

**Environmental Protection Agency**

**§ 180.418**

Commodity	Parts per million
Cattle, fat .....	0.05
Cattle, kidney .....	0.5
Cattle, liver .....	0.5
Cattle, meat .....	0.05
Cattle, meat byproducts, except kidney and liver ..	0.05
Goat, fat .....	0.05
Goat, kidney .....	0.5
Goat, liver .....	0.5
Goat, meat .....	0.05
Goat, meat byproducts, except kidney and liver ..	0.05
Hog, fat .....	0.05
Hog, kidney .....	0.5
Hog, liver .....	0.5
Hog, meat .....	0.05
Hog, meat byproducts, except kidney and liver ..	0.05
Horse, fat .....	0.05
Horse, kidney .....	0.5
Horse, liver .....	0.5
Horse, meat .....	0.05
Horse, meat byproducts, except kidney and liver ..	0.05
Sheep, fat .....	0.05
Sheep, kidney .....	0.5
Sheep, liver .....	0.5
Sheep, meat .....	0.05
Sheep, meat byproducts, except kidney and liver ..	0.05

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

[50 FR 18486, May 1, 1985, as amended at 55 FR 26440, June 28, 1990; 60 FR 4095, Jan. 20, 1995; 62 FR 46894, Sept. 5, 1997; 63 FR 45406, Aug. 26, 1998; 67 FR 35048, May 17, 2002; 67 FR 58725, Sept. 18, 2002; 72 FR 41931, Aug. 1, 2007]

**§ 180.418 Cypermethrin and an isomer zeta-cypermethrin; tolerances for residues.**

(a) *General.* (1) Tolerances are established for residues of the insecticide cypermethrin (±)alpha cyano-(3-phenoxyphenyl)methyl(±)cis,trans-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate in or on the following commodities:

Commodity	Parts per million
Brassica, head and stem, subgroup 5A .....	2.0
Brassica, leafy greens, subgroup 5B .....	14.0
Cattle, fat .....	1.0
Cattle, meat .....	0.2
Cattle, meat byproducts .....	0.05
Cotton, gin byproducts .....	11.0
Cotton, undelinted seed .....	0.5
Egg .....	0.05
Goat, fat .....	1.0
Goat, meat .....	0.2
Goat, meat byproducts .....	0.05
Hog, fat .....	0.1
Hog, meat .....	0.05
Horse, fat .....	1.0

Commodity	Parts per million
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 zeta-cypermethrin, (*S*-cyano(3-phenoxyphenyl)methyl(±))(cis-trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate), 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 total cypermethrin, cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate, in or on the commodity.

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
Artichoke, globe .....	0.60
Avocado .....	0.50
Barley, grain .....	3.0
Barley, hay .....	6.0
Barley, straw .....	20.0
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
Buckwheat, grain .....	3.0
Buckwheat, hay .....	6.0
Buckwheat, straw .....	20.0
Cabbage .....	2.00
Canistel .....	0.50
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

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Commodity	Parts per million
Corn, sweet, forage	15.00
Corn, sweet, kernel plus cob with husks removed	0.05
Corn, sweet, stover	15.00
Cotton, undelinted seed	0.5
Crambe, seed	0.2
Cuphea, seed	0.2
Echium, seed	0.2
Egg	0.05
Euphorbia, refined oil	0.4
Euphorbia, seed	0.2
Evening primrose, refined oil	0.4
Evening primrose, seed	0.2
Flax, seed	0.2
Food commodities/feed commodities (other than those covered by a higher tolerance as a result of use on growing crops) in food/feed handling establishments	0.05
Fruit, citrus, group 10	0.35
Fruit, pome, group 11	2
Fruit, stone, group 12	1
Goat, fat	1.00
Goat, meat	0.2
Goat, meat byproducts	0.05
Gold of pleasure, seed	0.2
Grain, aspirated fractions	10.0
Grape	2
Grass, forage, fodder, and hay, group 17, forage	10
Grass, forage, fodder and hay, group 17, hay	35
Hare's-ear mustard, seed	0.2
Hog, fat	0.1
Hog, meat	0.05
Horse, fat	1.00
Horse, meat	0.2
Horse, meat byproducts	0.05
Jajoba, refined oil	0.4
Jajoba, seed	0.2
Lesquerella, seed	0.2
Lunaria, seed	0.2
Mango	0.70
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
Oat, grain	3.0
Oat, hay	6.0
Oat, straw	20.0
Oil radish, seed	0.2
Okra	0.2
Onion, bulb	0.10
Onion, green	3.00
Papaya	0.50
Pea and bean, dried shelled, except soybean, subgroup 6C	0.05
Pea and bean, succulent shelled, subgroup 6B	0.1
Peanut	0.05
Pecan	0.05
Pistachio	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
Rye, grain	3.0

