

Environmental Protection Agency

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Commodity	Parts per million
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]

**§ 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 Chlorpyrifos; tolerances for residues.**

(a) General. (1) Tolerances are established for combined residues of the pesticide chlorpyrifos (*O,O*-diethyl *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
Almond	0.2
Almond, hulls	12.0
Apple	1.5
Bean, lima	0.05
Bean, snap, succulent	0.05
Beet, sugar, molasses	15.0
Beet, sugar, dried pulp	5.0
Beet, sugar, roots	1.0
Beet, sugar, tops	8.0
Blueberry	2 ppm (of which no more than 1 ppm is chlorpyrifos)
Citrus, dried pulp	5.0
Citrus, oil	25.0
Corn, field, refined oil	3.0
Corn, sweet, kernel plus cob with husks removed	0.1
Cranberry	1.0
Fruit, citrus	1.0
Kiwifruit	2.0
Nut, tree, group 14	0.2
Onion, dry bulb	0.5
Pepper	1.0
Sorghum, forage	1.5
Sorghum, grain, grain	0.75
Sorghum, grain, stover	6.0
Sunflower, seed	0.25
Tomato	0.5
Vegetable, brassica, leafy, group 5	12.0
Walnut	0.2

<sup>1</sup> Of which no more than 1.0 ppm is chlorpyrifos.

(2) Tolerances are established for residues of the pesticide chlorpyrifos

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(*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
Alfalfa, hay .....	13
Banana .....	0.1
Banana, pulp .....	0.01
Broccoli .....	1
Brussels sprouts .....	1
Cabbage .....	1
Cabbage, chinese .....	1
Cattle, fat .....	0.3
Cattle, meat and meat byproducts .....	0.05
Cauliflower .....	1
Cherry .....	1
Corn, field, grain .....	0.05
Corn, forage and fodder .....	8
Cotton, undelinted seed .....	0.2
Cucumber .....	0.05
Egg .....	0.01
Fig .....	0.01
Goat, fat .....	0.2
Goat, meat and meat byproducts .....	0.05
Hog, fat .....	0.2
Hog, meat and meat byproducts .....	0.05
Horse, meat, fat, and meat byproducts .....	0.25
Legume vegetables, succulent or dried (except soybean) .....	0.05
Milk, fat .....	0.25
Milk, whole .....	0.01
Milling fractions (except flour) of wheat .....	1.5
Mint, hay .....	0.8
Mint oil .....	8
Nectarine .....	0.05
Peach .....	0.05
Peanut oil .....	0.4
Peanut .....	0.2
Pear .....	0.05
Plum .....	0.05
Poultry, meat, fat, and meat byproducts (inc. turkeys) .....	0.1
Pumpkin .....	0.05
Radish .....	2
Rutabagas .....	0.5
Sheep, fat .....	0.2
Sheep, meat and meat byproducts .....	0.05
Soybean, forage .....	0.7
Soybean, seed .....	0.3
Strawberry .....	0.2
Sweet potato, roots .....	0.05
Turnip, greens .....	0.3
Turnip .....	1
Wheat, grain .....	0.5
Wheat, straw .....	6
Wheat, forage .....	3

(3) Chlorpyrifos [*O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridyl) phosphorothioate] may be safely used in accordance with the following prescribed conditions.

(i) Application shall be limited solely to spot and/or crack and crevice treatment in food handling establishments where food and food products are held, processed, prepared or served. Contamination of food or food contact surfaces shall be avoided. Food must be removed or covered during treatment.

(ii) Spray concentration for spot treatment shall be limited to a maximum of 0.5 percent of the active ingredient by weight. A course, low-pressure spray shall be used to avoid atomization or splashing of the spray.

(iii) Paint-on application for spot treatment shall be limited to a maximum of 2 percent of the active ingredient by weight.

(iv) Crack and crevice treatment shall be limited to a maximum of 2 percent of the active ingredient by weight. Equipment capable of delivering a pin-stream of insecticide shall be used.

(v) Application via adhesive strips shall contain a maximum of 10% by weight of the controlled-release product in food-handling establishments where food and food products are held, processed, prepared, or served. A maximum of 36 strips (or 5.15 grams of chlorpyrifos) is to be used per 100 square feet of floor space. The strips are not to be placed in exposed areas where direct contact with food, utensils, and food-contact surfaces would be likely to occur.

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

(4) 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

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and crevices or capable of applying small amounts of insecticide into cracks and crevices shall be used.

(iv) For spot treatment, an individual spot shall not exceed 2 square feet.

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

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

(c) *Tolerances with regional registrations.* (1) Tolerances with regional registration, as defined in §180.1(n), are established for the combined residues of chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol in or on the following food commodities:

Commodity	Parts per million
Asparagus .....	5.0
Grape .....	0.5
Leek (of which no more than 0.2 ppm is chlorpyrifos) .....	0.5

(2) Tolerances with regional registration, as defined in §180.1(n), are established for residues of the pesticide chlorpyrifos (*O,O*-diethyl *O*-(3,5,6-trichloro-2-pyridyl)phosphorothioate) in or on the following food commodities:

Commodity	Parts per million
Cherimoya .....	0.05
Feijoa (pineapple guava) .....	0.05
Sapote .....	0.05

(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]

**§ 180.345 Ethofumesate; tolerances for residues.**

(a) *General.* (1) Tolerances are established for 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 the parent compound) in

or on the following raw agricultural commodities:

Commodity	Parts per million
Beet, garden, roots .....	0.5
Beet, garden, tops .....	4.0
Beet, sugar, roots .....	0.1
Beet, sugar, tops .....	1.00
Cattle, fat .....	0.05
Cattle, meat byproducts .....	0.05
Cattle, meat .....	0.05
Garlic, bulb .....	0.25
Goat, fat .....	0.05
Goat, meat byproducts .....	0.05
Goat, meat .....	0.05
Grass, straw .....	1
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
Onion, bulb .....	0.25
Shallot, bulb .....	0.25
Shallot, fresh leaves .....	0.25
Sheep, fat .....	0.05
Sheep, meat byproducts .....	0.05
Sheep, meat .....	0.05

(2) Tolerances are established for combined residues of the herbicide ethofumesate (2-ethoxy-2,3-dihydro-3,3-dimethyl-5-benzofuranyl methanesulfonate; CAS Reg. No. 26225-79-6) 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 following processed feeds when present therein as a result of application of the herbicide to the growing crops:

Commodity	Parts per million
Sugar beet molasses .....	0.5

(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: