

**§ 180.101****40 CFR Ch. I (7-1-10 Edition)****TABLE 2—CROP GROUP 19 SUBGROUPS**

Representative commodities	Commodities
<b>Crop Subgroup 19A.</b> 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 ( <i>Origanum</i> spp.); nasturtium; parsley (dried); pennyroyal; rosemary; rue; sage; savory, summer and winter; sweet bay; tansy; tarragon; thyme; wintergreen; woodruff; and wormwood.
<b>Crop Subgroup 19B.</b> 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.

**(22) 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  
Hirneola (*Auricularia auricula*)  
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]

**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; and 73 FR 60155–60157, Oct. 10, 2008.

**§ 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

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Commodity	Parts per million
Almond, hulls .....	75.0
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 .....	0.05
Okra .....	25.0
Peach .....	0.05
Peanut .....	15.0
Peanut, hay .....	0.05
Pear .....	0.05
Plum, prune, fresh .....	25.0
Rapeseed, forage .....	10.0
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-tetrahydropthalimide (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

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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.* Time-limited tolerances are established for combined residues of the herbicide diuron and its metabolites convertible to 3,4-dichloroaniline in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. These tolerances will expire and are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/Revocation date
Catfish .....	2.0	06/30/08

(c) *Tolerances with regional registrations.* Tolerances with a regional registration as defined in § 180.1(n) 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]

**§ 180.108 Acephate; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of acephate *per se* (*O,S*-dimethyl acetylphosphoramidothioate) in or on the following food commodities<sup>1</sup>:

Commodity <sup>1</sup>	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

<sup>1</sup>Residues of the acephate metabolite, methamidophos, are regulated under 40 CFR 180.315

(2) A food tolerance of 0.02 ppm is established for residues of acephate *per se* (*O,S*-dimethyl acetylphosphoramidothioate) as follows:

(i) 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.

(ii) The acephate may be present as a residue from applications of acephate 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:

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(A) 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 and served. Spray concentration shall be limited to a maximum of 1.0 percent active ingredient. For crack and crevice treatments, equipment capable of delivering a pin-stream of insecticide shall be used. For spot treatments, a coarse, low-pressure spray shall be used to avoid atomization or splashing of the spray. Contamination of food or food-contact surfaces shall be avoided.

(B) 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 registration.* Tolerances with regional registration, as defined in § 180.1(m), are established for residues of acephate *per se* (*O,S*-dimethyl acetylphosphoramidothioate) in or on the following food commodities:

Commodity	Parts per million
Nut, macadamia .....	0.05

(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]

### § 180.110 Maneb; tolerances for residues.

(a) *General.* Tolerances for residues of the fungicide maneb (manganese 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

Commodity	Parts per million	Expiration/Revocation Date
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.* A time-limited tolerance is established for residues of the fungicide maneb (manganese ethylenebisdithiocarbamate), calculated as zinc ethylenebisdithiocarbamate, and its metabolite ethylenethiourea 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	Expiration/revocation date
Walnut .....	0.05	12/31/09

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

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(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]

### § 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

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Commodity	Parts per million
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

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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 <sup>1</sup> .....	4
Cattle, meat byproducts <sup>1</sup> .....	4
Egg .....	0.1
Goat, fat .....	4
Goat, meat <sup>1</sup> .....	4
Goat, meat byproducts <sup>1</sup> .....	4
Hog, fat .....	4
Hog, meat <sup>1</sup> .....	4
Hog, meat byproducts <sup>1</sup> .....	4
Horse, fat .....	4
Horse, meat <sup>1</sup> .....	4
Horse, meat byproducts <sup>1</sup> .....	4
Milk, fat .....	0.5
Poultry, fat .....	4
Poultry, meat <sup>1</sup> .....	4
Poultry, meat byproducts <sup>1</sup> .....	4
Sheep, fat .....	4
Sheep, meat <sup>1</sup> .....	4
Sheep, meat byproducts <sup>1</sup> .....	4

<sup>1</sup>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 non-medicated 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]

#### **§ 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:

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Commodity	Parts per million	Expiration/Revocation Date
Apple .....	4.0 <sup>1</sup>	None
Bean .....	7.0 <sup>1</sup>	10/27/07
Cabbage .....	7.0 <sup>1</sup>	10/27/07
Cherry .....	4.0 <sup>1</sup>	None
Cranberry .....	4.0 <sup>1</sup>	None
Fruit, citrus, group 10 .....	4.0 <sup>1</sup>	None
Grape .....	4.0 <sup>1</sup>	None
Lettuce .....	7.0 <sup>1</sup>	10/27/07
Nectarine .....	4.0 <sup>1</sup>	None
Peach .....	4.0 <sup>1</sup>	None
Pear .....	4.0 <sup>1</sup>	None
Raspberry .....	7.0 <sup>1</sup>	10/27/07

<sup>1</sup>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(m), are established for residues of the fungicide ferbam (ferric dimethylthiocarbamate), calculated as carbon disulfide, in or on the following food commodities:

Commodity	Parts per million
Mango .....	4.0 <sup>1</sup>

<sup>1</sup>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 dimethylthiocarbamate), calculated as zinc ethylenebisdimethylthiocarbamate, in or on the following food commodities:

Commodity	Parts per million
Almond .....	0.1 <sup>1</sup>
Apple .....	7.0 <sup>1</sup>
Apricot .....	7.0 <sup>1</sup>
Blackberry .....	7.0 <sup>1</sup>
Blueberry .....	7.0 <sup>1</sup>
Cherry, sweet .....	7.0 <sup>1</sup>
Cherry, tart .....	7.0 <sup>1</sup>
Grape .....	7.0 <sup>1</sup>
Huckleberry .....	7.0 <sup>1</sup>

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Commodity	Parts per million
Peach .....	7.0
Pear .....	7.0 <sup>1</sup>
Pecan .....	0.1
Quince .....	7.0 <sup>1</sup>
Strawberry .....	7.0
Tomato .....	7.0 <sup>1</sup>

<sup>1</sup>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.**

Tolerances are established for negligible residues (N) of the herbicide S-ethyl dipropylthiocarbamate in or on the following raw agricultural commodities:

Commodity	Parts per million
Almond, hulls .....	0.1(N)
Asparagus .....	0.1(N)
Castorbean, seed .....	0.1(N)
Cotton, forage .....	0.1(N)
Cotton, undelinted seed .....	0.1(N)
Flax, seed .....	0.1(N)
Fruit, citrus .....	0.1(N)
Fruit, small .....	0.1(N)
Grain, crop .....	0.1(N)
Grass, forage .....	0.1(N)
Legume, forage .....	0.1(N)
Nut .....	0.1(N)
Pineapple .....	0.1(N)
Safflower, seed .....	0.1(N)
Strawberry .....	0.1(N)
Sunflower, seed .....	0.1(N)
Vegetable, fruiting .....	0.1(N)
Vegetable, leafy .....	0.1(N)
Vegetable, root .....	0.1(N)
Vegetable, seed and pod .....	0.1(N)

[42 FR 9178, Feb. 15, 1977]

**§ 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:

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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

Commodity	Parts per million
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]

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### § 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
Alfalfa, hay, postharvest .....	50.0
Almond, postharvest .....	200.0
Apple, postharvest .....	5.0
Apricot, postharvest .....	20.0
Artichoke, jerusalem, postharvest .....	30.0
Asparagus, postharvest .....	100.0
Avocado, postharvest .....	75.0
Barley, grain, postharvest .....	50.0
Bean, lima, postharvest .....	50.0
Bean, postharvest .....	50.0
Bean, snap, succulent, postharvest .....	50.0
Bean, succulent, postharvest .....	50.0
Beet, garden, roots, postharvest .....	30.0
Beet, sugar, roots, postharvest .....	30.0
Blueberry, postharvest .....	20.0
Butternut, postharvest .....	200.0
Cabbage, postharvest .....	50.0
Cantaloupe, postharvest .....	20.0
Carrot, roots, postharvest .....	30.0
Cashew, postharvest .....	200.0
Cherry, sweet, postharvest .....	20.0
Cherry, tart, postharvest .....	20
Chestnut, postharvest .....	200.0
Cippolini, bulb, postharvest .....	50.0
Citron, citrus, postharvest .....	30.0
Cacao bean, roasted bean, postharvest .....	50.0
Coconut, copra, postharvest .....	100.0
Coffee, bean, green, postharvest .....	75.0
Corn, field, grain, postharvest .....	50.0
Corn, pop, postharvest .....	240.0
Corn, sweet, kernel plus cob with husks removed, postharvest .....	50.0
Cotton, undelinted seed, postharvest .....	200.0
Cucumber, postharvest .....	30.0
Cumin, seed, postharvest .....	100.0
Eggplant, postharvest .....	100.0
Garlic, postharvest .....	20.0
Ginger, postharvest .....	50.0
Grape, postharvest .....	100.0
Grapefruit, postharvest .....	20.0
Hazelnut, postharvest .....	30.0
Horseradish, postharvest .....	200.0
Kumquat, postharvest .....	30.0
Lemon, postharvest .....	30.0
Lime, postharvest .....	30.0
Mango, postharvest .....	20.0
Melon, honeydew, postharvest .....	20.0
Muskmelon, postharvest .....	20.0
Nectarine, postharvest .....	20.0
Nut, brazil, postharvest .....	200.0
Nut, hickory, postharvest .....	200.0
Nut, macadamia, postharvest .....	50.0
Oat, postharvest .....	30.0
Okra, postharvest .....	20.0
Onion, bulb, postharvest .....	20.0
Onion, green, postharvest .....	20.0
Orange, postharvest .....	30.0

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Commodity	Parts per million
Papaya, postharvest .....	20.0
Parsnip, roots, postharvest .....	30.0
Peach, postharvest .....	20.0
Peanut, postharvest .....	200.0
Pear, postharvest .....	5.0
Pea, blackeyed, postharvest .....	50.0
Pea, postharvest .....	50.0
Pecan, postharvest .....	200.0
Pepper, postharvest .....	30.0
Pimento, postharvest .....	30.0
Pineapple, postharvest .....	20.0
Pistachio, postharvest .....	200.0
Plum, postharvest .....	20.0
Pomegranate, postharvest .....	100.0
Potato, postharvest .....	75.0
Pumpkin, postharvest .....	20.0
Quince, postharvest .....	5.0
Radish, postharvest .....	30.0
Rice, grain, postharvest .....	50.0
Rutabaga, roots, postharvest .....	30.0
Rutabaga, tops, postharvest .....	30.0
Rye, grain, postharvest .....	50.0
Salsify, roots, postharvest .....	30.0
Sorghum, grain, grain, postharvest .....	50.0
Soybean, postharvest .....	200.0
Squash, summer, postharvest .....	30.0
Squash, winter, postharvest .....	20.0
Squash, zucchini, postharvest .....	20.0
Strawberry, postharvest .....	60.0
Sweet potato, postharvest .....	75.0
Tangerine, postharvest .....	30.0
Timothy, hay, postharvest .....	50.0
Tomato, postharvest .....	20.0
Turnip, roots, postharvest .....	30.0
Walnut, postharvest .....	200.0
Watermelon, postharvest .....	20.0
Wheat .....	50.0

(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

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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(n), 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]

**§ 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
Cacao 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

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Commodity	Parts per million
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 milli-

grams 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:

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(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-dimethylcyclopropane-carboxylate (pyrethrin 2), (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 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

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Commodity	Parts per million
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 appli-

cation 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 <sup>1</sup> .....	0.80	3/31/14
Peach .....	7.0	None
Strawberry .....	7.0	None

<sup>1</sup> No U.S. registrations as of September 23, 2009.

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(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

Commodity	Parts per million
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
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(m), 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:

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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, curcurbit, 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

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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
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) Time-limited tolerances are established for residues of the insecticidal fluorine compounds cryolite and synthetic cryolite (sodium aluminum fluoride) in or on the commodities as follows:

Commodity	Parts per million	Expiration/revocation date
Potato .....	2.0	11/21/01
Potato, processed potato waste .....	22.0	11/21/01

(3) 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

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Commodity	Parts per million
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(n), 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]

**§ 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 <sup>2</sup>

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Commodity	Parts per million
Hazelnut .....	0.50
Kiwifruit <sup>1</sup> .....	0.75
Lettuce .....	0.70
Melon .....	0.75
Mushroom .....	0.75 <sup>2</sup>
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

<sup>1</sup>There are no domestic registrations for kiwifruit as of March 6, 2002.

<sup>2</sup>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(m), 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 on GPO Access.

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

(a) *General.* Tolerances for residues of the insecticide *O,O*-dimethyl *S*-(4-oxo-

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1,2,3-benzotriazin-3(4*H*)-yl)methyl]phosphorothioate in or on the following raw agricultural commodities:

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

<sup>1</sup>There are no U.S. registrations as of October 30, 2009.

<sup>2</sup>There are no U.S. registrations as of September 30, 2012.

<sup>3</sup>There are no U.S. registrations since September 30, 2006.

<sup>4</sup>There are no U.S. registrations since September 30, 2008.

<sup>5</sup>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

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Commodity	Parts per million
Fruit, pome, group 11 .....	0.15
Olive .....	0.7
Orange .....	0.1
Pineapple <sup>1</sup> .....	0.05
Tangerine .....	0.1

<sup>1</sup> 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
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:

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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

Commodity	Parts per million	Expiration/revocation date
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
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

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(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(m), 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

Commodity	Parts per million
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'*-ethylene 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]

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(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 for residues of a fungicide which is a coordination product of zinc ion and maneb (manganese ethylene-bisdithiocarbamate) containing 20 percent manganese, 2.5 percent zinc, and 77.5 percent ethylene-bisdithiocarbamate (the whole product

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calculated as zinc ethylenebisdithiocarbamate), are established as follows:

Commodity	Parts per million
Apple .....	7
Asparagus (negligible residue) .....	0.1
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
Carrot, roots .....	2
Cattle, kidney .....	0.5
Cattle, liver .....	0.5
Celery .....	5
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
Cucumber .....	4
Fennel .....	10
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
Melon .....	4
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
Poultry, kidney .....	0.5
Poultry, liver .....	0.5
Quince .....	10
Rye, bran .....	20
Rye, grain .....	5
Rye, straw .....	25
Sheep, kidney .....	0.5
Sheep, liver .....	0.5
Squash, summer .....	4
Tomato .....	4
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.* A time-limited tolerance is established

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for combined residues of the fungicide mancozeb, calculated as zinc ethylenebisdithiocarbamate and its metabolite ETU 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 dates specified in the following table.

Commodity	Parts per million	Expiration/Revocation Date
Ginseng .....	2.0	12/31/10

(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]

**§ 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]

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### § 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-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

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Commodity	Parts per million
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
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 *O,O-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate; tolerances for residues.*

(a) *General.* Tolerances are established for the combined residues of the insecticide disulfoton, *O,O-diethyl S-[2-(ethylthio)ethyl] phosphorodithioate*; demeton-S, *O,O-diethyl S-[2-(ethylthio)ethyl] phosphorothioate*; disulfoton sulfoxide, *O,O-diethyl S-[2-*

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(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 disulfoton, in or on food commodities as follows:

Commodity	Parts per million	Expiration/Revocation Date
Barley, grain .....	0.2	1/30/10
Barley, straw .....	5.0	1/30/10
Bean, lima .....	0.75	None
Bean, snap, succulent .....	0.75	None
Broccoli .....	0.75	None
Brussels sprouts .....	0.75	None
Cabbage .....	0.75	None
Cattle, fat .....	0.05	1/30/10
Cattle, meat .....	0.05	1/30/10
Cattle, meat byproducts .....	0.05	1/30/10
Cauliflower .....	0.75	None
Coffee, green bean .....	0.2	None
Cotton, undelinted seed .....	0.75	None
Goat, fat .....	0.05	1/30/10
Goat, meat .....	0.05	1/30/10
Goat, meat byproducts .....	0.05	1/30/10
Grain, aspirated fractions .....	0.3	1/30/10
Hog, fat .....	0.05	1/30/10
Hog, meat .....	0.05	1/30/10
Hog, meat byproducts .....	0.05	1/30/10
Horse, fat .....	0.05	1/30/10
Horse, meat .....	0.05	1/30/10
Horse, meat byproducts .....	0.05	1/30/10
Lettuce, head .....	0.75	None
Lettuce, leaf .....	2	None
Milk .....	0.01	1/30/10
Peanut .....	0.1	1/30/10
Pepper .....	0.1	1/30/10
Potato .....	0.5	1/30/10
Sheep, fat .....	0.05	1/30/10
Sheep, meat .....	0.05	1/30/10
Sheep, meat byproducts .....	0.05	1/30/10
Spinach .....	0.75	10/14/09
Tomato .....	0.75	10/14/09
Wheat, grain .....	0.2	1/30/10
Wheat, hay .....	5.0	1/30/10
Wheat, straw .....	5.0	1/30/10

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

(c) *Tolerances with regional registrations.* Tolerances with regional registration are established for the combined residues of the insecticide disulfoton, *O,O*-diethyl *S*-[2-(ethylthio)ethyl] phosphorodithioate; 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 disulfoton, in or on food commodities as follows:

Commodity	Parts per million
Asparagus .....	0.1

(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]

**§ 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

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Commodity	Parts per million
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(m), 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
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(m), 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

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Commodity	Parts per million
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

Commodity	Parts per million
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 .....	0.01
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.* A time-limited tolerance is established for the indirect or inadvertent residues of diphenylamine in or on the following commodity:

Commodity	Parts per million	Expiration/Revocation Date
Pear .....	10	12/1/01

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

### § 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 <sup>1</sup> .....	5.0
Cranberry <sup>1</sup> .....	15.0
Cucumber <sup>1</sup> .....	2.0
Grape <sup>1</sup> .....	50.0
Grape, raisin <sup>1</sup> .....	80.0
Hop, dried cones .....	120.0
Lettuce <sup>1</sup> .....	50.0
Melon <sup>1</sup> .....	3.0
Onion, bulb <sup>1</sup> .....	2.0
Strawberry <sup>1</sup> .....	5.0
Tomato <sup>1</sup> .....	25.0

<sup>1</sup> No U.S. registrations.

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

(c) *Tolerances with regional registrations.* Tolerances with regional registrations as defined in § 180.1(m) 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 <sup>1</sup> .....	0.5
Cattle, meat <sup>1</sup> .....	0.2
Cattle, meat byproducts <sup>1</sup> .....	0.1

<sup>1</sup> There are no U.S. registrations for cattle commodities as of June 24, 1999.

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(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 2,6-dichloro-4-nitroaniline in or on the following raw agricultural commodities. Unless otherwise specified, these tolerances prescribed in this paragraph provide for residues from preharvest application only.

Commodity	Parts per million
Apricot, postharvest .....	20
Bean, snap, succulent .....	20
Carrot, roots, postharvest .....	10
Celery .....	15
Cherry, sweet, postharvest .....	20
Cucumber .....	5
Endive .....	10
Garlic .....	5
Grape .....	10
Lettuce .....	10
Nectarine, postharvest .....	20
Onion .....	10
Peach, postharvest .....	20
Plum, prune, fresh, postharvest .....	15
Potato .....	0.25
Rhubarb .....	10
Sweet potato, postharvest .....	10
Tomato .....	5

(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]

### § 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:

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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, lime .....	2.0
Bean, snap, succulent .....	2.0
Blueberry <sup>1</sup> .....	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

Commodity	Parts per million
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
Wheat, hay .....	2.0
Wheat, straw .....	2.0

<sup>1</sup> 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(m), 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

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Commodity	Parts per million
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 .....	0.05
Horse, fat .....	0.05
Horse, kidney .....	0.5
Horse, meat .....	0.05
Horse, meat byproducts, except kidney .....	0.05
Kiwi .....	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 .....	0.05
Onion, green .....	0.05
Papaya .....	0.05
Passionfruit .....	0.05
Pea and bean, dried shelled, except soybean, subgroup 6C, except guar bean .....	0.2
Pea and bean, succulent shelled, subgroup 6B .....	0.3
Pea, field, hay .....	0.05
Pea, field, vines .....	0.8
Peanut .....	0.05
Peanut, hay .....	0.2
Peppermint, tops .....	0.05
Persimmon .....	0.5
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

Commodity	Parts per million
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
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(n), 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 on GPO Access.

