

Environmental Protection Agency

§ 180.438

**§ 180.437 Methyl 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-p-toluate and methyl 6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-m-toluate; tolerances for residues.**

Tolerances are established for the combined residues of the herbicide methyl 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-p-toluate and methyl 6-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-m-toluate in or on the following raw agricultural commodities:

Commodity	Parts per million
Barley, grain .....	0.10
Barley, straw .....	2.00
Sunflower, seed .....	0.10
Wheat, grain .....	0.10
Wheat, straw .....	2.00

[53 FR 24069, June 27, 1988]

**§ 180.438 Lambda-cyhalothrin and an isomer gamma-cyhalothrin; tolerances for residues.**

(a) *General.* (1) Tolerances are established for the combined residues of the pyrethroid lambda-cyhalothrin, 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and its epimer expressed as epimer of lambda-cyhalothrin, a 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate, on plants and livestock, as indicated in the following table.

Commodity	Parts per million
Alfalfa, forage .....	5.0
Alfalfa, hay .....	6.0
Almond, hulls .....	1.5
Apple pomace, wet .....	2.50
Avocados (imported) .....	0.20
Brassica, head and stem, subgroup 5A .....	0.4
Canola, seed .....	1.0
Canola, oil .....	2.0
Cattle, fat .....	3.0
Cattle, meat .....	0.2
Cattle, meat byproducts .....	0.2

Commodity	Parts per million
Corn, forage .....	6.0
Corn, grain (field and pop) .....	0.05
Corn, grain flour .....	0.15
Corn, stover .....	1.0
Corn, sweet, kernel plus cob with husks removed .....	0.05
Cotton, undelinted seed .....	0.05
Dry bulb onion .....	0.1
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
Hog, fat .....	3.0
Hog, meat .....	0.2
Hog, meat byproducts .....	0.2
Hop, dried cone .....	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 0.2 ppm in whole milk) .....	5.0
Nut, tree, group 14 .....	0.05
Pea and bean, dried shelled,(except soybean), subgroup .....	0.10
Pea and bean, succulent shelled, subgroup 6B .....	0.01
Peanut .....	0.05
Peanut, hay .....	3.0
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
Soybean .....	0.01
Sorghum, 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, oil .....	0.30
Sunflowers, seed .....	0.2
Tomato .....	0.1
Tomato, pomace (dry or wet) .....	6.0
Vegetables, fruiting, group (except cucurbits) .....	0.20
Vegetables, legume, edible podded, subgroup 6A .....	0.20
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-

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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
Aspirated grain fractions	2.0
Avocados (imported)	0.20
Brassica, head and stem, subgroup	0.4
Canola, seed	0.15
Cattle, fat	3
Cattle, meat	0.2
Cattle, meat byproducts	0.2
Corn, grain (field and pop)	0.05
Corn, fodder	1.0
Corn, forage	6.0
Corn, grain flour	0.15
Corn, sweet, kernel plus cob with husks removed	0.05
Cottonseed	0.05
Dry bulb onion	0.1
Egg	0.01
Fruit, pome, group	0.30
Fruit, stone, group	0.50
Garlic	0.10
Goat, fat	3.0
Goat, meat	0.2
Goat, meat byproducts	0.2
Hog, fat	3.0
Hog, meat	0.2
Hog, meat byproducts	0.2
Horse, fat	3.0
Horse, meat	0.2
Horse, meat byproducts	0.2
Lettuce, head	2.0
Lettuce, leaf	2.0
Milk fat (reflecting 0.20 ppm in whole milk)	5.0
Nut, tree, group	0.05
Pea and bean, dried shelled,(except soybean), subgroup	0.10
Pea and bean, succulent shelled, subgroup	0.01
Peanut	0.05
Peanut, hay	3.0
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	0.20
Sorghum, grain, forage	0.30
Sorghum, grain, stover	0.50
Soybean	0.01
Sugarcane	0.05
Sunflower, forage	0.20
Sunflower, seed hulls	0.50
Sunflower, oil	0.30
Sunflowers, seed	0.20
Tomato	0.10
Tomato, pomace (dry or wet)	6.0
Vegetables, fruiting, group (except cucurbits)	0.20
Vegetables, legume, edible podded, subgroup	0.20
Wheat, grain	0.05
Wheat, forage	2.0
Wheat, hay	2.0
Wheat, straw	2.0

Commodity	Parts per million
Wheat, bran	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 food additive tolerance of 0.01 part per million is established for residues of the insecticide [1α(S\*),3α(Z)]-(±)-cyano(3-phenoxyphenyl)methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate (lambdacyhalothrin) 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 where food products are held, processed, or prepared.

(ii) Application shall be limited solely to spot and/or crack and crevice treatment with a spray solution maximum of a 0.06-percent active ingredient by weight. Food must be removed or covered during treatment. Spray should not be applied directly to surfaces or utensils that may come into contact with food. Food-contact surfaces and equipment should be thoroughly cleaned with an effective cleaning compound and rinsed with potable water before using.

(iii) For spot treatment, a coarse low-pressure spray shall be used. Limit individual spot treatments to an area no larger than 20 percent of the surface area. Any individual spot treatment shall not exceed 2 square feet.

(iv) For crack and crevice treatment, equipment capable of delivering a pin-stream of spray directly into the cracks and crevices shall be used.

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

(b) Section 18 emergency exemptions. Time-limited tolerances are established for combined residues of the insecticide lambda-cyhalothrin (a 1:1 mixture of (S)-α-cyano-3-phenoxybenzyl-(Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-

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dimethylcyclopropanecarboxylate and its epimer a 1:1 mixture of (S)- $\alpha$ -cyano-3-phenoxybenzyl-(Z)-(1S,3S)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)- $\alpha$ -cyano-3-phenoxybenzyl (Z)-(1R,3R)-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	12/31/05
Barley, grain .....	0.05	12/31/05
Barley, hay .....	2.0	12/31/05
Barley, straw .....	2.0	12/31/05
Clover, forage .....	5.0	12/31/05
Clover, hay .....	6.0	12/31/05
Grass, forage .....	5.0	12/31/05
Grass, hay .....	6.0	12/31/05
Rice, wild .....	1.0	12/31/05

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

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

[62 FR 36671, July 9, 1997, as amended at 62 FR 56102, Oct. 29, 1997; 62 FR 63010, Nov. 26, 1997; 63 FR 7299, Feb. 13, 1998; 64 FR 4590, Jan. 29, 1999; 65 FR 82940, Dec. 29, 2000; 67 FR 35048, May 17, 2002; 67 FR 60915, Sept. 27, 2002; 68 FR 291, Jan. 3, 2003; 68 FR 2247, Jan. 16, 2003; 68 FR 52362, Sept. 3, 2003; 69 FR 18487, Apr. 8, 2004]

**§ 180.439 Thifensulfuron methyl (methyl-3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophene carboxylate); tolerances for residues.**

Tolerances are established for residues of the herbicide thifensulfuron methyl (methyl-3-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-2-thiophene carboxylate) in or on the following raw agricultural commodities:

Commodity	Parts per million
Barley, grain .....	0.05
Barley, straw .....	0.1
Oat, grain .....	0.05
Oat, straw .....	0.10
Soybean .....	0.1
Wheat, grain .....	0.05
Wheat, straw .....	0.1

[59 FR 32085, June 22, 1994]

**§ 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)-( $\pm$ )-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, fodder and forage, pop and sweet ...	0.06
Corn, fresh (including sweet K and corn with husk removed (CWHR) .....	0.06
Corn, field, grain and pop .....	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]

**§ 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
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-