyrophylite | | Solid diluent, carrier |
| Silica, hydrated silica | | Anticaking agent, solid diluent, carrier |
| Silica aerogel (finely powdered microcellular silica foam having a minimum silica content of 89.5%). | | Component of antifoaming agent |
| Soapstone | | Solid diluent |
| Sodium alkyl naphthalenesulfonates (CAS Reg. Nos. 68909–83–1, 68909–84–2, 68909–82–0, 27213–90–7, 26264–58–4, 27178–87–6, 111163–74–7, 908356–16–1, 25417–20–3, 25638–17–9, 145578–88–7, 1322–93–6, 1323–19–9, 7403–47–6, 68442–09–1, 127646–44–0, 908356–18–3). | Limited to no more than 30% by weight in pesticide end-use products. | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-dihexyl sulfosuccinate (CAS Reg. No. 3006–15–3). | | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-diisobutyl sulfosuccinate (CAS Reg. No. 127–39–9). | | Surfactants, related adjuvants of surfactants |
| Sodium dioctylsulfosuccinate | | Surfactants, related adjuvants of surfactants |
| Sodium 1,4-dipentyl sulfosuccinate (CAS Reg. No. 922–80–5). | | Surfactants, related adjuvants of surfactants |
| Sodium hydroxide | | Neutralizer |
| Sodium monoalkyl and dialkyl (C6-C16) phenoxy benzenedisulfonates and related acids (CAS Reg. Nos. 147732–59–0, 147732–60–3, 169662–22–0, 70191–75–2, 36445–71–3, 39354–74–0, 70146–13–3, 119345–03–8, 149119–20–0, 149119–19–7, 119345–04–9, 28519–02–0, 25167–32–2, 30260–73–2, 65143–89–7, 70191–76–3). | Not to exceed 20% in pesticide formulations. | Surfactants, related adjuvants of surfactants |
| Sodium *N*-oleoyl-*N*-methyl taurine (CAS Reg. No. 137–20–2). | | Surfactants, related adjuvants of surfactants |

| Inert ingredients | Limits | Uses |
|---|---|---|
| Sodium and potassium salts of N-alkyl ($C_8$–$C_{18}$)-beta-iminodipropionic acid where the $C_8$–$C_{18}$ is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 110676–19–2, 3655–00–3, 61791–56–8, 14960–06–6, 26256–79–1, 90170–43–7, 91696–17–2, 97862–48–1). | Concentration in formulated end-use products not to exceed 30% by weight in pesticide formulations. | Surfactants, related adjuvants of surfactants |
| Sodium starch glycolate (CAS Reg. No. 9063–38–1). | Granular and tableted products only; not to exceed 8% of the formulated product. | Disintegrant |
| Sodium sulfate | | Solid diluent, carrier |
| Sorbitan fatty acid esters (fatty acids limited to $C_{12}$, $C_{14}$, $C_{16}$, and $C_{18}$ containing minor amounts of associated fatty acids) and poly(oxyethylene) derivatives of sorbitan fatty acid esters; the poly(oxyethylene) content averages 16-20 moles. | | Buffering agent; corrosion inhibition |
| Sorbitol | | Antidusting agent. |
| Stearic acid (CAS Reg. No. 57–11–4) | | Lubricant, component animal tag |
| α-Stearoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600. | | Emulsifier |
| α-Stearoyl-ω-hydroxypoly(oxyethylene); the poly(oxyethylene) content averages 8, 9, or 40 moles; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be 8, 9, or 40. | | Surfactants; related adjuvants of surfactants |
| Sulfite liquors and cooking liquors, spent, oxidized (CAS Reg. No. 68514–09–0). | | Surfactant, related adjuvants of surfactants |
| Sulfur (CAS Reg. No. 7704–34–9) | | Stabilizer |
| Talc | | Do. |
| Tall oil; fatty acids not less than 58%, rosin acids not more than 44%, unsaponifiables not more than 8%. | | Surfactants, related adjuvants of surfactants |
| Tartrazine | | Dye, coloring agent |
| N,N,N′,N″,-tetrakis-(2-hydroxypropyl) ethylenediamine (CAS Reg. No. 102–60–3). | Concentration in formulated end-use products not to exceed 20% by weight in pesticide formulations. | Stabilizer for formulation. |
| 2,4,7,9-Tetramethyl-5-decyne-4.7-diol | Not more than 2.5% of pesticide formulation. | Surfactants, related adjuvants of surfactants |
| Titanium dioxide (CAS Reg. No. 13463–67–7) | | Pigment/colorant in pesticide formulations for animal tag |
| Toluenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | | Do. |
| Triacetin (glyceryl triacetate) | | Solvent, cosolvent |
| Trisodium phosphate | | Precipitant, buffer, filler |
| Xylene | | Solvent, cosolvent |
| Xylenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts. | | Surfactants, related adjuvants of surfactants |
| Zinc oxide | | Solid diluent, carrier |
| Zinc stearate, conforming to 21 CFR 182.5994 and 582.5994. | | Water repellant, dessicant, and coating agent. |
| Zinc stearate (CAS Reg. No. 557–05–1) | | Water repellant, desiccant, and coating agent; stabilizer, component of plastic animal tag |
| Zinc sulfate (basic and monohydrate) | | Water repellant, dessicant, and coating agent |

[69 FR 23130, Apr. 28, 2004]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §180.930, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

**§ 180.940 Tolerance exemptions for active and inert ingredients for use in antimicrobial formulations (Food-contact surface sanitizing solutions).**

Residues of the following chemical substances are exempted from the requirement of a tolerance when used in accordance with good manufacturing practice as ingredients in an antimicrobial pesticide formulation, provided that the substance is applied on a semi-permanent or permanent food-contact surface (other than being applied on food packaging) with adequate draining before contact with food.

(a) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Food-contact surfaces in public eating places, dairy-processing equipment, and food-processing equipment and utensils.

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Acetic acid | 64–19–7 | When ready for use, the end-use concentration is not to exceed 290 ppm |
| α-alkyl-ω-hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons. | 9002–92–0, 9004–95–9, 9005–00–9, 26183–52–8, 34398–01–1, 52292–17–8, 66455–14–9, 66455–15–0, 68002–97–1, 68131–39–5, 68131–40–8, 68154–96–1, 68213–23–0, 68439–45–2, 68439–46–3, 68526–94–3, 68439–50–9, 68439–49–6, 68551–12–2, 68951–67–7, 71243–46–4, 97043–91–9, 9043–30–5, 60828–78–6, 61827–42–7, 24938–91–8, 68439–54–3, 69011–36–5, 78330–20–8, 78330–21–9, 106232–83–1, 127036–24–2, 160875–66–1, 9004–98–2, 68920–66–1, 61804–34–0, 61791–28–4, 71060–57–6, 26468–86–0, 31726–34–8, 52609–19–5, 61791–20–6, 68155–01–1, 69013–19–0, 69364–63–2, 70879–83–3, 78330–19–5, 97953–22–5, 157627–86–6, 34398–05–5, 72905–87–4, 84133–50–6, 61702–78–1, 27306–79–2, 169107–21–5, 61791–13–7, 39587–22–9, 85422–93–1; 68154–98–3, 61725–89–1, 68002–96–0, 68154–97–2, 68439–51–0, 68551–13–3, 68603–25–8, 68937–66–6, 68987–81–5, 69227–21–0, 70750–27–5, 103818–93–5, 166736–08–9, 120313–48–6, 68213–24–1, 68458–88–8, 68551–14–4, 69013–18–9, 69227–22–1, 72854–13–8, 73049–34–0, 78330–23–1, 37311–02–7, 64366–70–7, 37251–67–5, 9087–53–0, 196823–11–7, 57679–21–7, 111905–54–5, 61827–84–7, 172588–43–1) | None |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Ammonium chloride | 12125–02–9 | When ready for use, the end-use concentration is not to exceed 48 ppm |
| Amylopectin, acid-hydrolyzed, 1-oxtenylbutanedioate. | 113894–85–2 | None |
| Amylopectin, hydrogen 1-octadecenylbutanedioate. | 125109–81–1 | None |
| Ethanol | 64–17–5 | None |
| Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt. | 64–02–8 | None |
| Hydrogen peroxide | 7722–84–1 | When ready for use, the end-use concentration is not to exceed 91 ppm |
| Hypochlorous acid, sodium salt | 7681–52–9 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Iodine | 7553–56–2 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Magnesium oxide | 1309–48–4 | None |
| Methylene blue | 61–73–4 | When ready for use, the end-use concentration is not to exceed 0.4 ppm |
| α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) average poly(oxyethylene) content 11 moles). | None | None |
| Octadecanoic acid, calcium salt | 1592–23–0 | None |
| 1-Octanesulfonic acid, sodium salt | 5324–84–5 | When ready for use, the end-use concentration is not to exceed 46 ppm |
| Octanoic acid | 124–07–2 | When ready for use, the end-use concentration is not to exceed 52 ppm |
| Oxirane, methyl-, polymer with oxirane, minimum molecular weight (in amu), 1900. | 9003–11–6 | None |
| Peroxyacetic acid | 79–21–0 | When ready for use, the end-use concentration is not to exceed 58 ppm |
| Peroxyoctanoic acid | 33734–57–5 | When ready for use, the end-use concentration is not to exceed 52 ppm |
| Phosphonic acid, (1-hydroxyethylidene)bis- | 2809–21–4 | When ready for use, the end-use concentration is not to exceed 14 ppm |
| Phosphoric acid, trisodium salt | 7601–54–9 | When ready for use, the end-use concentration is not to exceed 5916 ppm |
| Potassium bromide | 7758–02–3 | When ready for use, the end-use concentration is not to exceed 46 ppm total available halogen |
| Potassium iodide | 7681–11–0 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Quaternary ammonium compounds, alkyl ($C_{12}$-$C_{18}$) benzyldimethyl, chlorides. | 8001–54–5 | When ready for use, the end-use concentration of all quaternary chemicals in the solution is not to exceed 200 ppm of active quaternary compound |
| Quaternary ammonium compounds: n-alkyl ($C_{12-18}$) dimethyl benzyl ammonium chloride. | 68424–85–1 | When ready for use, the end-use concentration of all quaternary chemicals in solution is not to exceed 400 ppm of active quaternary compound |
| Quaternary Ammonium Compounds: n-alkyl ($C_{12-14}$) dimethyl ethylbenzyl ammonium chloride, average molecular weight (in amu), 377 to 384. | 85409–23–0 | When ready for use, the end-use concentration of all quaternary chemicals in solution is not to exceed 400 ppm of active quaternary compound. |
| Quaternary ammonium compounds n-alkyl ($C_{12}$-$C_{18}$) dimethyl ethylbenzyl ammonium chloride average molecular weight (in amu) 384. | None | When ready for use, the end-use concentration of all quaternary chemicals in the solution is not to exceed 200 ppm of active quaternary compound |
| Quaternary ammonium compounds, Di-n-Alkyl ($C_{8-10}$) dimethyl ammonium chloride, average molecular weight (in amu) 332 to 361. | None | When ready for use, the end-use concentration of these specific in quaternary ammonium compounds is not to exceed 240 ppm of active quaternary ammonium compound; the end-use concentration of all quaternary chemicals in the solution is not to exceed 400 ppm of active quaternary compound |
| Quaternary ammonium compounds, didecyl dimethyl ammonium carbonate/didecyl dimethyl ammonium bicarbonate. | 148788–55–0/148812–654–1 | When ready for use, the end-use concentration of these specific ammonium compounds is not to exceed 240 ppm of active quaternary ammonium compound |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Silver ions resulting from the use of electrolytically-generated silver ions stabilized in citric acid as silver dihydrogen citrate (does not include metallic silver). | 14701–21–4 | When ready for use, the end-use concentration of silver ions is not to exceed 50 ppm of active silver |
| Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate). | 151–21–3 | When ready for use, the end-use concentration is not to exceed 350 ppm |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt. | 2893–78–9 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine |

(b) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Dairy processing equipment, and food-processing equipment and utensils.

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Acetic acid | 64–19–7 | When ready for use, the end-use concentration is not to exceed 686 ppm |
| Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide. | 68608–66–2 | When ready for use, the end-use concentration is not to exceed 42 ppm chloroacetic acid |
| Benzenesulfonic acid, dodecyl- | 27176–87–0 | When ready for use, the end-use concentration is not to exceed 5.5 ppm |
| Butanedioic acid, octenyl- | 28805–58–5 | When ready for use, the end-use concentration is not to exceed 156 ppm |
| Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, minimum average molecular weight (in amu), 2400. | None | None |
| Calcium chloride | 10043–52–4 | When ready for use, the end-use concentration is not to exceed 17 ppm |
| n-Carboxylic acids ($C_6$-$C_{12}$), consisting of a mixture of not less than 56% octanoic acid and not less than 40% decanoic acid. | None | When ready for use, the end-use concentration is not to exceed 39 ppm |
| Decanoic acid | 334–48–5 | When ready for use, the end-use concentration is not to exceed 90 ppm |
| Ethanesulfonic acid, 2-[cyclohexyl (1-oxohexadecyl) amino]-, sodium salt. | 132–43–4 | When ready for use, the end-use concentration is not to exceed 237 ppm |
| Ethylenediaminetetraacetic acid (EDTA), disodium salt. | 139–33–3 | When ready for use, the end-use concentration is not to exceed 1400 ppm |
| FD&C Yellow No. 5 (Tartrazine) (conforming to 21 CFR 74.705). | 1934–21–0 | None |
| D-Gluconic acid, monosodium salt | 527–07–1 | When ready for use, the end-use concentration is not to exceed 760 ppm |
| Hydriodic acid | 10034–85–2 | When ready for use, the total end-use concentration of all iodide-producing chemicals is not to exceed 25 ppm of titratable iodine |
| Hydrogen peroxide | 7722–84–1 | When ready for use, the end-use concentration is not to exceed 465 ppm |
| Hypochlorous acid | 7790–92–3 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Iodine | 7553–56–2 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Lactic acid | 50–21–5 | When ready for use, the end-use concentration is not to exceed 138 ppm |
| Nonanoic acid | 112–05–0 | When ready for use, the end-use concentration is not to exceed 90 ppm |
| 1-Octanamine, N,N-dimethyl- | 7378–99–6 | When ready for use, the end-use concentration is not to exceed 113 ppm |
| 1,2-Octanedisulfonic acid | 113669–58–2 | When ready for use, the end-use concentration is not to exceed 102 ppm |
| 1-Octanesulfonic acid | 3944–72–7 | When ready for use, the end-use concentration is not to exceed 172 ppm |
| 1-Octanesulfonic acid, sodium salt | 5324–84–5 | When ready for use, the end-use concentration is not to exceed 297 ppm |
| 1-Octanesulfonic acid, 2-sulfino- | 113652–56–5 | When ready for use, the end-use concentration is not to exceed 102 ppm |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Octanoic acid | 124–07–2 | When ready for use, the end-use concentration is not to exceed 176 ppm |
| Oxychloro species (including chlorine dioxide) generated by acidification of an aqueous solution of sodium chlorite. | None | When ready for use, the end-use concentration is not to exceed 200 ppm of chlorine dioxide as determined by the method titled, Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide) |
| Peroxyacetic acid | 79–21–0 | When ready for use, the end-use concentration is not to exceed 315 ppm |
| Peroxyoctanoic acid | 33734–57–5 | When ready for use, the end-use concentration is not to exceed 122 ppm |
| Phosphonic acid, (1-hydroxyethylidene)bis- | 2809–21–4 | When ready for use, the end-use concentration is not to exceed 34 ppm |
| Phosphoric acid | 7664–38–2 | None |
| Phosphoric acid, monosodium salt | 7558–80–7 | When ready for use, the end-use concentration is not to exceed 350 ppm |
| Potassium iodide | 7681–11–0 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Propanoic acid | 79–09–4 | When ready for use, the end-use concentration is not to exceed 297 ppm |
| 2,6-Pyridinedicarboxylic acid | 499–83–2 | When ready for use, the end-use concentration is not to exceed 1.2 ppm |
| Sulfuric acid | 7664–93–9 | When ready for use, the end-use concentration is not to exceed 288 ppm |
| Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate). | 151–21–3 | When ready for use, the end-use concentration is not to exceed 350 ppm |

(c) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Food-processing equipment and utensils.

