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Commodity	Parts per million	Expiration/Revocation Date
Almond	0.1	None
Apple	2	None
Apricot	10	None
Banana (not more than 0.5 part per million) shall be in the pulp after peel is removed and discarded (preharvest application only)	4	None
Bean (dry form)	7	None
Bean, succulent	10	None
Beet, sugar, tops	45	None
Broccoli	10	None
Brussels sprouts	10	None
Cabbage	10	None
Cabbage, chinese	10	None
Carrots	7	None
Cauliflower	10	None
Celery	5	None
Collards	10	None
Cranberry	7	None
Cucumber	4	None
Eggplant	7	None
Endive (escarole)	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
Sweet corn, kernel plus cob with husks removed	5	None
Tomato	4	None
Turnip, roots	7	None
Turnip, tops	10	None

(b) *Section 18 emergency exemptions.* A time-limited tolerance is established for residues of the fungicide maneb (manganous 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	12/31/03

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

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

[62 FR 49924, Sept. 24, 1997, as amended at 63 FR 57072, Oct. 26, 1998; 64 FR 13103, Mar. 17, 1999; 64 FR 72284, Dec. 27, 1999; 66 FR 64773, Dec. 14, 2001]

§ 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 (PRE-H)	135
Almond, hulls (PRE-H)	50
Almond (PRE- and POST-H)	8
Almonds, shells	50
Apple (PRE-H)	8
Apricot (PRE-H)	8
Asparagus (PRE-H)	8
Avocado (PRE-H)	8
Barley, grain (PRE- and POST-H)	8
Bean (PRE-H)	8
Beet (including tops) (PRE-H)	8
Beet, sugar, roots (PRE-H)	1
Beet, sugar, tops (PRE-H)	8
Blackberry (PRE-H)	8
Blueberry (PRE-H)	8
Boysenberry (PRE-H)	8
Carrots (PRE-H)	8
Cattle, fat (PRE-S)	4
Cattle, meat byproducts <sup>1</sup> (PRE-S)	4
Cattle, meat <sup>1</sup> (PRE-S)	4
Chayote fruit	8
Chayote roots	8
Cherry (PRE-H)	8
Chestnut (PRE-H)	1
Clover (PRE-H)	135
Corn, forage (PRE-H)	8
Corn, fresh (including sweet, kernel plus cob with husks removed) (PRE-H)	2
Corn, grain, postharvest	8
Cottonseed (PRE-H)	2
Cowpea, forage (PRE-H)	135
Cowpea, hay (PRE-H)	135
Cranberry (PRE-H)	8
Cucumber (PRE-H)	8
Currant (PRE-H)	8
Dates (PRE-H)	8
Dewberry (PRE-H)	8
Eggplant (PRE-H)	8
Egg (from application to poultry)	0.1
Fig (PRE-H)	8
Filbert (PRE-H)	1
Flax seed	0.1
Flax, straw	1
Garlic (PRE-H)	8
Goat, fat (PRE-S)	4
Goat, meat byproducts <sup>1</sup> (PRE-S)	4
Goat, meat <sup>1</sup> (PRE-S)	4
Gooseberry (PRE-H)	8
Grapefruit (PRE-H)	8
Grape (PRE-H)	8
Grass (PRE-H)	135
Grass, hay (PRE-H)	135
Guava (PRE-H)	8

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Commodity	Parts per million
Hog, fat (PRE-S)	4
Hog, meat byproducts <sup>1</sup> (PRE-S)	4
Hog, meat <sup>1</sup> (PRE-S)	4
Hop (PRE-H)	1
Horseradish (PRE-H)	8
Horse, fat (PRE-S)	4
Horse, meat byproducts <sup>1</sup> (PRE-S)	4
Horse, meat <sup>1</sup> (PRE-S)	4
Kumquat (PRE-H)	8
Leek (PRE-H)	8
Lemon (PRE-H)	8
Lentils (PRE-H)	8
Lespedeza, hay (PRE-H)	135
Lespedeza, seed (PRE-H)	8
Lespedeza, straw (PRE-H)	135
Lime (PRE-H)	8
Loganberry (PRE-H)	8
Lupine, seed (PRE-H)	8
Mango (PRE-H)	8
Melon (PRE-H)	8
Milk, fat (from application to dairy cows)	0.5
Mushroom (PRE-H)	8
Nectarine (PRE-H)	8
Nut, macadamia (PRE-H)	1
Oat, grain (PRE- and POST-H)	8
Okra (PRE-H)	8
Onion (including green onion) (PRE-H)	8
Oranges (PRE-H)	8
Papaya (PRE-H)	1
Parsnip (PRE-H)	8
Passionfruit (PRE-H)	8
Peach (PRE-H)	8
Peanut, forage (PRE-H)	135
Peanut, hay (PRE-H)	135
Peanut (PRE- and POST-H)	8
Pear (PRE-H)	8
Pea (PRE-H)	8
Peavine, hay (PRE-H)	8
Peavines (PRE-H)	8
Pecans (PRE-H)	8
Peppermint (PRE-H)	8
Pepper (PRE-H)	8
Pineapple (PRE-H)	8
Plum (PRE-H)	8
Potato (PRE-H)	8
Poultry, fat (PRE-S)	4
Poultry, meat byproducts <sup>1</sup> (PRE-S)	4
Poultry, meat <sup>1</sup> (PRE-S)	4
Plum, prune (PRE-H)	8
Pumpkin (PRE-H)	8
Quince (PRE-H)	8
Radish (PRE-H)	8
Raspberry (PRE-H)	8
Rice, grain (PRE- and POST-H)	8
Rice, wild	8
Rutabagas (PRE-H)	8
Rye, grain (PRE- and POST-H)	8
Safflower, seed (PRE-H)	0.2
Salsify (including tops) (PRE-H)	8
Shallots (PRE-H)	8
Sheep, fat (PRE-S)	4
Sheep, meat byproducts <sup>1</sup> (PRE-S)	4
Sheep, meat <sup>1</sup> (PRE-S)	4
Sorghum, forage (PRE-H)	8
Sorghum, grain (PRE- and POST-H)	8
Soybean (dry and succulent) (PRE-H)	8
Soybean, forage (PRE-H)	135
Soybean, hay (PRE-H)	135
Spearmint (PRE-H)	8
Squash, summer and winter (PRE-H)	8
Strawberry (PRE-H)	8
Sunflower, seed (Post-H)	8
Sweet potato (PRE-H)	1