**§ 180.206 Phorate; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the insecticide phorate (*O,O*-diethyl *S*

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(ethylthio) methylphosphorodithioate), 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 <sup>1</sup> .....	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

<sup>1</sup> 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

Commodity	Parts per million
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
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- $\alpha\alpha\alpha$ -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

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Commodity	Parts per million
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]

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Commodity	Parts per million
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
Raspberry .....	0.20
Sheep, meat .....	0.03
Sheep, meat byproducts .....	0.03
Strawberry .....	0.25
Walnut .....	0.2

### § 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

(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

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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]

**40 CFR Ch. I (7-1-10 Edition)****§ 180.217 Ammoniates for [ethylenebis(dithiocarbamato)] zinc and ethylenebis [dithiocarbamic acid] bimolecular and trimolecular cyclic anhydrosulfides and disulfides; tolerances for residues.**

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

Commodity	Parts per million
Apple .....	2.0
Potato .....	0.5

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

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

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

[63 FR 57074, Oct. 26, 1998]

**§ 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

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Commodity	Parts per million
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 inadvertent 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.

Commodities	Parts per million	Expiration/Revocation date
Beet, sugar, tops .....	0.1	Do.
Corn, field, forage .....	0.1	Do.
Corn, field, grain .....	0.1	Do.
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.
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(n), are established

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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]

## § 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 post-harvest 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

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Commodity	Parts per million
Cotton, undelinted seed .....	0.1
Date, dried fruit .....	0.1
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 non-crop 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

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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)pyrazinedium) 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 .....	0.05
Canola, seed .....	0.05
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
Sorghum, grain, grain .....	2.0

Commodity	Parts per million
Soybean, seed .....	0.2

(2)(i) Tolerances are established for residues of the herbicide diquat (6,7-dihydrodipyrido(1,2-a:2'1'-c)pyrazinedium) (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)pyrazinedium) derived from application of the dibromide salt and calculated as the cation in or on the following food commodities:

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Commodity	Parts per million
Banana <sup>1</sup> .....	0.05
Coffee, bean, green <sup>1</sup> .....	0.05
Soybean, hulls .....	0.6

<sup>1</sup>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]

**§ 180.227 Dicamba; tolerances for residues.**

(a) *General.* (1) Tolerances are established for the combined residues of the herbicide dicamba (3,6-dichloro-*o*-anisic acid) and its metabolite 3,6-dichloro-5-hydroxy-*o*-anisic acid in or on the food commodities as follows:

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 .....	0.1
Sugarcane, molasses .....	2.0
Wheat, forage .....	90.0
Wheat, grain .....	2.0
Wheat, hay .....	40.0
Wheat, straw .....	30.0

(2) Tolerances are established for the combined residues of the herbicide dicamba (3,6-dichloro-*o*-anisic acid) and its metabolite 3,6-dichloro-2-hydroxybenzoic acid in or on the food commodities as follows:

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 the combined residues 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 in or on the food commodities as follows:

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]

**§ 180.228 S-Ethyl hexahydro-1*H*-azepine-1-carbothioate; tolerances for residues.**

(a) *General.* Tolerances are established for the herbicide S-ethyl hexahydro-1*H*-azepine-1-carbothioate in or on the following food commodities:

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Commodity	Parts per million	Expiration/Revocation Date
Rice, grain .....	0.1	9/1/09
Rice, straw .....	0.1	9/1/09

(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 69 FR 58083, Sept. 29, 2004]

**§ 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 the herbicide butylate in or on the following food commodities:

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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]

**§ 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]

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(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 diethyl 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-mercaptoproethyl) benzenesulfonamide including its oxygen analog *S*-(*O,O*-diisopropyl phosphorothioate) of *N*-(2-mercaptoproethyl) 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(m), are established for the residues of *S*-(*O,O*-diisopropyl phosphorodithioate) of *N*-(2-mercaptoproethyl) benzenesulfonamide including its oxygen analog *S*-(*O,O*-diisopropyl phosphorothioate) of *N*-(2-mercaptoproethyl) 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 <sup>1</sup> .....	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 <sup>1</sup> .....	15.0	None
Carrot, roots, postharvest .....	10.0	None
Citrus, oil .....	15.0	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 <sup>1</sup> .....	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

<sup>1</sup>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

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(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the combined residues of thiabendazole (2-(4-thiazolyl)benzimidazole) and its metabolite benzimidazole (free and conjugated), 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
Brussels sprout .....	0.05	12/31/09
Cabbage .....	0.05	12/31/09
Cauliflower .....	0.05	12/31/09
Lentil, seed .....	0.1	12/31/08

(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 on GPO Access.

## § 180.243 Propazine; tolerances for residues.

Tolerances are established for negligible residues (N) of the herbicide propazine (2-chloro-4,6-bis(isopropylamino)-s-triazine in or on the following raw agricultural commodities:

Commodity	Parts per million
Sorghum, forage .....	0.25(N)
Sorghum, grain, grain .....	0.25(N)
Sorghum, grain, stover .....	0.25(N)
Sorghum, sweet .....	0.25(N)

[43 FR 29121, July 6, 1978]

## § 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

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Commodity	Parts per million
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

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Commodity	Parts per million
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 <i>per se</i> ) .....	0.2	3/17/10
Cattle, kidney (of which no more than 0.05 ppm is tetrachlorvinphos <i>per se</i> ) .....	1.0	3/17/10
Cattle, liver (of which no more than 0.05 ppm is tetrachlorvinphos <i>per se</i> ) .....	0.5	3/17/10
Cattle, meat (of which no more than 2.0 ppm is tetrachlorvinphos <i>per se</i> ) .....	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 <i>per se</i> ) .....	0.2	3/17/10
Hog, fat (of which no more than 0.1 ppm is tetrachlorvinphos <i>per se</i> ) .....	0.2	3/17/10
Hog, kidney (of which no more than 0.05 ppm is tetrachlorvinphos <i>per se</i> ) .....	1.0	3/17/10
Hog, liver (of which no more than 0.05 ppm is tetrachlorvinphos <i>per se</i> ) .....	0.5	3/17/10
Hog, meat (of which no more than 2.0 ppm is tetrachlorvinphos <i>per se</i> ) .....	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 <i>per se</i> ) .....	0.05	3/17/10
Poultry, fat (of which no more than 7.0 ppm is tetrachlorvinphos <i>per se</i> ) .....	7.0	3/17/10
Poultry, liver (of which no more than 0.05 ppm is tetrachlorvinphos <i>per se</i> ) .....	2.0	3/17/10
Poultry, meat (of which no more than 3.0 ppm is tetrachlorvinphos <i>per se</i> ) .....	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

### § 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)
Cucurbit .....	0.2(N)
Dandelion, leaves .....	6
Endive .....	5
Grape .....	5
Grapefruit .....	2
Hop, dried cones <sup>1</sup> .....	12
Kale .....	6
Leek .....	3.0
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
Peach .....	5
Peanut .....	0.1(N)
Pecan .....	0.1
Pepper .....	2
Peppermint, tops .....	2
Pomegranate .....	0.2(N)
Rye, forage .....	10

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Commodity	Parts per million
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
Strawberry .....	2
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)
Watercress .....	6
Wheat, forage .....	10
Wheat, grain .....	1
Wheat, hay .....	10
Wheat, straw .....	10

<sup>1</sup>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(n), 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]

### § 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:

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Commodity	Parts per million (ppm)	Expiration/Revocation date	Commodity	Parts per million (ppm)	Expiration/Revocation date
Alfalfa, forage (of which no more than 5 ppm are carbamates) .....	10	12/31/09	Soybean (of which not more than 0.2 ppm is carbamates) .....	1.0	12/31/09
Alfalfa, hay (of which no more than 20 ppm are carbamates) .....	40	12/31/09	Soybean, forage (of which not more than 20.0 ppm are carbamates) ..	35.0	12/31/09
Banana .....	0.1	12/31/09	Soybean, hay (of which not more than 20.0 ppm are carbamates) ..	35.0	12/31/09
Barley, grain (of which not more than 0.1 ppm is carbamates) .....	0.2	12/31/09	Squash (of which not more than 0.6 ppm is carbamates) .....	0.8	12/31/09
Barley, straw (of which no more than 1.0 ppm is carbamates) .....	5.0	12/31/09	Sugarcane, cane .....	0.1	12/31/09
Beet, sugar, roots .....	0.1	12/31/09	Sunflower, seed (of which not more than 0.5 ppm is carbamates) .....	1.0	12/31/09
Beet, sugar, tops (of which no more than 1 ppm is carbamates) .....	2	12/31/09	Wheat, grain (of which not more than 0.1 ppm is carbamates) .....	0.2	12/31/09
Coffee, bean, green .....	0.1	12/31/09	Wheat, straw (of which not more than 1.0 ppm is carbamates) .....	5.0	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 are 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			
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			

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

(c) *Tolerances with regional registration.* Tolerances with regional registration, as defined in § 180.1(n), 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 on GPO Access.

**§ 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:

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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
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]

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(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n), 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]

**§ 180.261 *N-(Mercaptomethyl) phthalimide S-(O,O-dimethyl phosphorodithioate) and its oxygen analog; tolerances for residues.***

(a) *General.* Tolerances are established for the sum of the residues for the insecticide *N*-(mercaptomethyl) phthalimide *S*-(*O,O*-dimethyl phosphorodithioate) and its oxygen analog *N*-(mercaptomethyl) phthalimide *S*-(*O,O*-dimethyl phosphorothioate) in or on the following raw agricultural commodities:

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
Cotton, refined oil .....	0.2
Cotton, undelinted seed .....	0.1
Cranberry .....	10
Fruit, citrus, group 10 .....	5
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

Commodity	Parts per million
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, as defined in § 180.1(n), are established for the sum of the residue for the insecticide *N*-(mercaptomethyl) phthalimide *S*-(*O,O*-dimethyl phosphorodithioate) and its oxygen analog *N*-(mercaptomethyl) phthalimide *S*-(*O,O*-dimethyl phosphorothioate) in or on the following raw agricultural 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]

**§ 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) in or on the following raw agricultural commodities:

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, pop, grain .....	0.02
Corn, pop, 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

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Commodity	Parts per million
Pineapple .....	0.02
Potato .....	0.02
Spearmint, tops .....	0.02
Sugarcane, cane .....	0.02
Sweet potato, roots .....	0.02

(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 32237, 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]

**§ 180.263 Phosalone; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the insecticide phosalone, *S*-(6-chloro-3-(mercaptopethyl)-2-benzoxazolinone) *O,O*-diethyl phosphorodithioate, in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Apple <sup>1</sup> .....	10.0	9/30/13
Cherry <sup>1</sup> .....	15.0	9/30/13
Grape <sup>1</sup> .....	10.0	9/30/13
Peach <sup>1</sup> .....	15.0	9/30/13
Pear <sup>1</sup> .....	10.0	9/30/13
Plum, prune, fresh <sup>1</sup> .....	15.0	9/30/13

<sup>1</sup> 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 nematicide 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]

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(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
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

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Commodity	Parts per million
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(n), 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]

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 on GPO Access.

**§ 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.* A time-limited tolerance is established for residues of the insecticide formetanate hydrochloride (*m*-[[dimethylamino)methylene]amino]phenyl methylcarbamate hydrochloride) in connection with use of the

pesticide under section 18 emergency exemptions granted by EPA. The tolerances in this paragraph will expire and are revoked on the date specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Onion, dry bulb .....	0.02	12/31/09

(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]

**§ 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

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Commodity	Parts per million
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.* Time-limited tolerances are established for residues of phosphine resulting from the use of the rodenticide zinc phosphide in connection with use of the pesticide under FIFRA section 18 emergency exemptions granted by EPA. The tolerances are specified in the following table. The tolerances expire on the date specified in the table.

Commodity	Parts per million	Expiration/Revocation Date
Alfalfa, forage .....	1.0	12/31/05
Alfalfa, hay .....	1.0	12/31/05
Clover, forage .....	0.1	12/31/05
Clover, hay .....	0.1	12/31/05
Timothy, seed .....	0.1	12/31/05

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n), 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 3874, 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]

**§ 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 <sup>1</sup> .....	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

<sup>1</sup>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)

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Commodity	Parts per million
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<sub>2</sub>O<sub>3</sub>) 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(m), 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.* (1) Tolerances are established for residues of the pesticide picloram (4-amino-3,5,6-trichloropicolinic acid) from its application in the acid form or in the form of its potassium, triethylamine, or triisopropanolamine salts expressed as picloram in or on the following raw agricultural commodities:

Commodity	Parts per million
Barley, grain .....	0.5
Barley, straw .....	1.0
Cattle, fat .....	0.2
Cattle, kidney .....	5.0
Cattle, liver .....	0.5
Cattle, meat .....	0.2
Cattle, meat byproducts, except kidney and liver .....	0.2
Egg .....	0.05
Goat, fat .....	0.2
Goat, kidney .....	5.0
Goat, liver .....	0.5
Goat, meat .....	0.2
Goat, meat byproducts, except kidney and liver .....	0.2
Grain, aspirated fractions .....	4.0
Grass, forage .....	80.0
Hog, fat .....	0.2
Hog, kidney .....	5.0
Hog, liver .....	0.5
Hog, meat .....	0.2

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Commodity	Parts per million
Hog, meat byproducts, except kidney and liver ..	0.2
Horse, fat .....	0.2
Horse, kidney .....	5.0
Horse, liver .....	0.5
Horse, meat .....	0.2
Horse, meat byproducts, except kidney and liver	0.05
Milk .....	1.0
Oat, forage .....	0.5
Oat, grain .....	1.0
Oat, straw .....	0.05
Poultry, fat .....	0.05
Poultry, meat .....	0.05
Poultry, meat byproducts .....	0.05
Sheep, fat .....	0.2
Sheep, kidney .....	5.0
Sheep, liver .....	0.5
Sheep, meat .....	0.2
Sheep, meat byproducts, except kidney and liver ..	0.2
Wheat, forage .....	1.0
Wheat, grain .....	0.5
Wheat, straw .....	1.0

(2) Tolerances are established for residues of picloram [4-amino-3,5,6-trichloropicolinic acid] resulting from the application of the pesticide to growing crops in the following:

Commodity	Parts per million
Barley, pearly barley .....	3.0
Oat, groats/rolled oats .....	3.0
Wheat, bran .....	3.0
Wheat, germ .....	3.0
Wheat, middlings .....	3.0
Wheat, shorts .....	3.0

(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]

**§ 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

Commodity	Parts per million
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

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Commodity	Parts per million
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, curcurbit, 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]

**§ 180.294 Benomyl; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the fungicide benomyl (methyl 1-(butylcarbamoyl)-2-benzimidazolecarbamate) and its metabolites containing the benzimidazole moiety (calculated as benomyl) in or on the following raw agricultural commodities:

Commodity	Parts per million	Expiration/Revocation Date
Almond, hulls .....	1.0	1/1/07
Apple, postharvest .....	7.0	1/1/08
Apricot, postharvest .....	15.0	1/1/08
Banana, postharvest, not more than 0.2 ppm shall be present in the pulp after peel is removed and discarded .....	1.0	1/1/08
Barley, grain .....	0.2	1/1/08
Barley, straw .....	0.2	1/1/08
Bean .....	2.0	1/1/07
Beet, sugar, roots .....	0.2	1/1/07
Beet, sugar, tops .....	15.0	1/1/07
Blackberry .....	7.0	1/1/08
Blueberry .....	7.0	1/1/08
Boysenberry .....	7.0	1/1/08
Broccoli .....	0.2	1/1/06
Brussels sprouts .....	15.0	1/1/06
Cabbage .....	0.2	1/1/06
Cabbage, chinese, bok choy .....	10.0	1/1/06
Cabbage, chinese, napa .....	10.0	1/1/06
Carrot, roots .....	0.2	1/1/07
Cattle, fat .....	0.1	1/1/08
Cattle, meat .....	0.1	1/1/08
Cattle, meat byproducts .....	0.1	1/1/08
Cauliflower .....	0.2	1/1/06
Celery .....	3.0	1/1/07
Cherry, postharvest .....	15.0	1/1/08
Citrus, dried pulp .....	50.0	1/1/08
Collards .....	0.2	1/1/06
Corn, sweet, forage .....	0.2	1/1/08
Corn, sweet, kernel plus cob with husks removed .....	0.2	1/1/08
Corn, sweet, stover .....	0.2	1/1/08
Cucumber .....	1.0	1/1/07
Currant .....	7.0	1/1/08
Dewberry .....	7.0	1/1/08
Egg .....	0.1	1/1/08
Eggplant .....	0.2	1/1/09
Fruit, citrus, postharvest .....	10.0	1/1/08
Garlic .....	0.2	1/1/06
Goat, fat .....	0.1	1/1/08
Goat, meat .....	0.1	1/1/08
Goat, meat byproducts .....	0.1	1/1/08
Grape .....	10.0	1/1/08
Grape, raisin .....	50.0	1/1/08
Hog, fat .....	0.1	1/1/08
Hog, meat .....	0.1	1/1/08
Hog, meat byproducts .....	0.1	1/1/08
Horse, fat .....	0.1	1/1/08
Horse, meat .....	0.1	1/1/08
Horse, meat byproducts .....	0.1	1/1/08
Kale .....	0.2	1/1/06
Kohlrabi .....	0.2	1/1/06
Loganberry .....	7.0	1/1/08
Mango .....	3.0	1/1/08
Melon .....	1.0	1/1/07
Milk .....	0.1	1/1/08
Mushroom, postharvest .....	10.0	1/1/08
Mustard greens .....	0.2	1/1/06
Nectarine, postharvest .....	15.0	1/1/08
Nut .....	0.2	1/1/07
Oat, grain .....	0.2	1/1/08
Oat, straw .....	0.2	1/1/08
Peach, postharvest .....	15.0	1/1/08
Peanut .....	0.2	1/1/08
Peanut, hay .....	15.0	1/1/08
Pear, postharvest .....	7.0	1/1/08
Pepper .....	0.2	1/1/09
Pineapple, postharvest .....	35.0	1/1/08
Pistachio .....	0.2	1/1/07
Plum, postharvest .....	15.0	1/1/08
Plum, prune, fresh, postharvest .....	15.0	1/1/08
Poultry, fat .....	0.1	1/1/08

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following raw agricultural commodities:

Commodity	Parts per million	Expiration/Revocation Date
Poultry, liver .....	0.2	1/1/08
Poultry, meat .....	0.1	1/1/08
Poultry, meat byproducts, except liver .....	0.1	1/1/08
Pumpkin .....	1.0	1/1/07
Raspberry .....	7.0	1/1/08
Rice, grain .....	5.0	1/1/08
Rice, hulls .....	20.0	1/1/08
Rice, straw .....	15.0	1/1/08
Rutabaga .....	0.2	1/1/07
Rye, grain .....	0.2	1/1/08
Rye, straw .....	0.2	1/1/08
Sheep, fat .....	0.1	1/1/08
Sheep, meat .....	0.1	1/1/08
Sheep, meat byproducts .....	0.1	1/1/08
Soybean .....	0.2	1/1/07
Spinach .....	0.2	1/1/07
Squash, summer .....	1.0	1/1/07
Squash, winter .....	1.0	1/1/07
Strawberry .....	5.0	1/1/08
Sweet potato, roots .....	0.2	1/1/07
Tomato .....	5.0	1/1/09
Tomato, concentrated products .....	50.0	1/1/09
Turnip, roots .....	0.2	1/1/07
Wheat, grain .....	0.2	1/1/08
Wheat, straw .....	15.0	1/1/08

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

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n), are established for residues of the fungicide benomyl (methyl 1-[butylcarbamoyl]-2-benzimidazolecarbamate) and its metabolites containing the benzimidazole moiety (calculated as benomyl) in or on the raw agricultural commodities.