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Acetic acid | 64–19–7 | When ready for use, the end-use concentration is not to exceed 686 ppm |
| Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide. | 68608–66–2 | When ready for use, the end-use concentration is not to exceed 42 ppm chloroacetic acid |
| Ammonium chloride | 12125–02–9 | When ready for use, the end-use concentration is not to exceed 48 ppm |
| Benzenesulfonic acid, dodecyl- | 27176–87–0 | When ready for use, the end-use concentration is not to exceed 400 ppm |
| Benzenesulfonic acid, dodecyl-, sodium salt | 25155–30–0 | When ready for use, the end-use concentration is not to exceed 430 ppm |
| [1,1′-Biphenyl]-2-ol | 90–43–7 | When ready for use, the end-use concentration is not to exceed 400 ppm |
| Boric acid, sodium salt | 7775–19–1 | None |
| Butanedioic acid, octenyl- | 28805–58–5 | When ready for use, the end-use concentration is not to exceed 156 ppm |
| Butanedioic acid, sulfo-, 1,4-dioctyl ester, sodium salt. | 1639–66–3 | None |
| Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, cloudpoint of 90 - 100°C in 0.5 aqueous solution, average molecular weight (in amu), 3300. | None | None |
| Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, minimum average molecular weight (in amu), 2400. | None | None |
| Calcium chloride | 10043–52–4 | When ready for use, the end-use concentration is not to exceed 17 ppm |
| n-Carboxylic acids ($C_6$-$C_{12}$), consisting of a mixture of not less than 56% octanoic acid and not less than 40% decanoic acid. | None | When ready for use, the end-use concentration is not to exceed 39 ppm |
| 3-Cyclohexene-1-methanol,α,α,4-trimethyl- | 98–55–5 | None |
| 1-Decanaminium, N-decyl-N, N-dimethyl-, chloride. | 7173–51–5 | When ready for use, the end-use concentration is not to exceed 200 ppm of active quaternary compound |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Decanoic acid | 3347–48–5 | When ready for use, the end-use concentration is not to exceed 234 ppm |
| Ethanesulfonic acid, 2-[cyclohexyl (1-oxohexadecyl) amino]-, sodium salt. | 132–43–4 | When ready for use, the end-use concentration is not to exceed 237 ppm |
| Ethanol | 64–17–5 | None |
| Ethanol, 2 butoxy- | 111–76–2 | None |
| Ethanol, 2-(2-ethoxyethoxy)- | 111–90–0 | None |
| Ethylenediaminetetraacetic acid (EDTA), disodium salt. | 139–33–3 | When ready for use, the end-use concentration is not to exceed 1400 ppm |
| Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt. | 64–02–8 | None |
| Fatty acids, coco, potassium salts | 61789–30–8 | None |
| Fatty acids, tall-oil, sulfonated, sodium salts | 68309–27–3 | When ready for use, the end-use concentration is not to exceed 66 ppm |
| FD&C Yellow No. 5 (Tartrazine) (conforming to 21 CFR 74.705). | 1934–21–0 | None |
| D-Gluconic acid, monosodium salt | 527–07–1 | When ready for use, the end-use concentration is not to exceed 760 ppm |
| Hydriodic acid | 10034–85–2 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Hydrogen peroxide | 7722–84–1 | When ready for use, the end-use concentration is not to exceed 1100 ppm |
| Hypochlorous acid | 7790–92–3 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Hypochlorous acid, calcium salt | 7778–54–3 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Hypochlorous acid, lithium salt | 13840–33–0 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine and 30 ppm lithium |
| Hypochlorous acid, potassium salt | 7778–66–7 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Hypochlorous acid, sodium salt | 7681–52–9 | When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Iodine | 7553–56–2 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Lactic acid | 50–21–5 | None |
| Magnesium oxide | 1309–48–4 | None |
| Methylene blue | 61–73–4 | When ready for use, the end-use concentration is not to exceed 0.4 ppm |
| Neodecanoic acid | 26896–20–8 | When ready for use, the end-use concentration is not to exceed 174 ppm |
| Nonanoic acid | 112–05–0 | When ready for use, the end-use concentration is not to exceed 90 ppm |
| α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) maximum average molecular weight (in amu), 748. | None | None |
| α-(p-Nonylphenol)-ω-hydroxypoly (oxyethylene) average poly(oxyethylene) content 11 moles. | None | None |
| α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) produced by the condensation of 1 mole p-nonylphenol with 9 to 12 moles ethylene oxide. | None | None |
| α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene), 9 to 13 moles ethylene oxide. | None | None |
| Octadecanoic acid, calcium salt | 1592–23–0 | None |
| 9-Octadecenoic acid (9Z)-, sulfonated | 68988–76–1 | When ready for use, the end-use concentration is not to exceed 312 ppm |
| 9-Octadecenoic acid (9Z)-sulfonated, sodium salts. | 68443–05–0 | When ready for use, the end-use concentration is not to exceed 200 ppm |
| 1-Octanamine, N,N-dimethyl- | 7378–99–6 | When ready for use, the end-use concentration is not to exceed 113 ppm |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| 1,2-Octanedisulfonic acid | 113669–58–2 | When ready for use, the end-use concentration is not to exceed 102 ppm |
| 1-Octanesulfonic acid | 3944–72–7 | When ready for use, the end-use concentration is not to exceed 172 ppm |
| 1-Octanesulfonic acid, sodium salt | 5324–84–5 | When ready for use, the end-use concentration is not to exceed 312 ppm |
| 1-Octanesulfonic acid, 2-sulfino- | 113652–56–5 | When ready for use, the end-use concentration is not to exceed 102 ppm |
| Octanoic acid | 124–07–2 | When ready for use, the end-use concentration is not to exceed 234 ppm |
| Oxirane, methyl-, polymer with oxirane, minimum molecular weight (in amu), 1900. | 9003–11–6 | None |
| Oxirane, methyl-, polymer with oxirane, block, average molecular weight (in amu), 1900. | 106392–12–5 | None |
| Oxirane, methyl-, polymer with oxirane, block, minimum average molecular weight (in amu), 2000. | None | None |
| Oxirane, methyl-, polymer with oxirane, block, 27 to 31 moles of polyoxypropylene, average molecular weight (in amu) 2000. | None | None |
| Oxychloro species (predominantly chlorite, chlorate and chlorine dioxide in an equilibrium mixture) generated either (i) by directly metering a concentrated chlorine dioxide solution prepared just prior to use, into potable water, or (ii) by acidification of an aqueous alkaline solution of oxychloro species (predominately chlorite and chlorate) followed by dilution with potable water. | None | When ready for use, the end-use concentration is not to exceed 200 ppm of chlorine dioxide as determined by the method titled, ''Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide)'' |
| Oxychloro species (including chlorine dioxide) generated by acidification of an aqueous solution of sodium chlorite. | None | When ready for use, the end-use concentration is not to exceed 200 ppm of chlorine dioxide as determined by the method titled, ''Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide)'' |
| 2,4-Pentanediol, 2-methyl- | 107–41–5 | None |
| Peroxyacetic acid | 79–21–0 | When ready for use, the end-use concentration is not to exceed 315 ppm |
| Peroxyoctanoic acid | 33734–57–5 | When ready for use, the end-use concentration is not to exceed 122 ppm |
| Phenol, 4-chloro-2-(phenylmethyl)- | 120–32–1 | When ready for use, the end-use concentration is not to exceed 320 ppm |
| Phenol, 4-(1,1-dimethylpropyl)- | 80–46–6 | When ready for use, the end-use concentration is not to exceed 80 ppm |
| Phosphonic acid, (1-hydroxyethylidene)bis- | 2809–21–4 | When ready for use, the end-use concentration is not to exceed 34 ppm |
| Phosphoric acid | 7664–38–2 | None |
| Phosphoric acid, monosodium salt | 7558–80–7 | When ready for use, the end-use concentration is not to exceed 350 ppm |
| Phosphoric acid, trisodium salt | 7601–54–9 | When ready for use, the end-use concentration is not to exceed 5916 ppm |
| Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl) phenyl]-ω-hydroxy-, produced with one mole of the phenol and 4 to 14 moles ethylene oxide. | None | None |
| Potassium bromide | 7758–02–3 | When ready for use, the end-use concentration of all bromide-producing chemicals in the solution is not to exceed 200 ppm total available halogen |
| Potassium iodide | 7681–11–0 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Propanoic acid | 79–09–4 | When ready for use, the end-use concentration is not to exceed 297 ppm |
| 2,6-Pyridinedicarboxylic acid | 499–83–2 | When ready for use, the end-use concentration is not to exceed 1.2 ppm |
| Quaternary ammonium compounds, alkyl ($C_{12}$-$C_{18}$) benzyldimethyl, chlorides. | 8001–54–5 | When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound |

| Pesticide Chemical | CAS Reg. No. | Limits |
|---|---|---|
| Quaternary ammonium compounds, n-alkyl ($C_{12}$-$C_{14}$) dimethyl ethylbenzyl ammonium chloride, average molecular weight (in amu), 377 to 384. | None | When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound |
| Quaternary ammonium compounds, n-alkyl ($C_{12}$-$C_{18}$) dimethyl ethylbenzyl ammonium chloride average molecular weight (in amu) 384. | None | When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound |
| Quaternary ammonium compounds, di-n-Alkyl ($C_8$-$C_{10}$) dimethyl ammonium chloride, average molecular weight (in amu), 332 to 361. | None | When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 240 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound |
| Sodium-α-alkyl($C_{12}$-$C_{15}$)-ω-hydroxypoly (oxyethylene) sulfate with the poly(oxyethylene) content averaging one mole. | None | None |
| Sodium bromide | 7647–15–6 | When ready for use, the end-use concentration of all bromide-producing chemicals in the solution is not to exceed 200 ppm total available halogen |
| Sodium iodide | 7681–82–5 | When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine |
| Sulfuric acid | 7664–93–9 | When ready for use, the end-use concentration is not to exceed 228 ppm |
| Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate). | 151–21–3 | None |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-. | 2782–57–2 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, potassium salt. | 2244–21–5 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt. | 2893–78–9 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine |
| 1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-. | 87–90–1 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine |
| 1,3,5-Triazine, N,N′,N″-trichloro-2,4,6-triamino- | 7673–09–8 | When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine |
| Xylenesulfonic acid, sodium salt | 1300–72–7 | When ready for use, the end-use concentration is not to exceed 62 ppm |

[69 FR 23136, Apr. 28, 2004, as amended at 71 FR 30811, May 31, 2006; 71 FR 45423, Aug. 9, 2006; 71 FR 46125, Aug. 11, 2006; 72 FR 51186, Sept. 6, 2007; 73 FR 37858, July 2, 2008; 73 FR 49107, Aug. 20, 2008; 73 FR 53725, Sept. 17, 2008; 74 FR 27454, June 10, 2009; 74 FR 38944, Aug. 5, 2009; 74 FR 40509, Aug. 12, 2009; 75 FR 40735, July 14, 2010]

## § 180.950 Tolerance exemptions for minimal risk active and inert ingredients.

Unless specifically excluded, residues resulting from the use of the following substances as either an inert or an active ingredient in a pesticide chemical formulation, including antimicrobial pesticide chemicals, are exempted from the requirement of a tolerance under FFDCA section 408, if such use is in accordance with good agricultural or manufacturing practices.

(a) *Commonly consumed food commodities*. Commonly consumed food commodities means foods that are commonly consumed for their nutrient properties. The term commonly consumed food commodities shall only

apply to food commodities (whether a raw agricultural commodity or a processed commodity) in the form the commodity is sold or distributed to the public for consumption.

(1) Included within the term commonly consumed food commodities are:

(i) Sugars such as sucrose, lactose, dextrose and fructose, and invert sugar and syrup.

(ii) Spices such as cinnamon, cloves, and red pepper.

(iii) Herbs such as basil, anise, or fenugreek.

(2) Excluded from the term commonly consumed food commodities are:

(i) Any food commodity that is adulterated under 21 U.S.C. 342.

(ii) Both the raw and processed forms of peanuts, tree nuts, milk, soybeans, eggs, fish, crustacea, and wheat.

(iii) Alcoholic beverages.

(iv) Dietary supplements.

(b) *Animal feed items.* Animal feed items means meat meal and all items derived from field crops that are fed to livestock excluding both the raw and processed forms of peanuts, tree nuts, milk, soybeans, eggs, fish, crustacea, and wheat. Meat meal is an animal feed composed of dried animal fat and protein that has been sterilized. Other than meat meal, the term animal feed item does not extend to any item designed to be fed to animals that contains, to any extent, components of animals. Included within the term animal feed items are:

(1) The hulls and shells of the commodities specified in paragraph (a)(2)(ii) of this section, and cocoa bean.

(2) Bird feed such as canary seed.

(3) Any feed component of a medicated feed meeting the definition of an animal feed item.

(c) *Edible fats and oils.* Edible fats and oils means all edible (food or feed) fats and oils, derived from either plants or animals, whether or not commonly consumed, including products derived from hydrogenating (food or feed) oils, or liquefying (food or feed) fats.

(1) Included within the term edible fats and oils are oils (such as soybean oil) that are derived from the commodities specified in paragraph (a)(2)(ii) of this section when such oils are highly refined via a solvent extraction procedure.

(2) Excluded from the term edible fats and oils are plant oils used in the pesticide chemical formulation specifically to impart their characteristic fragrance and/or flavoring.

(d) [Reserved]

(e) *Specific chemical substances.* Residues resulting from the use of the following substances as either an inert or an active ingredient in a pesticide chemical formulation, including antimicrobial pesticide chemicals, are exempted from the requirement of a tolerance under FFDCA section 408, if such use is in accordance with good agricultural or manufacturing practices.

| Chemical | CAS No. |
|---|---|
| Acetic acid, sodium salt | 127–09–3 |
| Alpha-cyclodextrin | 10016–20–3 |
| Amylopectin, acid-hydrolyzed, 1-octenylbutanedioate | 113894–85–2 |
| Amylopectin, hydrogen 1-octadecenylbutanedioate | 125109–81–1 |
| Animal glue | None |
| Ascorbic acid (vitamin C) | 50–81–7 |
| Beeswax | 8012–89–3 |
| Benzoic acid, sodium salt | 532–32–1 |
| Beta-cyclodextrin | 7585–39–9 |
| Carbonic acid, monopotassium salt | 298–14–6 |
| Carbonic acid, monosodium salt (sodium bicarbonate) | 144–55–8 |
| Carnauba wax | 8015–86–9 |
| Carob gum (locust bean gum) | 9000–40–2 |
| Castor oil | 8001–79–4 |
| Castor oil, hydrogenated | 8001–78–3 |
| Cellulose | 9004–34–6 |
| Cellulose acetate | 9004–35–7 |
| Cellulose, carboxy methyl ether, sodium salt | 9004–32–4 |
| Cellulose, 2-hydroxyethyl ether | 9004–62–0 |
| Cellulose, 2-hydroxypropyl ether | 9004–64–2 |
| Cellulose, 2-hydroxypropyl methyl ether | 9004–65–3 |
| Cellulose, methyl ether | 9004–67–5 |
| Cellulose, mixture with cellulose carboxymethyl ether, sodium salt | 51395–75–6 |
| Cellulose, pulp | 65996–61–4 |
| Cellulose, regenerated | 68442–85–3 |
| Citric acid | 77–92–9 |
| Citric acid, 2-(acetyloxy)-, tributyl ester | 77–90–7 |
| Citric acid, calcium salt | 7693–13–2 |
| Citric acid, calcium salt (2:3) | 813–94–5 |
| Citric acid, dipotassium salt | 3609–96–9 |
| Citric acid, disodium salt | 144–33–2 |
| Citric acid, monohydrate | 5949–29–1 |
| Citric acid, monopotassium salt | 866–83–1 |
| Citric acid, monosodium salt | 18996–35–5 |
| Citric acid, potassium salt | 7778–49–6 |
| Citric acid, triethyl ester | 77–93–0 |
| Citric acid, tripotassium salt | 866–84–2 |
| Citric acid, tripotassium salt, monohydrate | 6100–05–6 |
| Citric acid, sodium salt | 994–36–5 |
| Citric acid, trisodium salt | 68–04–2 |
| Citric acid, trisodium salt, dihydrate | 6132–04–3 |
| Citric acid, trisodium salt, pentahydrate | 6858–44–2 |
| Coffee grounds | 68916–18–7 |
| Dextrins | 9004–53–9 |

| Chemical | CAS No. |
|---|---|
| 1,3-Dioxolan-2-one, 4-methyl-(propylene carbonate) | 108–32–7 |
| Fumaric acid | 110–17–8 |
| Gamma-cyclodextrin | 17465–86–0 |
| Gellan gum | 71010–52–1 |
| D-Glucitol (sorbitol) | 50–70–4 |
| Glycerol (glycerin) (1,2,3-propanetriol) | 56–81–5 |
| Guar gum | 9000–30–0 |
| Humic acid | 1413–93–6 |
| Humic acid, potassium salt | 68514–28–3 |
| Humic acid, sodium salt | 68131–04–4 |
| Lactic acid, n-butyl ester | 138–22–7 |
| Lactic acid, n-butyl ester, (S) | 34451–19–9 |
| Lactic acid, ethyl ester | 97–64–3 |
| Lactic acid, ethyl ester,(S) | 687–47–8 |
| Lanolin | 8006–54–0 |
| Lecithins | 8002–43–5 |
| Lecithins, soya | 8030–76–0 |
| Licorice Extract | 68916–91–6 |
| Maltodextrin | 9050–36–6 |
| Paper | None |
| Potassium chloride | 7447–40–7 |
| 2-Propanol (isopropyl alcohol) | 67–63–0 |
| Red cabbage color, expressed from edible red cabbage heads via a pressing process using only acidified water | None |
| Silica, amorphous, fumed (crystalline free) | 112945–52–5 |
| Silica, amorphous, precipitated and gel | 7699–41–4 |
| Silica gel | 63231–67–4 |
| Silica gel, precipitated, crystalline-free | 112926–00–8 |
| Silica, hydrate | 10279–57–9 |
| Silica, vitreous | 60676–86–0 |
| Soap (The water soluble sodium or potassium salts of fatty acids produced by either the saponification of fats and oils, or the neutralization of fatty acid) | None |
| Sorbic acid, potassium salt | 24634–61–5 |
| Soapbark (Quillaja saponin) | 1393–03–9 |
| Sodium alginate | 9005–38–3 |
| Sodium chloride | 7647–14–5 |
| Syrups, hydrolyzed starch, hydrogenated | 68425–17–2 |
| Ultramarine blue (C.I. Pigment Blue 29) | 57455–37–5 |
| Urea | 57–13–6 |
| Vanillin | 121–33–5 |
| Xanthan gum | 11138–66–2 |

[67 FR 36537, May 24, 2002]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.950, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

## § 180.960 Polymers; exemptions from the requirement of a tolerance.

Residues resulting from the use of the following substances, that meet the definition of a polymer and the criteria specified for defining a low-risk polymer in 40 CFR 723.250, as an inert ingredient in a pesticide chemical formulation, including antimicrobial pesticide chemical formulations, are exempted from the requirement of a tolerance under FFDCA section 408, if such use is in accordance with good agricultural or manufacturing practices.

| Polymer | CAS No. |
|---|---|
| Acetic acid ethenyl ester, polymer with ethenol and (α)-2-propenyl-(ω)-hydroxypoly (oxy-1,2-ethanediyl) minimum number average molecular weight (in amu), 15,000 | 137091–12–4 |
| Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone | 25086–89–9 |
| Acetic acid ethenyl ester, polymer with oxirane, minimum number average molecular weight (in amu), 17,000 | 25820–49–9 |
| Acetic acid ethenyl ester, polymer with sodium 2-methyl-2-[(1-oxo-2-propen-1-yl)amino]-1-propanesulfonate (1:1), hydrolyzed, minimum number average molecular weight (in amu), 61,000 | 924892–37–5 |
| Acrylic acid-benzyl methacrylate-1-propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium salt, minimum number average molecular weight (in amu), 1500 | 1152297–42–1 |
| Acrylic acid, polymerized, and its ethyl and methyl esters | None |
| Acrylic acid-sodium acrylate-sodium-2-methylpropanesulfonate copolymer, minimum average molecular weight (in amu), 4,500 | 97953–25–8 |
| Acrylic acid-stearyl methacrylate copolymer, minimum number average molecular weight (in amu), 2,500 | 27756–15–6 |
| Acrylic acid, styrene, α-methyl styrene copolymer, ammonium salt, minimum number average molecular weight (in amu), 1,250 | 89678–90–0 |
| Acrylic acid terpolymer, partial sodium salt, minimum number average molecular weight (in amu), 2,400 | 151006–66–5 |

| Polymer | CAS No. |
|---|---|
| Acrylic polymers composed of one or more of the following monomers: Acrylic acid, methyl acrylate, ethyl acrylate, butyl acrylate, hydroxyethyl acrylate, hydroxypropyl acrylate, hydroxybutyl acrylate, carboxyethyl acrylate, methacrylic acid, methyl methacrylate, ethyl methacrylate, butyl methacrylate, isobutyl methacrylate, hydroxyethyl methacrylate, hydroxypropyl methacrylate, hydroxybutyl methacrylate, lauryl methacrylate, and stearyl methacrylate; with none and/or one or more of the following monomers: Acrylamide, N-methyl acrylamide, N,N-dimethyl acrylamide, N-octylacrylamide, maleic anhydride, maleic acid, monoethyl maleate, diethyl maleate, monooctyl maleate, dioctyl maleate; and their corresponding sodium, potassium, ammonium, isopropylamine, triethylamine, monoethanolamine, and/or triethanolamine salts; the resulting polymer having a minimum number average molecular weight (in amu), 1,200 | None |
| Acrylonitrile-butadiene copolymer conforming to 21 CFR 180.22, minimum average molecular weight (in amu), 1,000 | 9003–18–3 |
| Acrylonitrile-styrene-hydroxypropyl methacrylate copolymer, minimum number average molecular weight (in amu), 447,000 | None |
| α-alkyl ($C_{12}$–$C_{15}$) - ω- hydroxypoly(oxypropylene)poly(oxyethylene)copolymers (where the poly(oxypropylene) content is 3–60 moles and the poly(oxyethylene) content is 5–80 moles), the resulting ethoxylated propoxylated ($C_{12}$–$C_{15}$) alcohols having a minimum molecular weight (in amu), 1,500 | 68551–13–3 |
| α-alkyl-ω-hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons, minimum number average molecular weight (in amu) 1,100 | 9002–92–0, 9004–95–9, 9005–00–9, 26183–52–8, 34398–01–1, 52292–17–8, 66455–14–9, 66455–15–0, 68002–97–1, 68131–39–5, 68131–40–8, 68154–96–1, 68213–23–0, 68439–45–2, 68439–46–3, 68526–94–3, 68439–50–9, 68439–49–6, 68551–12–2, 68951–67–7, 71243–46–4, 97043–91–9, 9043–30–5, 60828–78–6, 61827–42–7, 24938–91–8, 68439–54–3, 69011–36–5, 78330–20–8, 78330–21–9, 106232–83–1, 127036–24–2, 160875–66–1, 9004–98–2, 68920–66–1, 61804–34–0, 61791–28–4, 71060–57–6, 26468–86–0, 31726–34–8, 52609–19–5, 61791–20–6, 68155–01–1, 69013–19–0, 69364–63–2, 70879–83–3, 78330–19–5, 97953–22–5, 157627–86–6, 34398–05–5, 72905–87–4, 84133–50–6, 61702–78–1, 27306–79–2, 169107–21–5, 61791–13–7, 39587–22–9, 85422–93–1; 68154–98–3, 61725–89–1, 68002–96–0, 68154–97–2, 68439–51–0, 68551–13–3, 68603–25–8, 68937–66–6, 68987–81–5, 69227–21–0, 70750–27–5, 103818–93–5, 166736–08–9, 120313–48–6, 68213–24–1, 68458–88–8, 68551–14–4, 69013–18–9, 69227–22–1, 72854–13–8, 73049–34–0, 78330–23–1, 37311–02–7, 64366–70–7, 37251–67–5, 9087–53–0, 196823–11–7, 57679–21–7, 111905–54–5, 61827–84–7, 172588–43–1 |
| Alkyl ($C_{12}$–$C_{20}$) methacrylate-methacrylic acid copolymer, minimum molecular weight (in amu), 11,900 | None |