Commodity	Parts per million
Tangerine (PRE-H)	8
Tomato (PRE-H)	8
Trefoil, birdsfoot, forage (PRE-H)	135
Trefoil, birdsfoot, hay (PRE-H)	135
Turnip (including tops) (PRE-H)	8
Vegetable, brassica, leafy, group	8
Vegetables, leafy (except <i>Brassica</i> )	8
Vetch, hay (PRE-H)	135
Vetch, seed (PRE-H)	8
Vetch, straw (PRE-H)	135
Walnut (PRE-H)	8
Wheat, grain (PRE- and POST-H)	8

<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.

(2) 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.

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

(4) Malathion may be safely used for the control of insects during the drying of grape (raisins) in compliance with paragraph (a)(2) of this section by incorporation into paper trays in amounts not exceeding 100 milligrams per square foot.

(5) 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 dehydrated citrus 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 dried citrus pulp shall not exceed 50 parts per million.

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(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]

**§ 180.113 Allethrin (allyl homolog of cinerin I); tolerances for residues.**

Tolerances are established for residues of the insecticide allethrin (allyl homolog of cinerin I) as follows:

4 parts per million from postharvest use in or on the following raw agricultural commodities: Apple, blackberry, blueberry (huckleberry), boysenberry, cherry, crabapple, currant, dewberry, fig, gooseberry, grape, guava, loganberry, mango, muskmelon, oranges, peach, pear, pineapple, plum, prune, fresh, raspberry, tomato.

2 parts per million from postharvest use in or on the following grains: Barley, corn, grain sorghum, milo, oat, rye, wheat.

**§ 180.114 Ferbam; tolerances for residues.**

(a) *General.* Tolerances for residues of the fungicide ferbam (ferric dimethyl-dithiocarbamate), calculated as zinc ethylenebisdithiocarbamate, in or on raw agricultural commodities are established as follows:

Commodity	Parts per million
Apple .....	7 <sup>1</sup>
Apricot .....	7 <sup>1</sup>
Asparagus .....	7 <sup>1</sup>
Bean .....	7 <sup>1</sup>
Blackberry .....	7 <sup>1</sup>
Blueberry (huckleberry) .....	7 <sup>1</sup>
Boysenberry .....	7 <sup>1</sup>
Cabbage .....	7 <sup>1</sup>
Cherry .....	7 <sup>1</sup>
Cranberry .....	7 <sup>1</sup>
Cucumber .....	7 <sup>1</sup>
Dewberry .....	7 <sup>1</sup>

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Fruit, citrus .....	7 <sup>1</sup>
Grape .....	7 <sup>1</sup>
Guava .....	7 <sup>1</sup>
Lettuce .....	7 <sup>1</sup>
Loganberry .....	7 <sup>1</sup>
Mango .....	7 <sup>1</sup>
Nectarine .....	7 <sup>1</sup>
Papaya .....	7 <sup>1</sup>
Peach .....	7 <sup>1</sup>
Pear .....	7 <sup>1</sup>
Pea .....	7 <sup>1</sup>
Raspberry .....	7 <sup>1</sup>
Squash .....	7 <sup>1</sup>
Tomato .....	7 <sup>1</sup>
Youngberry .....	7 <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 Pub. L. 518, 83d Congress (68 Stat. 511).

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

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

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

[63 FR 57072, Oct. 26, 1998]

**§ 180.116 Ziram; tolerances for residues.**

Tolerances for residues of the fungicide ziram (zinc dimethyldithiocarbamate), calculated as zinc ethylenebis-dithiocarbamate, in or on raw agricultural commodities are established as follows:

7<sup>1</sup> parts per million in or on Apple, Apricot, Bean, Beet (with or without tops) or Beet greens alone, Blackberry, Blueberry (huckleberry), Boysenberry, Broccoli, Brussels sprouts, Cabbage, Carrots, Cauliflower, Celery, Cherry, Collards, Cranberry, Cucumber, Dewberry, Eggplant, Gooseberry, Grape, Kale, Kohlrabi, Lettuce, Loganberry, Melon, Nectarine, Onion, Peach, Peanut, Pear, Pea, Pepper, Pumpkin, Quince, Radish (with or without tops) or radish tops, Raspberry, Rutabagas (with or without tops) or rutabaga tops, Spinach, Squash, Squash, summer, Strawberry, Tomato, Turnip (with or without tops) or Turnip, greens, Youngberry.

0.1 part per million in or on almonds, pecans.

<sup>1</sup> See footnote 1 to § 180.114.