Commodity	Parts per million	Expiration/Revocation Date
Avocado .....	3.0	1/1/08
Dandelion, leaves .....	10.0	1/1/07
Papaya .....	3.0	1/1/08
Pistachio .....	0.2	1/1/07
Turnip, greens .....	6.0	1/1/07
Watercress .....	10.0	1/1/07

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

[52 FR 58536, Dec. 23, 1987, as amended at 52 FR 58538, Dec. 23, 2987; 53 FR 9024, Mar. 18, 1988; 59 FR 46354, Sept. 8, 1994; 63 FR 2167, Jan. 14, 1998; 67 FR 46905, July 17, 2002]

**§ 180.296 Dimethyl phosphate of 3-hydroxy-N-methyl-cis-crotonamide; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the insecticide Dimethyl phosphate of 3-hydroxy-N-methyl-cis-crotonamide in or on the

Commodity	Parts per million	Expiration/Revocation date
Cotton, undelinted seed .....	0.1	12/31/00
Peanut .....	0.05	12/31/00
Potato .....	0.1	12/31/00
Sugarcane, cane .....	0.1	12/31/00
Tomato .....	0.5	12/31/00
Tomato, concentrated products .....	2.0	12/31/00

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

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

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

[64 FR 19492, Apr. 21, 1999]

**§ 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-(mercaptopethyl-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

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Commodity	Parts per million
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(n), 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
Kiwi/fruit .....	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]

**§ 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

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(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
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

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Commodity	Parts per million
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(n), 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]

**§ 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

Commodity	Parts per million
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-thioxoamimidate, and its oxime metabolite methyl *N,N*-dimethyl-*N*-hydroxy-1-thioxoamimidate 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
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

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Commodity	Parts per million
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(n), 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 54484, Sept. 15, 2006]

**§ 180.311 Cacodylic acid; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the defoliant cacodylic acid (dimethylarsinic acid), ex-

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pressed as As<sub>2</sub>O<sub>3</sub>, in or on the following raw agricultural commodity as follows:

Commodity	Parts per million
Cotton, undelinted seed .....	2.8

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

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

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

[69 FR 6567, Feb. 11, 2004]

**§ 180.312 4-Aminopyridine; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the bird repellent 4-aminopyridine in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Corn, field, forage .....	0.1	1/15/06
Corn, field, grain .....	0.1	1/15/06
Corn, field, stover .....	0.1	1/15/06
Corn, pop, grain .....	0.1	1/15/06
Corn, pop, stover .....	0.1	1/15/06
Corn, sweet, forage .....	0.1	1/15/06
Corn, sweet, kernel plus cob with husks removed .....	0.1	1/15/06
Corn, sweet, stover .....	0.1	1/15/06
Sunflower, seed .....	0.1	1/15/06

(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 70 FR 55268, Sept. 21, 2005]

**§ 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]

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(c) *Tolerances with regional registrations.* Tolerances with a regional registration, as defined in 180.1(m), 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) Tolerances are established for residues of the insecticide methamidophos (*O,S*-dimethyl phosphoramidothioate) in or on the following raw agricultural commodities:

Commodity	Parts per million
Broccoli .....	1.0
Brussels sprouts .....	1.0
Cabbage .....	1.0
Cauliflower .....	1.0
Cotton, undelinted seed .....	0.1
Lettuce .....	1.0
Pepper .....	1.0
Potato .....	0.1
Tomato .....	1.0

(b) Tolerances with regional registration, as defined in § 180.1(n), are established for residues of methamidophos in or on the following raw agricultural commodities:

Commodity	Parts per million
Celery .....	1

[47 FR 13525, Mar. 31, 1982, as amended at 48 FR 44537, Sept. 29, 1983; 52 FR 33238, Sept. 2, 1987; 67 FR 49617, July 31, 2002; 74 FR 57081, Nov. 4, 2009]

**§ 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(2H)-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****40 CFR Ch. I (7-1-10 Edition)****§ 180.317 Propyzamide; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the herbicide propyzamide and its metabolites (containing the 3,5-dichlorobenzoyl moiety calculated as 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide) in or on the following food commodities:

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 .....	0.02
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
Peat .....	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.* Time-limited tolerances are established for the combined residues of the herbicide propyzamide and its metabolites (containing the 3,5-dichlorobenzoyl moiety calculated as 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide) in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Cranberry .....	0.05	12/31/09

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(m) are established for the combined residues of the herbicide propyzamide and its metabolites (containing the 3,5-dichlorobenzoyl moiety calculated as 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide) in or on the following food commodities:

Commodity	Parts per million
Pea, field, seed .....	0.05
Rhubarb .....	0.1

(d) *Indirect or inadvertent residues.* Tolerances are established for the combined indirect or inadvertent residues of the herbicide propyzamide and its metabolites (containing the 3,5-dichlorobenzoyl moiety calculated as 3,5-dichloro-N-(1,1-dimethyl-2-propynyl)benzamide) in or on the following food commodities:

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]

**§ 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

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Commodity	Parts per million
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 ethylenebisdiethiocarbamate)	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-nitrophenylthiophosphate) 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 (3,5-dibromo-4-hydroxybenzonitrile) resulting from application of its octanoic and/or heptanoic acid ester in or on the following 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

Commodity	Parts per million
Corn, field, stover .....	0.2
Corn, pop, grain .....	0.05
Corn, pop, stover .....	0.2
Flax, seed .....	0.1
Garlic .....	0.1
Grain, aspirated fractions .....	0.3
Grass, forage .....	3.0
Grass, hay .....	3.0
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 .....	0.5
Sorghum, grain, grain .....	0.05
Sorghum, grain, stover .....	0.2

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Commodity	Parts per million
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) 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 following 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 .....	0.1
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]

**§ 180.325 2-(m-Chlorophenoxy) propionic acid; tolerances for residues.**

(a) *General.* A tolerance is established for negligible residues of the plant regulator 2-(m-chlorophenoxy) propionic acid from application of the acid or of 2-(m-chlorophenoxy)propionamide in or on the following raw agricultural commodity:

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Commodity	Parts per million	Expiration/Revocation Date
Pineapple .....	0.3	2/1/07

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

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

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

[69 FR 43924, July 23, 2004]

**§ 180.328 Napropamide; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the herbicide napropamide, *N,N*-diethyl-2-(1-naphthalenyl) propionamide, in or on the following food commodities:

Commodity	Parts per million	Expiration/revocation date
Almond, hulls .....	0.1	None
Artichoke, globe .....	0.1	4/26/09
Asparagus .....	0.1	None
Avocado .....	0.1	4/26/09
Basil .....	0.1	None
Berry group 13 .....	0.1	None
Coffee, green bean .....	0.1	None
Cranberry .....	0.1	None
Fig .....	0.1	4/26/09
Fruit, citrus .....	0.1	4/26/09
Fruit, pome .....	0.1	4/26/09
Fruit, stone .....	0.1	4/26/09
Grape .....	0.1	None
Kiwi fruit .....	0.1	None
Marjoram .....	0.1	None
Nut, tree, group 14 .....	0.1	None
Olive .....	0.1	4/26/09
Peppermint, tops .....	0.1	None
Persimmon .....	0.1	None
Pistachio .....	0.1	04/26/09
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.* Tolerances are established for residues of the herbicide napropamide, *N,N*-diethyl-2-(1-naphthalenyl) propionamide, in or on the following food commodities:

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Commodity	Parts per million	Expiration/revocation date
Pomegranate .....	0.1	4/26/09

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

[73 FR 52614, Sept. 10, 2008]

**§ 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
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, undelined 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(m), 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

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Commodity	Parts per million
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(4H)-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

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Commodity	Parts per million
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 48387, 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; tolerance for residues.**

Tolerances are established for residues of the pesticide oxytetracycline in or on the following raw agricultural commodities:

Commodity	Parts per million
Apple .....	0.35
Peach .....	0.35
Pear .....	0.35

[60 FR 34871, July 5, 1995, as amended at 72 FR 62794, Nov. 7, 2007]

**§ 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:

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Commodity	Parts per million
Alfalfa, forage .....	0.5
Alfalfa, hay .....	2.0
Barley, grain .....	1.0
Barley, hay .....	40
Barley, straw .....	25
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 <sup>1</sup> .....	0.1
Grape <sup>1</sup> .....	0.1

<sup>1</sup> 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 Chloryrifos; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the pesticide chloryrifos *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

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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 max-

imum of 0.5 percent of the active ingredient by weight. A coarse, 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

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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(m), 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

Commodity	Parts per million
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(m) 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 the combined residues of the nematicide 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 in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Apple .....	0.25	12/31/09
Banana <sup>1</sup> .....	0.10	None
Brussels sprouts .....	0.05	12/31/09
Cabbage .....	0.10	12/31/09
Cherry, sweet .....	0.25	12/31/09
Cherry, tart .....	0.25	12/31/09

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Commodity	Parts per million	Expiration/Revocation Date
Citrus, dried pulp .....	2.5	None
Citrus, oil .....	25.0	None
Eggplant .....	0.05	12/31/09
Fruit, citrus, group 10 <sup>1</sup> .....	0.50	None
Garlic <sup>1</sup> .....	0.50	None
Grape <sup>1</sup> .....	0.10	None
Grape, raisin .....	0.30	None
Okra .....	0.30	12/31/09
Peach .....	0.25	12/31/09
Peanut .....	1.0	12/31/09
Pineapple <sup>1</sup> .....	0.30	None
Raspberry .....	0.10	12/31/09
Strawberry .....	0.60	12/31/09

<sup>1</sup>There are no U.S. registrations as of December 31, 2009.

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

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n), are established for the combined residues 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 in or on the following raw agricultural commodities:

Commodity	Parts per million	Expiration/Revocation Date
Asparagus .....	0.02	12/31/09
Beet, garden roots .....	1.5	12/31/09
Beet, garden, tops .....	1.0	12/31/09
Cabbage, Chinese, bok choy .....	0.50	12/31/09
Kiwiruit .....	0.10	12/31/09
Pepper, nonbell .....	0.60	12/31/09

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

[65 FR 33712, May 24, 2000, as amended at 73 FR 53739, Sept. 17, 2008]

**§ 180.350 Nitropyrin; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the soil microbicide nitropyrin [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

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Commodity	Parts per million
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; phosphorothioic acid, *S*-(*t*-butylsulfonyl)methyl *O,O*-diethyl ester; phosphorothioic acid, *S*-(*t*-butylsulfonyl)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 <sup>1</sup> .....	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

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Commodity	Parts per million
Corn, sweet, stover .....	0.5
Sorghum, grain, forage .....	0.5
Sorghum, grain, grain .....	0.05
Sorghum, grain, stover .....	0.5

<sup>1</sup> 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
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

Commodity	Parts per million
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(n), are established for 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:

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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 on GPO Access.

**§ 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-(2H)-pyridazinone) and its desmethyl metabolite 4-chloro-5-(amino)-2-alpha, alpha, alpha-trifluoro-m-tolyl)-3(2H)-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
Hazelnut .....	0.1
Hog, fat .....	0.1
Hog, liver .....	0.50
Hog, meat .....	0.1
Hog, meat byproducts, except liver .....	0.1
Grape .....	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

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Commodity	Parts per million
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 on GPO Access.

**§ 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]

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(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
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

Commodity	Parts per million
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 on GPO Access.

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### § 180.362 Hexakis (2-methyl-2-phenylpropyl)distannoxane; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of hexakis (2-methyl-2-phenylpropyl)distannoxane in or on the following raw agricultural commodities:

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
Strawberry .....	10.0

(2) Tolerances are established for the combined residues of hexakis (2-methyl-2-phenylpropyl)distannoxane and its organotin metabolites dihydroxybis(2-methyl-2-phenylpropyl)stannane, and 2-methyl-2-phenylpropylstannoic acid in or on the following raw agricultural commodities:

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.* Tolerances with regional reg-

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istration are established for residues of the insecticide hexakis [2-methyl-2-phenylpropyl] distannoxane and its organotin metabolites calculated as hexakis [2-methyl-2-phenylpropyl] distannoxane in or on the food commodities:

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]

### § 180.364 Glyphosate; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of glyphosate *N*-(phosphonomethyl)glycine 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 in or on the following food commodities:

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
Bilimbi .....	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, grain .....	0.1

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Commodity	Parts per million	Commodity	Parts per million
Cotton, gin byproducts .....	210	Persimmon .....	0.2
Cotton, undelinted seed .....	40	Pineapple .....	0.1
Cranberry .....	0.2	Pistachio .....	1.0
Crambe, seed .....	0.1	Pomegranate .....	0.2
Custard apple .....	0.2	Pulasan .....	0.2
Date, dried fruit .....	0.2	Quinoa, grain .....	5.0
Dokudami .....	2.0	Rambutan .....	0.2
Durian .....	0.2	Rapeseed, seed .....	20
Epazote .....	1.3	Rice, grain .....	0.1
Feijoa .....	0.2	Rice, wild, grain .....	0.1
Fig .....	0.2	Rose apple .....	0.2
Fish .....	0.25	Safflower, seed .....	85
Flax, meal .....	8.0	Salal .....	0.2
Flax, seed .....	4.0	Sapodilla .....	0.2
Fruit, citrus, group 10 .....	0.5	Sapote, black .....	0.2
Fruit, pome, group 11 .....	0.2	Sapote, mamey .....	0.2
Fruit, stone, group 12 .....	0.2	Sapote, white .....	0.2
Galangal, roots .....	0.2	Sesame, seed .....	0.1
Ginger, white, flower .....	0.2	Shellfish .....	3.0
Gourd, buffalo, seed .....	0.1	Soursop .....	0.2
Governor's plum .....	0.2	Spanish lime .....	0.2
Gow kee, leaves .....	0.2	Spearmint, tops .....	200
Grain, cereal, forage, fodder and straw, group 16, except field corn, forage and field corn, stover .....	100	Spice subgroup 19B .....	7.0
Grain, cereal, group 15 except field corn, popcorn, rice, sweet corn, and wild rice .....	30	Star apple .....	0.2
Grape .....	0.2	Starfruit .....	0.2
Grass, forage, fodder and hay, group 17 .....	300	Stevia, dried leaves .....	1.0
Guava .....	0.2	Strawberry .....	0.2
Herbs subgroup 19A .....	0.2	Sugar apple .....	0.2
Hop, dried cones .....	7.0	Sugarcane, cane .....	2.0
Ilama .....	0.2	Sugarcane, molasses .....	30
Imbe .....	0.2	Sunflower, seed .....	85
Imbu .....	0.2	Surinam cherry .....	0.2
Jaboticaba .....	0.2	Tamarind .....	0.2
Jackfruit .....	0.2	Tea, dried .....	1.0
Jojoba, seed .....	0.1	Tea, instant .....	7.0
Juneberry .....	0.2	Teff, grain .....	5.0
Kava, roots .....	0.2	Ti, leaves .....	0.2
Kenaf, forage .....	0.2	Ti, roots .....	0.2
Kiwifruit .....	0.2	Ugli fruit .....	0.5
Lesquerella, seed .....	0.2	Vegetable, bulb, group 3 .....	0.2
Leucaena, forage .....	0.2	Vegetable, cucurbit, group 9 .....	0.5
Lingonberry .....	0.2	Vegetable, foliage of legume, subgroup 7A, except soybean .....	0.2
Longan .....	0.2	Vegetable, fruiting, group 8 .....	0.1
Lychee .....	0.2	Vegetable, leafy, brassica, group 5 .....	0.2
Mamey apple .....	0.2	Vegetable, leafy, except brassica, group 4 .....	0.2
Mango .....	0.2	Vegetable, leaves of root and tuber, group 2, except sugar beet tops .....	0.2
Mangosteen .....	0.2	Vegetable, legume, group 6 except soybean and dry pea .....	5.0
Marmaladebox .....	0.2	Vegetable, root and tuber, group 1, except sugar beet .....	0.2
Meadowfoam, seed .....	0.1	Wasabi, roots .....	0.2
Mioga, flower .....	0.2	Water spinach, tops .....	0.2
Mustard, seed .....	0.2	Watercress, upland .....	0.2
Noni .....	0.2	Wax jambu .....	0.2
Nut, pine .....	1.0	Yacon, tuber .....	0.2
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		

(2) Tolerances are established for combined residues of glyphosate, *N*-(phosphonomethyl)glycine and its metabolite *N*-acetyl-glyphosate (expressed as glyphosate) 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 on the food commodities:

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Commodity	Parts per Million
Cattle, meat byproducts .....	5.0
Corn, field, forage .....	6.0
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 .....	4.0
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 on GPO Access.

**§ 180.367 *n*-Octyl bicycloheptene-dicarboximide; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide *n*-octyl bicycloheptene-dicarboximide, resulting from dermal application, in food commodities as follows:

Commodity	Parts per million
Cattle, fat .....	0.3
Goat, fat .....	0.3
Hog, fat .....	0.3
Horse, fat .....	0.3
Milk, fat .....	0.3
Sheep, fat .....	0.3

(2) *N*-octylbicycloheptene dicarboximide may be safely used in accordance with the following pre-scribed conditions:

(i) It is used in combination with piperonyl butoxide and pyrethrins for insect control in food-processing and food-storage areas, provided that the food is removed or covered prior to such use.

(ii) Residues in food resulting from the use described in paragraph (a)(2)(i) of this section shall not exceed 10 parts per million of *N*-octylbicycloheptene

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dicarboximide, 10 parts per million of piperonyl butoxide, and 1 part per million of pyrethrins.

(iii) 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.

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

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

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

[65 FR 33713, May 24, 2000]

**§ 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

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Commodity	Parts per million
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
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 the combined residues (free and bound) of the herbicide *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, each expressed as the parent compound, in or on the following raw agricultural commodities:

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
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
Egg .....	0.02
Garlic, bulb .....	0.10
Grain, aspirated fractions .....	0.70
Goat, fat .....	0.02
Goat, kidney .....	0.20

Commodity	Parts per million
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
Milk .....	0.02
Onion, bulb .....	0.10
Onion, green .....	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
Shallot, bulb .....	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
Sorghum, grain, forage .....	1.0
Sorghum, grain, grain .....	0.3
Sorghum, grain, stover .....	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
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 .....	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(m) 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:

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Commodity	Parts per million
Pepper, nonbell .....	0.50

(2) Tolerances with regional registration as defined in 180.1(m) are established for the combined residues (free and bound) of the herbicide *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, each expressed as the parent compound, in or on the following raw agricultural commodities:

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, *S*-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 .....	0.50
Oat, straw .....	0.50
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 .....	0.50
Wheat, straw .....	0.80

(2) Tolerances are established for the indirect or inadvertent combined residues (free and bound) of the herbicide *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, each expressed as the parent compound in or on the following food commodities:

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]

**§ 180.369 Difenoquat; tolerances for residues.**

(a) *General.* Tolerances are established for residues of difenoquat (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

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Commodity	Parts per million
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 the combined residues of thiophanate-methyl (dimethyl [(1,2-phenylene) bis (iminocarbonothioyl)] bis(carbamate)) and its metabolite methyl 2-benzimidazoyl carbamate (MBC), calculated as thiophanate-methyl in or on the following commodities:

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 .....	0.2
Beet, sugar, roots .....	0.2
Beet, sugar, tops .....	15.0
Cattle, fat .....	0.15
Cattle, meat .....	0.15
Cattle, meat byproducts .....	0.15
Cherry, sweet .....	20.0
Cherry, tart .....	20.0
Goat, fat .....	0.15
Goat, meat .....	0.15
Goat, meat byproducts .....	0.15
Grape .....	5.0
Horse, fat .....	0.15
Horse, meat .....	0.15
Horse, meat byproducts .....	0.15
Milk .....	0.15
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
Sheep, fat .....	0.15
Sheep, meat .....	0.15
Sheep, meat byproducts .....	0.15
Soybean, seed .....	0.2
Soybean, hulls .....	1.5
Strawberry .....	7.0
Sugarcane, cane .....	0.1
Vegetable, cucurbit, group 9 .....	1.0
Wheat, grain .....	0.1
Wheat, hay .....	0.1
Wheat, straw .....	0.1

(b) *Section 18 emergency exemptions.*  
Tolerances are established for the combined residues of thiophanate-methyl (dimethyl [(1,2-phenylene) bis (iminocarbonothioyl)] bis(carbamate)) and its metabolite methyl 2-benzimidazoyl carbamate (MBC), calculated as thiophanate-methyl in or on the following commodities:

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Commodity	Parts per million	Expiration/Revocation Date
Blueberry .....	1.5	6/30/09
Citrus .....	0.5	12/31/09
Cotton, gin byproducts .....	5.0	12/31/08
Cotton, undelinted seed .....	0.05	12/31/08
Mushroom .....	0.01	12/31/09
Vegetable, fruiting, group 8 .....	0.5	12/31/09

(c) *Tolerances with regional registrations.* Tolerances with a regional registration, as defined in 180.1(m), are established for the combined residues of thiophanate-methyl(dimethyl[(1,2-phenylene)bis(iminocarbonothioyl)]bis(carbamate)) and its metabolite methyl 2-benzimidazoyl carbamate (MBC), calculated as thiophanate-methyl in or on the following commodities:

Commodity	Parts per million
Canola, seed .....	0.1

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

[65 FR 33699, May 24, 2000, as amended at 67 FR 55150, Aug. 28, 2002; 67 FR 57753, Sept. 12, 2002; 72 FR 37654, July 11, 2007; 72 FR 71801, Dec. 19, 2007; 74 FR 636, Jan. 7, 2009]

**§ 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 <sup>1</sup> .....	1.0

<sup>1</sup> 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-

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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-chlorophenylurea 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

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(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
Wheat, aspirated grain fractions .....	30	12/31/08
Wheat, bran .....	0.10	12/31/08
Wheat, flour .....	0.10	12/31/08
Wheat, germ .....	0.10	12/31/08
Wheat, middlings .....	0.10	12/31/08
Wheat, shorts .....	0.10	12/31/08

(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 on GPO Access.

**§ 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

Commodity	Parts per million
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
Kiwi/fruit .....	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(m) 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:

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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]

**§ 180.379 Fenvalerate; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the insecticide fenvalerate, cyano(3-phenoxyphenyl)methyl-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate, in or on food commodities as follows:

Commodity	Parts per million	Expiration/Revocation Date
Almond .....	0.2	4/2/10
Almond, hulls .....	15.0	4/2/10
Apple .....	2.0	4/2/10
Artichoke, globe .....	0.2	4/2/10
Bean, dry, seed .....	0.25	4/2/10
Bean, snap, succulent .....	2.0	4/2/10
Broccoli .....	2.0	4/2/10
Blueberry .....	3.0	4/2/10
Cabbage .....	10.0	4/2/10
Caneberry subgroup 13A .....	3.0	4/2/10
Cantaloupe .....	1.0	4/2/10
Carrot, roots .....	0.5	4/2/10
Cattle, fat .....	1.5	4/2/10
Cattle, meat .....	1.5	4/2/10
Cattle, meat byproducts .....	1.5	4/2/10
Cauliflower .....	0.5	4/2/10
Collards .....	10.0	4/2/10
Corn, field, forage .....	50.0	4/2/10
Corn, field, grain .....	0.02	4/2/10
Corn, field, stover .....	50.0	4/2/10
Corn, pop, grain .....	0.02	4/2/10
Corn, pop, stover .....	50.0	4/2/10
Corn, sweet, forage .....	50.0	4/2/10
Corn, sweet, kernel plus cob with husks removed .....	0.1	4/2/10
Corn, sweet, stover .....	50.0	4/2/10
Cotton, undelinted seed .....	0.2	4/2/10
Cucumber .....	0.5	4/2/10
Currant .....	3.0	4/2/10
Eggplant .....	1.0	4/2/10
Elderberry .....	3.0	4/2/10
Fruit, stone, group 12 .....	10.0	4/2/10
Goat, fat .....	1.5	4/2/10
Goat, meat .....	1.5	4/2/10
Goat, meat byproducts .....	1.5	4/2/10
Gooseberry .....	3.0	4/2/10
Hazelnut .....	0.2	4/2/10
Hog, fat .....	1.5	4/2/10
Hog, meat .....	1.5	4/2/10
Hog, meat byproducts .....	1.5	4/2/10
Horse, fat .....	1.5	4/2/10
Horse, meat .....	1.5	4/2/10
Horse, meat byproducts .....	1.5	4/2/10
Huckleberry .....	3.0	4/2/10
Melon, honeydew .....	1.0	4/2/10

Commodity	Parts per million	Expiration/Revocation Date
Milk .....	0.3	4/2/10
Milk, fat .....	7.0	4/2/10
Muskmelon .....	1.0	4/2/10
Pea .....	1.0	4/2/10
Pea, dry, seed .....	0.25	4/2/10
Peanut .....	0.02	4/2/10
Pear .....	2.0	4/2/10
Pecan .....	0.2	4/2/10
Pepper .....	1.0	4/2/10
Potato .....	0.02	4/2/10
Pumpkin .....	1.0	4/2/10
Radish, roots .....	0.3	4/2/10
Radish, tops .....	8.0	4/2/10
Sheep, fat .....	1.5	4/2/10
Sheep, meat .....	1.5	4/2/10
Sheep, meat byproducts .....	1.5	4/2/10
Soybean, seed .....	0.05	4/2/10
Squash, summer .....	0.5	4/2/10
Squash, winter .....	1.0	4/2/10
Sugarcane, cane .....	2.0	4/2/10
Sunflower, seed .....	1.0	4/2/10
Tomato .....	1.0	4/2/10
Turnip, roots .....	0.5	4/2/10
Turnip, tops .....	20.0	4/2/10
Walnut .....	0.2	4/2/10
Watermelon .....	1.0	4/2/10

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

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

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

[74 FR 46698, Sept. 11, 2009]

**§ 180.380 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

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Commodity	Parts per million	Expiration/Revocation Date
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(1)(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

Commodity	Parts per million
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 .....	0.05
Horseradish .....	0.05
Kiwi/fruit .....	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 on GPO Access.

**§ 180.383****§ 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

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Commodity	Parts per million
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'-

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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(1H)-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 the combined residues of hexazinone (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione) and its plant metabolites; A [3-(4-hydroxycyclohexyl)-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], B [3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], C [3-(4-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], D [3-cyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione], and E [3-(4-hydroxycyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione] (calculated as hexazinone) in the following commodities:

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Commodity	Parts per million
Alfalfa, forage .....	2.0
Alfalfa, hay .....	8.0
Alfalfa, seed .....	2.0
Blueberry .....	0.6
Grass, forage .....	10.0
Pineapple .....	0.6

(2) Tolerances are established for the combined residues of hexazinone (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione) and its animal tissue metabolites; B [3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], and F (3-cyclohexyl-6-amino-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione) (calculated as hexazinone) in 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
Sheep, fat .....	0.1
Sheep, meat .....	0.1
Sheep, meat byproducts .....	0.1

(3) Tolerances are established for the combined residues of hexazinone (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione) and its metabolites; B [3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], C [3-(4-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], D [3-(3-cyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione], and E [3-(4-hydroxycyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione] (calculated as hexazinone) in milk:

Commodity	Parts per million
Milk .....	0.2

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

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n) and

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which excludes use of hexazinone on sugarcane in Florida, are established for the combined residues of hexazinone (3-cyclohexyl-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione) and its plant metabolites; A [3-(4-hydroxycyclohexyl)-6-(dimethylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], B [3-cyclohexyl-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], C [3-(4-hydroxycyclohexyl)-6-(methylamino)-1-methyl-1,3,5-triazine-2,4-(1H,3H)-dione], D [3-(3-cyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione], and E [3-(4-hydroxycyclohexyl)-1-methyl-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione] (calculated as hexazinone) in the following commodities:

Commodity	Parts per million
Sugarcane, cane .....	0.6
Sugarcane, molasses .....	4.0

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

[65 FR 33713, May 24, 2000, as amended at 71 FR 56399, Sept. 27, 2006]

**§ 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

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Commodity	Parts per million
Garlic .....	0.1
Ginseng .....	2.0
Ginseng, dried root .....	4.0
Grape .....	60.0
Grape, raisin .....	300
Kiwi .....	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

Commodity	Parts per million
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(n), 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 on GPO Access.

**§ 180.401 Thiobencarb; tolerances for residues.**

(a) Tolerances are established for the combined 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	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

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Commodity	Part per million
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) Tolerances with regional registration, as defined in § 180.1(n), 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

[47 FR 6833, Feb. 17, 1982, as amended at 56 FR 2440, Jan. 23, 1991]

**§ 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]

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(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

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Commodity	Parts per million
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]

**§ 180.406 Dimethipin; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the harvest growth regulator dimethipin (2,3-dihydro-5,6-dimethyl-1,4-dithiin 1,1,4,4-tetraoxide; CAS Reg. No. 55290-64-7) in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Cattle, meat .....	0.01	5/31/10
Cattle, meat byproducts .....	0.01	5/31/10
Cotton, undelinted seed .....	0.50	5/31/10
Goat, meat .....	0.01	5/31/10
Goat, meat byproducts .....	0.01	5/31/10
Hog, meat .....	0.01	5/31/10
Hog, meat byproducts .....	0.01	5/31/10
Horse, meat .....	0.01	5/31/10
Horse, meat byproducts .....	0.01	5/31/10
Sheep, meat .....	0.01	5/31/10
Sheep, meat byproducts .....	0.01	5/31/10

(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 52019, Sept. 12, 2007; 73 FR 54962, Sept. 24, 2008]

**§ 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
Cotton, hulls .....	0.8	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]

**§ 180.408 Metalaxyl; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the fungicide metalaxyl [N-(2,6-dimethylphenyl)-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:

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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 .....	3.0
Ginseng .....	0.4
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 .....	1.0
Grain, crop .....	2.0
Grape .....	6.0
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 .....	20.0
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 .....	1.0
Peanut, meal .....	2.0
Peanut, hulls .....	0.1
Pineapple .....	0.1
Pineapple, fodder .....	0.1
Pineapple, forage .....	0.1
Plum, prune, dried .....	4.0
Potato, chips .....	4.0

Commodity	Parts per million
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, foliage 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(n)) 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

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listed in paragraph (a) of this section and other non-food crops to read as follows:

Commodity	Parts 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]

### § 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]

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(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,  $\beta$ -(4-chlorophenoxy)- $\alpha$ -(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
Apple .....	1.0	7/25/10
Apple, wet pomace .....	4.0	7/25/10
Grape .....	1.0	7/25/10
Pear .....	1.0	7/25/10
Pineapple .....	2.0	None

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

(c) *Tolerances with regional registrations.* Tolerances with regional registrations, as defined in § 180.1(m), 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,  $\beta$ -(4-chlorophenoxy)- $\alpha$ -(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
Raspberry .....	2.0	7/25/10

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

[73 FR 54962, Sept. 24, 2008]

### § 180.411 Fluazifop-P-butyl; tolerances for residues.

(a) *General.* Tolerances are established for residues of the herbicide, 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-

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pyridinyl]oxy]phenoxy]propanoic acid, expressed as fluazifop, in or on the following commodities:

Commodity	Parts per million
Beans, dry, seed .....	50
Carrot, roots .....	2.0
Cattle, fat .....	0.05
Cattle, meat .....	0.05
Cattle, meat byproducts .....	0.05
Cotton, refined oil .....	0.2
Cotton, undelinted seed .....	0.1
Egg .....	0.05
Endive .....	6.0
Fruit, stone .....	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
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
Sheep, fat .....	0.05
Sheep, meat .....	0.05
Sheep, meat byproducts .....	0.05
Soybean, seed .....	2.5
Sweet potato, roots .....	0.05

(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, 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, expressed as fluazifop, in or on the following commodities:

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]

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**§ 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
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

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Commodity	Parts per million
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.**

**(c) Tolerances with regional registration.** Tolerances with regional registration, as defined in § 180.1(m), 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 on GPO Access.

**§ 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-propenoxy)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-propenoxy)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]**

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(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 (*N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine) in or on the following raw agricultural commodities:

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 <sup>1</sup> .....	0.3
Milk .....	0.05
Mushroom .....	1.0
Onion, bulb .....	0.2
Onion, green .....	3.0
Onion, potato .....	0.2
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

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Commodity	Parts per million
Vegetable, leafy, except brassica, group 4 .....	7.0
Vegetable, cucurbit, group 9 .....	1.0

<sup>1</sup>There are no U.S. registrations on mango as of May 4, 2000.

(2) The additive cyromazine (*N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine) may be safely used in accordance with the following prescribed conditions:

(i) It is 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.

(ii) It is used for control of flies in manure of treated chicken layer hens and chicken breeder hens.

(iii) 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) preslaughter interval.

(iv) To ensure safe use of the additive, the labeling of the pesticide formulation containing the feed additive shall conform to the labeling which is registered by the U.S. Environmental Protection Agency, and the additive shall be used in accordance with this registered labeling.

(v) Residues of cyromazine are not to exceed 5.0 parts per million (ppm) in poultry feed.

(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 cyromazine (*N*-cyclopropyl-1,3,5-triazine-2,4,6-triamine), in or on the raw agricultural commodities when present therein as a result of the application of cyromazine to growing crops listed in paragraph (a)(1) of this section.

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

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[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]

**§ 180.415 Aluminum tris (O-ethylphosphonate); tolerances for residues.**

(a) *General.* Tolerances are established for residues of the fungicide aluminum tris(*O*-ethylphosphonate) in or on the following food commodities:

Commodity	Parts per million	Expiration/Revocation Date
Avocado .....	25	None
Banana .....	3.0	None
Blueberry .....	40	12/31/00
Bushberry subgroup 13B .....	40	None
Caneberry subgroup 13A .....	0.1	None
Cranberry .....	0.5	None
Fruit, citrus, group 10 .....	5.0	None
Fruit, pome .....	10	None
Ginseng .....	0.1	None
Hop, dried cones .....	45	None
Juneberry .....	40	None
Lingonberry .....	40	None
Nut, macadamia .....	0.20	None
Onion, green .....	10.0	None
Pea, succulent .....	0.3	None
Pineapple .....	0.1	None
Pineapple, fodder .....	0.1	None
Pineapple, forage .....	0.5	None
Onion, bulb .....	40	None
Salal .....	75	None
Strawberry .....	3	None
Tomato .....	40	None
Turnip, greens .....	15	None
Turnip, roots .....	60	None
Vegetable, brassica, leafy, group 5	15	None
Vegetable, cucurbit, group 9 .....	100	None
Vegetable, leafy, except brassica, group 4 .....		

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

(c) *Tolerances with regional registrations.* Tolerances with regional registration, as defined in § 180.1(n), are established for residues of the fungicide aluminum tris(*O*-ethylphosphonate) in or on the following raw agricultural commodities:

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]

**§ 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 triethylamine 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-

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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 ( $\pm$ )alpha cyano-(3-phenoxyphenyl)methyl( $\pm$ )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

Commodity	Parts per million
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( $\pm$ )(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

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Commodity	Parts per million
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 .....	0.05
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

Commodity	Parts per million
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 [ $O_2O_2$ -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 .....	0.5
Poultry, meat byproducts .....	0.5
Rice, grain .....	6.0
Sheep, fat .....	0.5
Sheep, meat .....	0.5
Sweet rocket, seed .....	0.5

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Commodity	Parts per million
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) Tolerances are established for the combined residues (free and bound) of the herbicide fluridone (1-methyl-3-phenyl-5-[3-trifluoromethyl]phenyl)-4(1*H*)-5-[3-(trifluoromethyl)phenyl]-4(1*H*)-pyridinone) in fish and crayfish at 0.5 part per million.

(b) Tolerances are established for residues of the herbicide fluridone in the following raw agricultural commodities:

Commodity	Parts per million
Cattle, fat .....	0.05
Cattle, kidney .....	.1
Cattle, liver .....	.1
Cattle, meat .....	.05
Cattle, meat byproducts .....	.05
Egg .....	.05
Goat, fat .....	.05
Goat, kidney .....	.1
Goat, liver .....	.1
Goat, meat .....	.05

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Commodity	Parts per million
Goat, meat byproducts .....	.05
Hog, fat .....	.05
Hog, kidney .....	.1
Hog, liver .....	.1
Hog, meat .....	.05
Hog, meat byproducts .....	.05
Horse, fat .....	.05
Horse, kidney .....	.1
Horse, liver .....	.1
Horse, meat .....	.05
Horse, meat byproducts .....	.05
Milk .....	.05
Poultry, fat .....	.05
Poultry, kidney .....	.01
Poultry, liver .....	.01
Poultry, meat .....	.05
Poultry, meat byproducts .....	.05
Sheep, fat .....	.05
Sheep, kidney .....	.1
Sheep, liver .....	.1
Sheep, meat .....	.05
Sheep, meat byproducts .....	.05

(c) Tolerances are established in the following irrigated crops and crop groupings for residues of the herbicide fluridone resulting from use of irrigation water containing residues of 0.15 ppm following applications on or around aquatic sites. Where tolerances are established at higher levels from other uses of fluridone on the following crops, the higher tolerance also applies to residues in the irrigated commodity. The tolerances follow:

Commodity	Parts per million
Avocado .....	0.1
Citrus .....	.1
Cotton, undelinted seed .....	.1
Cucurbits .....	.1
Fruit, pome .....	.1
Fruit, small .....	.1
Fruit, stone .....	.1
Grain, crop .....	.1
Grass, forage .....	.15
Hop, dried cones .....	.1
Legume, forage .....	.15
Nut .....	.1
Vegetable, fruiting .....	.1
Vegetable, leafy .....	.1
Vegetable, root crop .....	.1
Vegetable, seed and pod .....	.1

[51 FR 12146, Apr. 9, 1986, as amended at 55 FR 29829, July 20, 1990]

**§ 180.421 Fenarimol; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the fungicide fenarimol, alpha-(2-chlorophenyl)-alpha-(4-chlorophenyl)-5-pyrimidinemethanol, in or on the following raw agricultural commodities:

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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

(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]

**§ 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

Commodity	Parts per million
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

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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.

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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, 2-(2-chlorophenyl)methyl-4,4-dimethyl-3-isoxazolidinone, in or on the following raw agricultural commodities:

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 on GPO Access.

## § 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-

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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-methoxyimidin-2-yl)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

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Commodity	Parts per million
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 the combined residues of the herbicide fenoxaprop-ethyl [( $\pm$ )-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], each expressed as fenoxaprop-ethyl, in or on the following raw agricultural commodities:

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, undelined 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 combined residues of the herbicide fenoxaprop-ethyl, [( $\pm$ )-ethyl 2-[4-[(6-chloro-2-benzoxazolyl)oxy]phenoxy]propanoic acid], and its metabolites (2-[4-[(6-chloro-2-

benzoxazolyl)oxy]phenoxy]propanoic acid and 6-chloro-2,3-dihydrobenzoxazol-2-one), each expressed as fenoxaprop-ethyl, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA, in or on the food commodities in the following table. The tolerances expire and are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Grass, forage .....	0.05	12/31/10
Grass, hay .....	0.05	12/31/10

(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]

**§ 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

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Commodity	Parts per million
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
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 on GPO Access.

**§ 180.432 Lactofen; tolerances for residues.**

(a) Tolerances are established for residues of the herbicide lactofen, 1-(carboethoxy)ethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, in or on the following raw agricultural commodities:

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 registrations, as defined in 180.1(n) are established for residues of the herbicide, lactofen, 1-(carboethoxy)ethyl 5-[2-chloro-4-(trifluoromethyl)phenoxy]-2-nitrobenzoate, in or on the following food commodities:

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]

**§ 180.433 Fomesafen; tolerances for residues.**

(a) *General.* Tolerances are established for the residues of fomesafen 5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide from the application of its sodium salt in or on the following commodities:

Commodity	Parts per million
Bean, dry .....	0.05
Bean, snap, succulent .....	0.05
Cotton, gin byproducts .....	0.025
Cotton, undelinted seed .....	0.025
Soybean .....	0.05

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

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

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

[71 FR 25951, May 3, 2006, as amended at 72 FR 52020, Sept. 12, 2007]

**§ 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
Berry group 13 .....	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	
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 .....	0.05
Goat, meat .....	0.05
Goat, meat byproducts, except liver and kidney	
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	
Leaf petioles subgroup 4B .....	5.0
Milk .....	0.05
Mushroom .....	0.05
Nut, tree, group 14 .....	5.0
Oat, forage .....	0.1
Oat, grain .....	0.1
Oat, hay .....	1.7
	0.3
	1.4

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Commodity	Parts per million
Oat, straw .....	10
Onion, bulb .....	0.2
Onion, green .....	9.0
Parsley, fresh leaves .....	13
Parsley, dried leaves .....	35
Peanut .....	0.2
Peanut, hay .....	20
Peppermint, tops .....	3.5
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 .....	3.5
Strawberry .....	1.3
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
Nectarine .....	2.0	12/31/10
Peach .....	2.0	12/31/10

(c) *Tolerances with regional registrations.* A tolerance with regional registration, as defined in § 180.1(m), 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-

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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]

**§ 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(1*R*,3*S*)-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

Commodity	Parts per million
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] as follows:

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(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]

**§ 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)-2,2dimethylcyclopropane-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
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

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Commodity	Parts per million
Peanut .....	0.01
Peanut, hay .....	6.0
Pepper .....	0.5
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. 69359-37-5) 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 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 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

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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*)- $\alpha$ -cyano-4-fluoro-3-phenoxybenzyl (1*S*,3*S*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (*S*)- $\alpha$ -cyano-4-fluoro-3-phenoxybenzyl (1*R*,3*R*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate with the enantiomeric pair (*R*)- $\alpha$ -cyano-4-fluoro-3-phenoxybenzyl (1*S*,3*R*)-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate and (*S*)- $\alpha$ -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

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Commodity	Parts per million
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
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]

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(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 on GPO Access.

**§ 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)- $\alpha$ -cyano-3-phenoxybenzyl-(*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)- $\alpha$ -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)- $\alpha$ -cyano-3-phenoxybenzyl-(*Z*)-(1*S*,3*S*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)- $\alpha$ -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
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

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Commodity	Parts per million
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<sup>1</sup> are established for the combined residues of the pyrethroid [gamma-cyhalothrin (the isolated active isomer of lambda-cyhalothrin) (S)-'-cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate) and its epimer (R)-'-cyano-3-phenoxybenzyl (Z)-(1R,3R)-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

Commodity	Parts per million
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
Vegetable, 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

<sup>1</sup> 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 lambda-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.* Time-limited tolerances are established for combined residues of the insecticide lambda-cyhalothrin (a 1:1 mixture of (S)-alpha-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-alpha-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-

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enyl)-2,2-dimethylcyclopropanecarboxylate and its epimer a 1:1 mixture of (*S*)- $\alpha$ -cyano-3-phenoxybenzyl-(*Z*)-(1*S*,3*S*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (*R*)- $\alpha$ -cyano-3-phenoxybenzyl-(*Z*)-(1*R*,3*R*)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate 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
Barley, bran .....	0.2	12/31/08
Barley, grain .....	0.05	12/31/08
Barley, hay .....	2.0	12/31/08
Barley, straw .....	2.0	12/31/08
Clover, forage .....	5.0	12/31/08
Clover, hay .....	6.0	12/31/08
Grass, forage .....	5.0	12/31/08
Grass, hay .....	6.0	12/31/08
Rice, wild, grain .....	1.0	12/31/08

(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]

**§ 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

Commodity	Parts per million
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-tetrafluoro-4-methylphenyl)methyl-(1 alpha, 3 alpha)-(Z)-(±)-3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate) and its metabolite (Z)-3-(2-chloro-3,3,3-trifluoro-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

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Commodity	Parts per million
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), quizalofop-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

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Commodity	Parts per million
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 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 on the following raw agricultural commodities:

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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(n), 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]

**§ 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 <sup>1</sup> .....	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

Commodity	Parts per million
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

<sup>1</sup> 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-dimethylcyclopropane-carboxylate, as follows:

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(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.

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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 on GPO Access.

**§ 180.443 Myclobutanil; tolerances for residues.**

(a) *General.* Tolerances are established for combined residues of the fungicide myclobutanil alpha-butyl-alpha-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile and its alcohol metabolite (alpha-(3-hydroxybutyl)-alpha-(4-chlorophenyl)-1H-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

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Commodity	Parts per million
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

Commodity	Parts per million
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 on GPO Access.

**§ 180.444 Sulfur dioxide; tolerances for residues.**

A tolerance is established as follows for sulfite residues of the fungicide sulfur dioxide (determined as (SO<sub>2</sub>)) 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.* Tolerances are established for residues of the fungicide myclobutanil alpha-butyl-alpha-(4-chlorophenyl)-1H-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

(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 (3,6-bis(2-chlorophenyl)-

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1,2,4,5-tetrazine) in or on the following raw agricultural commodities:

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 the combined residues of clofentezine and the 3-(2-chloro-4-hydroxyphenyl)-6-(2-chlorophenyl)-1,2,4,5-tetrazine metabolite in or on the following commodities:

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
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 18, 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]

**§ 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-

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(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 <sup>1</sup> .....	0.10
Soybean .....	0.1
Vegetable, legume, group 6 .....	0.1

<sup>1</sup> 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

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Commodity	Parts per million
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(n) 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]

**§ 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, except plum .....	1.0

Commodity	Parts per million
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 .....	0.10
Plum, prune, dried .....	0.40
Plum, prune, fresh .....	0.10
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 40 CFR 180.1(n), 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.

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Commodity	Parts per million
Corn, field, forage .....	6.0
Corn, field, grain .....	0.02
Corn, field, stover .....	2.5
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 on GPO Access.

**§ 180.449 Avermectin B<sub>1</sub> and its delta-8,9-isomer; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the insecticide avermectin B<sub>1</sub> (a mixture of avermectins containing greater than or equal to 80% avermectin B<sub>1a</sub> (5-O-demethyl avermectin A<sub>1</sub>) and less than or equal to 20% avermectin B<sub>1b</sub> (5-O-demethyl-25-de(1-methylpropyl)-25-(1-methylethyl) avermectin A<sub>1</sub>)) 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

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Commodity	Parts per million
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
Vegetable, tuberous and corm, subgroup 01C .....	0.01
Strawberry .....	0.02
Vegetable, cucurbit, group 9 .....	0.005
Vegetable, fruiting, group 8 .....	0.020
Vegetable, leafy, except brassica, group 4 .....	0.10

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the residues of avermectin B<sub>1</sub> and its 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	12/31/10
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 on GPO Access.

**§ 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  $\beta$ -(4-chlorophenoxy)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol (triadimenol) and its butanediol metabolite, 4-(4-chlorophenoxy)-2,2-dimethyl-4-(1H-1,2,4-triazol-1-yl)-1,3-butanediol, calculated as triadimenol, in or on the following commodities:

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Commodity	Parts per million	Expiration/Revocation Date
Banana <sup>1</sup> .....	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
Sorghum, grain, forage .....	0.05	9/11/10
Sorghum, grain, grain .....	0.01	9/11/10
Sorghum, grain, stover .....	0.01	9/11/10
Wheat, forage .....	2.5	None
Wheat, grain .....	0.05	None
Wheat, straw .....	0.2	None

<sup>1</sup> 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]

**§ 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

Commodity	Parts per million
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(n) 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]

**§ 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-methoxycarbonyl phenylsulfonyl) 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

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Commodity	Parts per million
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

Commodity	Parts per million
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.* [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-, 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.

(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/Revocation 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
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

[59 FR 42514, Aug. 18, 1994]

**§ 180.456 Oxadixyl; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the fungicide oxadixyl [2-methoxy-*N*-(2-oxo-1,3-oxazolidin-3-yl)-acet-2',6'-xylidide] and its desmethyl (M-3) metabolite (2-hydroxy-*N*-(2-oxo-1,3-

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oxazolidin-3-yl)-acet-2',6'-xylidide), calculated as oxadixyl in or on the following raw agricultural commodities:

Commodity	Parts per million	Expiration/Revocation Date
Animal feed, nongrass, group, 18 ...	0.1	9/27/03
Cotton, undelinted seed .....	0.1	9/27/03
Grain, cereal, group 15, except wheat .....	0.1	9/27/03
Grass, forage, fodder and hay, group 17 .....	0.1	9/27/03
Pea .....	0.1	9/27/03
Soybean .....	0.1	9/27/03
Sunflower, seed .....	0.1	9/27/03
Vegetable, brassica, leafy, group 5	0.1	9/27/03
Vegetable, cucurbit, group 9 .....	0.1	9/27/03
Vegetable, fruiting, group 8 .....	0.1	9/27/03
Vegetable, leafy, except brassica, group 4 .....	0.1	9/27/03
Vegetable, root and tuber, group 1	0.1	9/27/03

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

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

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

[67 FR 45642, July 10, 2002]

**§ 180.457 Bitertanol; tolerances for residues.**

(a) *General.* A tolerance is established for the residues of the fungicide bitertanol,  $\beta$ -(1,1'-biphenyl)-4-yloxy)- $\alpha$ -(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol, in or on the following raw agricultural commodity:

Commodity	Parts per million
Banana <sup>1</sup> .....	0.5

<sup>1</sup> 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.* (1) Tolerances are established for the combined residues of the herbicide clethodim ((E)-( $\pm$ )-2-[1-[(3-chloro-2-propenyl)oxy]imino]propyl)-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one) and its metabolites containing the 2-cyclohexen-1-one moiety

in or on the following raw agricultural commodities.

Commodity	Parts per million
Cattle, fat .....	0.2
Cattle, meat .....	0.2
Cattle, meat byproducts .....	0.2
Cotton, undelinted seed .....	1.0
Egg .....	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
Potato .....	0.5
Poultry, fat .....	0.2
Poultry, meat .....	0.2
Poultry, meat byproducts .....	0.2
Sheep, fat .....	0.2
Sheep, meat .....	0.2
Sheep, meat byproducts .....	0.2
Soybean .....	10.0

(2) Tolerances are established for the combined residues of the herbicide clethodim ((E)-( $\pm$ )-2-[1-[(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)cyclohexen-3-one and 5-(2-ethylthiopropyl)-5-hydroxycyclohexen-3-one moieties and their sulphoxides and sulphones, expressed as clethodim tolerance residues for the following commodities.

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
Corn, field, forage .....	0.2
Corn, field, grain .....	0.2
Corn, field, stover .....	0.2
Cranberry .....	0.50
Clover, forage .....	10.0
Clover, hay .....	20.0
Flax, meal .....	1.0
Flax seed .....	0.6
Herb subgroup 19A .....	12.0
Hop, dried cones .....	0.5
Leaf petioles subgroup 4B .....	0.60
Leafy greens subgroup 4A .....	2.0
Melon subgroup 9A .....	2.0

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Commodity	Parts per million
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, granules/flakes .....	2.0
Radish, tops .....	0.70
Safflower, meal .....	10.0
Safflower, seed .....	5.0
Sesame, seed .....	0.35
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

(3) Tolerances are established for residues of the herbicide clethodim ((E)- $\pm$ -2-[1-[(3-chloro-2-propenyl)oxy]imino]propyl]-5-[2-(ethylthio)propyl]-3-hydroxy-2-cyclohexen-1-one) and its metabolites containing the 2-cyclohexen-1-one moiety in or on the following feeds.

Feed	Parts per million
Cotton, meal .....	2.0
Soybean, soapstock .....	15.0

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

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

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

[59 FR 4835, Feb. 2, 1994]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 180.458, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and on GPO Access.

**§ 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:

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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-1,4-4-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 emergency 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]

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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/insecticide cadusafos.

[59 FR 39467, Aug. 3, 1994]

**§ 180.462 Pyridate; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the herbicide pyridate (*O*-(6-chloro-3-phenyl-4-pyridazinyl)-*S*-octyl-carbonothioate), the metabolite 6-chloro-3-phenyl-pyridazine-4-ol and conjugates of 6-chloro-3-phenyl-pyridazine-4-ol, expressed as pyridate, in or on the following raw agricultural commodities:

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]

**§ 180.463 Quinclorac; tolerances for residues.**

(a) *General.* Tolerances are established for residues of quinclorac (3,7-

dichloro-8-quinoline carboxylic acid) in or on the following food commodities:

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
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 specified in the following table are established for residues of quinclorac, 3,7-dichloro-8-quinolinecarboxylic acid 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
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]

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**§ 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 .....	0.01
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:

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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 <sup>1</sup>	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

<sup>1</sup>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-tetramethyl cyclopropanecarboxylate) 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

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Commodity	Parts per million
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.**

Tolerances are established for residues of the herbicide flumetsulam, *N*-(2,6-difluorophenyl)-5-methyl-(1,2,4)-triazolo-[1,5a]-pyrimidine-2-sulfonamide, in or on the following raw agricultural commodities:

Commodity	Parts per million
Bean, dry .....	0.05
Corn, field, grain .....	0.05
Corn, field, forage .....	0.05
Corn, field, stover .....	0.05
Soybean .....	0.05

[58 FR 57967, Oct. 28, 1993, as amended at 71 FR 58518, Oct. 4, 2006]

**§ 180.469 Dichlormid; tolerances for residues.**

(a) *General.* Tolerances are established for residues of dichlormid; (Acetamide, 2,2-dichloro-*N,N*-di-2-propenyl) (CAS Reg. No. 37764-25-3) when used as an inert ingredient (herbicide safener) in pesticide formulations in or on the following food commodities:

Commodity	Parts per million	Expiration/revocation date
Corn, field, forage .....	0.05	12/31/10
Corn, field, grain .....	0.05	12/31/10
Corn, field, stover .....	0.05	12/31/10
Corn, pop, grain .....	0.05	12/31/10
Corn, pop, stover .....	0.05	12/31/10
Corn, sweet, forage .....	0.05	12/31/10
Corn, sweet, kernel plus cob with husks removed .....	0.05	12/31/10
Corn, sweet, stover .....	0.05	12/31/10

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

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

**§ 180.470****40 CFR Ch. I (7-1-10 Edition)****(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]

**§ 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

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Commodity	Parts per million
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
Cranberry .....	0.05
Currant .....	3.5
Custard apple .....	0.30
Egg .....	0.02

Commodity	Parts per million
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

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Commodity	Parts per million
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 non-food 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

**§ 180.473 Glufosinate ammonium; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the herbicide glufosinate-ammonium (butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-monoammonium salt) and its metabolites, 2-acetamido-4-methylphosphinico-butanoic acid and 3-methylphosphinico-propionic acid, expressed as 2-amino-4-(hydroxymethylphosphinyl)butanoic acid equivalents, in or on the following food commodities:

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]

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

(d) *Indirect or inadvertent residues.* Tolerances are established for indirect or inadvertent residues of the herbicide glufosinate ammonium, butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt and its metabolite, 3-methylphosphinicpropionic acid in or on the following raw agricultural commodities when present therein as a result of the application of glufosinate ammonium to crops listed in paragraph (a) of this section:

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]

**§ 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)-1H-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

Commodity	Parts per million
Coffee, green bean <sup>1</sup> .....	0.15
Coffee, roasted bean <sup>1</sup> .....	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

<sup>1</sup>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)-1H-1,2,4-triazole-1-ethanol) and its diol metabolite (1-(4-chlorophenyl)-4,4-dimethyl-3-(1H-1,2,4-triazole-1-yl-methyl)-pentane-3,5-diol), calculated as the stoichiometric equivalent of tebuconazole, in or on the commodity.

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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 on GPO Access.

**§ 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]-1*H*-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
Banana <sup>1</sup> .....	0.2
Barley, grain .....	0.1
Barley, hay .....	0.05
Barley, straw .....	0.05
Beet, sugar .....	0.3
Beet, sugar, dried pulp .....	1.9

Commodity	Parts per million
Brassica, head and stem, subgroup 5A .....	1.9
Brassica, leafy green, subgroup 5B .....	35
Canola, seed .....	0.01
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
Grape .....	4.0
Grape, raisin .....	6.0
Nut, tree, group 14 .....	0.03
Onion, bulb, subgroup 3-07A .....	0.20
Onion, green, subgroup 3-07B .....	6.0
Papaya <sup>1</sup> .....	0.30
Pistachio .....	0.03
Potato, processed waste .....	0.04
Rye, grain <sup>1</sup> .....	0.1
Vegetable, cucurbit, group 9 .....	0.70
Vegetable, fruiting, group 8 .....	0.60
Vegetable, tuberous and corm, subgroup 1C .....	0.01
Wheat, forage .....	0.1
Wheat, grain .....	0.1
Wheat, straw .....	0.1

<sup>1</sup>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 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-chlorophenoxy)phenyl]-2-[1,2,4]triazol-1-yl-ethanol, in the following commodities:

Commodity	Parts per million
Cattle, fat .....	0.10
Cattle, liver .....	0.20
Cattle, meat .....	0.05
Cattle, meat byproduct (except liver) .....	0.10
Eggs .....	0.10
Goat, fat .....	0.10
Goat, liver .....	0.20
Goat, meat .....	0.05
Goat, meat byproduct (except liver) .....	0.10
Hog, fat .....	0.10
Hog, liver .....	0.20
Hog, meat .....	0.05
Hog, meat byproduct (except liver) .....	0.10
Horse, fat .....	0.10
Horse, liver .....	0.20
Horse, meat .....	0.05
Horse, meat byproduct (except liver) .....	0.10
Milk .....	0.01
Sheep, fat .....	0.10
Sheep, liver .....	0.20
Sheep, meat .....	0.05
Sheep, meat byproduct (except liver) .....	0.10

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(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]

**§ 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)-1H-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
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)-1H-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.* Time limited tolerances are established for the residues triflumizole (1-(1-((4-chloro-2-(trifluoromethyl)phenyl)imino)-2-propoxyethyl)-1H-imidazole) and its metabolites containing the 4-chloro-2-trifluoromethylaniline moiety, calculated as the parent 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
Cabbage, chinese, napa .....	20	12/31/09
Kohlrabi .....	20	12/31/09

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

**§ 180.477****(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]

**§ 180.477 Flumiclorac pentyl; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the herbicide flumiclorac pentyl, [2-chloro-4-fluoro-5-(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isindol-2-yl)phenoxy]-acetate, in or on the raw agricultural commodities listed below.

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]

**§ 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

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Commodity	Parts per million
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 3-chloro-5-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl] amino]sulfonyl]-1-methyl-1*H*-pyrazole-4-carboxylate, and 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 halosulfuron-methyl residues convertible to 3-chloro-1-methyl-5-sulfamoylpyrazole-4-carboxylic acid, 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 and 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 halosulfuron-methyl, methyl 3-chloro-5-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonyl] amino]sulfonyl]-1-methyl-1*H*-pyrazole-4-carboxylate, in or on the commodity.

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Commodity	Parts per million
Alfalfa, forage .....	1.0
Alfalfa, hay .....	2.0
Almond, hulls .....	0.2
Asparagus .....	0.8
Bean, dry, seed .....	0.05
Bean, snap, succulent .....	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
Pistachio .....	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

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of halosulfuron-methyl, methyl 5-[(4,6-dimethoxy-2-pyrimidinyl)amino] carbonylaminosulfonyl-3-chloro-1-methyl-1*H*-pyrazole-4-carboxylate, in connection with use of the pesticide under FIFRA section 18 emergency exemptions granted by EPA in or on the following commodity:

Commodity	Parts per million	Expiration/revocation date
Sweet potato .....	1.0	12/31/08

(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]

**§ 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-

(1*H*-1,2,4-triazole)-1-propanenitrile, and its metabolites RH-9129, cis-5-(4-chlorophenyl)-dihydro-3-phenyl-3-(1*H*-1,2,4-triazole-1-ylmethyl)-2-3*H*-furanone, and RH-9130, trans-5-(4-chlorophenyl)dihydro-3-phenyl-3-(1*H*-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 <sup>1</sup> .....	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

<sup>1</sup>There are no United States registrations for grape as of August 2006.

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for fenbuconazole [alpha-[2-(4-chlorophenyl)-ethyl]alpha-phenyl-3-(1*H*-1,2,4-triazole-1-propanenitrile] and its metabolites, cis-5-(4-chlorophenyl)-dihydro-3-phenyl-3-(1*H*-1,2,4-triazole-1-ylmethyl)-2-3*H*-furanone and trans-5-(4-chlorophenyl)dihydro-3-phenyl-3-(1*H*-1,2,4-triazole-1-ylmethyl)-2-3*H*-furanone, expressed as fenbuconazole in or on the following raw agricultural commodities in connection with use of the pesticide under a section 18 exemption granted by EPA. The time-limited tolerances will expire on the date specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Cattle, fat .....	0.01	12/31/08
Cattle, meat .....	0.01	12/31/08

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Commodity	Parts per million	Expiration/revocation date
Goat, fat .....	0.01	12/31/08
Goat, meat .....	0.01	12/31/08
Hog, fat .....	0.01	12/31/08
Hog, meat .....	0.01	12/31/08
Hog, meat byproducts .....	0.01	12/31/08
Horse, fat .....	0.01	12/31/08
Horse, meat .....	0.01	12/31/08
Sheep, fat .....	0.01	12/31/08
Sheep, meat .....	0.01	12/31/08

(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 on GPO Access.