| Polymer | CAS No. |
|---|---|
| 2H-Azepin-2-one, 1-ethenylhexahydro-, homopolymer | 25189–83–7 |
| 1,3 Benzene dicarboxylic acid, 5-sulfo-, 1,3-dimethyl ester, sodium salt, polymer with 1,3-benzene dicarboxylic acid, 1,4-benzene dicarboxylic acid, dimethyl 1,4-benzene dicarboxylate and 1,2-ethanediol, minimum number average molecular weight (in amu), 2,580 | 212842–88–1 |
| 3,5-Bis(6-isocyanatohexyl)-2H-1,3,5-oxadiazine-2,4,6-(3H,5H)-trione, polymer with diethylenetriamine, minimum number average molecular weight (in amu), 1,000,000 | 87823–33–4 |
| Butadiene-styrene copolymer | None |
| 1,4-Butanediol-methylenebis(4-phenylisocyanate)-poly(tetramethylene glycol) copolymer, minimum molecular weight (in amu) 158,000 | 9018– 04–6 |
| Butene, homopolymer | 9003–29–6 |
| 2-butenedioic acid (2Z)-, monobutyl ester, polymer with methoxyethene, sodium salt, minimum number average molecular weight (in amu), 18,200 | 205193–99–3 |
| 2-Butenedioic acid (Z)-, polymer with ethenol and ethenyl acetate, sodium salt, minimum number average molecular weight (in amu), 75,000 | 139871–83–3 |
| Butyl acrylate-vinyl acetate-acrylic acid copolymer, minimum number average molecular weight (in amu), 18,000 | 65405–40–5 |
| Carbonic acid, diethyl ester, polymer with α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), ester with α-[[[[5-(carboxyamino)-1,3,3-trimethylcyclohexyl]methyl]amino]carbonyl]-ω-methoxypoly(oxy-1,2-ethanediyl), minimum number average molecular weight (in amu), 1,900 | 1147260–65–8 |
| Castor oil, ethoxylated, dioleate, minimum number average molecular weight (in amu), 1260. | 110531–96–9 |
| Castor oil, ethoxylated, oleate, minimum number average molecular weight (in amu), 1,600 | 220037–02–5 |
| Castor oil, polyoxyethylated; the poly(oxyethylene) content averages 5–54 moles | None |
| Chlorinated polyethylene | 64754–90–1 |
| Cross-linked nylon-type polymer formed by the reaction of a mixture of sebacoyl chloride and polymethylene polyphenylisocycanate with a mixture of ethylenediamine and diethylenetriamine | None |
| Cross-linked polyurea-type encapsulating polymer | None |
| Dimethylpolysiloxane minimum number average molecular weight (in amu), 6,800 | 63148–62–9 |
| Dimethyl silicone polymer with silica, minimum number average molecular weight (in amu), 1,100,000 | 67762–90–7 |
| α-(o,p-Dinonylphenyl)-ω-hydroxypoly(oxyethylene) produced by condensation of 1 mole of dinonylphenol (nonyl group is a propylene trimer isomer) with an average of 140-160 moles of ethylene oxide | 9014–93–1 |
| Docosyl methacrylate-acrylic acid copolymer, or docosyl methacrylate-octadecyl methacrylate-acrylic acid copolymer, minimum number average molecular weight (in amu), 3,000 | None |
| 1,12-Dodecanediol dimethacrylate polymer, minimum molecular weight (in amu), 100,000 | None |
| α-(p-Dodecylphenyl)-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of dodecylphenol (dodecyl group is a propylene tetramer isomer) with an average of 30-70 moles of ethylene oxide | 9014–92–0<br>26401–47–8 |
| 1, 2-Ethanediamine, polymer with methyl oxirane and oxirane, minimum number average molecular weight (in amu), 1,100 | 26316–40–5 |
| Ethylene glycol dimethyacrylate-lauryl methacrylate copolymer, minimum molecular weight (in amu), 100,000 | None |
| Ethylene glycol dimethacrylate polymer, minimum molecular weight (in amu), 100,000 | None |
| Formaldehyde, polymer with α-[bis(1-phenylethyl)phenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl), number average molecular weight (in amu), 1,803 | 157291–93–5 |

| Polymer | CAS No. |
|---|---|
| Formaldehyde, polymer with 2-methyloxirane and 4-nonylphenol, minimum number average molecular weight (in amu), 4,000 | 37523–33–4 |
| Fumaric acid-isophthalic acid-styrene-ethylene/propylene glycol copolymer, minimum average molecular weight (in amu), $1\times10^{18}$ | None |
| Hexadecyl acrylate-acrylic acid copolymer, hexadecyl acrylate-butyl acrylate-acrylic acid copolymer, or hexadecyl acrylate-dodecyl acrylate-acrylic acid copolymer, minimum number average molecular weight (in amu), 3,000 | None |
| Hexamethyl disilizane, reaction product with silica, minimum number average molecular weight (in amu), 645,000 | 68909–20–6 |
| 1,6-Hexanediol dimethyacrylate polymer, minimum molecular weight (in amu), 100,000 | None |
| α-Hydro-ω-hydroxy-poly(oxyethylene) C8 alkyl ether citrates, poly(oxyethylene) content is 4–12 moles, minimum number average molecular weight (in amu) 1,300 | 330977–00–9 |
| α-Hydro-ω-hydroxy-poly(oxyethylene) C10–C16-alkyl ether citrates, poly(oxyethylene) content is 4–12 moles, minimum number average molecular weight (in amu) 1,100 | 330985–58–5 |
| α-Hydro-ω-hydroxy-poly(oxyethylene) C16–C18-alkyl ether citrates, poly(oxyethylene) content is 4–12 moles, minimum number average molecular weight (in amu) 1,300 | 330985–61–0 |
| α-Hydro-ω-hydroxypoly(oxyethylene), minimum molecular weight (in amu), 100,000 | None |
| α-Hydro-ω-hydroxypoly(oxyethylene)poly (oxypropylene) poly(oxyethylene) block copolymer; the minimum poly(oxypropylene) content is 27 moles and the minimum molecular weight (in amu) is 1,900 | None |
| α-Hydro-ω-hydroxypoly(oxypropylene); minimum molecular weight (in amu) 2,000 | None |
| 12-Hydroxystearic acid-polyethylene glycol copolymer, minimum number average molecular weight (in amu), 3,690 | 70142–34–6 |
| Isodecyl alcohol ethoxylated (2–8 moles) polymer with chloromethyl oxirane, minimum number average molecular weight (in amu) 2,500 | None |
| Lauryl methacrylate-1,6-hexanediol dimethacrylate copolymer, minimum molecular weight (in amu), 100,000 | None |
| Maleic acid-butadiene copolymer | None |
| Maleic acid monobutyl ester-vinyl methyl ether copolymer, minimum average molecular weight (in amu), 52,000 | 25119–68–0 |
| Maleic acid monoethyl ester-vinyl methyl ether copolymer, minimum average molecular weight (in amu), 46,000 | 25087–06–3 |
| Maleic acid monoisopropyl ester-vinyl methyl ether copolymer, minimum average molecular weight (in amu), 49,000 | 31307–95–6 |
| Maleic anhydride-diisobutylene copolymer, sodium salt, minimum number average molecular weight (in amu) 5,0007–18,000 | 37199–81–8 |
| Maleic anhydride-methylstyrene copolymer sodium salt, minimum number average molecular weight (in amu), 15,000 | 60092–15–1 |
| Maleic anhydride-methyl vinyl ether, copolymer, average molecular weight (in amu), 250,000 | None |
| Methacrylic acid-methyl methacrylate-polyethylene glycol methyl ether methacrylate copolymer, minimum number averge molecular weight (in amu), 3,700 | 100934–04–1 |
| Methacrylic copolymer, minimum number average molecular weight (in amu), 15,000 | 63150–03–8 |
| Methyl methacrylate-methacrylic acid-monomethoxypolyethylene glycol methacrylate copolymer,) minimum number average molecular weight (in amu), 2,730 | 119724–54–8 |
| Methyl methacrylate-2-sulfoethyl methacrylate-dimethylaminoethylmethacrylate-glycidyl methacrylate-styrene-2-ethylhexyl acrylate graft copolymer, minimum average molecular weight (in amu), 9,600 | None |
| Methyl vinyl ether-maleic acid copolymer), minimum number average molecular weight (in amu), 75,000 | 25153–40–6 |

| Polymer | CAS No. |
|---|---|
| Methyl vinyl ether-maleic acid copolymer, calcium sodium salt, minimum number average molecular weight (in amu), 900,000 | 62386–95–2 |
| Monophosphate ester of the block copolymer α-hydro-ω-hydroxypoly(oxyethylene) poly(oxypropylene) poly(oxyethylene); the poly(oxypropylene) content averages 37–41 moles, average molecular weight (in amu), 8,000 | None |
| α-(p-Nonylphenyl)-ω-hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 30 moles | None |
| α-(p-Nonylphenyl)-ω-hydroxypoly(oxyethylene) sulfate, and its ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 30-90 moles of ethylene oxide | None |
| α-(*p*-Nonylphenyl-ω-hydroxypoly(oxypropylene) block polymer with poly(oxyethylene); polyoxypropylene content of 10–60 moles; polyoxyethylene content of 10–80 moles; molecular weight (in amu), 1,200–7,100. | None |
| α-(*p*-Nonylphenyl)poly(oxypropylene) block polymer with poly(oxyethylene); poly oxyethylene content 30 to 90 moles; molecular weight (in amu) averages 3,000 | None |
| Octadecanoic acid, 12-hydroxy-, homopolymer, octadecanoate minimum number average molecular weight (in amu), 1,370 | 58128–22–6), |
| α-cis-9-Octadecenyl-ω-hydroxypoly(oxyethylene); the octadecenyl group is derived from oleyl alcohol and the poly(oxyethylene) content averages 20 moles | None |
| Octadecyl acrylate-acrylic acid copolymer, octadecyl acrylate-dodecyl acrylate-acrylic acid copolymer, octadecyl methacrylate-butyl acrylate-acrylic acid copolymer, octadecyl methacrylate-hexyl acrylate-acrylic acid copolymer, octadecyl methacrylate-dodecyl acrylate-acrylic acid copolymer, or octadecyl methacrylate-dodecyl methacrylate-acrylic acid copolymer, minimum number average molecular weight (in amu) 3,000 | None |
| Oleic acid diester of α-hydro-ω-hydroxypoly(oxyethylene); the poly(oxyethylene), average molecular weight (in amu), 2,300 | None |
| 2-oxepanone, homopolymer, minimum number average molecular weight (in amu) 52,000 | 24980–41–4 |
| Oxirane, decyl-, reaction products with polyethylene-polypropylene glycol ether with trimethylolpropane (3:1) | 903890–89–1 |
| Oxirane, hexadecyl-, reaction products with polyethylene-polypropylene glycol ether with trimethylolpropane (3:1) | 893427–80–0 |
| Oxirane, 2-methyl-, polymer with oxirane, dimethyl ether, minimum number average molecular weight (in amu), 2,800 | 61419–46–3 |
| Oxirane, methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl) – 1,3 - propanediol (3:1), reaction products with tetradecyloxirane | 903890–90–4 |
| Oxirane, methyl-, polymer with oxirane, mono[2-(2-butoxyethoxy) ethyl] ether, minimum number average molecular weight (in amu), 2,500 | 85637–75–8 |
| Oxirane, methyl-, polymer with Oxirane, Monobutyl Ether | 9038–95–3 |
| Oxirane, 2-methyl-, polymer with oxirane, minimum number average molecular weight (in amu), 1,100 | 9003–11–6 |
| Oxirane, 2-methyl-, polymer with oxirane, mono [2-[2-(2-butoxymethylethoxy)methylethoxy]methylethyl] ether, minimum number average molecular weight (in amu), 3,000 | 926031–36–9 |
| Polyamide polymer derived from sebacic acid, vegetable oil acids with or without dimerization, terephthalic acid and/or ethylenediamine | None |
| Polyethylene glycol-polyisobutenyl anhydride-tall oil fatty acid copolymer, minimum number average molecular weight (in amu), 2,960 | 68650–28–2 |
| Polyethylene, oxidized, minimum number average molecular weight (in amu), 1,200 | None |

| Polymer | CAS No. |
|---|---|
| Polymethylene polyphenylisocyanate, polymer with ethylene diamine, diethylene triamine and sebacoyl chloride, cross-linked; minimum number average molecular weight (in amu), 100,000 | None |
| Polyoxyalkylated glycerol fatty acid esters; the mono-, di-, or triglyceride mixtures of $C_8$ through $C_{22}$, primarily $C_8$ through $C_{18}$ saturated and unsaturated, fatty acids containing up to 15% water by weight reacted with a minimum of three moles of either ethylene oxide or propylene oxide; the resulting polyoxyalkylated glycerol ester polymer minimum number average molecular weight (in amu), 1,500 | 61791–23–9, 68201–46–7, 68440–49–3, 68458–88–8, 68606–12–2, 68648–38–4, 70377–91–2, 70914–02–2, 72245–12–6, 72698–41–3, 180254–52–8, 248273–72–5, 308063–50–5, 952722–33–7 |
| Poly(oxy-1,2-ethanediyl), α-hydro-ω-hydroxy-, polymer with 1, 1′-methylene-bis-[4-isocyanatocyclohexane], minimum number average molecular weight (in amu), 1800 | 39444–87–6 |
| Polyoxyethylated primary amine ($C_{14}$–$C_{18}$); the fatty amine is derived from an animal source and contains 3% water; the poly(oxyethylene) content averages 20 moles | None |
| Polyoxyethylated sorbitol fatty acid esters; the polyoxyethylated sorbitol solution containing 15% water is reacted with fatty acids limited to $C_{12}$, $C_{14}$, $C_{16}$, and $C_{18}$, containing minor amounts of associated fatty acids; the poly(oxyethylene) content averages 30 moles. | None |
| Polyoxyethylated sorbitol fatty acid esters; the sorbitol solution containing up to 15% water is reacted with 20–50 moles of ethylene oxide and aliphatic alkanoic and/or alkenoic fatty acids $C_8$ through $C_{22}$ with minor amounts of associated fatty acids; the resulting polyoxyethylene sorbitol ester having a minimum molecular weight (in amu), 1,300 | None |
| Poly(oxyethylene/oxypropylene) monoalkyl ($C_6$–$C_{10}$) ether sodium fumarate adduct, minimum number average molecular weight (in amu), 1,900 | 102900–02–7 |
| Polyoxymethylene copolymer, minimum number average molecular weight (in amu), 15,000 | None |
| Poly(oxypropylene) block polymer with poly(oxyethylene), molecular weight (in amu), 1,800–16,000 | None |
| Poly(phenylhexylurea), cross-linked, minimum average molecular weight (in amu), 36,000 | None |
| Polypropylene | 9003–07–0 |
| Polystyrene, minimum number average molecular weight (in amu), 50,000 | 9003–53–6 |
| Polytetrafluoroethylene | 9002–84–0 |
| Polyvinyl acetate, copolymer with maleic anhydride, partially hydrolyzed, sodium salt, minimum number average molecular weight (in amu), 53,000 | None |
| Polyvinylpyrrolidone butylated polymer, minimum number average molecular weight (in amu), 9,500 | 26160–96–3 |
| Polyvinyl acetate, minimum molecular weight (in amu), 2,000 | None |
| Polyvinyl acetate—polyvinyl alcohol copolymer, minimum number average molecular weight (in amu), 50,000 | 25213–24–5 |
| Polyvinyl alcohol | 9002–89–5 |
| Polyvinyl chloride | None |
| Polyvinyl chloride, minimum number average molecular weight (in amu), 29,000 | 9002–86–2 |
| Poly(vinylpyrrolidone), minimum number average molecular weight (in amu), 4,000 | 9003–39–8 |
| Poly(vinylpyrrolidone-1-eicosene), minimum average molecular weight (in amu), 3,000 | 28211–18–9 |
| Poly(vinylpyrrolidone-1-hexadecene), minimum average molecular weight (in amu), 4,700 | 63231–81–2 |
| 1-propanesulfonic acid, 2-methyl-2-[(1-oxo-2-propenyl)amino]-, monosodium salt, polymer with ethenol and ethenyl acetate, minimum number average molecular weight (in amu) 50,000 | 107568–12–7 |

| Polymer | CAS No. |
|---|---|
| 2-Propene-1-sulfonic acid sodium salt, polymer with ethenol and ethenyl acetate, number average molecular weight (in amu) 6,000–12,000 | None |
| 2-propenoic acid, butyl ester, polymer with ethenylbenzene, methyl 2-methyl-2-propenoate and 2-propenoic acid (in amu), 1900. | 27306–39–4 |
| 2-Propenoic acid, butyl ester, polymer with ethyl 2-propenoate and N-(hydroxymethyl)-2-propenamide, minimum number average molecular weight (in amu), 30,000 | 33438–19–6 |
| 2-Propenoic acid, 2-ethylhexyl ester, polymer with ethenylbenzene and 2-methylpropyl 2-methyl-2-propenoate, minimum number average molecular weight (in amu), 18,000 | 68240–06–2 |
| 2-Propenoic acid, 2-hydroxyethyl ester, polymer with α-[4-(ethenyloxy)butyl]-ω-hydroxypoly (oxy-1,2-ethanediyl), minimum number average molecular weight (in amu), 17,000 | 1007234–89–0 |
| [2-propenoic acid, 2-methyl-, C12-16-alkyl esters, telomers with 1-dodecanethiol, polyethylene-polypropylene glycol ether with propylene glycol monomethacrylate (1:1), and styrene 2,2'-(1,2-diazenediyl)bis[2-methylbutanenitrile]-initiated, minimum number average molecular weight (in amu), 4,000 | 950207–35–9 |
| 2-Propenoic acid, methyl ester, polymer with ethenyl acetate, hydrolyzed, sodium salts | 886993–11–9 |
| 2-Propenoic acid, 2-Methyl-, Polymer with Butyl 2-Propenoate, Methyl 2-Methyl-2-Propenoate, Methyl 2-Propenoate and 2-Propenoic Acid, graft, Compound with 2-Amino-2-Methyl-1-Propanol | 153163–36–1 |
| 2-Propenoic Acid, 2-Methyl-, Polymer with Ethenylbenzene, 2-Ethylhexyl 2-Propenoate, 2-Hydroxyethyl 2-Propenoate, N-(Hydroxymethyl) -2-Methyl-2-Propenamide and Methyl 2-Methyl-2-Propenoate, Ammonium Salt | 146753–99–3 |
| 2-Propenoic acid, 2-methyl-, polymers with Bu acrylate, Et acrylate, Me methacrylate and polyethylene glycol methacrylate $C_{16-18}$-alkyl ethers, minimum number average molecular weight (in amu), 13,000 | 890051–63–5 |
| 2-Propenoic acid, monoester with 1,2-propanediol, polymer with α-[4-(ethenyloxy) butyl]-ω-hydroxypoly (oxy-1,2-ethanediyl) and 2,5-furandione, minimum number average molecular weight (in amu), 25,000 | 955015–23–3 |
| 2-propenoic acid polymer, with 1,3-butadiene and ethenylbenzene, minimum number average molecular weight (in amu), 9400 | 25085–39–6 |
| 2-Propenoic acid, polymer with α-[4-(ethenyloxy) butyl]-ω-hydroxypoly (oxy-1,2-ethanediyl) and 2,5-furandione, sodium salt, minimum number average molecular weight (in amu), 25,000 | 251479–97–7 |
| 2-Propenoic acid, polymer with α-[4-(ethenyloxy) butyl]-ω-hydroxypoly (oxy-1,2-ethanediyl) and 1,2-propanediol mono-2-propenoate, potassium sodium salt, minimum number average molecular weight (in amu), 16,000 | 518026–64–7 |
| 2-Propenoic acid, polymer with α-[4-(ethenyloxy) butyl]-ω-hydroxypoly (oxy-1, 2-ethanediyl), sodium salt, minimum number average molecular weight (in amu), 24,000 | 250591–84–5 |
| 2-Propenoic acid, polymer with 2-propenamide, sodium salt, minimum number average molecular weight (in amu), 18,000 | 25085–02–3 |
| 2-Propenoic acid, sodium salt, polymer with 2-propenamide, minimum number average molecular weight (in amu), 18,000 | 25987–30–8 |
| 2-Propenoic, 2-methyl-, polymers with ethyl acrylate and polyethylene glycol methylacrylate $C_{18-22}$ alkyl ethers | 888969–14–0 |
| Silane, dichloromethyl- reaction product with silica minimum number average molecular weight (in amu), 3,340,000 | 68611–44–9 |
| Silane, trimethoxy[3-(oxiranylmethoxy)propyl]-, hydrolysis products with silica, minimum number average molecular weight (in amu), 640,000 | 68584–82–7 |
| Sodium polyflavinoidsulfonate, consisting chiefly of the copolymer of catechin and leucocyanidin | None |
| Soybean oil, ethoxylated; the poly(oxyethylene) content averages 10 moles or greater | 61791–23–9 |
| Starch, oxidized, polymers with Bu acrylate, tert-Bu acrylate and styrene, minimum number average molecular weight (in amu), 10,000 | 204142–80–3 |