Commodity	Parts per million
Rye, hay	6.0
Rye, straw	20.0
Safflower, seed	0.2
Sapodilla	0.50
Sapote, black	0.50
Sapote, mamey	0.50
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
Star apple	0.50
Stokes aster, refined oil	0.4
Stokes aster, seed	0.2
Sugarcane, cane	0.60
Sunflower, refined oil	0.5
Sunflower, seed	0.2
Sweet rocket, seed	0.2
Tallowwood, refined oil	0.4
Tallowwood, seed	0.2
Tea oil plant, refined oil	0.4
Tea oil plant, seed	0.2
Turnip, greens	14
Vegetable, cucurbit, group 9	0.2
Vegetable, fruiting, group 8	0.2
Vegetable, leafy, except brassica, group 4	10.00
Vegetable, legume, edible podded, subgroup 6A	0.5
Vegetable, root and tuber, group 1, except sugar beet	0.1
Vernonia, refined oil	0.4
Vernonia, seed	0.2
Wheat, forage	3.0
Wheat, grain	0.2
Wheat, hay	6.0
Wheat, straw	7.0

(3) Tolerances are established for residues of the insecticide, alpha-cypermethrin, (R)-cyano(3-phenoxyphenyl)methyl (1S,3S)-rel-3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate, 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 total cypermethrin, cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate, in or on the commodity.

Commodity	Parts per million
Alfalfa, hay	15
Beet, sugar, roots	0.05
Beet, sugar, tops	0.20
Brassica, head and stem, subgroup 5A	2.0
Cattle, fat	1.0
Cattle, meat	0.20
Cattle, meat byproducts	0.05
Citrus, dried pulp	1.8
Citrus, oil	4.0
Corn, field, grain	0.05

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Commodity	Parts per million
Corn, pop, grain	0.05
Corn, sweet, kernel plus cob with husks removed	0.05
Cotton, undelinted seed	0.50
Egg	0.05
Fruit, citrus, group 10-10	10
Goat, fat	1.0
Goat, meat	0.20
Goat, meat byproducts	0.05
Hog, fat	1.0
Hog, meat	0.05
Horse, fat	1.0
Horse, meat	0.20
Horse, meat byproducts	0.05
Milk, fat, reflecting 0.10 ppm in whole milk	2.5
Nut, tree, group 14-12	0.05
Pea and bean, dried shelled, except soybean, subgroup 6C	0.05
Pea and bean, succulent shelled, subgroup 6B	0.10
Poultry, fat	0.05
Poultry, meat	0.05
Rice, grain	1.5
Sheep, fat	1.0
Sheep, meat	0.20
Sheep, meat byproducts	0.05
Sorghum, grain, grain	0.50
Soybean, seed	0.05
Vegetable, cucurbit, group 9	0.20
Vegetable, fruiting, group 8-10	0.20
Vegetable, leafy, group 4	10
Vegetable, legume, edible podded, subgroup 6A	0.50
Vegetable, root and tuber, group 1, except sugar beet	0.10
Wheat, grain	0.20

(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; 77 FR 72984, Dec. 7, 2012; 78 FR 7275, Feb. 1, 2013]

**§ 180.419 Chlorpyrifos-methyl; tolerances for residues.**

(a) General. (1) Tolerances are established for the combined residues of the insecticide chlorpyrifos-methyl [*O*,-*O*,-dimethyl *O*-(3,5,6-trichloro-2-pyridyl)] phosphorothioate and its metabolite (3,5,6-trichloro-2-pyridinol) in or on the following food commodities:

Commodity	Parts per million
Barley, grain	6.0
Cattle, fat	0.5
Cattle, meat	0.5
Cattle, meat byproducts	0.5

Commodity	Parts per million
Egg	0.1
Goat, fat	0.5
Goat, meat	0.5
Goat, meat byproducts	0.5
Hog, fat	0.5
Hog, meat	0.5
Hog, meat byproducts	0.5
Horse, fat	0.5
Horse, meat	0.5
Horse, meat byproducts	0.5
Milk, fat (0.05 ppm (N) in whole milk	1.25
Oat, grain	6.0
Poultry, fat	0.5
Poultry, meat	.5
Poultry, meat byproducts	.5
Rice, grain	6.0
Sheep, fat	0.5
Sheep, meat	0.5
Sheep, meat byproducts	0.5
Sorghum, grain	6.0
Wheat, grain	6.0

(2) Tolerances are established for the combined residues of the insecticide chlorpyrifos-methyl (*O*,-*O*-dimethyl-*O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate and its metabolite (3,5,6-trichloro-2-pyridinol) in or on the following food commodities when present therein as a result of application to stored grains:

Commodity	Parts per million
Barley, bran	90
Barley, pearled barley	90
Rice, bran	30
Rice, hulls	30
Rice, polished rice	30
Sorghum, grain, bran	90
Wheat, bran	30
Wheat, germ	30
Wheat, middlings	30
Wheat, shorts	30

(b) Section 18 emergency exemptions. [Reserved]

(c) Tolerances with regional registrations. [Reserved]

(d) Indirect or inadvertent residues. [Reserved]

[65 FR 33715, May 24, 2000, as amended at 74 FR 46374, Sept. 9, 2009]

**§ 180.420 Fluridone; tolerances for residues.**

(a) General. (1) Tolerances are established for residues of the herbicide fluridone, including its metabolites and degradates, in or on the commodities in the table in this paragraph. Compliance with the tolerance levels specified in this paragraph is to be determined by measuring only the sum of