**§ 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 Tebufenozone; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide tebufenozone, benzoic acid, 3,5-di-

methyl-1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, in or on the following raw agricultural commodities:

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 <sup>1</sup> .....	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
Vegetable, fruiting, group 8 .....	1.0
Vegetable, tuberous and corm, except potato, subgroup 1D .....	0.015
Walnut .....	0.1

<sup>1</sup>There are no U.S. registrations on kiwifruit as of June 15, 1999.

(2) Tolerances are established for the combined residues of tebufenozone and its metabolites benzoic acid, 3,5-dimethyl-1-(1,1-dimethylethyl)-2-((4-carboxymethyl)benzoyl)hydrazide, benzoic acid, 3-hydroxymethyl,5-methyl-1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide, the stearic acid conjugate of benzoic acid, 3-hydroxymethyl,5-methyl-1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide and benzoic acid, 3-hydroxymethyl-5-methyl-1-(1,1-dimethylethyl)-2-(4-(1-hydroxyethyl)benzoyl)hydrazide.

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

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Commodity	Parts per million
Milk .....	0.04
Sheep, fat .....	0.1
Sheep, meat .....	0.08
Sheep, meat byproducts .....	0.08

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the insecticide benzoic acid 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
Beet, garden, roots .....	0.3	12/31/05
Beet, garden, tops .....	9.0	12/31/05
Grape .....	3.0	12/31/05
Sweet potato, roots .....	0.25	12/31/05

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

(d) *Indirect or inadvertent residues.* Tolerances are established for the indirect or inadvertent combined residues of tebufenozone, benzoic acid, 3,5-dimethyl-1-(1,1-dimethylethyl)-2-(4-ethylbenzoyl)hydrazide and its metabolite benzoic acid, 3,5-dimethyl-1-(1,1-dimethylethyl)-2-[4-(1-hydroxyethyl)benzoyl]hydrazide in or on the raw agricultural commodities when present therein as a result of the application of tebufenozone to growing crops listed in paragraph (a) of this section to read as follows:

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 on GPO Access.

**§ 180.483 *O*-[2-(1,1-Dimethylethyl)-5-pyrimidinyl] *O*-ethyl-*O*-(1-methyl-ethyl) phosphorothioate; tolerances for residues.**

Time-limited tolerances are established for residues of the insecticide *O*-[2-(1,1-dimethylethyl)-5-pyrimidinyl] *O*-ethyl-*O*-(1-methyl-ethyl) phosphorothioate in or on the following raw agricultural commodities:

Commodity	Parts per million	Expiration date
Corn, forage and fodder, field, pop, and sweet .....	0.01	7/6/99
Corn, grain, field and pop .....	0.01	Do.
Corn, sweet, kernel plus cob with husks removed .....	0.01	Do.

[60 FR 34873, July 5, 1995]

**§ 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
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

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Commodity	Parts per million
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

(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]

**§ 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) <sup>1</sup> .....	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

<sup>1</sup>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]

**Environmental Protection Agency****§ 180.491****§ 180.486 Phosphorothioic acid, 0,0-diethyl 0-(1,2,2,2-tetrachloroethyl) ester; tolerances for residues.**

Tolerances are established permitting the residue of the insecticide phosphorothioic acid, 0,0-diethyl 0-(1,2,2,2-tetrachloroethyl) ester 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
Corn, sweet, forage .....	0.01
Corn, sweet, kernel plus cob with husks removed .....	0.01
Corn, sweet, stover .....	0.01

[60 FR 49792, Sept. 27, 1995]

**§ 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
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 regional 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

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Commodity	Parts per million
Nut, tree, group 14 .....	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 postharvest 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
Nut, tree, group 14 .....	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]

**§ 180.492 Triflusulfuron methyl; tolerances for residues.**

(a) *General.* Tolerances are established for residues of the herbicide, triflusulfuron 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 raw agricultural commodities:

Commodity	Parts per million
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]

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**§ 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 <sup>1</sup> .....	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

<sup>1</sup> 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.* Time-limited tolerances are established for inadvertent or indirect residues of the fungicide dimethomorph in or on the following raw agricultural commodities when present therein as a result of the application of dimethomorph to growing crops. The tolerances will expire and are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Grain, cereal, forage, fodder and straw, group 16, forage .....	0.05	5/12/04
Grain, cereal, forage, fodder and straw, group 16, hay .....	0.10	5/12/04

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Commodity	Parts per million	Expiration/revocation date
Grain, cereal, forage, fodder and straw, group 16, stover .....	0.15	5/12/04
Grain, cereal, forage, fodder and straw, group 16, straw .....	0.15	5/12/04
Grain, cereal, group 15 .....	0.05	5/12/04

[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]

**§ 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-hydroxyethyl)benzylthio]-4-chloropyridazin-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

Commodity	Parts per million	Revocation/expiration date
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(n) 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]

**§ 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- $\alpha$ -L-manno-pyranosyl)oxy]-13-[[5-(dimethylamino)-tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,8a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-14-methyl-1H-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- $\alpha$ -L-manno-pyranosyl)oxy]-13-[[5-(dimethylamino)-tetrahydro-6-methyl-2H-pyran-2-yl]oxy]-9-ethyl-2,3,8a,5a,5b,6,9,10,11,12,13,14,16a,16b-tetradecahydro-4,14-methyl-1H-Indaceno[3,2-d]oxacyclododecin-7,15-dione.

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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 .....	1.5
Grain, cereal, group 15 .....	2.5
Grain, cereal, group 16, forage, except rice .....	10.0
Grain, cereal, group 16, hay, except rice .....	10.0
Grain, cereal, group, 16, stover, 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 .....	33
Hog, meat byproducts .....	8.0
Hog, meat .....	1.5
Hop, dried cones .....	22
Horse, fat .....	50
Horse, liver .....	10
Horse, meat .....	2.0

Commodity	Parts per million
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 .....	0.10
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]

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(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]

### § 180.496 Thiazopyr; tolerances for residues.

Tolerances are established for combined residues of the herbicide thiazopyr (3-pyridinecarboxylic 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

Commodities	Parts per million
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 inadvertant residues.* Tolerances are established for indirect or inadvertant 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.* A tolerance is established for combined residues of the herbicide sulfentrazone N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide and its major metabolite 3-hydroxymethyl sulfentrazone N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-hydroxymethyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide in or on the following raw agricultural commodity:

Commodity	Parts per million
Soybean, seed .....	0.05

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(2) Tolerances are established for combined residues of the herbicide sulfentrazone 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-*y*l)phenyl)methanesulfonamide) and DMS (*N*-(2,4-dichloro-5-(4-(difluoromethyl)-4,5-dihydro-5-oxo-1*H*-1,2,4-triazol-1-*y*l)phenyl)methanesulfonamide in or on the following food commodities:

Commodity	Parts per million
Asparagus .....	0.15
Bean, lima, succulent .....	0.15
Cabbage .....	0.20
Corn, field, forage .....	0.20
Corn, field, grain .....	0.15
Corn, field, stover .....	0.30
Horseradish .....	0.20
Pea and bean, dried shelled, except soybean, subgroup 6C .....	0.15
Peanut .....	0.20
Peanut, meal .....	0.40
Peppermint, tops .....	0.30
Potato .....	0.15
Spearmint, tops .....	0.30
Sugarcane, cane .....	0.15
Sugarcane, molasses .....	0.20
Sunflower, seed .....	0.20

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the herbicide *N*-(2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-*y*l]phenyl)methanesulfonamide and its metabolites 3-hydroxymethyl sulfentrazone and 3-desmethyl sulfentrazone, in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerance is specified in the following table. The tolerances expire and will be revoked by EPA on the date specified in the table.

Commodity	Parts per million	Expiration/revocation date
Bean, succulent seed without pod (lima bean & cowpea) .....	0.1	12/31/07
Flax, seed .....	0.20	12/31/10
Strawberry .....	0.60	12/31/10

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

(d) *Indirect or inadvertent residues.* Tolerances are established for inadvertent and indirect combined residues of the herbicide sulfentrazone (*N*-(2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-

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1-*y*l]phenyl)methanesulfonamide) and its metabolites 3-hydroxymethyl sulfentrazone (*N*-(2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-hydroxymethyl-5-oxo-1*H*-1,2,4-triazol-1-*y*l]phenyl)methanesulfonamide) and 3-desmethyl sulfentrazone (*N*-(2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-5-oxo-1*H*-1,2,4-triazol-1-*y*l]phenyl)methanesulfonamide) in or on the following raw agricultural 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 atraw, group 16, except sweet corn; forage .....	0.2
Grain, cereal, forage, fodder and atraw, group 16, except sweet corn; hay .....	0.2
Grain, cereal, forage, fodder and atraw, group 16, except sweet corn; stover .....	0.1
Grain, cereal, forage, fodder and atraw, 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]

**§ 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]

**Environmental Protection Agency****§ 180.502****(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-trimethyl-2,4-dodecadienoate)], (CAS Reg. No. 65733-18-8) on food commodities in food-handling establish-

ments 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]

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(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 <sup>1</sup> .....	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

<sup>1</sup> 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(n) 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]

### § 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

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90% 4'-epi-methylamino-4'-deoxyavermectin B<sub>1a</sub> and maximum of 10% 4'-epi-methylamino-4'-deoxyavermectin B<sub>1b</sub>) and its metabolites 8,9-isomer of the B<sub>1a</sub> and B<sub>1b</sub> component of the parent (8,9-ZMA), or 4'-deoxy-4'-epi-amino-avermectin B<sub>1a</sub> and 4'-deoxy-4'-epi-amino-avermectin B<sub>1b</sub>; 4'-deoxy-4'-epi-amino avermectin B<sub>1a</sub> (AB<sub>1a</sub>); 4'-deoxy-4'-epi-(N-formyl-N-methyl)amino-avermectin (MFB<sub>1a</sub>); and 4'-deoxy-4'-epi-(N-formyl)amino-avermectin B<sub>1a</sub> (FAB<sub>1a</sub>) 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<sub>1a</sub> + MAB<sub>1b</sub> isomers) and the associated 8,9-Z isomers (8,9-ZB<sub>1a</sub> + 8,9-ZB<sub>1b</sub>) 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]

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

(d) *Indirect and inadvertent 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
Avocado .....	2.0
Banana (pre-harvest and post harvest) .....	2.0
(of which not more than 0.1 is contained in the pulp)	
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 <sup>1</sup> .....	15
Grass, hay <sup>1</sup> .....	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

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Commodity	Parts per million
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,

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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 on GPO Access.

**§ 180.509 Mefenpyr-diethyl; tolerance for residues.**

(a) *General.* Tolerances are established for residues of the herbicide safener, 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, when applied at a rate no greater than 0.053 pound safener per acre per growing season in or on the following raw agricultural commodities:

Commodity	Parts per million
Barley, grain .....	0.05
Barley, hay .....	0.2
Barley, straw .....	0.5
Canola, seed .....	0.02

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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
Wheat, forage .....	0.2
Wheat, grain .....	0.05
Wheat, hay .....	0.2
Wheat, straw .....	0.5
Soybean, forage .....	0.1
Soybean, hay .....	0.1
Soybean, seed .....	0.02

(b) *Section 18 emergency exemptions.*  
 [Reserved]  
 (c) *Tolerances with regional registrations.* [Reserved]  
 (d) *Indirect or inadvertant residues.*  
 [Reserved]

[73 FR 74977, Dec. 10, 2008]

**§ 180.510 Pyriproxyfen; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide pyriproxyfen 2-[1-methyl-2-(4-phenoxyphenoxy)ethoxy]pyridine 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
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 .....	0.20
Canola, seed .....	0.20
Cherimoya .....	0.20
Citrus, oil .....	0.20
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

Commodity	Parts per million
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

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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 rinsed 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 on GPO Access.

### § 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-4H-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

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Commodity	Parts per million
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 thoroughly 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-1H-1,2,4-triazol-1-yl]-4-fluorobenzene propanoate) and its metabolite: carfentrazone-chloropropionic acid

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(alpha, 2-dichloro-5-[4-difluoromethyl]-4,5-dihydro-3-methyl-5-oxo-1*H*-1,2,4-triazol-1-yl]-4-fluorobenzene propanoic 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
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 .....	0.10
Grain, cereal, forage, fodder and straw, group 16, hay .....	0.10
Grain, cereal, forage, fodder and straw, group 16, stover .....	0.10
Grain, cereal, forage, fodder and straw, group 16, except rice; straw .....	0.10
Grain, cereal, group 15 .....	0.30
Grain, cereal, group 15 (except rice grain and sorghum grain) .....	0.30
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

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Commodity	Parts per million
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

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Commodity	Parts per million
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.* Time-limited tolerances are established for combined residues of the herbicide carfentrazone-ethyl and its chloropropionic acid metabolite in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. These tolerances will expire and are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/Revocation Date
Hop, dried cones .....	0.30	6/30/05
Tomato, paste .....	0.60	6/30/07
Tomato, puree .....	0.60	6/30/07
Vegetable, fruiting, group 8 .....	0.10	6/30/07

(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]

**§ 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

Commodity	Parts per million
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
Kiwi/fruit .....	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

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tolerances will expire and are revoked on the dates specified in the following table:

Commodity	Parts per million	Expiration/revocation date
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 on GPO Access.

## § 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 photodegrade 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
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

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Commodity	Parts per million
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)-1H-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 photodegrade 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	12/31/10
Turnip .....	1.0	12/31/10

(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 photodegrade 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

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Commodity	Parts per million
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]

**§ 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
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]

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### § 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 million.

(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

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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

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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

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[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.* Tolerances are established for residues of the fungicide cyprodinil, 4-cyclopropyl-6-methyl-N-phenyl-2-pyrimidinamine in or on the following food commodities:

Commodity	Parts per million
Almond .....	0.02
Almond, hulls .....	8.0

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Commodity	Parts per million
Apple, wet pomace .....	0.15
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 <sup>1</sup> .....	0.03
Cattle, meat byproducts .....	0.02
Citrus, dried pulp .....	8.0
Citrus, oil .....	340
Fruit, pome .....	0.1
Fruit, stone .....	2.0
Goat, meat byproducts .....	0.02
Grape .....	2.0
Grape, raisin .....	3.0
Herb subgroup 19A, dried, except parsley .....	15.0
Herb subgroup 19A, fresh, except parsley .....	3.0
Horse, meat byproducts .....	0.02
Juneberry .....	3.0
Kiwifruit .....	1.8
Leafy greens subgroup 4A, except spinach .....	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, maney .....	1.2
Sheep, meat byproducts .....	0.02
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 .....	0.75
Watercress .....	20

<sup>1</sup> Import only

(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 on GPO Access.

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**§ 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- $\alpha$ -(1-methylethyl)benzeneacetate, its non-racemic isomer, (*R*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and its diastereomers (*S*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and (*R*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate, in or on food commodities as follows:

Commodity	Parts per million
Almond .....	0.2
Almond, hulls .....	5.0
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 .....	1.5
Hazelnut .....	1.0
Hog, fat .....	0.2
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

Commodity	Parts per million
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- $\alpha$ -(1-methylethyl)benzeneacetate, its non-racemic isomer, (*R*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and its diastereomers (*S*)-cyano(3-phenoxyphenyl)methyl-(*R*)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and (*R*)-cyano(3-phenoxyphenyl)methyl-(*S*)-4-chloro- $\alpha$ -(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- $\alpha$ -(1-methylethyl)benzeneacetate, its

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non-racemic isomer, (R)-cyano(3-phenoxyphenyl)methyl-(R)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and its diastereomers (S)-cyano(3-phenoxyphenyl)methyl-(R)-4-chloro- $\alpha$ -(1-methylethyl)benzeneacetate and (R)-cyano(3-phenoxyphenyl)methyl-(S)-4-chloro- $\alpha$ -(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 Fluroxypyrr 1-methylheptyl ester; tolerances for residues.**

(a) *General.* Tolerances are established for combined residues of fluroxypyrr 1-methylheptyl ester [1-methylheptyl ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)acetate] and its metabolite fluroxypyrr [((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, straw	20.0
Cattle, fat	12.0
Cattle, kidney	0.1
Cattle, meat	1.5
Cattle, meat byproducts	0.1
Corn, field, forage	0.1
Corn, field, grain	1.0
Corn, field, stover	0.02
Corn, sweet, forage	0.5
Corn, sweet, kernel plus cob with husks removed	1.0
Corn, sweet, stover	0.02
Fruit, pome, group 11	2.0
Garlic, bulb	0.02
Goat, fat	0.03
Goat, kidney	0.1
Goat, meat	1.5
Goat, meat byproducts	0.1
Grain, aspirated fractions	0.1
Grass, forage	0.6
Grass, hay	120
Hog, fat	160
Hog, kidney	0.1
Hog, meat	1.5
Hog, meat byproducts	0.1
Horse, fat	0.1
Horse, kidney	1.5

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Commodity	Parts per million
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 commodity(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]

**Environmental Protection Agency****§ 180.541****§ 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
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 insecti-

cide to stored wheat in Australia, in or on the following food commodity:

Commodity	Parts per million
Wheat, gluten <sup>1</sup> .....	3.0

<sup>1</sup>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) A tolerance of 0.1 part per million is established for residues of the insecticide propetamphos ((*e*)-methylmethylethyl 3-[[*ethylamino*]methoxyphosphinothioyl]oxy-2-butenoate) in food commodities exposed to the insecticide during treatment of food- or feed-handling establishments.

(1) Direct 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. 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 or food-contact surfaces.

(2) Direct application shall be limited solely to spot and/or crack and crevice treatment in feed-handling establishments where feed and feed products are held, processed, prepared, 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 pinstream 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 feed or feed-contact surfaces.