| Polymer | CAS No. |
|---|---|
| Stearyl methacrylate-1,6-hexanediol dimethacrylate copolymer, minimum molecular weight (in amu), 100,000 | None |
| Styrene, copolymers with acrylic acid and/or methacrylic acid, with none and/or one or more of the following monomers: Acrylamidopropyl methyl sulfonic acid, methallyl sulfonic acid, 3-sulfopropyl acrylate, 3-sulfopropyl methacrylate, hydroxypropyl methacrylate, hydroxypropyl acrylate, hydroxyethyl methacrylate, and/or hydroxyethyl acrylate; and its sodium, potassium, ammonium, monoethanolamine, and triethanolamine salts; the resulting polymer having a minimum number average molecular weight (in amu), 1,200 | None |
| Styrene, 2-ethylhexyl acrylate, butyl acrylate copolymer, minimum number average molecular weight (in amu), 4,200 | 30795–23–4 |
| Styrene-2-ethylhexyl acrylate-glycidyl methacrylate-2-acrylamido-2-methylpropanesulfonic acid graft copolymer, minimum number average molecular weight (in amu), 12,500 | None |
| Styrene-maleic anhydride copolymer | None |
| Styrene-maleic anhydride copolymer, ester derivative | None |
| Tetradecyl acrylate-acrylic acid copolymer, minimum number average molecular weight (in amu), 3,000 | None |
| Tetraethoxysilane, polymer with hexamethyldisiloxane, minimum number average molecular weight (in amu), 2,500 | 104133–09–7 |
| Tetraethoxysilane, polymer with hexamethyldisiloxane, minimum number average molecular weight (in amu), 6,500 | 104133–09–7 |
| α-[p-(1,1,3,3-Tetramethylbutyl)phenyl]-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of p-(1,1,3,3-tetramethylbutyl)phenol with a range of 30-70 moles of ethylene oxide | 9036–19–5<br>9002–93–1 |
| α-[*p*-(1,1,3,3-Tetramethylbutyl)phenyl] poly(oxypropylene) block polymer with poly(oxyethylene); the poly(oxypropylene) content averages 25 moles, the poly(oxyethylene) content averages 40 moles, the molecular weight (in amu) averages 3,400 | None |
| α-[2,4,6-Tris[1-(phenyl)ethyl]phenyl]-ω-hydroxy poly(oxyethylene) poly(oxypropylene) copolymer, the poly(oxypropylene) content averages 2–8 moles, the poly(oxyethylene) content averages 16–30moles, average molecular weight (in amu), 1,500 | None |
| Urea-formaldehyde copolymer, minimum average molecular weight (in amu), 30,000 | 9011–05–6 |
| Vinyl acetate-allyl acetate-monomethyl maleate copolymer, minimum average molecular weight (in amu), 20,000 | None |
| Vinyl acetate-ethylene copolymer, minimum number average molecular weight (in amu), 69,000 | 24937–78–8 |
| Vinyl acetate polymer with none and/or one or more of the following monomers: Ethylene, propylene, N-methyl acrylamide, acrylamide, monoethyl maleate, diethyl maleate, monooctyl maleate, dioctyl maleate, maleic anhydride, maleic acid, octyl acrylate, butyl acrylate, ethyl acrylate, methyl acrylate, acrylic acid, octyl methacrylate, butyl methacrylate, ethyl methacrylate, methyl methacrylate, methacrylic acid, carboxyethyl acrylate, and diallyl phthalate; and their corresponding sodium, potassium, ammonium, isopropylamine, triethylamine, monoethanolamine and/or triethanolamine salts; the resulting polymer having a minimum number average molecular weight (in amu), 1,200 | None |
| Vinyl acetate-vinyl alcohol-alkyl lactone copolymer, minimum number average molecular weight (in amu), 40,000; minimum viscosity of 18 centipoise | None |
| Vinyl alcohol-disodium itaconate copolymer, minimum average molecular weight (in amu), 50,290 | None |
| Vinyl alcohol-vinyl acetate copolymer, benzaldehyde-o-sodium sulfonate condensate, minimum number average molecular weight (in amu), 20,000 | None |
| Vinyl alcohol-vinyl acetate-monomethyl maleate, sodium salt-maleic acid, disodium salt-γ-butyrolactone acetic acid, sodium salt copolymer, minimum number average molecular weight (in amu), 20,000 | None |
| Vinyl chloride-vinyl acetate copolymers | None |

| Polymer | CAS No. |
|---|---|
| Vinyl pyrrolidone-acrylic acid copolymer, minimum number average molecular weight (in amu), 6,000 | 28062–44–4 |
| Vinyl pyrrolidone-dimethylaminoethylmethacrylate copolymer, minimum number average molecular weight (in amu), 20,000 | 30581–59–0 |
| Vinyl pyrrolidone-styrene copolymer | 25086–29–7 |

[67 FR 36528, May 24, 2002]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.960, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at www.fdsys.gov.

### § 180.1011 Viable spores of the microorganism *Bacillus thuringiensis* Berliner; exemption from the requirement of a tolerance.

(a) For the purposes of this section the microbial insecticide for which exemption from the requirement of a tolerance is being established shall have the following specifications:

(1) The microorganism shall be an authentic strain of *Bacillus thuringiensis* Berliner conforming to the morphological and biochemical characteristics of *Bacillus thuringiensis* as described in Bergey's Manual of Determinative Bacteriology, Eighth Edition.

(2) Spore preparations of *Bacillus thuringiensis* Berliner shall be produced by pure culture fermentation procedures with adequate control measures during production to detect any changes from the characteristics of the parent strain or contamination by other microorganisms.

(3) Each lot of spore preparation, prior to the addition of other materials, shall be tested by subcutaneous injection of at least 1 million spores into each of five laboratory test mice weighing 17 grams to 23 grams. Such test shall show no evidence of infection or injury in the test animals when observed for 7 days following injection.

(4) Spore preparations shall be free of the *Bacillus thuringiensis* β-exotoxin when tested with the fly larvae toxicity test (''Microbial Control of Insects and Mites,'' R.P.M. Bond et al., p. 280 ff., 1971). This specification can be satisfied either by determining that each master seed lot brought into production is a *Bacillus thuringiensis* strain which does not produce β-exotoxin under standard manufacturing conditions or by periodically determining that β-exotoxin synthesized during spore production is eliminated by the subsequent spore-harvesting procedure.

(b) Exemption from the requirement of a tolerance is established for residues of the microbial insecticide *Bacillus thuringiensis* Berliner, as specified in paragraph (a) of this section, in or on honey and honeycomb and all other raw agricultural commodities when it is applied either to growing crops, or when it is applied after harvest in accordance with good agricultural practices.

[36 FR 22540, Nov. 25, 1971, as amended at 38 FR 19045, July 17, 1973; 42 FR 28540, June 3, 1977; 45 FR 43721, June 30, 1980; 45 FR 56347, Aug. 25, 1980; 74 FR 26533, June 3, 2009]

### § 180.1016 Ethylene; exemption from the requirement of a tolerance.

Ethylene is exempted from the requirement of a tolerance for residues when:

(a) For all food commodities, it is used as a plant regulator on plants, seeds, or cuttings and on all food commodities after harvest and when applied in accordance with good agricultural practices.

(b) Injected into the soil to cause premature germination of witchweed in bean (lima and string), cabbage, cantaloupe, collard, corn, cotton, cucumber, eggplant, okra, onion, pasture grass, pea (field and sweet), peanut, pepper, potato, sweet potato, sorghum, soybean, squash, tomato, turnip, and watermelon fields as part of the U.S. Department of Agriculture witchweed control program.

[39 FR 33315, Sept. 17, 1974, as amended at 40 FR 19477, May 5, 1975; 64 FR 31505, June 11, 1999]

### § 180.1017 Diatomaceous earth; exemption from the requirement of a tolerance.

(a) Diatomaceous earth is exempted from the requirement of a tolerance for residues when used in accordance with good agricultural practice in pesticide formulations applied to growing crops, to food commodities after harvest, and to animals.

(b) Diatomaceous earth may be safely used in accordance with the following conditions. Application shall be limited solely to spot and/or crack and crevice treatments in food or feed processing and food or feed storage areas in accordane with the precribed conditions:

(1) It is used or intended for use for control of insects in food or feed processing and food or feed storage areas: *Provided*, That the food or feed is removed or covered prior to such use.

(2) To assure safe use of the insecticide, its label and labeling shall conform to that registered by the U.S. Environmental Protection Agency, and it shall be used in accordance with such label and labeling.

[65 FR 33716, May 24, 2000]

### § 180.1019 Sulfuric acid; exemption from the requirement of a tolerance.

(a) Residues of sulfuric acid are exempted from the requirement of a tolerance when used in accordance with good agricultural practice when used as a herbicide in the production of garlic and onions, and as a potato vine dessicant in the production of potatoes.

(b) Residues of sulfuric acid are exempted from the requirement of a tolerance in cattle, meat; goat, meat; hog, meat; horse, meat; sheep, meat; poultry, fat; poultry, meat; poultry, meat, byproducts; egg; milk; fish, shellfish, and irrigated crops when it results from the use of sulfuric acid as an inert ingredient in a pesticide product used in irrigation conveyance systems and lakes, ponds, reservoirs, or bodies of water in which fish or shellfish are cultivated. The sulfuric acid is not to exceed 10% of the pesticide formulation (non-aerosol formulations only).

[69 FR 40787, July 7, 2004, as amended by 74 FR 26533, June 3, 2009]

### § 180.1020 Sodium chlorate; exemption from the requirement of a tolerance.

Sodium chlorate is exempted from the requirement of a tolerance for residues when used as a defoliant or desiccant in accordance with good agricultural practice on the following crops:

Bean, dry, seed
Corn, field, forage
Corn, field, grain
Corn, field, stover
Corn, pop, grain
Corn, pop, stover
Corn, sweet, forage
Corn, sweet, stover
Cotton, undelinted seed
Flax, seed
Grain, aspirated fractions
Guar, seed
Pea, southern
Pepper, nonbell
Potato
Rice, grain
Rice, straw
Safflower, seed
Sorghum, forage, forage
Sorghum, grain, forage
Sorghum, grain, grain
Sorghum, grain, stover
Soybean, forage
Soybean, hay
Soybean, seed
Sunflower, seed
Wheat, grain

[74 FR 47457, Sept. 16, 2009]

### § 180.1021 Copper; exemption from the requirement of a tolerance.

(a) Copper is exempted from the requirement of a tolerance in cattle, meat; goat, meat; hog, meat; horse, meat; sheep, meat; milk, poultry, fat; poultry, meat; poultry, meat byproducts; egg, fish, shellfish, and irrigated crops when it results from the use of:

(1) Copper sulfate as an algicide or herbicide in irrigation conveyance systems and lakes, ponds, reservoirs, or bodies of water in which fish or shellfish are cultivated.

(2) Basic copper carbonate (malachite) as an algicide or herbicide in impounded and stagnant bodies of water

(3) Copper triethanolamine and copper monoethanolamine as an algicide or herbicide in fish hatcheries, lakes, ponds, and reservoirs

(4) Cuprous oxide bearing antifouling coatings for control of algae or other coatings for control of algae or other

organisms on submerged concrete or other (irrigation) structures.

(b) The following copper compounds are exempt from the requirement of a tolerance when applied (primarily) as a fungicide to growing crops using good agricultural practices:

| Copper compounds | CAS Reg. No. |
|---|---|
| Basic copper carbonate (malachite) | 1184–64–1 |
| Copper ammonia complex | 16828–95–8 |
| Copper ethylenediamine complex | 13426–91–0 |
| Copper hydroxide | 20427–59–2 |
| Copper octanoate | 20543–04–8 |
| Copper oxychloride | 1332–65–6 |
| Copper oxychloride sulfate | 8012–69–9 |
| Copper salts of fatty and rosin acids | 9007–39–0 |
| Copper sulfate basic | 1344–73–6 |
| Copper sulfate pentahydrate | 7758–99–8 |
| Cuprous oxide | 1317–19–1 |

(c) Copper sulfate pentahydrate (CAS Reg. No. 7758–99–8) is exempt from the requirement of a tolerance when applied as a fungicide to growing crops or to raw agricultural commodities after harvest, and as a bactericide/fungicide in or on meat, fat and meat by-products of cattle, sheep, hogs, goats, horses and poultry, milk and eggs when applied as a bactericide/fungicide to animal premises and bedding.

(d) Copper (II) hydroxide (CAS Reg. No. 20427–59–2) is exempt from the requirement of a tolerance when applied to growing crops or to raw agricultural commodities as an inert ingredient (for pH control) in pesticide products.

[65 FR 68912, Nov. 15, 2000, as amended at 69 FR 4069, Jan. 28, 2004; 71 FR 46110, Aug. 11, 2006; 74 FR 26534, June 3, 2009; 74 FR 47457, Sept. 16, 2009]

### § 180.1022 Iodine-detergent complex; exemption from the requirement of a tolerance.

The aqueous solution of hydriodic acid and elemental iodine, including one or both of the surfactants (a) polyoxypropylene-polyoxyethylene glycol nomionic block polymers (minimum average molecular weight 1,900) and (b) α-(p- nonylphenyl)-*omega*-hydroxypoly (oxyethylene) having a maximum average molecular weight of 748 and in which the nonyl group is a propylene trimer isomer, is exempted from the requirement of a tolerance for residues in egg, and poultry, fat; poultry, meat; poultry, meat byproducts when used as a sanitizer in poultry drinking water.

[74 FR 26534, June 3, 2009]

### § 180.1023 Propanoic acid; exemptions from the requirement of a tolerance.

(a) Postharvest application of propanoic acid or a mixture of methylene bispropionate and oxy(bismethylene) bisproprionate when used as a fungicide is exempted from the requirement of a tolerance for residues in or on the following raw agricultural commodities: Alfalfa, forage; alfalfa, hay; alfalfa, seed; barley, grain; Bermudagrass, forage; Bermudagrass, hay; bluegrass, forage; bluegrass, hay; bromegrass, forage; bromegrass, hay; clover, forage; clover, hay; corn, field, grain; corn, pop, grain; cowpea, hay; fescue, forage; fescue, hay; lespedeza, forage; lespedeza, hay; lupin; oat, grain; orchardgrass, forage; orchardgrass, hay; peanut, hay; pea, field, hay; ryegrass, Italian, hay; sorghum, grain, grain; soybean, hay; sudangrass, forage; sudangrass, hay; timothy, forage; timothy, hay; vetch, forage; vetch, hay; and wheat, grain.

(b) Propanoic acid is exempt from the requirement of a tolerance for residues in or on cattle, meat; cattle, meat byproducts; goat, meat; goat, meat byproducts; hog, meat; hog meat byproducts; horse, meat; horse, meat byproducts; sheep, meat; sheep meat byproducts; and, poultry, fat; poultry meat; poultry meat byproducts; milk, and egg when applied as a bactericide/fungicide to livestock drinking water, poultry litter, and storage areas for silage and grain.

(c) Preharvest and postharvest application of propanoic acid (CAS Reg. No. 79–09–4), propanioc acid, calcium salt (CAS Reg. No. 4075–81–4), and propanioc sodium salt (CAS Reg. No. 137–40–6) are exempted from the requirement of a tolerance on all crops when used as either an active or inert ingredient in accordance with good agricultural practice in pesticide formulations applied to growing crops, to raw agricultural commodities before and after harvest and to animals.

[69 FR 47025, Aug. 4, 2004, as amended at 74 FR 26534, June 3, 2009]

### § 180.1025 Xylene; exemption from the requirement of a tolerance.

Xylene is exempted from the requirement of a tolerance when used as an aquatic herbicide applied to irrigation conveyance systems in accordance with the following conditions:

(a) It is to be used only in programs of the Bureau of Reclamation, U.S. Department of Interior, and cooperating water user organizations.

(b) It is to be applied as an emulsion at an initial concentration not to exceed 750 parts per million.

(c) It is not to be applied when there is any likelihood that the irrigation water will be used as a source of raw water for a potable water system or where return flows of such treated irrigation water into receiving rivers and streams would contain residues of xylene in excess of 10 parts per million.

(d) Xylene to be used as an aquatic herbicide shall meet the requirement limiting the presence of a polynuclear aromatic hydrocarbons as listed in 21 CFR 172.250.

[38 FR 16352, June 22, 1973, as amended at 50 FR 2980, Jan. 3, 1985]

### § 180.1027 Nuclear polyhedrosis virus of Heliothis zea; exemption from the requirement of a tolerance.

(a) For the purposes of this section, the viral insecticide must be produced with an unaltered and unadulterated inoculum of the single-embedded *Heliothis zea* nuclear polyhedrosis virus (HzSNPV). The identity of the seed virus must be assured by periodic checks.

(b) Each lot of active ingredient of the viral insecticide shall have the following specifications:

(1) The level of extraneous bacterial contamination of the final unformulated viral insecticide should not exceed $10^7$ colonies per gram as determined by an aerobic plate on trypticase soy agar.

(2) Human pathogens, e.g., Salmonella, Shigella, or Vibrio, must be absent.

(3) Safety to mice as determined by an intraperitoneal injection study must be demonstrated.

(4) Identity of the viral product, as determined by the most sensitive and standardized analytical technique, e.g., restriction endonuclease and/or SDS-PAGE analysis, must be demonstrated.

(c) Exemptions from the requirement of a tolerance are established for the residues of the microbial insecticide *Heliothis zea* NPV, as specified in paragraphs (a) and (b) of this section, in or on all agricultural commodities.

[60 FR 42460, Aug. 16, 1995, as amended at 74 FR 26534, June 3, 2009]

### § 180.1033 Methoprene; exemption from the requirement of a tolerance.

Methoprene is exempt from the requirement of a tolerance in or on all food commodities when used to control insect larvae.

[68 FR 34829, June 11, 2003]

### § 180.1035 Pine oil; exemption from the requirement of a tolerance.

Pine oil is exempted from the requirement of a tolerance for residues in the raw agricultural commodities honey and honeycomb, when present therein as a result of its use as a deodorant at no more than 12 percent in formulation with the bee repellent butanoic anhydride applied in an absorbent pad over the hive.

Pine oil is exempted from the requirement of a tolerance for residues in the raw agricultural commodities honey and honeycomb, when present therein as a result of its use as a deodorant at no more than 12 percent in formulation with the bee repellent butanoic anhydride applied in an absorbent pad over the hive.

[74 FR 26534, June 3, 2009]

### § 180.1037 Polybutenes; exemption from the requirement of a tolerance.

(a) Polybutenes are exempt from the requirement of a tolerance for residues in or on the raw agricultural commodity cotton, undelinted seed when used as a sticker agent for formulations of the attractant gossyplure (1:1 mixture of (*Z*,*Z*)- and (*Z*,*E*)-7,11-hexadecadien-1-ol acetate) to disrupt the mating of the pink bollworm.

