Environmental Protection Agency § 180.438

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### § 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, a 1:1 mixture of (S)-α-cyano-3-phenoxycyzal-((Z)-1(R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxycyzal-((Z)-1(R,3R)-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-phenoxycyzal-((Z)-1(R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate and (R)-α-cyano-3-phenoxycyzal-((Z)-1(R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate, on plants and livestocks, as indicated in the following table.

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Parts per million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomato, pomace</td>
<td>5.0</td>
</tr>
<tr>
<td>Triticale, grain</td>
<td>0.15</td>
</tr>
<tr>
<td>Tump, greens</td>
<td>7.0</td>
</tr>
<tr>
<td>Vegetable, cucurbit, group 9</td>
<td>0.1</td>
</tr>
<tr>
<td>Vegetable, fruiting, group 8</td>
<td>0.5</td>
</tr>
<tr>
<td>Vegetable, leafy greens, except Brassica, group 4</td>
<td>6.0</td>
</tr>
<tr>
<td>Vegetable, tuberos and corn, subgroup 1C</td>
<td>0.01</td>
</tr>
<tr>
<td>Wheat, bran</td>
<td>0.5</td>
</tr>
<tr>
<td>Wheat, grain</td>
<td>0.15</td>
</tr>
<tr>
<td>Wheat, shorts</td>
<td>0.5</td>
</tr>
</tbody>
</table>

(b) Section 18 emergency exemptions. [Reserved]

(c) Tolerances with regional registrations. [Reserved]

(d) Indirect or inadvertent residues. [Reserved]

[53 FR 12492, 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 at www.fdsys.gov.

### § 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:

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Parts per million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa, forage</td>
<td>5.0</td>
</tr>
<tr>
<td>Alfalfa, hay</td>
<td>6.0</td>
</tr>
<tr>
<td>Almond, hulls</td>
<td>1.5</td>
</tr>
<tr>
<td>Apple, wet pomace</td>
<td>2.5</td>
</tr>
<tr>
<td>Avocado, imported</td>
<td>0.2</td>
</tr>
<tr>
<td>Barley, bran</td>
<td>0.2</td>
</tr>
<tr>
<td>Barley, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Barley, hay</td>
<td>2.0</td>
</tr>
<tr>
<td>Barley, straw</td>
<td>2.0</td>
</tr>
<tr>
<td>Brassica, head and stem, subgroup 5A</td>
<td>0.4</td>
</tr>
<tr>
<td>Buckwheat, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Canola, refined oil</td>
<td>2.0</td>
</tr>
<tr>
<td>Canola, seed</td>
<td>1.0</td>
</tr>
<tr>
<td>Cattle, fat</td>
<td>3.0</td>
</tr>
<tr>
<td>Cattle, meat</td>
<td>0.2</td>
</tr>
<tr>
<td>Cattle, meat byproducts</td>
<td>0.2</td>
</tr>
<tr>
<td>Corn, field, flour</td>
<td>0.15</td>
</tr>
<tr>
<td>Corn, field, forage</td>
<td>6.0</td>
</tr>
<tr>
<td>Corn, field, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Corn, field, stover</td>
<td>1.0</td>
</tr>
<tr>
<td>Corn, pop, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Corn, pop, grain, flour</td>
<td>0.05</td>
</tr>
<tr>
<td>Corn, pop, stover</td>
<td>1.0</td>
</tr>
<tr>
<td>Corn, sweet, forage</td>
<td>6.0</td>
</tr>
<tr>
<td>Corn, sweet, stover</td>
<td>1.0</td>
</tr>
<tr>
<td>Corn, sweet, kernel plus cob with husks removed</td>
<td>0.05</td>
</tr>
<tr>
<td>Cotton, undelinted seed</td>
<td>0.05</td>
</tr>
<tr>
<td>Egg</td>
<td>0.01</td>
</tr>
<tr>
<td>Fruit, pome, group 11</td>
<td>0.30</td>
</tr>
<tr>
<td>Fruit, stone, group 12</td>
<td>0.50</td>
</tr>
<tr>
<td>Garlic</td>
<td>0.1</td>
</tr>
<tr>
<td>Goat, fat</td>
<td>3.0</td>
</tr>
<tr>
<td>Goat, meat</td>
<td>0.2</td>
</tr>
<tr>
<td>Goat, meat byproducts</td>
<td>0.2</td>
</tr>
<tr>
<td>Grass, forage, fodder and hay, group 17</td>
<td>7.0</td>
</tr>
<tr>
<td>Hog, fat</td>
<td>0.2</td>
</tr>
<tr>
<td>Hog, meat</td>
<td>0.01</td>
</tr>
<tr>
<td>Hog, meat byproducts</td>
<td>0.02</td>
</tr>
<tr>
<td>Hop, dried cones</td>
<td>10.0</td>
</tr>
<tr>
<td>Horse, fat</td>
<td>3.0</td>
</tr>
<tr>
<td>Horse, meat</td>
<td>0.2</td>
</tr>
<tr>
<td>Horse, meat byproducts</td>
<td>0.2</td>
</tr>
<tr>
<td>Lettuce, head</td>
<td>2.0</td>
</tr>
<tr>
<td>Lettuce, leaf</td>
<td>2.0</td>
</tr>
<tr>
<td>Milk, fat (reflecting 0.4 ppm in whole milk)</td>
<td>10.0</td>
</tr>
<tr>
<td>Nut, tree, group 14</td>
<td>0.05</td>
</tr>
<tr>
<td>Oat, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Oat, forage</td>
<td>2.0</td>
</tr>
<tr>
<td>Oat, hay</td>
<td>2.0</td>
</tr>
<tr>
<td>Oat, straw</td>
<td>2.0</td>
</tr>
<tr>
<td>Onion, bulb</td>
<td>0.1</td>
</tr>
<tr>
<td>Pea and bean, dried shell, except soybean, subgroup 6C</td>
<td>0.10</td>
</tr>
</tbody>
</table>