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

[65 FR 33716, May 24, 2000]

## § 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

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Commodity	Parts per million
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

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Commodity	Parts per million
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 corn, 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;  $\beta$ -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
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.* (1) Tolerances are established for the indirect or inadvertent 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 raw agricultural commodities, when present therein as a result of the application of methoxyfenozide to growing crops as listed in paragraph (a) of this section:

Commodity	Parts per million	Expiration/revocation date
Vegetable, bulb, group 3-07 .....	0.20	09/30/10
Vegetable, leaves of root and tuber, group 2 .....	0.20	09/30/10
Vegetable, root and tuber, group 1 .....	0.10	09/30/10

(2) Tolerances are established for the indirect or inadvertent combined residues of methoxyfenozide; benzoic acid, 3-methoxy-2-methyl-, 2-(3,5-dimethylbenzoyl)-2-(1,1-dimethylethyl) hydrazide and its metabolites RH-117,236 free phenol of methoxyfenozide; 3,5-dimethylbenzoic acid *N*-tert-butyl-*N'*-(3-hydroxy-2-methylbenzoyl) hydrazide, RH-151,055 glucose conjugate of RH-117,236; 3,5-dimethyl benzoic acid *N*-tert-butyl-*N*-( $\beta$ -D-glucopyranosyloxy)-2-methylbenzoyl]-hydrazide and RH-152,072 the malonylglycosyl conjugate of RH-117,236 in or on the following raw agricultural commodities, when present therein as a result of the application of methoxyfenozide to growing crops as listed in paragraph (a) of this section:

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Commodity	Parts per million	Expiration/revocation date
Animal feed, non-grass, group 18 ...	10.0	09/30/10
Grain, cereal, forage, fodder and straw, group 16 .....	10.0	09/30/10
Grass, forage, fodder and hay, group 17 .....	10.0	09/30/10
Herb and spice, group 19 .....	10.0	09/30/10
Vegetable, foliage of legume, group 7 .....	10.0	09/30/10
Vegetable, legume, group 6 .....	0.10	09/30/10

[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]

**§ 180.545 Prallethrin (*RS*)-2-methyl-4-oxo-3-(2-propynyl)cyclopent-2-enyl (*1RS*)-*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 (*1RS*)-*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 thoroughly 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

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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 the combined residues of (*R*)- and (*S*)-2-[(2,6-dimethyl(phenyl)-methoxyacetylamine)-propionic acid methyl ester, and its metabolites containing the 2,6 dimethylaniline moiety, and *N*-(2-hydroxy methyl-6-methylphenyl)-*N*-(methoxyacetyl)-alanine methyl ester, each expressed as mefenoxam equivalents, in or on the following food commodities:

Commodity	Parts per million
Artichoke, globe .....	0.05
Atemoya .....	0.20
Canistel .....	0.40
Custard apple .....	0.20
Herbs, dried .....	55
Herbs, fresh .....	8.0
Kiwifruit .....	0.10
Lingonberry .....	2.0
Mango .....	0.40
Papaya .....	0.40
Sapodilla .....	0.40
Sapote, black .....	0.40
Sapote, mamey .....	0.40
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 inadvertent residues.* [Reserved]

[65 FR 57556, Sept. 25, 2000, as amended at 66 FR 48003, Sept. 17, 2001; 67 FR 35050, May 17, 2002]

**§ 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:

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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 <sup>1</sup> .....	0.10
Grass, hay <sup>1</sup> .....	0.10
Grass, seed screenings <sup>1</sup> .....	3.5
Grass, straw <sup>1</sup> .....	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

<sup>1</sup>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
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

(2) Time-limited tolerances are established for combined residues of diflufenzopyr, 2-(1-[(3,5-difluorophenylamino]carbonyl)hydrazono]ethyl)-3-pyridinecarboxylic acid, its metabolites convertible to 8-methylpyrido[2,3-d]pyridazin-5(6H)-one, and free and acid-released 8-hydroxymethylpyrido[2,3-d]pyridazine-2,5(1H,6H)-dione, expressed as diflufenzopyr, in or on the following raw agricultural commodities:

Commodity	Parts per million	Expiration/Revocation Date
Cattle, fat .....	0.30	7/31/05
Cattle, kidney .....	4.0	7/31/05
Cattle, meat .....	0.60	7/31/05
Cattle, meat byproducts, except kidney .....	0.50	7/31/05
Goat, fat .....	0.30	7/31/05
Goat, kidney .....	4.0	7/31/05
Goat, meat .....	0.60	7/31/05
Goat, meat byproducts, except kidney .....	0.50	7/31/05
Hog, fat .....	0.30	7/31/05
Hog, kidney .....	4.0	7/31/05
Hog, meat .....	0.60	7/31/05
Hog, meat byproducts, except kidney .....	0.50	7/31/05
Horse, fat .....	0.30	7/31/05
Horse, kidney .....	4.0	7/31/05
Horse, meat .....	0.60	7/31/05
Horse, meat byproducts, except kidney .....	0.50	7/31/05
Milk .....	3.0	7/31/05
Sheep, fat .....	0.30	7/31/05
Sheep, kidney .....	4.0	7/31/05
Sheep, meat .....	0.60	7/31/05
Sheep, meat byproducts, except kidney .....	0.50	7/31/05

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(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]

**§ 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-1H,3H-[1,3,4]thiadiazolo[3,4- $\alpha$ ]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

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(2) A tolerance is established for the combined residues of the herbicide fluthiacet-methyl and its acid metabolite: acetic acid, [[2-chloro-4-fluoro-5-[(tetrahydro-3-oxo-1H,3H-[1,3,4]thiadiazolo[3,4- $\alpha$ ]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- $\alpha$ ]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
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

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Commodity	Parts per million
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

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the sum of trifloxystrobin, benzeneacetic acid, (E,E)- $\alpha$ -(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)-ethylideneaminoxyethyl]-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 <sup>1</sup>	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	0.1
Grape	5.0
Grape, raisin	2.0
Grass, forage	5.0
Grass, hay	12
Hog, fat	0.05
Hog, meat	0.05
Hog, meat byproducts	11.0
Hop, dried cones	0.1
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

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Commodity	Parts per million
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

<sup>1</sup> 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.

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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, except 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

Commodity	Parts per million
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-methylbenzyl oxy)ethylamine hydrochloride; tolerances for residues.***

(a) *General.* A tolerance for residues of the plant growth regulator *N,N-diethyl-2-(4-methoxybenzyl oxy)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

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(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-quinolinyloxy)-methyl]-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, flucarbazone-sodium (wheat only), pinoxaden (wheat or barley), clodinafop-propargyl (wheat only), or pyroxsulam (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]

**§ 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 <sup>1</sup> .....	0.1
Spinach .....	1.0
Tomato, paste .....	3.0
Vegetable, brassica, leafy, group 5 .....	1.0
Vegetable, fruiting, group 8 .....	1.0

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Commodity	Parts per million
Vegetable, leafy, group 4 .....	0.25

<sup>1</sup>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.* Time-limited tolerances are established for residues of acibenzolar-S-methyl, benzo(1,2,3)thiadiazole-7-carbothioic acid-S-methyl ester in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The time-limited tolerances will expire and are revoked on the date specified in the following table:

Commodity	Parts per million	Expiration/revocation date
Onion, green .....	0.05	12/31/09

(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]

**§ 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;

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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(3H)-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(3H)-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, <i>Brassica</i> , leafy, group 5 .....	12
Vegetable, <i>cucurbit</i> , group 9 .....	0.60
Vegetable, fruiting, group 8 .....	0.50

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(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 byproducts .....	0.04
Cattle, meat .....	0.02
Citrus, dried pulp .....	0.60
ppm	
Coffee, bean, green <sup>1</sup> .....	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

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Commodity	Parts per million
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 byproducts .....	0.04
Goat, meat .....	0.02
Grain, aspirated fractions .....	0.08
Grape, raisin .....	0.30
Hog, meat byproducts .....	0.02
Hog, meat .....	0.02
Hop, dried cones .....	0.10
Horse, meat byproducts .....	0.04
Horse, meat .....	0.02
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 byproducts .....	0.04
Sheep, meat .....	0.02
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

<sup>1</sup>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]

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## § 180.567

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 on GPO Access.

### § 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-phenoxy-1H-pyrazol-4-yl)methylene] amino]oxy]methyl]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

Commodity	Parts per million
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-phenoxy-1H-pyrazol-4-yl)methylene] amino]oxy]methyl]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	12/31/10

(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]

### § 180.567 Zoxamide; tolerances for residues.

(a) *General.* (1) Tolerances are established for residues of zoxamide (3,5-

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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

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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
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]

### § 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
Kiwi .....	0.04

(2) Time-limited tolerances are established for residues of the plant growth

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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  $\beta$ -hydroxy- $\beta$ -benzenepropanenitrile when used as an inert ingredient (safener) in or on the following raw agricultural commodities:

Commodity	Parts per million
Rice, grain .....	0.10

Commodity	Parts per million
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

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(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of the herbicide mesotrione, 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione, in connection with use of the herbicide 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	h	Parts per million
Corn, sweet, kernel plus cob with husks removed .....	0.01	06/30/04
Corn, sweet, forage .....	0.50	06/30/04
Corn, sweet, stover .....	2.0	06/30/04
Cranberry .....	0.01	12/31/04

(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]

## § 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
Bean, dry seed .....	0.60
Black sapote .....	7.0
Caneberry subgroup 13-07A .....	5.0
Canistel .....	7.0
Cattle, fat .....	0.10
Cotton, gin byproducts .....	35
Cotton, undelinted seed .....	0.75
Feijoa .....	0.90
Fruit, pome, group 11 .....	0.75
Fruit, stone, group 12, except plum .....	2.5

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Commodity	Parts per million
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
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
Soybean, succulent shelled .....	0.70
Spanish lime .....	5.0
Spearmint, tops .....	25
Star apple .....	7.0
Starfruit .....	0.90
Strawberry .....	1.5
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 metabolite 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

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(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
Cherry, tart .....	5.0	12/31/09
Potato .....	0.05	12/31/06
Soybean, hulls .....	20	12/31/09
Soybean, meal .....	3.5	12/31/09
Soybean, refined oil .....	20	12/31/09
Soybean, seed .....	1.5	12/31/09
Timothy, forage .....	50	12/31/10
Timothy, hay .....	150	12/31/10

(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]

**§ 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(n) 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]

**§ 180.574****40 CFR Ch. I (7-1-10 Edition)****§ 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
Bushberry subgroup 13-07B .....	7.0
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 <sup>1</sup> .....	3.0

<sup>1</sup> No US registration as of March 15, 2002.

(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]

**§ 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
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 registrations.* [Reserved]

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

[67 FR 5740, Feb. 7, 2002, as amended at 69 FR 3257, Jan. 23, 2004; 70 FR 40908, July 15, 2005]

**Environmental Protection Agency****§ 180.578****§ 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 bispyribac-sodium, sodium 2,6-bis[(4,6-dimethoxy-pyrimidin-2-yl)oxy]benzoate, in or on the following raw agricultural commodities:

Commodity	Parts per million
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]

**§ 180.578 Acetamiprid; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide acetamiprid N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-methylacetamidine, including its me-

tabolites 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 <sup>1</sup> .....	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
Vegetable, tuberous and corm, group 1 .....	0.01

<sup>1</sup>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 N1-[(6-chloro-3-pyridyl)methyl]-N2-cyano-N1-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 N1-[(6-chloro-3-pyridyl)methyl]-N2-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

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Commodity	Parts per million
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 *N1*-(6-chloro-3-pyridyl)methyl]-*N2*- cyano-*N1*-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, undelined 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

Commodity	Parts per million
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(m) is established for residues of fenamidone, 4H-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 <sup>1</sup> .....	1.0

<sup>1</sup> Applicable to grapes grown East of the Rocky Mountains.

(d) *Indirect or inadvertent residues.* Tolerances are established for residues of the fungicide 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) in or on the following agricultural commodities when present therein as a

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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]

### § 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 <sup>1</sup> .....	2.0
Tomato <sup>1</sup> .....	1.0

<sup>1</sup>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 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)-1H-pyrazol-3-yl]oxy]methyl]phenylcarbamate), expressed as parent compound, in or on the following raw agricultural commodities.

Commodity	Parts per million
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 <sup>1</sup>
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

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Commodity	Parts per million
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 .....	4.5
Grass, hay .....	10
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 .....	0.6
Sapodilla .....	0.6
Sapote, black .....	0.6
Sapote, marney .....	0.04
Sesame, seed .....	0.45
Sorghum, grain, forage .....	0.6
Sorghum, grain, grain .....	0.60
Sorghum, grain, stover .....	0.80
Soybean, forage .....	5.0
Soybean, hay .....	7.0
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 .....	1.4
Vegetable, cucurbit, group 9 .....	29.0
Vegetable, foliage of legume, except soybean, subgroup 7A .....	0.9
Vegetable, fruiting, group 8 .....	0.5
Vegetable, leafy, except brassica, group 4 .....	16.0
Vegetable, leaves of root and tuber, group 2, except sugar beet .....	0.5
Vegetable, legume, edible podded, subgroup 6A .....	0.5

Commodity	Parts per million
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

<sup>1</sup> 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
Cattle, liver .....	1.5
Cattle, meat .....	0.1
Goat, fat .....	0.2
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
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]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.

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Commodity	Parts per million	Expiration/Revocation Date
Endive, Belgian .....	11.0	12/31/10
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]

**§ 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-(1H-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 Tolyfluanid; tolerances for residues.**

(a) *General.* Tolerances are established for residues of tolyfluanid, 1,1-dichloro-N-[(dimethylamino)-sulfonyl]-1-fluoro-N-(4-methylphenyl)methanesulfenamide in or on the following commodities.

Commodity	Parts per million
Apple <sup>1</sup> .....	5.0
Grape <sup>1</sup> .....	11
Hop, dried cones <sup>1</sup> .....	30

Commodity	Parts per million
Tomato <sup>1</sup> .....	2.0

<sup>1</sup> 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, ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorophenoxyacetate, and its acid metabolite, E-1, 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl)-4-fluorophenoxyacetic acid, expressed in terms of the parent in or on the following food commodities:

Commodity	Parts per million	Expiration/revocation date
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
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
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]

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### § 180.586 Clothianidin; tolerances for residues.

(a) *General.* 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
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

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for the residues of the insecticide clothianidin, 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 clothianidin, (E)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine. These tolerances will expire and are revoked on the dates specified in the following table:

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Commodity	Parts per million	Expiration/revocation date
Beet, sugar, roots .....	0.02	12/31/09
Beet, sugar, tops .....	0.02	12/31/09

(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]

### § 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 <sup>1</sup> .....	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

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Commodity	Parts per million
Vegetable, leafy, except Brassica, group 4, except spinach .....	25

<sup>1</sup> There are no U.S. registrations as of May 15, 2003.

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

(c) *Tolerances with a regional registration.* Tolerances with a regional registration as defined in Sec. 180.1(n) 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]

**§ 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
Alfalfa, hay .....	65.0
Almond, hulls .....	17
Apple, wet pomace .....	10
Avocado .....	1.5
Banana, import <sup>1</sup> .....	0.40
Brassica, head and stem, subgroup 5A .....	3.0
Brassica, leafy greens, subgroup 5B .....	18.0
Bushberry, subgroup 13B .....	13.0
Caneberry, subgroup 13A .....	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 <sup>1</sup> .....	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
Papaya .....	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

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Commodity	Parts per million
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

<sup>1</sup>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-hydroxybiphenyl-2-yl) nicotinamide and glucuronic acid conjugate of 2-chloro-N-(4'-chloro-5-hydroxybiphenyl-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:

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Commodity	Parts per million	Expiration/revocation date
Endive, Belgian .....	16	12/31/10

(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]

**Environmental Protection Agency****§ 180.592****§ 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
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-propenoxy)ethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-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-propenoxy)ethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl] benzoate) and its metabolite CGA-298731 (1-carboxy-1-methylethyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl] benzoate), in or on the following livestock commodities:

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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 the insecticide etoxazole, 2-(2,6-difluorophenyl)-4-[4-(1,1-dimethyllethyl)-2-ethoxyphenyl]-4,5-dihydrooxazazole, in or on the following raw agricultural commodities:

Commodity	Parts per million
Almond, hulls .....	2.0
Apple, wet pomace .....	0.50
Cattle, fat .....	0.02
Cattle, liver .....	0.01
Cotton, gin byproducts .....	1.0
Cotton, undelinted seed .....	0.05
Cucumber .....	0.02
Fruit, pome, group 11 .....	0.20
Fruit, stone, group 12, except plum .....	1.0
Goat, fat .....	0.02
Goat, liver .....	0.01
Grape .....	0.50
Grape, raisin .....	1.5
Hop, dried cones .....	7.0
Horse, fat .....	0.02
Horse, liver .....	0.01
Milk, fat .....	0.01
Nut, tree, group 14 .....	0.01
Peppermint, oil .....	20
Peppermint, tops .....	10
Pistachio .....	0.01
Plum .....	0.15
Plum, prune, dried .....	0.30
Sheep, fat .....	0.02
Sheep, liver .....	0.01
Spearmint, oil .....	20
Spearmint, tops .....	10
Strawberry .....	0.50
Tangerine <sup>1</sup> .....	0.10
Tomato .....	0.20
Vegetable, cucurbit subgroup 9A .....	0.20

<sup>1</sup>There are no U.S. registrations for use of etoxazole on tangerines as of September 26, 2003.

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

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(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]

**§ 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:

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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.* Tolerances are established for the combined residues of Fosthiazate (*O*-ethyl *S*-(1-methylpropyl)(2-oxo-3-thiazolidinyl)phosphonothioate and its metabolite *O*-ethyl *S*-(1-methylpropyl)[2-(methylsulfonyl)ethyl] phosphoramidothioate) (ASC-67131).

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]

**§ 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*] *meth-*  
*yl]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

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Commodity	Parts per million
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]

**§ 180.599 Acequinocyl; tolerances for residues.**

(a) *General.* Tolerances for combined residues of the insecticide acequinocyl, 2-(acetyloxy)-3-dodecyl-1,4-naphthalenedione, and its metabolite, 2-dodecyl-3-hydroxy-1,4-naphthoquinone, expressed as acequinocyl equivalents in or on the following commodities:

Commodity	Parts per million
Almond, hulls .....	2.0
Apple, wet pomace .....	1.0
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
Horse, fat .....	0.02
Horse, liver .....	0.02
Nut, tree, group 14 .....	0.02
Pistachio .....	0.02
Sheep, fat .....	0.02
Sheep, liver .....	0.02
Strawberry .....	0.40

(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]

**§ 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]

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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 the combined residues of cyazofamid, 4-chloro-2-cyano-*N,N*-dimethyl-5-(4-methylphenyl)-1*H*-imidazole-1-sulfonamide, and its metabolite CCIM, 4-chloro-5-(4-methylphenyl)-1*H*-imidazole-2-carbonitrile, expressed as cyazofamid, in or on the following commodities:

Commodity	Parts per million
Carrot, roots .....	0.09
Okra .....	0.40
Potato .....	0.02
Vegetable, cucurbit, group 9 .....	0.10

Commodity	Parts per million
Vegetable, fruiting, group 8 .....	0.40

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

(c) *Tolerances with regional registrations.* Tolerances with regional registrations are established for the combined residues of cyazofamid, 4-chloro-2-cyano-*N,N*-dimethyl-5-(4-methylphenyl)-1*H*-imidazole-1-sulfonamide, and its metabolite CCIM, 4-chloro-5-(4-methylphenyl)-1*H*-imidazole-2-carbonitrile, expressed as 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]

**§ 180.602 Spiroxamine; tolerances for residues.**

(a) *General.* Tolerances are established for the combined residues of the fungicide spiroxamine (8-(1,1-dimethylethyl)-N-ethyl-*N*-propyl-1,4-dioxaspiro[4.5]decane-2-methanamine) and its metabolites containing the N-ethyl-*N*-propyl-1,2-dihydroxy-3-aminopropane moiety, calculated as parent equivalent, in or on the following raw agricultural commodities:

Commodity	Parts per million
Banana (import) .....	3.0
Grape (import) .....	1.0
Hop, dried cones .....	50

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

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

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

[69 FR 42570, July 16, 2004]

**§ 180.603 Dinotefuran; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of dinotefuran, (*RS*)-1-methyl-2-nitro-3-((tetrahydro-3-

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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

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(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 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
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 or 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-hydroxypropyl)-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]

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### § 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
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 the combined residues of spiromesifen (2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate) and its enol metabolite (4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one), calculated as the parent compound equivalents 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, sub-group 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

Commodity	Parts per million
Cotton, undelinted seed .....	0.50
Cowpea, forage .....	30
Cowpea, hay .....	86
Leafy greens subgroup 4A .....	12
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 the combined residues 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 enol (4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one) and 4-hydroxymethyl (4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one) moieties, calculated as the parent compound equivalents 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 combined residues of spiromesifen, (2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate) and its enol metabolite (4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one), calculated as the parent compound equivalents 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
Soybean, forage .....	30	12/31/11

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Commodity	Parts per million	Expiration/revocation date
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 combined residues of spironesifen (2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3-dimethylbutanoate), its enol metabolite (4-hydroxy-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-2-one), and its metabolites containing the 4-hydroxymethyl moiety (4-hydroxy-3-[4-(hydroxymethyl)-2,6-dimethylphenyl]-1-oxaspiro[4.4]non-3-en-2-one), calculated as the parent compound equivalents 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]

**§ 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

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Commodity	Parts per million
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-

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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
Aspirated grain fractions .....	20
Berry, low growing, subgroup 13-07G .....	1.9
Corn, field, forage .....	3.0
Corn, field, grain .....	0.02
Corn, field, stover .....	4.5
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

(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 phenoxyhydroxypyrimidine, 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 .....	0.10
Goat, fat .....	0.10
Goat, meat .....	0.05
Goat, meat byproducts .....	0.10
Horse, fat .....	0.10
Horse, meat .....	0.05
Horse, meat, byproducts .....	0.10
Milk .....	0.02
Milk, fat .....	0.50
Sheep, fat .....	0.10
Sheep, meat .....	0.05
Sheep, meat byproducts .....	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 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]

**§ 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

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Commodity	Parts per million
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-methylphenyl)-tetrahydro-pyrazolo[1,2-d][1,4,5]oxadiazepine-7,9-dione, and free and conjugated forms of M2, 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:

zoic 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-methylphenyl)-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

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Commodity	Parts per million
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-tetrahydroxy- $\alpha$ -D-arabino-hexopyranosyl]-D-chiro-inositol in or on the following raw agricultural commodity:

Commodity	Parts per million
Vegetable, fruiting, group 8 <sup>1</sup> .....	0.04

<sup>1</sup>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-tetrahydroxy- $\alpha$ -D-arabino-hexopyranosyl]-D-chiro-inositol in or

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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

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(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]

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(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 <sup>1</sup> .....	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

<sup>1</sup> 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

Commodity	Parts per million
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-[[[(1*R*)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino] carbonyl]-2-methylpropyl]carbamate and isopropyl[(S)-1-[[[(1*S*)-1-(6-fluoro-2-benzothiazolyl)ethyl]amino] carbonyl]-2-methylpropyl]carbamate, in or on the following raw agricultural commodities:

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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 or 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 [2-(4-ethoxyphenyl)-2-methylpropyl 3-phenoxybenzyl ether] in or on the following raw agricultural commodity:

Commodity	Parts per million
Rice, grain .....	0.01

(b) *Section 18 emergency exemptions.* Time-limited tolerances are established for residues of etofenprox (2-[ethoxyphenyl]-2-methylpropyl-3-phenoxy benzyl ether) in connection with use of the pesticide under section 18 emergency exemptions granted by EPA. The tolerances will expire and

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are revoked on the dates specified in the following table.