(b) Polybutenes are exempt from the requirement of a tolerance for residues

in or on the raw agricultural commodity artichoke when used as a sticker agent in multi-layered laminted controlled-release dispensers of (Z)-11-hexaadecenal to disrupt the mating of the artichoke plume moth.

[74 FR 26534, June 3, 2009]

### § 180.1040 Ethylene glycol; exemption from the requirement of a tolerance.

Ethylene glycol as a component of pesticide formulations is exempt from the requirement of a tolerance when used in foliar applications to peanut plants.

[43 FR 41393, Sept. 18, 1978]

### § 180.1041 Nosema locustae; exemption from the requirement of a tolerance.

The insecticide *Nosema locustae* is exempted from the requirement of a tolerance for residues in or on all raw agricultural commodities.

[47 FR 21537, May 19, 1982]

### § 180.1043 Gossyplure; exemption from the requirement of a tolerance.

The pheromone gossyplure, a 1:1 mixture of (*Z*,*Z*)- and (*Z*,*E*)-7,11-hexadecadien-1-ol acetate) is exempt from the requirement of a tolerance in or on the raw agricultural commodity cotton, undelinted seed when applied to cotton from capillary fibers.

[74 FR 26534, June 3, 2009]

### § 180.1049 Carbon dioxide; exemption from the requirement of a tolerance.

The insecticide carbon dioxide is exempted from the requirement of a tolerance when used after harvest in modified atmospheres for stored insect control on food commodities.

[65 FR 33716, May 24, 2000]

### § 180.1050 Nitrogen; exemption from the requirements of a tolerance.

The insecticide nitrogen is exempted from the requirements of a tolerance when used after harvest in modified atmospheres for stored product insect control on all food commodities.

[65 FR 33716, May 24, 2000]

### § 180.1052 2,2,5-trimethyl-3-dichloroacetyl-1,3-oxazolidine; exemption from the requirement of a tolerance.

2,2,5-trimethyl-3-dichloroacetyl-1,3-oxazolidine is exempted from the requirement of a tolerance when used as an inert ingredient in formulations of the herbicides *S*-ethyl dipropylthiocarbamate, *S*-propyl dipropylthiocarbamate, and *S*-ethyl diisobutylthiocarbamate applied to corn fields before the corn plants emerge from the soil with a maximum of 0.5 pound of the inert ingredient per acre.

[45 FR 51201, Aug. 1, 1980]

### § 180.1054 Calcium hypochlorite; exemptions from the requirement of a tolerance.

(a) Calcium hypochlorite is exempted from the requirement of a tolerance when used preharvest or postharvest in solution on all raw agricultural commodities.

(b) Calcium hypochlorite is exempted from the requirement of a tolerance in or on grape when used as a fumigant postharvest by means of a chlorine generator pad.

[59 FR 59165, Nov. 16, 1994, as amended at 74 FR 26534, June 3, 2009]

### § 180.1056 Boiled linseed oil; exemption from requirement of tolerance.

Boiled linseed oil (containing no more than 0.33 percent manganese naphthenate and no more than 0.33 percent cobalt naphthenate) is exempt from the requirement of a tolerance when used as a coating agent for *S*-ethyl hexahydro-1*H*-azepine-1-carbothioate. No more than 15 percent of the pesticide formulation may consist of ''boiled linseed oil.'' This exemption is limited to use on rice before edible parts form.

[46 FR 33270, June 29, 1981]

### § 180.1057 Phytophthora palmivora; exemption from requirement of tolerance.

*Phytophthora palmivora* is exempted from the requirement of a tolerance in or on the raw agricultural commodity fruit, citrus.

[74 FR 26534, June 3, 2009]

### § 180.1058 Sodium diacetate; exemption from the requirement of a tolerance.

Sodium diacetate, when used postharvest as a fungicide, is exempt from the requirement of a tolerance for residues in or on alfalfa, hay; Bermudagrass, hay; bluegrass, hay; bromegrass, hay; clover,hay; corm, field, grain; corn, pop, grain; oat, grain; orchardgrass, hay; sorghum, grain, grain; sudangrass, hay; ryegrass, Italian, hay; timothy, hay.

[74 FR 26534, June 3, 2009]

### § 180.1064 Tomato pinworm insect pheromone; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for combined residues of both components of the tomato pinworm insect pheromone (*E*)-4-tridecen-1-yl acetate and (*Z*)-4-tridecen-1-yl acetate in or on all raw agricultural commodities (preharvest) in accordance with the following prescribed conditions:

(a) Application shall be limited solely to point source dispensers or point source chopped fibers containing the tomato pinworm insect pheromone.

(b) Cumulative yearly application cannot exceed 200 grams of tomato pinworm pheromone per acre.

[58 FR 34376, June 25, 1993]

### § 180.1065 2-Amino-4,5-dihydro-6-methyl-4-propyl-s-triazolo(1,5-alpha)pyrimidin-5-one; exemption from the requirement of a tolerance.

The inert ingredient, 2-amino-4,5-dihydro-6-methyl-4-propyl-s-triazolo(1,5-alpha)pyrimidin-5-one is exempted from the requirement of a tolerance when used as an emetic at not more than 0.3 percent in formulations of paraquat dichloride. Further restrictions on this exemption are that this ingredient may not be advertised as an emetic and the paraquat product may not be promoted in any way because of the inclusion of this inert ingredient.

[70 FR 46431, Aug. 10, 2005]

### § 180.1067 Methyl eugenol and malathion combination; exemption from the requirement of a tolerance.

The insect attractant methyl eugenol and the insecticide malathion are exempt from the requirement of tolerances on all raw agricultural commodities when used in combination in Oriental fruit fly eradication programs under the authority of the U.S. Department of Agriculture, in accordance with the following directions and specifications:

(a) The combination shall be at the ratio of three parts methyl eugenol to one part technical malathion (3:1).

(b) This combination is to be impregnated on a carrier (cigarette filter tips (cellulose acetate); cotton strings; fiberboard squares) or mixed with a jel cleared under 40 CFR 180.920 or 180.950.

(c) The maximum actual dosage per application per acre shall be 28.35 grams (one ounce avoirdupois) methyl eugenol and 9.45 grams (one-third (0.33) ounce avoirdupois) technical malathion.

[47 FR 9002, Mar. 3, 1982, as amended at 69 FR 23142, Apr. 28, 2004]

### § 180.1068 $C_{12}$-$C_{18}$ fatty acid potassium salts; exemption from the requirement of a tolerance.

$C_{12}$-$C_{18}$ fatty acids (saturated and unsaturated) potassium salts are exempted from the requirement of a tolerance for residues in or on all raw agricultural commodities when used in accordance with good agricultural practice.

[60 FR 34871, July 5, 1995]

### § 180.1069 (*Z*)-11-Hexadecenal; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biological insecticide (pheromone) (*Z*)-11-hexadecenal when used as a sex attractant on artichoke plants to control the artichoke plume moth.

[47 FR 14906, Apr. 7, 1982]

### § 180.1070 Sodium chlorite; exemption from the requirement of a tolerance.

Sodium chlorite is exempted from the requirement of a tolerance for residues when used in accordance with good agricultural practice as a seed-soak treatment in the growing of the raw agricultural commodities vegetable, brassica, leafy, group 5 and radish, roots and radish, tops.

[74 FR 26534, June 3, 2009]

### § 180.1071 Peanuts, Tree Nuts, Milk, Soybeans, Eggs, Fish, Crustacea, and Wheat; exemption from the requirement of a tolerance.

(a) *General*. Residues resulting from the following uses of the food commodity forms of peanuts, tree nuts, milk, soybeans, eggs (including putrescent eggs), fish, crustacea, and wheat are exempted from the requirement of a tolerance in or on all food commodities under FFDCA section 408 (when used as either an inert or an active ingredient in a pesticide formulation), if such use is in accordance with good agricultural practices:

(1) Use in pesticide products intended to treat seeds.

(2) Use in nursery and greenhouse operations, as defined in 40 CFR 170.3, which includes seeding, potting and transplanting activities.

(3) Pre-plant and at-transplant applications.

(4) Incorporation into seedling and planting beds.

(5) Applications to cuttings and bare roots.

(6) Applications to the field that occur after the harvested crop has been removed.

(7) Soil-directed applications around and adjacent to all plants.

(8) Applications to rangelands, which is land, mostly grasslands, whose plants can provide food (*i.e.*, forage) for grazing or browsing animals.

(9) Use in chemigation and irrigation systems (via flood, drip, or furrow application with no overhead spray applications).

(10) Application as part of a dry fertilizer on which an active ingredient is impregnated.

(11) Aerial and ground applications that occur when no above-ground harvestable food commodities are present (usually pre-bloom).

(12) Application as part of an animal feed-through product.

(13) Applications as gel and solid (non-liquid/non-spray) crack and crevice treatments that place the gel or bait directly into or on top of the cracks and crevices via a mechanism such as a syringe.

(14) Applications to the same crop from which the food commodity is derived, whether the plant fraction(s) intended for harvest are present or not, e.g., applications of peanut meal when applied to peanut plants.

(b) *Specific chemical substances*. Residues resulting from the use of the following substances as either an inert or an active ingredient in a pesticide formulation are exempted from the requirement of a tolerance under FFDCA section 408, if such use is in accordance with good agricultural practices and such use is included in paragraph (a):

| Chemical Substance | CAS No. |
|---|---|
| Caseins | 9000–71–9 |
| Caseins, ammonium complexes | 9005–42–9 |
| Caseins, hydrolyzates | 65072–00–6 |
| Caseins, potassium complexes | 68131–54–4 |
| Caseins, sodium complexes | 9005–46–3 |

[70 FR 1360, Jan. 7, 2005]

### § 180.1072 Poly-*D*-glucosamine (chitosan); exemption from the requirement of a tolerance.

(a) An exemption from the requirement of a tolerance is established for residues of the biological plant growth regulator poly-*D*-glucosamine when used as a seed treatment in or on barley, beans, oats, peas, rice, and wheat.

(b) An exemption from the requirement of a tolerance is established for residues of the biological plant growth regulator poly-D-glucosamine when used as a pesticide in the production any raw agricultural commodity.

[60 FR 19524, Apr. 19, 1995]

### § 180.1073 Isomate-M; exemption from the requirement of a tolerance.

The oriental fruit moth pheromone (Isomate-M) (Z-8-dodecen-l-yl acetate, E-8-dodecen-l-yl acetate, Z-8-dodecen-l-ol) is exempt from the requirement of a

tolerance in or on all the raw agricultural commodities (food and feed) including, peach; quince; nectarine; and nut, macadamia when used in orchards with encapsulated polyethylene tubing to control oriental fruit moth.

[74 FR 26534, June 3, 2009]

### § 180.1074 F.D.&C. Blue No. 1; exemption from the requirement of a tolerance.

F.D.&C. Blue No. 1 is exempted from the requirement of a tolerance when used as an aquatic plant control agent.

[47 FR 25963, June 16, 1982]

### § 180.1075 *Colletotrichum gloeosporioides* f. sp. *aeschynomene;* exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the mycoherbicide *Colletotrichum gloeosporioides* f. sp. *aeschynomene* in or on the following raw agricultural commodities:

| COMMODITY |
|---|
| Aspirated grain fractions |
| Rice, grain |
| Soybean, forage |
| Soybean, hay |
| Soybean, seed |

[47 FR 25742, June 15, 1982, as amended at 74 FR 26534, June 3, 2009]

### § 180.1076 Viable spores of the microorganism *Bacillus popilliae;* exemption from the requirement of a tolerance.

(a) For the purposes of this section the microbial insecticide for which exemption from the requirement of a tolerance is being established shall have the following specifications:

(1) The microorganism shall be an authentic strain of *Bacillus popilliae* conforming to the morphological and biochemical characteristics of *Bacillus popilliae* as described in Bergey's Manual of Determinative Bacteriology, Eighth Edition.

(2) Spore preparations of *Bacillus popilliae* shall be produced by an extraction process from diseased Japanese beetles, and may contain a small percentage of the naturally occurring milky disease bacterium *Bacillus lentimorbus*.

(3) Each lot of spore preparation, prior to the addition of other materials, shall be tested by subcutaneous injection of at least 1 million spores into each of five laboratory test mice weighing 17 grams to 23 grams. Such test shall show no evidence of infection of injury in the test animals when observed for 7 days following injection.

(b) Exemption from the requirement of a tolerance is established for residues of the microbial insecticide *Bacillus popilliae*, as specified in paragraph (a) of this section in or on grass, pasture, forage and grass, rangeland, forage when it is applied to growing crops in accordance with good agricultural practices.

[47 FR 38535, Sept. 1, 1982, as amended at 74 FR 26535, June 3, 2009]

### § 180.1080 Plant volatiles and pheromone; exemptions from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the plant volatiles cyclic decadiene, cyclic decene, cyclic pentadecatriene, and decatriene and the pheromone Z-2-isopropenyl-1-methylcyclobutaneethanol; Z-3,3-dimethyl-Δ1,β-cyclohexaneethanol; Z-3,3-dimethyl-Δ1,α-cyclohexaneethanal; E-3,3-dimethyl-Δ1,α-cyclohexaneethanal combination when applied to cotton in hollow synthetic fibers.

[48 FR 28442, June 22, 1983]

### § 180.1083 Dimethyl sulfoxide; exemption from the requirement of a tolerance.

Dimethyl sulfoxide (DMSO) [CAS Registry Number 67–68–5] is exempted from the requirement of a tolerance when used as an inert solvent or cosolvent in formulations with the following pesticides when used in accordance with good agricultural practices in or on the following raw agricultural commodities:

(a) Carbaryl (1-naphthyl methyl-carbamate)

Pea, dry, seed
Pea, succulent

(b) *O-O*-Diethyl *O*-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate

Pea, dry, seed
Pea, succulent

[48 FR 54819, Dec. 7, 1983, as amended at 74 FR 26535, June 3, 2009]

### § 180.1084 Monocarbamide dihydrogen sulfate; exemption from the requirement of a tolerance.

Monocarbamide dihydrogen sulfate is exempted from the requirement of a tolerance when used as a herbicide or desiccant in or on all raw agricultural commodities.

[53 FR 12152, Apr. 13, 1988]

### § 180.1086 3,7,11-Trimethyl-1,6,10-dodecatriene-1-ol and 3,7,11-trimethyl-2,6,10-dodecatriene-3-ol; exemption from the requirement of a tolerance.

The insect pheromone containing the active ingredients 3,7,11-trimethyl-1,6,10-dodecatriene-1-ol and 3,7,11-trimethyl-2,6,10-dodecatriene-3-ol is exempted from the requirement of a tolerance in or on all raw agricultural commodities.

[52 FR 12165, Apr. 15, 1987; 52 FR 29014, Aug. 5, 1987]

### § 180.1087 Sesame stalks; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biorational nematicide sesame stalk in or on the following raw agricultural commodities: Almond; almond, hulls; cotton, undelinted seed; cotton, gin byproducts; soybean, seed; soybean, forage; soybean, hay; aspirated grain fractions; potato; beet, sugar, roots; beet, sugar, tops; tomato; pepper, bell; squash; strawberry; eggplant; cucumber; carrot, roots; radish, roots; radish, top; turnip, roots; turnip, tops; onion; pea, dry; pea, succulent; melon; grape; walnut; orange; grapefruit; mulberry; peach; apple; apricot; blackberry; loganberry; pecan; cherry; plum, and cranberry.

[74 FR 26535, June 3, 2009]

### § 180.1089 Poly-*N*-acetyl-*D*-glucosamine; exemption from the requirement of tolerance.

An exemption from the requirement of a tolerance is established for residues of the biochemical nematicide poly-*N*-acetyl-*D*-glucosamine on a variety of agricultural crops.

[53 FR 10249, Mar. 30, 1988]

### § 180.1090 Lactic acid; exemption from the requirement of a tolerance.

Lactic acid (2-hydroxypropanoic acid) is exempted from the requirement of a tolerance when used as a plant growth regulator in or on all raw agricultural commodities.

[53 FR 15286, May 4, 1988]

### § 180.1091 Aluminum isopropoxide and aluminum secondary butoxide; exemption from the requirement of a tolerance.

Aluminum isopropoxide (CAS Reg. No. 555–31–7) and aluminum secondary butoxide (CAS Reg. No. 2269–22–9) are exempted from the requirement of a tolerance when used in accordance with good agricultural practices as stabilizers in formulations of the insecticide amitraz [*N'*-(2,4-dimethylphenyl)-*N*-[[(2,4-dimethylphenyl)imino]-*N*-methylmethanimidamide] applied to growing crops or animals.

[53 FR 34509, Sept. 7, 1988; 53 FR 36696, Sept. 21, 1988]

### § 180.1092 Menthol; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the pesticidal chemical menthol in or on honey and honeycomb when used in accordance with good agricultural practice in over-wintering bee hives.

[74 FR 26535, June 3, 2009]

### § 180.1095 Chlorine gas; exemptions from the requirement of a tolerance.

Chlorine gas is exempted from the requirement of a tolerance when used preharvest or postharvest in solution on all raw agricultural commodities.

[56 FR 21309, May 8, 1991]

### § 180.1097 GBM-ROPE; exemption from the requirement of a tolerance.

The grape berry moth pheromone (GBM-ROPE) containing the active ingredients (Z)-9-dedecenyl acetate and (Z)-11-tetradecenyl acetate is exempt

from the requirement of a tolerance in or on the raw agricultural commodity grape when used in orchards with encapsulated polyethylene tubing to control grape berry moth.

[74 FR 26535, June 3, 2009]

### § 180.1098 Gibberellins [Gibberellic Acids (GA3 and GA4 + GA7), and Sodium or Potassium Gibberellate]; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of gibberellins [gibberellic acids (GA3 and GA4 + GA7), and sodium or potassium gibberellate] in or on all food commodities when used as plant regulators on plants, seeds, or cuttings and on all food commodities after harvest in accordance with good agricultural practices.

[64 FR 31505, June 11, 1999]

### § 180.1100 *Gliocladium virens* isolate GL-21; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biofungicide *Gliocladium virens* GL-21 in or on all raw agricultural commodities when used either as a fungicide for inoculation of plant growth media in greenhouses or on terrestrial food crops grown outdoors in accordance with good agricultural practices.

[60 FR 48659, Sept. 20, 1995; 60 FR 52248, Oct. 5, 1995]

### § 180.1101 Parasitic (parasitoid) and predatory insects; exemption from the requirement of a tolerance.

Parasitic (parasitoid) and predatory insects are exempted from the requirement of a tolerance for residues when they are used in accordance with good agricultural and pest control practices to control insect pests of stored raw whole grains such as corn, small grains, rice, soybeans, peanuts, and other legumes either bulk or warehoused in bags. For the purposes of this rule, the parasites (parasitoids) and predators are considered to be species of Hymenoptera in the genera *Trichogramma*, Trichogrammatidae; *Bracon*, Braconidae; *Venturia*, *Mesostenus*, Ichneumonidae; *Anisopteromalus*, *Choetospila*, *Lariophagus*, *Dibrachys*, *Habrocytus*, *Pteromalus*, Pteromalidae; *Cephalonomia*, *Holepyris*, *Laelius*, Bethylidae; and of Hemiptera in the genera *Xylocoris*, *Lyctocoris*, and *Dufouriellus*, Anthocoridae. Whole insects, fragments, parts, and other residues of these parasites and predators remain subject to 21 U.S.C. 342(a)(3).

[57 FR 14646, Apr. 22, 1992]

### § 180.1102 *Trichoderma harzianum* KRL-AG2 (ATCC #20847) strain T–22; exemption from requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biofungicide *Trichoderma harzianum* KRL-AG2 (ATCC #20847); also known as strain T-22 when applied in/or on all food commodities.

[64 FR 16860, Apr. 7, 1999]

### § 180.1103 Isomate-C; exemption from the requirement of a tolerance.

The codling moth pheromone (Isomate-C) E,E-8,10-dodecenyl alcohol, dodecanol, tetradecanol is exempt from the requirements of a tolerance in or on all raw agricultural commodities when formulated in polyethylene pheromone dispensers for use in orchards with encapsulated polyethylene tubing to control codling moth.