[53 FR 21069, June 27, 1988]
(2) Tolerances\(^1\) are established for the combined residues of the pyrethroid [gamma-cyhalothrin (the isolated active isomer of lambda-cyhalothrin) \((S)-1\text{cyano-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate})\) and its epimer \((R)-1\text{cyano-3-phenoxybenzyl (Z)-(1R,3R)-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate})\) on the following commodities:

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Parts per million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa, forage</td>
<td>5</td>
</tr>
<tr>
<td>Alfalfa, hay</td>
<td>6</td>
</tr>
<tr>
<td>Almond, hulls</td>
<td>1.5</td>
</tr>
<tr>
<td>Apple, pared, wet</td>
<td>2.50</td>
</tr>
<tr>
<td>Avocado, imported</td>
<td>0.20</td>
</tr>
<tr>
<td>Brassica, head and stem, subgroup 5A</td>
<td>0.4</td>
</tr>
<tr>
<td>Carola, seed</td>
<td>0.15</td>
</tr>
<tr>
<td>Cattle, fat</td>
<td>3</td>
</tr>
<tr>
<td>Cattle, meat</td>
<td>2</td>
</tr>
<tr>
<td>Cattle, meat byproducts</td>
<td>0.2</td>
</tr>
<tr>
<td>Corn, field, flour</td>
<td>0.15</td>
</tr>
<tr>
<td>Corn, field, forage</td>
<td>6.0</td>
</tr>
<tr>
<td>Corn, field, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Peanut</td>
<td>0.05</td>
</tr>
<tr>
<td>Peanut, hay</td>
<td>3.0</td>
</tr>
<tr>
<td>Pistachio</td>
<td>0.06</td>
</tr>
<tr>
<td>Poultry, fat</td>
<td>0.05</td>
</tr>
<tr>
<td>Poultry, meat</td>
<td>0.01</td>
</tr>
<tr>
<td>Poultry, meat byproducts</td>
<td>0.01</td>
</tr>
<tr>
<td>Poultry, meat byproducts, subgroup 6A</td>
<td>0.01</td>
</tr>
<tr>
<td>Rice, grain</td>
<td>1.0</td>
</tr>
<tr>
<td>Rice, hulls</td>
<td>5.0</td>
</tr>
<tr>
<td>Rice, straw</td>
<td>2.0</td>
</tr>
<tr>
<td>Sheep, fat</td>
<td>0.2</td>
</tr>
<tr>
<td>Sheep, meat</td>
<td>0.2</td>
</tr>
<tr>
<td>Sheep, milk (replacing 0.20 ppm in whole milk)</td>
<td>5.0</td>
</tr>
<tr>
<td>Sunflower, forage</td>
<td>0.2</td>
</tr>
<tr>
<td>Sunflower, seed, hulls</td>
<td>0.50</td>
</tr>
<tr>
<td>Sunflower, refined oil</td>
<td>0.30</td>
</tr>
<tr>
<td>Tomato</td>
<td>0.1</td>
</tr>
<tr>
<td>Tomato, dry pomace</td>
<td>6.0</td>
</tr>
<tr>
<td>Tomato, wet pomace</td>
<td>6.0</td>
</tr>
<tr>
<td>Vegetable, cucurb, group 9</td>
<td>0.05</td>
</tr>
<tr>
<td>Vegetable, fruiting, group 8</td>
<td>0.20</td>
</tr>
<tr>
<td>Vegetable, tuberous and corn, subgroup 1C</td>
<td>0.20</td>
</tr>
<tr>
<td>Wheat, grain</td>
<td>0.05</td>
</tr>
<tr>
<td>Wheat, forage</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, hay</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, straw</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, bran</td>
<td>0.2</td>
</tr>
<tr>
<td>Wheat, bran, ready covered by a higher tolerance as food commodities (other than those already covered by a higher tolerance)</td>
<td>0.05</td>
</tr>
<tr>
<td>Wheat, straw</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, grain</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, hay</td>
<td>2.0</td>
</tr>
<tr>
<td>Wheat, bran, ready covered by a higher tolerance as food commodities (other than those already covered by a higher tolerance)</td>
<td>0.05</td>
</tr>
</tbody>
</table>

(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

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\(^1\) The analytical enforcement methods for lambda-cyhalothrin residues are applicable for determination of gamma-cyhalothrin residues in plant and animal commodities.
a result of use on growing crops in food-handling establishments where food products are held, processed, or prepared.

(b) Section 18 emergency exemptions. 
[Reserved]

(c) Tolerances with regional registrations. [Reserved]

(d) Indirect or inadvertent residues. [Reserved]

§ 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).

(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).

(d) Indirect or inadvertent residues. [Reserved]

§ 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)-(Z)-(Z)-(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:

(b) Section 18 emergency exemptions. [Reserved]

(c) Tolerances with regional registrations. [Reserved]

(d) Indirect or inadvertent residues. [Reserved]

§ 180.441 Quizalofop ethyl; tolerances for residues.

(a) General. (1) Tolerances are established for the combined residues of the herbicide quizalofop (2-[4-(6-chloroquinolin-2-yl)phenoxy]propanoic acid) and quizalofop ethyl (ethyl-2-[4-(6-