Commodity	Parts per million	Expiration/revocation date
Rice, grain .....	0.01	12/31/09
Rice, straw .....	0.02	12/31/09

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

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

[71 FR 54928, Sept. 20, 2006, as amended at 73 FR 75605, Dec. 12, 2008]

**§ 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 <sup>1</sup> .....	5
Grape <sup>2</sup> .....	3
Hop, dried cones <sup>1</sup> .....	100

<sup>1</sup>No U.S. registration as of September 5, 2006.

<sup>2</sup>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-(ethylamino)-5-thiazolecarboxamide in or on the following commodity:

Commodity	Parts per million
Grape <sup>1</sup> .....	6.0

<sup>1</sup> There is no U.S. registration as of September 27, 2006

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

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

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(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- $\alpha$ , $\alpha$ , $\alpha$ -trifluoro-p-tolyloxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea, in or on the following food commodities.

Commodity	Parts per million
Apple <sup>1</sup> .....	0.50
Cattle, fat <sup>1</sup> .....	4.5
Cattle, meat <sup>1</sup> .....	0.10
Cattle, meat byproducts <sup>1</sup> .....	0.50
Goat, fat <sup>1</sup> .....	4.5
Goat, meat <sup>1</sup> .....	0.10
Goat, meat byproducts <sup>1</sup> .....	0.50
Grape <sup>1</sup> .....	0.70
Grape, raisin <sup>1</sup> .....	2.0
Horse, fat <sup>1</sup> .....	4.5
Horse, meat <sup>1</sup> .....	0.10
Horse, meat byproducts <sup>1</sup> .....	0.50
Milk .....	0.20
Milk, fat <sup>1</sup> .....	4.0
Orange <sup>1</sup> .....	0.30
Orange, oil <sup>1</sup> .....	60
Pear <sup>1</sup> .....	0.50
Sheep, fat <sup>1</sup> .....	4.5
Sheep, meat <sup>1</sup> .....	0.10
Sheep, meat byproducts <sup>1</sup> .....	0.50

<sup>1</sup>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 Metafenone; tolerances for residues.**

(a) *General.* Tolerances are established for residues of metafenone, (3-bromo-6-methoxy-2-methylphenyl)(2,3,4-trimethoxy-6-methylphenyl)methanone, in or on the following commodities.

Commodity	Parts per million
Grape .....	0.6 <sup>1</sup>

<sup>1</sup>There is no U.S. registration on grapes as of September 20, 2006.

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

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

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

[71 FR 54917, Sept. 20, 2006]

**§ 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 inadvertent 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-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 metabolite prothioconazole-desthio, or  $\alpha$ -(1-chlorocyclopropyl)- $\alpha$ -[(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

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Commodity	Parts per million
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-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  $\alpha$ -(1-chlorocyclopropyl)- $\alpha$ -[(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 fluopicolide, 2,6-dichloro-N-[[3-chloro-5-(trifluoromethyl)-2-pyridinyl]methyl]benzamide, as an indicator of combined residues of

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fluopicolide and its metabolite, 2,6-dichlorobenzamide (BAM).

Commodity	Parts per million
Brassica, head and stem, subgroup 5A .....	5.0
Grape .....	2.0
Grape, raisin .....	6.0
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, except sugar beet and carrot .....	0.15
Vegetable, tuberous and corm (except potato), subgroup 1D .....	0.02

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

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

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

[72 FR 14447, Mar. 28, 2007, as amended at 73 FR 5455, Jan. 30, 2008; 73 FR 30498, May 28, 2008]

**§ 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

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Commodity	Parts per million	Commodity	Parts per million
Cattle, meat .....	0.05	Pineapple .....	1.5
Cattle, meat byproducts, except liver .....	0.2	Pineapple, process residue .....	3.0
Cherimoya .....	4.0	Pistachio .....	0.04
Cherry, sweet .....	2.0	Plum, chickasaw .....	2.0
Cherry, tart .....	2.0	Plum, damson .....	2.0
Citrus, dried pulp .....	14	Pomegranate .....	4.0
Coffee, green bean .....	0.4	Poppy, seed .....	0.3
Coffee, instant .....	2.0	Poultry, fat .....	0.01
Corn, field, forage .....	14	Poultry, meat byproducts .....	0.02
Corn, field, grain .....	0.04	Pulasan .....	4.0
Corn, field, milled byproducts .....	0.1	Rambutan .....	4.0
Corn, field, stover .....	14	Rapeseed, seed .....	0.3
Corn, pop, forage .....	14	Rice, grain .....	0.15
Corn, pop, grain .....	0.04	Rice, hulls .....	0.4
Corn, pop, stover .....	14	Rose hip, seed .....	0.3
Corn, sweet, forage .....	14	Sapodilla .....	4.0
Corn, sweet, kernel plus cobs with husk removed .....	0.02	Sapote, black .....	4.0
Corn, sweet, stover .....	14	Sapote, mamey .....	4.0
Cotton, gin byproduct .....	30	Sesame, seed .....	0.3
Cotton, hulls .....	0.40	Sheep, fat .....	0.3
Cotton, undelinted seed .....	0.30	Sheep, liver .....	0.3
Crambe, seed .....	0.3	Sheep, meat .....	0.05
Crayfish .....	8.0	Sheep, meat byproducts, except liver .....	0.2
Custard apple .....	4.0	Soursop .....	4.0
Egg .....	0.2	Spanish lime .....	4.0
Feijoa .....	4.0	Spearmint, tops .....	9.0
Fig .....	4.0	Spice, subgroup 19B .....	14
Fruit, caneberry, subgroup 13-07A .....	1.8	Star apple .....	4.0
Fruit, citrus, group 10 .....	1.4	Starfruit .....	4.0
Fruit, pome, group 11, except mayhaw .....	1.2	Strawberry .....	1.0
Fruit, small vine climbing, subgroup 13-07F .....	2.5	Sugar apple .....	4.0
Fruit, stone, group 12, except cherry, chickasaw, plum, and damson plum .....	4.0	Sugarcane, cane .....	14
Goat, fat .....	0.3	Sugarcane, molasses .....	420
Goat, liver .....	0.3	Tallowwood, seed .....	0.3
Goat, meat .....	0.05	Tea oil plant, seed .....	0.3
Goat, meat byproducts, except liver .....	0.2	Vegetable, cucurbit, group 9 .....	0.25
Grain, aspirated fractions .....	5.0	Vegetable, foliage of legume, except soybean, subgroup 7A, forage .....	30
Grape, raisin .....	90	Vegetable, foliage of legume, except soybean, subgroup 7A, hay .....	90
Grass forage, fodder and hay, group 17 .....	0.3	Vegetable, fruiting, group 8 .....	0.70
Guava .....	0.3	Vegetable, leafy, except brassica, group 4 .....	13
Hare's ear mustard, seed .....	0.3	Vegetable, legume, group 6, except soybeans .....	2.0
Herb subgroup 19A, dried leaves .....	90	Vegetable, tuberous and corm, subgroup 1C .....	0.01
Herb subgroup 19A, fresh leaves .....	0.2	Wax jambu .....	4.0
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 .....	0.3		
Mango .....	2.0		
Mayhaw .....	4.0		
Milk .....	0.6		
Milkweed, seed .....	0.05		
Mustard, seed .....	0.3		
Nut, tree, group 14 .....	0.3		
Oil, radish, seed .....	0.04		
Okra .....	0.3		
Olive .....	0.3		
Olive, oil .....	0.3		
Papaya .....	0.7		
Passionfruit .....	4.0		
Peppermint, tops .....	2.0		
Persimmon .....	9.0		
	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-

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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,  $[(\pm)\alpha\text{-}(2\text{-fluorophenyl})\alpha\text{-}(4\text{-fluorophenyl})\text{-}1H\text{-}1,2,4\text{-triazole-1-ethanol}]$ , 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,  $(1\text{-}[(\text{bis}(4\text{-fluorophenyl})\text{methylsilyl})\text{methyl}]\text{-}1H\text{-}1,2,4\text{-triazole})$  in connection with use of the pesticide under Section 18 emergency exemptions granted by EPA. The tolerances expire and are revoked on

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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 inadvertent 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 and pyrasulfotole-desmethyl,  $(5\text{-hydroxy-1,3-dimethyl-1H\text{-}pyrazol-4-yl})[2\text{-}(methylsulfonyl)\text{-}4\text{-}(trifluoromethyl)phenyl]methanone$ , and its metabolite,  $5\text{-hydroxy-3-methyl-1H\text{-}pyrazol-4-yl})[2\text{-}(methylsulfonyl)\text{-}4\text{-}(trifluoromethyl)phenyl]methanone$ , in or on the following agricultural commodities:

Commodity	Parts per million
Aspirated grain fractions .....	0.40
Barley, grain .....	0.02
Barley, hay .....	0.30
Barley, straw .....	0.20
Cattle, fat .....	0.02
Cattle, liver .....	0.35
Cattle, meat .....	0.02
Cattle, meat byproducts, except liver .....	0.06
Eggs .....	0.02
Goat, fat .....	0.02
Goat, liver .....	0.35
Goat, meat .....	0.02
Goat, meat byproducts, except liver .....	0.06
Hog, fat .....	0.02
Hog, meat .....	0.02
Hog, meat byproducts .....	0.02
Horse, fat .....	0.02
Horse, liver .....	0.35
Horse, meat .....	0.02
Horse, meat byproducts, except liver .....	0.06
Milk .....	0.01
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 .....	0.02
Rye, forage .....	0.20
Rye, grain .....	0.02
Rye, straw .....	0.20
Sheep, fat .....	0.02
Sheep, liver .....	0.35
Sheep, meat .....	0.02
Sheep, meat byproducts, except liver .....	0.06
Wheat, forage .....	0.20

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Commodity	Parts per million
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]

**§ 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 18 emergency exemptions.*  
 [Reserved]  
 (c) *Tolerances with regional registrations.* [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-cyclohexanediene and its metabolite, 2-[2-chloro-4-(methylsulfonyl)-3-[(2,2,2-trifluoroethoxy)methyl]benzoyl]-4,6-dihydroxy-1,3-cyclohexanediene, 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-cyclohexanediene in or on the following commodities.

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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]oxacyclododec-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]oxacyclododec-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]oxacyclododec-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]oxacyclododec-18-yl]oxy)-2-methyltetrahydro-2H-pyran-3-yl(methyl)formamide, in or on the following raw agricultural commodities:

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Commodity	Parts per million
Acerola .....	0.30
Almond, hulls .....	19
Amaranth grain, grain .....	1.0
Apple, wet pomace .....	0.50
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

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Commodity	Parts per million
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 .....	0.30
Sheep, liver .....	5.5
Sheep, meat .....	0.85
Sheep, meat products (except liver) .....	0.20
Sorghum, grain, grain .....	0.60
Soursop .....	1.0
Soybean, seed .....	0.30
Spanish lime .....	0.04
Spearmint, tops .....	0.30
Spice, subgroup 19B, except black pepper .....	3.5
Star apple .....	1.7
Star fruit .....	0.30
Strawberry .....	0.30
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 inadvertent 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-propynyl)oxy)phenyl]ethyl]-alpha-(2-propynyl)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

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Commodity	Parts per million
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.* Tolerances are established for residues of the insecticide flubendiamide *per se*, N<sup>2</sup>-[1,1-Dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N<sup>1</sup>-[2-methyl-4-[1,2,2,2-tetrafluoro-1-(trifluoromethyl)ethyl]phenyl]-1,2-benzenedicarboxamide, in or on the following food commodities:

Commodity	Parts per million
Almond, hulls .....	9.0
Apple, wet pomace .....	2.0
Brassica, head and stem, subgroup 5A .....	0.60
Brassica, leafy greens, subgroup 5B .....	5.0
Cattle, fat .....	0.30
Cattle, kidney .....	0.30
Cattle, liver .....	0.30
Cattle, muscle .....	0.05
Corn, field, forage .....	8.0
Corn, field, grain .....	0.02
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
Egg .....	0.01
Fruit, pome, group 11 .....	0.70
Fruit, stone, group 12 .....	1.6
Goat, fat .....	0.30
Goat, kidney .....	0.30
Goat, liver .....	0.30
Goat, muscle .....	0.05
Grain, aspirated fractions .....	5.0
Grape .....	1.4
Horse, fat .....	0.30
Horse, kidney .....	0.30
Horse, liver .....	0.30
Horse, muscle .....	0.05
Milk .....	0.04
Milk, fat .....	0.30
Nut, tree, group 14 .....	0.06
Okra .....	0.30
Poultry, fat .....	0.02
Poultry, liver .....	0.01
Poultry, muscle .....	0.01
Sheep, fat .....	0.30
Sheep, kidney .....	0.30
Sheep, liver .....	0.30
Sheep, muscle .....	0.05

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Commodity	Parts per million
Vegetable, cucurbit, group 9 .....	0.20
Vegetable, fruiting, group 8 .....	0.60
ppm	
Vegetable, leafy, except Brassica, group 4 .....	11

(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 the insecticide flubendiamide *per se*, N<sup>2</sup>-[1,1-Dimethyl-2-(methylsulfonyl)ethyl]-3-iodo-N<sup>1</sup>-[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 *per se* to the growing crops listed in paragraph (a) of this section:

Commodity	Parts per million
Alfalfa, forage .....	0.15
Alfalfa, hay .....	0.04
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
Sorghum, grain, forage .....	0.03
Sorghum, grain, stover .....	0.06
Soybean, forage .....	0.02
Soybean, hay .....	0.04
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

[73 FR 47062, Aug. 13, 2008]

**§ 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-

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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 <i>Brassica</i> , 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 (cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro [4.5] dec-3-en-4-yl-ethyl carbonate) and its metabolites BYI 08330-enol (cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro 4.5 dec-3-en-2-one), BYI 08330-ketohydroxy (cis-3-(2,5-dimethylphenyl)-3-hydroxy-8-methoxy-1-azaspiro 4.5 decane-2,4-dione), BYI 08330-enol-Glc (cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro 4.5 dec-3-en-4-yl beta-D-glucopyranoside), and BYI 08330-mono-hydroxy (cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro 4.5 decan-2-one), calculated as spirotetramat equivalents, in or on the following raw agricultural commodities:

Commodity	Parts per million
Almond, hulls .....	9.0
Brassica, head and stem, subgroup 5A .....	2.5
Brassica, leafy, subgroup 5B .....	8.0
Citrus, oil .....	6.0
Fruit, citrus, group 10 .....	0.60
Fruit, pome, group 11 .....	0.70
Fruit, stone, group 12 .....	4.5
Grape, raisin .....	3.0
Hop, dried cones .....	10.0
Nut, tree, group 14 .....	0.25
Onion, bulb, subgroup 3A-07 .....	0.3
Potato, flakes .....	1.6
Small fruit vine climbing subgroup, except fuzzy kiwifruit, subgroup 13-07F .....	1.3
Strawberry .....	0.40
Vegetable, cucurbit, group 9 .....	0.30
Vegetable, fruiting, group 8 .....	2.5
Vegetable, leafy, except <i>Brassica</i> , group 4 .....	9.0
Vegetable, tuberous and corm, subgroup 1C .....	0.60

(2) Tolerances are also established for the combined residues of spirotetramat (cis-3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro [4.5] dec-3-en-4-yl-ethyl carbonate) and its metabolite BYI 08330-enol (cis-3-(2,5-dimethylphenyl)-4-hydroxy-8-methoxy-1-azaspiro 4.5 dec-3-en-2-one), calculated as spirotetramat equivalents, in or on the following commodities:

Commodity	Parts per million
Cattle, fat .....	0.02
Cattle, meat .....	0.02
Cattle, meat byproducts .....	0.02
Goat, fat .....	0.02
Goat, meat .....	0.02
Goat, meat byproducts .....	0.02
Horse, fat .....	0.02
Horse, meat .....	0.02
Horse, meat byproducts .....	0.02
Milk .....	0.01
Sheep, fat .....	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.*  
[Reserved]

[73 FR 39256, July 9, 2008]

**§ 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 inadvertent residues.*  
[Reserved]

[73 FR 44162, July 30, 2008]

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### § 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
Milk .....	0.02
Sheep, meat .....	0.02
Sheep, meat byproducts .....	0.02

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(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-1H-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-3H-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
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 inadvertant residues.* Tolerances are established for indirect or inadvertant combined residues of

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thiencarbazone-methyl and its metabolite BYH 18636-MMT-glucoside [2-hexopyranosyl-5-methoxy-4-methyl-2,4-dihydro-3H-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 Ipcronazole; 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(2H)-pyrimidinyl]-4-fluoro-N-[(methyl(1-methylethyl)amino)sulfonyl]benzamide, and its metabolites *N*-[2-chloro-5-(2,6-dioxo-4-(trifluoromethyl)-3,6-dihydro-1(2H)-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 .....	0.10
Cotton, undelinted seed .....	0.03
Fruit, citrus, group 10 .....	0.03
Fruit, pome, group 11 .....	0.03
Fruit, stone, group 12 .....	0.03
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
Pistachio .....	0.03
Sunflower, seed .....	1.0

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Commodity	Parts per million
Vegetable, foliage of legume, group 7 .....	0.10
Vegetable, legume, group 6 .....	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(2H)-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 .....	0.80
Cattle, meat .....	0.01
Cattle, meat byproducts, except liver .....	0.02
Goat, fat .....	0.01
Goat, liver .....	0.80
Goat, meat .....	0.01
Goat, meat byproducts, except liver .....	0.02
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 .....	0.80
Horse, meat .....	0.01
Horse, meat byproducts, except liver .....	0.02
Milk .....	0.01
Sheep, fat .....	0.01
Sheep, liver .....	0.80
Sheep, meat .....	0.01
Sheep, meat byproducts, except liver .....	0.02

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

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

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

[74 FR 46689, Sept. 11, 2009]

**40 CFR Ch. I (7-1-10 Edition)****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) [Reserved]
- (2) *N*-Octylbicyclo(2,2,1)-5-heptene-2,3-dicarboximide.
- (3) Petroleum oils.
- (4) Piperonyl butoxide.
- (5) [Reserved]
- (6) Pyrethrum and pyrethrins.
- (7) Rotenone or derris or cube roots.
- (8) 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.

[69 FR 23117, Apr. 28, 2004]

**§ 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 $\alpha$ -hydro- $\omega$ -hydroxypoly (oxyethylene) with molecular weight (in amu) range of 200 to 6,000.	.....	Emulsifiers