[74 FR 26535, June 3, 2009]

### § 180.1107 Delta endotoxin of *Bacillus thuringiensis* variety *kurstaki* encapsulated into killed *Pseudomonas fluorescens;* exemption from the requirement of a tolerance.

The delta endotoxin of *Bacillus thuringiensis* variety *kurstaki* encapsulated into killed *Pseudomonas fluorescens* is exempt from the requirements of a tolerance in or on all raw agricultural commodities.

[56 FR 28328, June 20, 1991]

### § 180.1108 Delta endotoxin of *Bacillus thuringiensis* variety *San Diego* encapsulated into killed *Pseudomonas fluorescens;* exemption from the requirement of a tolerance.

The delta endotoxin of *Bacillus thuringiensis* variety *San Diego* encapsulated into killed *Pseudomonas*

*fluorescens* is exempt from the requirements of a tolerance in or on all raw agricultural commodities.

[56 FR 28326, June 20, 1991]

**§ 180.1110 3-Carbamyl-2,4,5-trichlorobenzoic acid; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for the residues of 3-carbamyl-2,4,5-trichlorobenzoic acid in or on all raw agricultural commodities which occur from the direct application of chlorothalonil to crops in § 180.275 (a) and (b) and/or as an inadvertent residue resulting from the soil metabolism of chlorothalonil when applied to crops in § 180.275 (a) and (b), and subsequent uptake by rotated crops when used according to approved agricultural practices.

[57 FR 24552, June 10, 1992]

**§ 180.1111 Bacillus subtilis GB03; exemption from the requirement of a tolerance.**

The biofungicide *Bacillus subtilis* GB03 is exempted from the requirement of a tolerance in or on all raw agricultural commodities when used in accordance with good agricultural practices.

[73 FR 50556, Aug. 27, 2008]

**§ 180.1113 *Lagenidium giganteum*; exemption from the requirement of a tolerance.**

*Lagenidium giganteum* (a fungal organism) is exempt from the requirement of a tolerance in or on the raw agricultural commodities aspirated grain fractions; grass, forage; grass, hay; rice, grain; rice, straw; soybean, seed; soybean, forage; soybean, hay; rice, wild, grain.

[74 FR 26535, June 3, 2009]

**§ 180.1114 *Pseudomonas fluorescens* A506, *Pseudomonas fluorescens* 1629RS, and *Pseudomonas syringae* 742RS; exemptions from the requirement of a tolerance.**

The biological pesticides *Pseudomonas fluorescens* A506, *Pseudomonas fluorescens* 1629RS, and *Pseudomonas syringae* 742RS are exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied as a frost protection agent or biological control agent to growing agricultural crops in accordance with good agricultural practices.

[57 FR 42700, Sept. 16, 1992]

**§ 180.1118 *Spodoptera exigua* nuclear polyhedrosis virus; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for the microbial pest control agent *Spodoptera exigua* nuclear polyhedrosis virus when used as a pesticide control agent on all raw agricultural commodities.

[58 FR 25784, Apr. 28, 1993]

**§ 180.1119 Azadirachtin; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for the biochemical azadirachtin, which is isolated from the berries of the Neem tree (*Azadirachta indica*), when used as a pesticide at 20 grams or less per acre on all raw agricultural commodities.

[58 FR 8696, Feb. 17, 1993]

**§ 180.1120 *Streptomyces* sp. strain K61; exemption from the requirement of a tolerance.**

The biological pesticide *Streptomyces* sp. strain K61 is exempted from the requirement of a tolerance in or on all raw agricultural commodities when used as a fungicide for the treatment of seeds, cuttings, transplants, and plants of agricultural crops in accordance with good agricultural practices.

[58 FR 21403, Apr. 21, 1993]

**§ 180.1121 Boric acid and its salts, borax (sodium borate decahydrate), disodium octaborate tetrahydrate, boric oxide (boric anhydride), sodium borate and sodium metaborate; exemptions from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of the pesticidal chemical boric acid and its salts, borax (sodium borate

decahydrate), disodium octaborate tetrahydrate, boric oxide (boric anhydride), sodium borate and sodium metaborate, in or on raw agricultural commodities when used as an active ingredient in insecticides, herbicides, or fungicides preharvest or postharvest in accordance with good agricultural practices.

[58 FR 44283, Aug. 20, 1993]

### § 180.1122 Inert ingredients of semiochemical dispensers; exemptions from the requirement of a tolerance.

(a) All inert ingredients of semiochemical dispenser products formulated with, and/or contained in, dispensers made of polymeric matrix materials (including the monomers, plasticizers, dispersing agents, antioxidants, UV protectants, stabilizers, and other inert ingredients) are exempted from the requirement of a tolerance when used as carriers in pesticide formulations for application to growing crops only. These dispensers shall conform to the following specifications:

(1) Exposure must be limited to inadvertent physical contact only. The design of the dispenser must be such as to preclude any contamination by its components of the raw agricultural commodity (RAC) or processed foods/feeds derived from the commodity by virtue of its proximity to the RAC or as a result of its physical size.

(2) The dispensers must be applied discretely. This exemption does not apply to components of semiochemical formulations applied in a broadcast manner either to a crop field plot or to individual plants.

(b) A semiochemical dispenser is a single enclosed or semi-enclosed unit that releases semiochemical(s) into the surrounding atmosphere via volatilization and is applied in a manner to provide discrete application of the semiochemical(s) into the environment.

(c) Semiochemicals are chemicals that are emitted by plants or animals and modify the behavior of receiving organisms. These chemicals must be naturally occurring or substantially identical to naturally occurring semiochemicals.

[58 FR 64494, Dec. 8, 1993]

### § 180.1124 Arthropod pheromones; exemption from the requirement of a tolerance.

Arthropod pheromones, as described in § 152.25(b) of this chapter, when used in retrievably sized polymeric matrix dispensers are exempt from the requirement of a tolerance in or on all raw agricultural commodities when applied to growing crops only at a rate not to exceed 150 grams active ingredient/acre/year in accordance with good agricultural practices.

[59 FR 14759, Mar. 30, 1994]

### § 180.1126 Codlure, (E,E)-8,10-Dodecadien-1-ol; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for the insect pheromone codlure, (E,E)-8,10-dodecadien-1-ol, on all raw agricultural commodities in accordance with the following prescribed conditions:

(a) Application shall be limited solely to codlure dispensers that conform to the following specifications:

(1) Commodity exposure must be limited to inadvertent physical contact. The design of the dispenser must be such as to preclude any exposure of its components to the raw agricultural commodity (RAC) or processed foods/feeds derived from the commodity due to its proximity to the RAC or as a result of its physical size. Dispensers must be of such size and construction that they are readily recognized post-application.

(2) The dispensers must be applied discretely, *i.e.*, placed in the field in easily perceived distinct locations in a manner that does not prevent later retrieval. This exemption does not apply to codlure applied in a broadcast manner either to a crop field plot or to individual plants.

(b) A codlure dispenser is a single enclosed or semi-enclosed unit that releases codlure into the surrounding atmosphere via volatilization and is applied in a manner to provide discrete application (*i.e.*, in easily perceived distinct locations in a manner that does

not prevent later retrieval) of the codlure into the environment.

[59 FR 9931, Mar. 2, 1994]

### § 180.1127 Biochemical pesticide plant floral volatile attractant compounds: cinnamaldehyde, cinnamyl alcohol, 4-methoxy cinnamaldehyde, 3-phenyl propanol, 4-methoxy phenethyl alcohol, indole, and 1,2,4-trimethoxybenzene; exemptions from the requirement of a tolerance.

Residues of the biochemical pesticide plant floral volatile attractant compounds: cinnamaldehyde, cinnamyl alcohol, 4-methoxy cinnamaldehyde, 3-phenyl propanol, 4-methoxy phenethyl alcohol, indole, and 1,2,4-trimethoxybenzene are exempt from the requirement of a tolerance in or on the following raw agricultural commodities: the following field crops—alfalfa, clover, cotton, dandelion, peanuts (including hay), rice, sorghum (milo), soybeans, sunflower, sweet potatoes, and wheat; the following vegetable crops—asparagus, beans (including forage hay), beets, carrots, celery, cole crops (cabbage, broccoli, brussels sprouts, cauliflower), collards (kale, mustard greens, turnip greens, kohlrabi), corn, fresh (field, sweet, pop, seed), corn fodder and forage, chinese cabbage, cowpeas, cucurbitis (cucumbers, squash, pumpkin), egg plant, endive (escarole), horseradish (radish, rutabagas, turnip roots), leafy greens (spinach, swiss chard), lettuce (head leaf), okra, parsley, parsnip, peas, peas with pods, peppers, potatoes, sugar beets, tomatoes; the following tree fruit, berry and nut crops—almonds, apples, apricots, berries (blackberry, boysenberry, dewberry, loganberry, raspberry), blueberry, cherry, citrus (grapefruit, kumquat, lemon, lime, orange, tangelo, and tangerine) cranberry, grapes, melons, (watermelon, honeydew, crenshaw, cantaloupe, casaba, persian), nectarines, pears, pecans, peaches, and strawberry as dispersed from the end-use product Corn Rootworm Bait®, a pesticidal bait, in accordance with the prescribed conditions in paragraph (a) of this section.

(a) Cumulative yearly application cannot exceed 20 grams of each floral attractant/acre/application.

(b) [Reserved]

[59 FR 15857, Apr. 5, 1994]

### § 180.1128 *Bacillus subtilis* MBI 600; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biofungicide *Bacillus subtilis* MBI 600 in or on all food commodities, including residues resulting from postharvest uses, when applied or used in accordance with good agricultural practices.

[74 FR 15869, Apr. 8, 2009]

### § 180.1130 *N*-(*n*-octyl)-2-pyrrolidone and *N*-(*n*-dodecyl)-2-pyrrolidone; exemptions from the requirement of a tolerance.

*N*-(*n*-octyl)-2-pyrrolidone and *N*-(*n*-dodecyl)-2-pyrrolidone are exempt from the requirement of a tolerance when used as solvents in cotton defoliant formulations containing thidiazuron and diuron as active ingredients.

[59 FR 32084, June 22, 1994]

### § 180.1131 *Ampelomyces quisqualis* isolate M10; exemption from the requirement of a tolerance.

The biological fungicide *Ampelomyces quisqualis* isolate M10 is exempted from the requirement of a tolerance in or on all raw agricultural commodities when used as a fungicide on agricultural crops in accordance with good agricultural practices.

[59 FR 33437, June 29, 1994]

### § 180.1135 *Pasteuria penetrans;* exemption from the requirement of a tolerance.

The biological nematicide *Pasteuria penetrans* is exempted from the requirement of a tolerance in or on all raw agricultural commodities, except roots and tubers, when used as a nematicide in the production of fruits and vegetables in greenhouses.

[59 FR 66741, Dec. 28, 1994]

### § 180.1139 Sodium 5-nitroguaiacolate; exemption from the requirement of a tolerance.

The biochemical sodium 5-nitroguiacolate is exempted from the requirement of a tolerance when used

as a plant growth regulator in end-use products at a concentration of 0.1% by weight and applied at an application rate of 20 g of a.i. per acre or less per application, in or on all food commodities.

[65 FR 66181, Nov. 3, 2000]

### § 180.1140 Sodium *o*-nitrophenolate; exemption from the requirement of a tolerance.

The biochemical sodium *o*-nitrophenolate is exempted from the requirement of a tolerance when used as a plant growth regulator in end-use products at a concentration of 0.2% by weight and applied at an application rate of 20 g of a.i. per acre or less per application, in or on all food commodities.

[65 FR 66181, Nov. 3, 2000]

### § 180.1141 Sodium *p*-nitrophenolate; exemption from the requirement of a tolerance.

The biochemical sodium *p*-nitrophenolate is exempted from the requirement of a tolerance when used as a plant growth regulator in end-use product at a concentration of 0.3% by weight and applied at an application rate of 20 g of a.i. per acre or less per application, in or on all food commodities.

[65 FR 66181, Nov. 3, 2000]

### § 180.1142 1,4-Dimethylnaphthalene; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the plant growth regulator 1,4-dimethylnaphthalene when applied post harvest to potatoes in accordance with good agricultural practices.

[60 FR 7457, Feb. 8, 1995]

### § 180.1143 Methyl anthranilate; exemption from the requirement of a tolerance.

Residues of methyl anthranilate, a biochemical pesticide, are exempt from the requirement of a tolerance in or on all food commodities, when used in accordance with good agricultural practices.

[67 FR 51088, Aug. 7, 2002]

### § 180.1144 *Candida oleophila* isolate I-182; exemption from the requirement of a tolerance.

*Candida oleophila* isolate I-182, when used as a post-harvest biological fungicide, is exempted from the requirement of a tolerance in or on all raw agricultural commodities.

[60 FR 11033, Mar. 1, 1995]

### § 180.1145 *Pseudomonas syringae;* exemption from the requirement of a tolerance.

*Pseudomonas syringae* is exempted from the requirement of a tolerance on all raw agricultural commodities when applied postharvest according to good agricultural practices.

[60 FR 12703, Mar. 8, 1995]

### § 180.1146 *Beauveria bassiana* Strain GHA; exemption from the requirement of a tolerance.

*Beauveria bassiana* Strain GHA is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied to growing crops according to good agricultural practices.

[60 FR 18547, Apr. 12, 1995]

### § 180.1148 Occlusion Bodies of the Granulosis Virus of *Cydia pomenella;* tolerance exemption.

An exemption from the requirement of a tolerance is established for residues of the microbial pest control agent Occlusion Bodies of the Granulosis Virus of *Cydia pomonella* (codling moth) in or on all raw agricultural commodities.

[60 FR 42450, Aug. 16, 1995]

### § 180.1149 Inclusion bodies of the multi-nuclear polyhedrosis virus of *Anagrapha falcifera;* exemption from the requirement of a tolerance.

The microbial pest control agent inclusion bodies of the multi-nuclear polyhedrosis virus of *Anagrapha falcifera* is exempted from the requirement of a tolerance in or on all raw agricultural commodities when used to control certain lepidopteran pest species.

[60 FR 37020, July 19, 1995]

### § 180.1150 6-Benzyladenine; exemption from the requirement of a tolerance.

The biochemical plant regulator 6-benzyladenine (6–BA) is exempt from the requirement of a tolerance in or on apple and pear when applied at a rate of ≤182 grams of active ingredient per acre per season, and in or on pistachio when applied at a rate of ≤60 grams of active ingredient per acre per season.

[72 FR 13179, Mar. 21, 2007]

### § 180.1153 Lepidopteran pheromones; exemption from the requirement of a tolerance.

Lepidopteran pheromones that are naturally occurring compounds, or identical or substantially similar synthetic compounds, designated by an unbranched aliphatic chain (between 9 and 18 carbons) ending in an alcohol, aldehyde or acetate functional group and containing up to 3 double bonds in the aliphatic backbone, are exempt from the requirement of a tolerance in or on all raw agricultural commodities. This exemption only pertains to those situations when the pheromone is: Applied to growing crops at a rate not to exceed 150 grams active ingredient/acre/year in accordance with good agricultural practices; and applied as a post-harvest treatment to stored food commodities at a rate not to exceed 3.5 grams active ingredient/1,000 $ft^2$/year (equivalent to 150 grams active ingredient/acre/year) in accordance with good agricultural practices.

[71 FR 45399, Aug. 9, 2006]

### § 180.1154 CryIA(c) and CryIC derived delta-endotoxins of *Bacillus thuringiensis* var. *kurstaki* encapsulated in killed *Pseudomonas fluorescens*, and the expression plasmid and cloning vector genetic constructs.

CryIA(c) and CryIC derived delta-endotoxins of *Bacillus thuringiensis* var. *kurstaki* encapsulated in killed *Pseudomonas fluorescens* and the expression plasmid and cloning vector genetic constructs are exempt from the requirement of a tolerance when used in or on all raw agricultural commodities.

[60 FR 47489, Sept. 13, 1995]

### § 180.1156 Cinnamaldehyde; exemption from the requirement of a tolerance.

Cinnamaldehyde (3-phenyl-2-propenal) is exempted from the requirement of a tolerance in or on all food commodities, when used as a fungicide, insecticide, and algaecide in accordance with good agricultual practices.

[64 FR 7804, Feb. 17, 1999; 64 FR 14099, Mar. 24, 1999]

### § 180.1157 Cytokinins; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of cytokinins (specifically: aqueous extract of seaweed meal and kinetin) in or on all food commodities when used as plant regulators on plants, seeds, or cuttings and on all food commodities after harvest in accordance with good agricultural practices.

[64 FR 31505, June 11, 1999]

### § 180.1158 Auxins; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of auxins (specifically: indole-3-acetic acid and indole-3-butyric acid) in or on all food commodities when used as plant regulators on plants, seeds, or cuttings and on all food commodities after harvest in accordance with good agricultural practices.

[64 FR 31505, June 11, 1999]

### § 180.1159 Pelargonic acid; exemption from the requirement of tolerances.

(a) An exemption from the requirement of a tolerance is established for residues of pelargonic acid in or on all food commodities when used as a plant regulator on plants, seeds, or cuttings and on all food commodities after harvest in accordance with good agricultural practices.

(b) Pelargonic acid when used as an herbicide is exempt from the requirement of a tolerance on all plant food commodities provided that:

(1) Applications are not made directly to the food commodity except when used as a harvest aid or desiccant

to: any root and tuber vegetable, bulb vegetable or cotton.

(2) When pelargonic acid is used as a harvest aid or desiccant, applications must be made no later than 24 hours prior to harvest.

(c) An exemption from the requirement of a tolerance is established for residues of pelargonic acid in or on all raw agricultural commodities and in processed commodities, when such residues result from the use of pelargonic acid as an antimicrobial treatment in solutions containing a diluted end-use concentration of pelargonic acid up to 170 ppm per application on food contact surfaces such as equipment, pipelines, tanks, vats, fillers, evaporators, pasteurizers and aseptic equipment in restaurants, food service operations, dairies, breweries, wineries, beverage and food processing plants.

[62 FR 28364, May 23, 1997, as amended at 64 FR 31505, June 11, 1999; 68 FR 7935, Feb. 19, 2003]

### § 180.1160 Jojoba oil; exemption from the requirement of a tolerance.

The insecticide and spray tank adjuvant jojoba oil is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied at the rate of 1.0% or less of the final spray in accordance with good agricultural practices, provided the jojoba oil does not contain simmondsin, simmondsin-2-ferulate, and related conjugated organonitriles including demethyl simmondsin and didemethylsimmondsin.

[61 FR 2121, Jan. 25, 1996]

### § 180.1161 Clarified hydrophobic extract of neem oil; exemption from the requirement of a tolerance.

Clarified hydrophobic extract of neem oil is exempt from the requirement of a tolerance on all food commodities when used as a botanical fungicide/insecticide/miticide.

[67 FR 43552, June 28, 2002]

### § 180.1162 Acrylate polymers and copolymers; exemption from the requirement of a tolerance.

(a) Acrylate polymers and copolymers are exempt from the requirement of a tolerance when used as inert ingredients in pesticidal formulations applied to growing, raw agricultural commodities. This tolerance exemption covers the acrylate polymers/copolymers that are intrinsically safe and already listed in TSCA inventory or will meet the polymer tolerance exemption from requirements of premanufacturing notification under 40 CFR 723.250. Polymers exempted can be used as dispensers, resins, fibers, and beads, as long as the fibers, beads and resins particle sizes are greater than 10 microns and insoluble in water. This exemption pertains to the acrylate polymers/copolymers used as inert ingredients for sprayable and dispenser pesticide formulations that are applied on food crops. Any acrylate polymers/copolymers used for encapsulating material must be cleared as an inert ingredient when used in pesticide formulation applied on food crops.

(b) For the purposes of this exemption, acrylate polymers/copolymers used as inert ingredients in an end-use formulation must meet the definition for a polymer as given in 40 CFR 723.250(b), are not automatically excluded by 40 723.250(d), and meet the tolerance exemption criteria in 40 CFR 723.250(e)(1), 40 CFR 723.250 (e)(2) or 40 CFR 723.250(e)(3). Therefore, acrylate polymers and copolymers that are already listed in the TSCA inventory or will meet the polymer tolerance exemption under 40 CFR 723.250 as amended on March 29, 1995 are covered by this exemption.

[61 FR 6551, Feb. 21, 1996]

### § 180.1163 Killed *Myrothecium verrucaria;* exemption from the requirement of a tolerance.

Killed *Myrothecium verrucaria* is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied as a preseed or pre- or post-planting soil treatment alone or mixed with water and the mixed suspension be applied through drip or border irrigation systems and the indicator mycotoxin levels do not exceed 15 ppm.

[61 FR 11315, Mar. 20, 1996, as amended at 61 FR 58332, Nov. 14, 1996]

**§ 180.1165 Capsaicin; exemption from the requirement of a tolerance.**

Capsaicin is exempt from the requirement of a tolerance in or on all food commodities when used in accordance with approved label rates and good agricultural practice.

[63 FR 39521, July 23, 1998]

**§ 180.1167 Allyl isothiocyanate as a component of food grade oil of mustard; exemption from the requirement of a tolerance.**

The insecticide and repellent Allyl isothiocyanate is exempt from the requirement of a tolerance for residues when used as a component of food grade oil of mustard, in or on all raw agricultural commodities, when applied according to approved labeling.

[61 FR 24894, May 17, 1996]

**§ 180.1176 Sodium bicarbonate; exemption from the requirement of a tolerance.**

The biochemical pesticide sodium bicarbonate is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied as a fungicide or post-harvest fungicide in accordance with good agricultural practices.

[61 FR 67473, Dec. 23, 1996]

**§ 180.1177 Potassium bicarbonate; exemption from the requirement of a tolerance.**

The biochemical pesticide potassium bicarbonate is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied as a fungicide or post-harvest fungicide in accordance with good agricultural practices.

[61 FR 67473, Dec. 23, 1996]

**§ 180.1178 Formic acid; exemption from the requirement of a tolerance.**

The pesticide formic acid is exempted from the requirement of a tolerance in or on honey and honeycomb when used to control tracheal mites and suppress varroa mites in bee colonies, and applied in accordance with label use directions.

[74 FR 26535, June 3, 2009]

**§ 180.1179 Plant extract derived from *Opuntia lindheimeri, Quercus falcata, Rhus aromatica,* and *Rhizophoria mangle;* exemption from the requirement of a tolerance.**

The biochemical pesticide plant extract derived from *Opuntia lindheimeri, Quercus falcata, Rhus aromatica,* and *Rhizophoria mangle* is exempted from the requirement of a tolerance in or on all raw agricultural commodities when applied as a nematicide/plant regulator in accordance with good agricultural practices.

[62 FR 24842, May 7, 1997]

**§ 180.1180 Kaolin; exemption from the requirement of a tolerance.**

(a) The biochemical pesticide kaolin is temporarily exempted from the requirement of a tolerance for residues of the insecticide Kaolin, when used on crops (apples, apricots, bananas, beans, cane berries, citrus fruits, corn, cotton, cranberries, cucurbits, grapes, melons, nuts, ornamentals, peaches, peanuts, pears, peppers, plums, potatoes, seed crops, small grains, soybeans, strawberries, sugar beets, and tomatoes) to control certain insect, fungus, and bacterial damage to plants. This temporary exemption from the requirement of a tolerance will permit the marketing of the food commodities in this paragraph when treated in accordance with the provisions of experimental use permit 70060–EUP–1, which is being issued under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended (7 U.S.C. 136). This temporary exemption from the requirement of a tolerance expires and is revoked December 31, 1999. This temporary exemption from the requirement of a tolerance may be revoked at any time if the experimental use permit is revoked or if any experience with or scientific data on this pesticide indicate that the tolerance is not safe.

(b) Kaolin is exempted from the requirement of a tolerance for residues when used on or in food commodities to aid in the control of insects, fungi, and bacteria (food/feed use).

[62 FR 19685, Apr. 23, 1997, as amended at 63 FR 9430, Feb. 25, 1998]

### § 180.1181 *Bacillus cereus* strain BPO1; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance for residues of the *Bacillus cereus* strain BPO1 in or on all raw agricultural commodities when applied/used in accordance with label directions.

[67 FR 70017, Nov. 20, 2002]

### § 180.1187 L-glutamic acid; exemption from the requirement of a tolerance.

L-glutamic acid is exempt from the requirement of a tolerance on all food commodities when used in accordance with good agricultural practices.

[66 FR 33198, June 21, 2001]

### § 180.1188 Gamma aminobutyric acid; exemption from the requirement of a tolerance.

Gamma aminobutyric acid is exempt from the requirement of a tolerance on all food commodities when used in accordance with good agricultural practices.

[66 FR 33198, June 21, 2001]

### § 180.1189 Methyl salicylate; exemption from the requirement of a tolerance.

The biochemical pesticide methyl salicylate is exempt from the requirement of a tolerance for residues in or on food or feed when used as an insect repellant in food packaging and animal feed packaging at an application rate that does not exceed 0.2 mg of methyl salicylate per square inch of packaging materials.

[62 FR 61639, Nov. 19, 1997]

### § 180.1191 Ferric phosphate; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide, ferric phosphate ($FePO_4$, CAS No. 11045–86–0) in or on all food commodities.

[62 FR 56105, Oct. 29, 1997]

### § 180.1193 Potassium dihydrogen phosphate; exemption from the requirement of a tolerance.

Potassium dihydrogen phosphate is exempted from the requirement of a tolerance in or on all food commodities when applied as a fungicide in accordance with good agricultural practices.

[63 FR 43085, Aug. 12, 1998]

### § 180.1195 Titanium dioxide.

Titanium dioxide is exempted from the requirement of a tolerance for residues in or on growing crops, when used as an inert ingredient (UV protectant) in microencapsulated formulations of the insecticide lambdacyhalothrin at no more than 3.0% by weight of the formulation.

[63 FR 14363, Mar. 25, 1998]

### § 180.1196 Peroxyacetic acid; exemption from the requirement of a tolerance.

(a) An exemption from the requirement of a tolerance is established for residues of peroxyacetic acid in or on all food commodities, when such residues result from the use of peroxyacetic acid as an antimicrobial treatment in solutions containing a diluted end use concentration of peroxyacetic acid up to 100 ppm per application on fruits, vegetables, tree nuts, cereal grains, herbs, and spices.

(b) An exemption from the requirement of a tolerance is established for residues of peroxyacetic acid, in or on all food commodities when used in sanitizing solutions containing a diluted end-use concentration of peroxyacetic acid up to 500 ppm, and applied to tableware, utensils, dishes, pipelines, tanks, vats, fillers, evaporators, pasteurizers, aseptic equipment, milking equipment, and other food processing equipment in food handling establishments including, but not limited to dairies, dairy barns, restaurants, food service operations, breweries, wineries, and beverage and food processing plants.

(c) An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide peroxyacetic acid and its metabolites and degradates, including hydrogen peroxide and acetic acid, in or on all

food commodities, when used in accordance with good agricultural practices.

[74 FR 26535, June 3, 2009, as amended at 76 FR 11969, Mar. 4, 2011]

### § 180.1197 Hydrogen peroxide; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of hydrogen peroxide in or on all food commodities at the rate of ≤ 1% hydrogen peroxide per application on growing and postharvest crops.

[67 FR 41844, June 20, 2002]

### § 180.1198 *Gliocladium catenulatum* strain J1446; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide, *Gliocladium catenulatum* strain J1446 when used in or on all food commodities.

[63 FR 37288, July 10, 1998]

### § 180.1199 Lysophosphatidylethanolamine (LPE); exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide lysophosphatidylethanolamine in or on all food commodities.

[67 FR 17636, Apr. 11, 2002]

### § 180.1200 *Pseudomonas fluorescens* strain PRA–25; temporary exemption from the requirement of a tolerance.

A temporary exemption from the requirement of a tolerance is established for residues of the microbial pesticide, *pseudomonas fluorescens* strain PRA–25 when used on peas, snap beans and sweet corn and will expire July 31, 2001.

[63 FR 38498, July 17, 1998]

### § 180.1201 *Trichoderma harzianum* strain T-39; exemption from the requirement of a tolerance.

*Trichoderma harzianum* strain T-39 is exempt from the requirement of a tolerance on all food commodities.

[65 FR 38757, June 22, 2000]

### § 180.1202 *Bacillus sphaericus;* exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticides, *Bacillus sphaericus* when used in or on all food crops.

[63 FR 48597, Sept. 11, 1998]

### § 180.1204 Harpin protein; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of individual harpin proteins that meet specified physiochemical and toxicological criteria when used as biochemical pesticides on all food commodities to enhance plant growth, quality and yield, to improve overall plant health, and to aid in pest management. The physiochemical and toxicological criteria identifying harpin proteins are as follows:

(a) Consists of a protein less than 100 kD in size, that is acidic (pI<7.0), glycine rich (>10%), and contains no more than one cystine residue.

(b) The source(s) of genetic material encoding the protein are bacterial plant pathogens not known to be mammalian pathogens.

(c) Elicits the hypersensitive response (HR) which is characterized as rapid, localized cell death in plant tissue after infiltration of harpin into the intercellular spaces of plant leaves.

(d) Possesses a common secondary structure consisting of α and β units that form an HR domain.

(e) Is heat stable (retains HR activity when heated to 65 °C for 20 minutes).

(f) Is readily degraded by a proteinase representative of environmental conditions (no protein fragments >3.5 kD after 15 minutes degradation with Subtilisin A).

(g) Exhibits a rat acute oral toxicity ($LD_{50}$) of greater than 5,000 mg product/kg body weight.

[69 FR 24996, May 5, 2004]

### § 180.1205 *Beauveria bassiana* ATCC #74040; exemption from the requirements of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the insecticide *Beauveria bassiana* (ATCC #74040) in or on all food commodities when applied or used as ground and aerial foliar sprays for use only on terrestrial crops.

[64 FR 22796, Apr. 28, 1999]

### § 180.1206 *Aspergillus flavus* AF36; exemption from the requirement of a tolerance.

(a) An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Aspergillus flavus* AF36 in or on cotton, gin byproducts; cotton, hulls; cotton, meal; cotton, refined oil; cotton, undelinted seed.

(b) *Aspergillus flavus* AF36 is temporarily exempt from the requirement of a tolerance on pistachio when used in accordance with the Experimental Use Permit, EPA File Symbol 71693–EUP–1. This temporary exemption from tolerance expires on December 31, 2011.

(c) An exemption from the requirement of a tolerance is established for residues of *Aspergillus flavus* AF36 in or on corn, field, forage; corn, field, grain; corn, field, stover; corn, field, aspirated grain fractions; corn, sweet, kernel plus cob with husk removed; corn, sweet, forage; corn, sweet, stover; corn, pop, grain; and corn, pop, stover, when applied/used as an antifungal agent.

[68 FR 41541, July 14, 2003, as amended at 72 FR 28871, May 23, 2007; 72 FR 72965, Dec. 26, 2007; 74 FR 26535, 26546, June 3, 2009; 76 FR 16301, Mar. 23, 2011]

### § 180.1207 N-acyl sarcosines and sodium N-acyl sarcosinates; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the following substances when used as inert ingredients (surfactants) at levels not to exceed 10% in pesticide formulations containing glyphosate:

| Name | CAS Reg. No. |
|---|---|
| N-acyl sarcosines. | |
| N-cocoyl sarcosine mixture | 68411-97-2 |
| N-lauroyl sarcosine | 97-78-9 |
| N-myristoyl sarcosine | 52558-73-3 |
| N-oleoyl sarcosine | 110-25-8 |
| N-stearoyl sarcosine | 142-48-3 |
| Sodium N-acyl sarcosinates. | |
| N-cocoyl sarcosine sodium salt mixture | 61791-59-1 |
| N-methyl-N-(1-oxo-9-octodecenyl) glycine | 3624-77-9 |
| N-methyl-N-(1-oxododecyl) glycine | 137-16-6 |
| N-methyl-N-(1-oxooctadecyl) glycine | 5136-55-0 |
| N-methyl-N-(1-oxotetradecyl glycine | 30364-51-3 |

[64 FR 68046, Dec. 6, 1999]

### § 180.1209 *Bacillus subtilis* strain QST 713; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Bacillus subtilis* strain QST 713 when used in or on all food commodities.

[65 FR 41369, July 5, 2000]

### § 180.1210 Phosphorous acid; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of phosphorous acid and its ammonium, sodium, and potassium salts in or on all food commodities when used as an agricultural fungicide and in or on potatoes when applied as a postharvest treatment at 35,600 ppm or less phosphorous acid.

[71 FR 49373, Aug. 23, 2006]

### § 180.1212 *Pseudomonas chlororaphis* Strain 63–28; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Pseudomonas chlororaphis* Strain 63–28 in or on all food commodities.

[66 FR 53346, Oct. 22, 2001]

### § 180.1213 *Coniothyrium minitans* strain CON/M/91–08; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Coniothyrium minitans* strain CON/M/91–

08 when used in or on all food commodities.

[66 FR 16874, Mar. 28, 2001]

### § 180.1218 Indian Meal Moth Granulosis Virus; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide Indian Meal Moth Granulosis Virus when used in or on all food commodities.

[68 FR 55875, Sept. 29, 2003]

### § 180.1219 Foramsulfuron; exemption from the requirement of a tolerance.

The pesticide foramsulfuron is exempted from the requirement of a tolerance in corn, field, grain/corn, field, forage/ corn, field, stover/corn, pop, grain/corn, pop, forage/corn, pop, stover; corn, sweet, forage; corn, sweet, kernel plus cob with husks removed; corn, sweet, stover when applied as a herbicide in accordance with good agricultural practices.

[74 FR 26535, June 3, 2009]

### § 180.1220 1-Methylcyclopropene; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the 1-Methylcyclopropene in or on fruits and vegetables when:

(a) Used as a post harvest plant growth regulator, *i.e.*, for the purpose of inhibiting the effects of ethylene.

(b) Applied or used outdoors for preharvest treatments.

[73 FR 19150, Apr. 9, 2008]

### § 180.1221 *Pseudozyma flocculosa* strain PF-A22 UL; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of *Pseudozyma flocculosa* strain PF-A22 UL in or on all food commodities.

[67 FR 60966, Sept. 27, 2002]

### § 180.1222 Sucrose octanoate esters; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of sucrose octanoate esters [(α-D-glucopyranosyl-β-D-fructofuranosyl-octanoate), mono-, di-, and triesters of sucrose octanoate] in or on all food commodities when used in accordance with good agricultural practices.

[67 FR 60152, Sept. 25, 2002]

### § 180.1223 Imazamox; exemption from the requirement of a tolerance.

The herbicide imazamox, (±) 2, -[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-3-pyridinecarboxylic acid, is exempt from the requirement of a tolerance on all food commodities when applied as a herbicide in accordance with good agricultural practices.

[68 FR 7433, Feb. 14, 2003]

### § 180.1224 *Bacillus pumilus* GB34; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Bacillus pumilus* GB34 when used as a seed treatment in or on all food commodities. An exemption is also granted for such residues on treated but unplanted soybean seeds.

[69 FR 76625, Dec. 22, 2004]

### § 180.1225 Decanoic acid; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of decanoic acid in or on all raw agricultural commodities and in processed commodities, when such residues result from the use of decanoic acid as an antimicrobial treatment in solutions containing a diluted end-use concentration of decanoic acid (up to 170 ppm per application) on food contact surfaces such as equipment, pipelines, tanks, vats, fillers, evaporators, pasteurizers and aseptic equipment in restaurants, food service operations, dairies, breweries, wineries, beverage and food processing plants.

[68 FR 7939, Feb. 19, 2003; 68 FR 17308, Apr. 9, 2003]

**§ 180.1226 *Bacillus pumilus* strain QST2808; temporary exemption from the requirement of a tolerance.**

A temporary exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Bacillus pumilus* strain QST2808 when used in or on all agricultural commodities when applied/used in accordance with label directions.

[68 FR 36480, June 18, 2003]

**§ 180.1228 Diallyl sulfides; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of diallyl sulfides when used in/on garlic, leeks, onions, and shallots.

[68 FR 40808, July 9, 2003]

**§ 180.1230 Ferrous sulfate; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of ferrous sulfate.

[70 FR 33363, June 8, 2005]

**§ 180.1231 Lime; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of lime.

[70 FR 33363, June 8, 2005]

**§ 180.1232 Lime-sulfur; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of lime-sulfur.

[70 FR 33363, June 8, 2005]

**§ 180.1233 Potassium sorbate; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of potassium sorbate.

[70 FR 33363, June 8, 2005]

**§ 180.1234 Sodium carbonate; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of sodium carbonate.

[70 FR 33363, June 8, 2005]

**§ 180.1235 Sodium hypochlorite; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of sodium hypochlorite.

[70 FR 33363, June 8, 2005]

**§ 180.1236 Sulfur; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of sulfur.

[70 FR 33363, June 8, 2005]

**§ 180.1237 Sodium metasilicate; exemption from the requirement of a tolerance.**

(a) An exemption from the requirement of a tolerance is established for residues of sodium metasilicate in or on all food commodities when used in accordance with approved label rates and good agricultural practices as a plant desiccant, so long as the sodium metasilicate does not exceed 4% by weight in aqueous solution.

(b) An exemption from the requirement of a tolerance is established for residues of sodium metasilicate in or on all food commodities when used in accordance with approved label rates and good agricultural practices as an insecticide and fungicide, so long as the sodium metasilicate does not exceed 2.41% by weight in aqueous solution.

[71 FR 19441, Apr. 14, 2006]

**§ 180.1240 Thymol; exemption from the requirement of a tolerance.**

(a) Time-limited exemptions from the requirement of a tolerance are established for residues of thymol on honey and honeycomb in connection with use of the pesticide under section 18 emergency exemptions granted by

the EPA. These time-limited exemptions from the requirement of a tolerance for residues of thymol will expire and are revoked on June 30, 2007.

(b) An exemption from the requirement of a tolerance for residues of the thymol (as present in thyme oil) in or on food commodities when applied/used in/on public eating places, dairy processing equipment, and/or food processing equipment and utensils.

[70 FR 37696, June 30, 2005, as amended at 71 FR 2895, Jan. 18, 2006; 74 FR 12617, Mar. 25, 2009]

### § 180.1241 Eucalyptus oil; exemption from the requirement of a tolerance.

Time-limited exemptions from the requirement of a tolerance are established for residues of eucalyptus oil on honey and honeycomb in connection with use of the pesticide under section 18 emergency exemptions granted by the EPA. These time-limited exemptions from the requirement of a tolerance for residues of eucalyptus oil will expire and are revoked on June 30, 2007.

[70 FR 37696, June 30, 2005]

### § 180.1243 *Bacillus subtilis* var. *amyloliquefaciens* strain FZB24; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance for residues of the *Bacillus subtilis* var. *amyloliquefaciens* strain FZB24 in or on all agricultural commodities when applied/used in accordance with label directions.

[68 FR 44640, July 30, 2003]

### § 180.1244 Ammonium bicarbonate; exemption from the requirement of a tolerance.

An exemption from the requirement of tolerance is established for residues of ammonium bicarbonate used in or on all food commodities when used in accordance with good agricultural practices.

[69 FR 13745, Mar. 24, 2004]

### § 180.1245 Rhamnolipid biosurfactant; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of rhamnolipid biosurfactant when used in accordance with good agricultural practices as a fungicide in or on all food commodities.

[69 FR 16800, Mar. 31, 2004]

### § 180.1246 Yeast Extract Hydrolysate from *Saccharomyces cerevisiae:* exemption from the requirement of a tolerance.

This regulation establishes an exemption from the requirement of a tolerance for residues of the biochemical pesticide Yeast Extract Hydrolysate from *Saccharomyces cerevisiae* on all food commodities when applied/used for the management of plant diseases.

[69 FR 9958, Mar. 3, 2004]

### § 180.1248 Exemption of citronellol from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide citronellol in or on all food commodities.

[69 FR 23146, Apr. 28, 2004]

### § 180.1250 C8, C10, and C12 fatty acid monoesters of glycerol and propylene glycol; exemption from the requirement of a tolerance.

The C8, C10, and C12 straight-chain fatty acid monoesters of glycerol (glycerol monocaprylate, glycerol monocaprate, and glycerol monolaurate) and propylene glycol (propylene glycol monocaprylate, propylene glycol monocaprate, and propylene glycol monolaurate) are exempt from the requirement of a tolerance in or on all food commodities when used in accordance with approved label rates and good agricultural practice.

[69 FR 34944, June 23, 2004]

### § 180.1251 Geraniol; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide geraniol in or on all food commodities.

[69 FR 23151, Apr. 28, 2004]

### § 180.1253 *Streptomyces lydicus* WYEC 108; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Streptomyces lydicus* WYEC 108 when used in or on all agricultural commodities when applied/used in accordance with label directions.

[69 FR 31301, June 3, 2004]

### § 180.1254 Aspergillus flavus NRRL 21882; exemption from the requirement of a tolerance.

(a) An exemption from the requirement of a tolerance is established for residues of *Aspergillus flavus* NRRL 21882 on peanut; peanut, hay; peanut, meal; and peanut, refined oil.

(b) An exemption from the requirement of a tolerance is established for residues of *Aspergillus flavus* NRRL 21882 on corn, field, forage; corn, field, grain; corn, field, stover; corn, field, aspirated grain fractions; corn, sweet, kernel plus cob with husk removed; corn, sweet, forage; corn, sweet, stover; corn, pop, grain; and corn, pop, stover.

[75 FR 6576, Feb. 10, 2010]

### § 180.1255 *Bacillus pumilus* strain QST 2808; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Bacillus pumilus* strain QST 2808 when used in or on all agricultural commodities when applied/used in accordance with label directions.

[69 FR 63954, Nov. 3, 2004]

### § 180.1256 *Alternaria destruens* strain 059; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Alternaria destruens* Strain 059 when used in or on all raw agricultural commodities when applied/used in accordance with label directions.

[70 FR 28459, May 18, 2005]

### § 180.1257 *Paecilomyces lilacinus* strain 251; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of the microbial pesticide *Paecilomyces lilacinus* strain 251 when used in or on all agricultural commodities when applied/used in accordance with label directions.

[70 FR 19283, Apr. 13, 2005]

### § 180.1258 Acetic acid; exemption from the requirement of a tolerance.

(a) An exemption from the requirement of a tolerance is established for residues of the biochemical pesticide acetic acid when used as a preservative on post-harvest agricultural commodities intended for animal feed, including Alfalfa, seed; alfalfa, hay; barley, grain; bermudagrass, hay; bluegrass, hay; bromegrass, hay; clover, hay; corn, field, grain; corn, pop, grain; cowpea, hay; fescue, hay; lespedeza, hay; lupin; oat, grain; orchardgrass, hay; peanut, hay; timothy, hay; vetch, hay; and wheat, grain, or commodities described as grain or hay.

(b) An exemption from the requirement of a tolerance is established for residues of acetic acid in or on all food crops resulting from unintentional spray and drift to non-target vegetation including non-food, food and feed crops when used as a non-selective contact herbicide spray.

[75 FR 40741, July 14, 2010]

### § 180.1259 *Reynoutria sachalinensis* extract; exemption from the requirement of a tolerance.

Residues of the biochemical pesticide *Reynoutria sachalinensis* extract, when derived from the whole plant extract, are exempt from the requirement of a tolerance in or on all food commodities.

[70 FR 55277, Sept. 21, 2005]

### § 180.1260 *Muscodor albus* QST 20799 and the volatiles produced on rehydration; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established on all food/feed commodities, for residues of *Muscodor albus* QST 20799, and the

volatiles produced on its rehydration, when the pesticide is used for all agricultural applications, including seed, propagule and post harvest treatments.

[70 FR 56576, Sept. 28, 2005]

### § 180.1261 *Xanthomonas campestris pv. vesicatoria* and *Pseudomonas syringae pv. tomato* specific Bacteriophages.

An exemption from the requirement of a tolerance is established for residues of *Xanthomonas campestris pv. vesicatoria* and *Pseudomonas syringae pv. tomato* specific bacteriophages in or on pepper and tomato.

[74 FR 26536, June 3, 2009]

### § 180.1262 Sorbitol octanoate; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of sorbitol octanoate in or on all food commodities when used in accordance with label directions.

[71 FR 4518, Jan. 27, 2006]

### § 180.1263 Tetrahydrofurfuryl alcohol; exemption from the requirement of a tolerance.

Tetrahydrofurfuryl alcohol (THFA, CAS Reg. No. 97–99–4) is exempt from the requirement of a tolerance in or on all raw agricultural commodities when used in accordance with good agricultural practices as an inert ingredient applied only:

(a) For use as a seed treatment.

(b) For applications prior to planting and at the time of planting.

(c) For use on cotton.

(d) For use in herbicides with one application to wheat and barley prior to the pre-boot stage, and two applications to canola and soybeans prebloom.

(e) For use in herbicides with two applications to field corn up to 24 inches tall (V 5 stage).

[71 FR 45415, Aug. 9, 2006]

### § 180.1267 *Pantoea agglomerans* strain C9–1; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of *Pantoea agglomerans* strain C9–1 when used on apples and pears.

[71 FR 24596, Apr. 26, 2006]

### § 180.1268 Potassium silicate; exemption from the requirement of a tolerance.

Potassium silicate is exempt from the requirement of a tolerance in or on all food commodities so long as the potassium silicate is not applied at rates exceeding 1% by weight in aqueous solution and when used in accordance with good agricultural practices.

[71 FR 34272, June 14, 2006]

### § 180.1269 *Bacillus mycoides* Isolate J: exemption from the requirement of a tolerance.

*Bacillus mycoides* isolate J is temporarily exempt from the requirement of a tolerance when used as a fungicide on pecans, potatoes, sugar beets, tomatoes, and peppers in accordance with the Experimental Use Permit 82761–EUP–2. This temporary exemption from the requirement of a tolerance expires and is revoked on March 31, 2011.

[74 FR 10498, Mar. 11, 2009]

### § 180.1270 Isophorone; exemption from the requirement of a tolerance.

Isophorone (CAS Reg. No. 78–59–1) is exempt from the requirement of a tolerance when used as an inert ingredient in pesticide formulations applied to beets, ginseng, rice, spinach, sugar beets, and Swiss chard.

[71 FR 45408, Aug. 9, 2006]

### § 180.1271 Eucalyptus oil; exemption from the requirement of a tolerance.

An exemption from the requirement of tolerance is established for residues of eucalyptus oil in or on honey, honeycomb, and honeycomb with honey when used at 2g or less eucalyptus oil per hive, where the eucalyptus oil contains 80% or more eucalyptol.

[71 FR 53979, Sept. 13, 2006]

### § 180.1272 *Pantoea agglomerans* strain E325; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of *Pantoea agglomerans* strain E325 when used on apples and pears.

[71 FR 54933, Sept. 20, 2006]

### § 180.1273 Beauveria bassiana HF23; exemption from the requirement of a tolerance.

Residues of *Beauveria bassiana* HF23 are exempt from the requirement of a tolerance on all food/feed commodities, when the pesticide is used for the treatment of chicken and livestock facilities, including the treatment of chicken and livestock manure.

[75 FR 10190, Mar. 5, 2010]

### § 180.1274 Tris (2-ethylhexyl) phosphate; exemption from the requirement of a tolerance.

Tris (2-ethylhexyl) phosphate (TEHP, CAS Reg. No. 78–42–2) is exempt from the requirement of a tolerance for residues in grain, aspirated fractions; barley, grain, barley, hay, barley, straw; wheat, grain; wheat, forage; wheat, hay; wheat, straw when used under the following conditions:

(a) The use is in accordance with good agricultural practices;

(b) Tris (2-ethylhexyl) phosphate is used as an inert ingredient in pesticide formulations with the active ingredients pinoxaden, clodinafop-propargyl, and tralkoxydium;

(c) Tris (2-ethylhexyl) phosphate is applied no more than twice per season; and

(d) The applications occur no later than the pre-boot stage (prior to formation of edible grain).

[72 FR 5624, Feb. 7, 2007, as amended at 74 FR 26536, June 3, 2009]

### § 180.1275 Pythium; exception from the requirement of a tolerance.

An exemption from the requirement of tolerance is established on all food/feed commodities, for residues of *pythium oligandrum* DV 74 when the pesticide is used on food crops.

[72 FR 27452, May 16, 2007]

### § 180.1276 Tobacco mild green mosaic tobamovirus (TMGMV); temporary exemption from the requirement of a tolerance.

A temporary exemption from the requirement of a tolerance is established for residues of tobacco mild green mosaic tobamovirus in or on all grass, forage and grass, hay.

[74 FR 26536, June 3, 2009]

### § 180.1277 Dibasic esters; exemption from the requirement of a tolerance.

Dibasic esters (CAS Reg. No. 95481–62–2) is exempted from the requirement of a tolerance for residues when used as an inert ingredient (solvent and/or anti-freeze) at 10% W/W or less in microencapsulated pesticide formulations with the active ingredient cyfluthrin.

[73 FR 10398, Feb. 27, 2008]

### § 180.1278 *Quillaja saponaria* extract (saponins); exemption from the requirement of a tolerance.

Residues of the biochemical pesticide *Quillaja saponaria* extract (saponins) are exempt from the requirement of a tolerance in or on all food commodities.

[72 FR 41935, Aug. 1, 2007]

### § 180.1279 Zucchini yellow mosaic virus—weak strain; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance for residues of the ZYMV–WK strain in or on all raw cucurbit when applied/used in accordance with label directions.

[74 FR 26536, June 3, 2009]

### § 180.1280 Poly(hexamethylenebiguanide) hydrochloride (PHMB); exemption from the requirement of a tolerance.

Poly(hexamethylenebiguanide) hydrochloride (PHMB)(CAS Reg. No. 32289–58–0) is exempt from the requirement of a tolerance for residues of the antimicrobial in or on all food commodities when the residues are the result of the lawful application of a food

contact surface sanitizer containing PHMB at 550 parts per million (ppm).

[73 FR 1517, Jan. 9, 2008]

### § 180.1281 S-Abscisic Acid, (S)-5-(1-hydroxy-2,6,6-trimethyl-4-oxo-1-cyclohex-2-enyl)-3-methyl-penta-(2Z,4E)-dienoic Acid; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of S-Abscisic Acid in or on all food commodities when applied or used preharvest as a plant regulator.

[75 FR 11744, Mar. 12, 2010]

### § 180.1282 Bacillus firmus I-1582; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established in/on all food/feed commodities, for residues of *Bacillus firmus* I-1582 when used as a soil application or seed treatment.

[73 FR 25528, May 7, 2008]

### § 180.1283 (Z)-7,8-epoxy-2-methyloctadecane (Disparlure); exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of (Z)-7,8-epoxy-2-methyloctadecane on all food and feed crops that occur when it is used to treat trees, shrubs, and pastures and such use results in unintentional spray and drift to non-target vegetation including non-food, food, and feed crops. This active ingredient is also known as Disparlure.

[73 FR 33714, June 13, 2008]

### § 180.1284 Ammonium salts of higher fatty acids ($C_8$-$C_{18}$ saturated; $C_8$-$C_{12}$ unsaturated); exemption from the requirement of a tolerance.

Ammonium salts of $C_8$-$C_{18}$ saturated and $C_8$-$C_{12}$ unsaturated higher fatty acids are exempted from the requirement of a tolerance for residues in or on all food commodities when used in accordance with good agricultural practice.

[74 FR 47457, Sept. 16, 2009]

### § 180.1285 Polyoxin D zinc salt; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for the residues of the biochemical pesticide polyoxin D zinc when used as a fungicide on almonds, cucurbit vegetables, fruiting vegetables, ginseng, grapes, pistachios, pome fruits, potatoes and strawberries.

[73 FR 69564, Nov. 19, 2008]

### § 180.1287 Extract of *Chenopodium ambrosioides* near *ambrosioides*; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for the residues of Extract of *Chenopodium ambrosioides* near *ambrosioides* when used as an insecticide/acaricide on all food commodities.

[74 FR 634, Jan. 7, 2009]

### § 180.1288 Tristyrylphenol ethoxylates; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of poly(oxy-1,2-ethanediyl), α-[2,4,6-tris(1-phenylethyl)phenyl]-ω-hydroxy-, (CAS Reg. No. 70559–25–0) and poly(oxy-1,2-ethanediyl), α-[tris(1-phenylethyl)phenyl]-ω-hydroxy-, (CAS Reg. No. 99734–09–5) on citrus crops, group 10, when used as inert ingredients under the following conditions:

(a) They are applied post-harvest;

(b) They are used as inert ingredients in pesticide formulations with azoxystrobin and fludioxonil; and

(c) They constitute no more than 10.0% of the formulated pesticide product.

[74 FR 12625, Mar. 25, 2009]

### § 180.1289 *Candida oleophila* Strain O; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for the residues of the microbial pesticide, *Candida oleophila* Strain O, on apples and pears when applied/used as a post-harvest biofungicide.

[74 FR 22464, May 13, 2009]

**§ 180.1290 *Pasteuria usgae;* exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of *Pasteuria usgae* in or on all food commodities when applied preharvest and used as a nematicide in accordance with good agricultural practices.

[75 FR 37737, June 30, 2010]

**§ 180.1291 Cold pressed neem oil; exemption from the requirement of a tolerance.**

Residues of the biochemical pesticide cold pressed neem oil are exempt from the requirement of a tolerance in or on all food commodities.

[74 FR 55463, Oct. 28, 2009]

**§ 180.1292 Ulocladium oudemansii (U3 Strain); exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established in/on all food commodities for residues of *Ulocladium oudemansii* (U3 Strain), when applied or used pre-harvest-only, excluding applications made post-harvest or to processed commodities, as a microbial fungicide in accordance with good agricultural practices.

[74 FR 55458, Oct. 28, 2009]

**§ 180.1293 Trichoderma gamsii strain ICC 080; exemption from the requirement of a tolerance.**

*Trichoderma gamsii* strain ICC 080 is exempted from the requirement of a tolerance in or on all food and feed commodities when applied preharvest and used in accordance with good agricultural practices.

[75 FR 8507, Feb. 25, 2010]

**§ 180.1294 Trichoderma asperellum strain ICC 012; exemption from the requirement of a tolerance.**

*Trichoderma asperellum* strain ICC 012 is exempted from the requirement of a tolerance in or on all food and feed commodities when applied pre-harvest and used in accordance with good agricultural practices.

[75 FR 9530, Mar. 3, 2010]

**§ 180.1295 Laminarin; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of laminarin in or on all food commodities when laminarin is applied preharvest.

[75 FR 8256, Feb. 24, 2010]

**§ 180.1296 Terpene Constituents α-terpinene, d-limonene and p-cymene, of the Extract of Chenopodium *ambrosioides* near ambrosioides as Synthetically Manufactured; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for the residues of the biochemical pesticide Terpene Constituents α-terpinene, d-limonene and p-cymene, of the Extract of Chenopodium *ambrosioides* near *ambrosioides* as Synthetically Manufactured when used as an insecticide/acaricide in or on all food commodities.

[75 FR 39455, July 9, 2010]

**§180.1297 Homobrassinolide; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for the residues of homobrassinolide in or on all food commodities when applied/used as a plant growth regulator in accordance with good agricultural practices.

[75 FR 39459, July 9, 2010]

**§ 180.1298 Trichoderma hamatum isolate 382; exemption from the requirement of a tolerance.**

An exemption from the requirement of a tolerance is established for residues of *Trichoderma hamatum* isolate 382 in or on all food commodities when applied as a fungicide and used in accordance with good agricultural practices.

[75 FR 43076, July 23, 2010]

**§ 180.1299 Prohydrojasmon; temporary exemption from the requirement of a tolerance.**

A temporary exemption from the requirement of a tolerance is established for residues of prohydrojasmon, propyl-3-oxo-2-pentylcyclo-pentylacetate, when used on red apples varieties preharvest and when used in accordance

with good agricultural practices and will expire on August 1, 2012.

[75 FR 50926, Aug. 18, 2010]

### § 180.1300 Potassium hypochlorite; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of potassium hypochlorite in or on all commodities.

[76 FR 11343, Mar. 2, 2011]

### § 180.1301 *Escherichia coli* O157:H7 specific bacteriophages; temporary exemption from the requirement of a tolerance.

A temporary exemption from the requirement of a tolerance is established for residues of lytic bacteriophages that are specific to *Escherichia coli* O157:H7, sequence negative for shiga toxins I and II, and grown on atoxigenic host bacteria when used/applied on food contact surfaces in food processing plants in accordance with the terms of Experimental Use Permit (EUP) No. 74234–EUP–2. This temporary exemption expires on April 1, 2013.

[76 FR 20546, Apr. 13, 2011]

### § 180.1302 Sodium Ferric Ethylenediaminetetraacetate (EDTA); exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of sodium ferric EDTA in or on all food commodities when applied as a molluscicide and used in accordance with good agricultural practices.

[76 FR 17561, Mar. 30, 2011]

### § 180.1303 Metarhizium anisopliae strain F52; exemption from the requirement of a tolerance.

An exemption from the requirement of a tolerance is established for residues of *Metarhizium anisopliae* strain F52 in or on all food commodities when applied as an insecticide, miticide, or ixodicide and used in accordance with good agricultural practices.

[76 FR 26198, May 6, 2011]

## Subpart E—Pesticide Chemicals Not Requiring a Tolerance or an Exemption From a Tolerance

SOURCE: 66 FR 66772, Dec. 27, 2001, unless otherwise noted.

### § 180.2000 Scope.

This subpart sets forth the pesticide chemicals for use in agricultural or other food-related settings for which neither a tolerance nor an exemption is deemed to be needed by EPA.

### § 180.2003 Definitions.

(a) Food uses are the uses of a pesticide chemical that are likely to yield residues in food or feed crops, meat, milk, poultry or egg.

(b) Non-food uses are those uses that are not likely to yield residues in food or feed crops, meat, milk, poultry or egg.

[66 FR 66772, Dec. 27, 2001, as amended at 73 FR 60158, Oct. 10, 2008]

### § 180.2010 Threshold of regulation determinations.

The following pesticide chemical uses on food or feed, or food or feed crops, do not need a tolerance or exemption from the requirement of a tolerance, and may be registered under the Federal Insecticide, Fungicide, and Rodenticide Act, 7 U.S.C. 136 *et seq.*, without obtaining such tolerance or exemption, based on EPA's determination that the uses are below the threshold of regulation.

| Pesticide Chemical | CAS Reg. No. | Use/Limits | Analytical Method |
|---|---|---|---|
| Thiabendazole | 148–79–8 | As a seed treatment for dry pea (including field pea, pigeon pea, chickpea or lentil), using a maximum application rate of 0.075 pounds of active ingredient per 100 pounds of seed. Vines or hay grown from treated seed may not be fed to livestock.. | High Performance Liquid Chromatography/Florescence Detector method [1]; Modification of *Ion-Pairing Liquid Chromatographic Determination of Benzimidazole Fungicides in Foods*, Gilvydis and Walters, JAOAC, vol. 73, no. 5, 1990. |

[1]Available from: Chief, Analytical Chemistry Branch, Environmental Science Center, 701 Mapes Rd., Ft. Meade, MD 20755–5350; telephone number: (410) 305–2905; e-mail address: *residuemethods@epa.gov*

[73 FR 1978, Jan. 11, 2008]

### § 180.2020 Non-food determinations.

The following pesticide chemical uses do not need a tolerance or exemption from the requirement of a tolerance based on EPA's determination that they are not likely to result in residues in or on food.

| Pesticide Chemical | CAS Reg. No. | Limits | Uses |
|---|---|---|---|
| Methyl bromide | 74–83–9 | When applied as a pre-plant soil fumigant | All pre-plant soil uses |
| Potassium triiodide ($KI_3$). | 12298–68–9 | When applied to growing crops in foreign countries | Bananas, grapes, and melons |
| Rhodamine B ... | 81–88–9 | Not to exceed 2% by weight of the formulated product and 60 ppm on the treated seed | Dye for seed treatment |

[66 FR 66772, Dec. 27, 2001, as amended at 70 FR 40201, July 13, 2005; 71 FR 45402, Aug. 9, 2006]

## PARTS 181–189 [RESERVED]