

Deltamethrin and Tralomethrin

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Wheat	2	2
Barley	2	2
Rye	2	2
Corn (maize, including pop corn and sweet corn)		0.02
Corn (maize, including pop corn) (except immature)	2	
Corn (sweet corn) (limited to immature)	0.02	
Buckwheat	2	2
Other cereal grains ¹	2	2
Soybeans, dry	1	1
Beans, dry ²	1	1
Peas	1	1
Broad beans	1	1
Other pulses ³	1	1
Potato	0.02	0.02
Japanese yam (including Chinese yam)	0.02	0.02
Japanese radish, roots (including radish)	0.2	0.2
Japanese radish, leaves (including radish)	2	2
Turnip, roots (including rutabaga)	0.2	0.2
Turnip, leaves (including rutabaga)	2	2
Horseradish	0.2	0.2
Watercress	2	2
Chinese cabbage	0.5	0.5
Cabbage	0.1	0.1
Brussels sprouts	0.1	0.1
Kale	2	2
Komatsuna (Japanese mustard spinach)	2	2
Kyona	2	2
Qing-geng-cai	2	2
Cauliflower	0.1	0.1
Broccoli	0.2	0.2
Other cruciferous vegetables ⁴	2	2
Burdock	0.2	0.2
Salsify	0.2	0.2
Artichoke	0.5	0.5
Chicory	2	2
Endive	2	2
Shungiku	2	2
Lettuce (including cos lettuce and leaf lettuce)	0.5	0.5
Other composite vegetables ⁵	2	2

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Onion	0.05	0.05
Welsh (including leek)	0.2	0.2
Asparagus	0.05	0.05
Carrot	0.2	0.2
Parsnip	0.2	0.2
Other umbelliferous vegetables ⁶	0.2	0.2
Tomato	0.3	0.3
Pimiento (sweet pepper)	0.3	0.3
Egg plant	0.3	0.3
Other solanaceous vegetables ⁷	2	2
Cucumber (including gherkin)	0.2	0.2
Pumpkin (including squash)	0.2	0.2
Oriental pickling melon (vegetable)	0.2	0.2
Water melon		0.02
Water melon (whole commodity after removal of stems)	0.2	
Melons		0.03
Melons (whole commodity after removal of stems)	0.2	
Other cucurbitaceous vegetables ⁸	2	2
Okra	0.3	0.3
Ginger	○ 0.5	0.02
Peas, immature (with pods)	● 0.3	0.5
Kidney beans, immature (with pods)	0.2	0.2
Green soybeans	0.2	0.2
Button mushroom	0.05	0.05
Other vegetables ⁹	2	2
Unshu orange, pulp		0.02
Unshu orange (whole commodity)	0.5	
Citrus natsudaidai, whole	0.3	0.3
Lemon	0.5	0.5
Orange (including navel orange)	0.5	0.5
Grapefruit	0.5	0.5
Lime	0.5	0.5
Other citrus fruits ¹⁰	0.5	0.5
Apple	0.3	0.3
Japanese pear	0.3	0.3
Pear	0.3	0.3
Quince	0.2	0.2
Loquat		0.02
Loquat (whole commodity after removal of stems)	0.3	

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Peach		0.02
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	0.5	
Nectarine	0.3	0.3
Apricot	0.2	0.2
Japanese plum (including prune)	0.07	0.07
Mume plum	0.5	0.5
Cherry	0.2	0.2
Strawberry	0.2	0.2
Raspberry	0.3	0.3
Blackberry	0.1	0.1
Blueberry	0.3	0.3
Grape	● 0.6	0.7
Japanese persimmon	0.3	0.3
Kiwifruit		0.03
Kiwifruit (whole commodity)	0.7	
Other fruits ¹¹	1	1
Sunflower seeds	0.05	0.05
Cotton seeds	0.04	0.04
Rapeseeds	0.2	0.2
Other oil seeds ¹²	0.2	0.2
Ginkgo nut	0.1	0.1
Chestnut	0.1	0.1
Pecan	0.1	0.1
Almond	0.1	0.1
Walnut	0.1	0.1
Other nuts ¹³	0.1	0.1
Tea	5	5
Other spices ¹⁴	2	2
Other herbs ¹⁵	0.5	0.5
Cattle, muscle	0.5	0.5
Pig, muscle	0.5	0.5
Other terrestrial mammals ¹⁶ , muscle	0.5	0.5
Cattle, fat	0.5	0.5
Pig, fat	0.5	0.5
Other terrestrial mammals, fat	0.5	0.5
Cattle, liver	0.05	0.05
Pig, liver	0.03	0.03
Other terrestrial mammals, liver	0.05	0.05
Cattle, kidney	0.05	0.05
Pig, kidney	0.03	0.03

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Other terrestrial mammals, kidney	0.05	0.05
Cattle, edible offal ¹⁷	0.05	0.05
Pig, edible offal	0.03	0.03
Other terrestrial mammals, edible offal	0.05	0.05
Milk	0.05	0.05
Chicken, muscle	0.1	0.1
Other poultry ¹⁸ , muscle	0.1	0.1
Chicken, fat	0.5	0.5
Other poultry, fat	0.5	0.5
Chicken, liver	0.05	0.05
Other poultry, liver	0.05	0.05
Chicken, kidney	0.05	0.05
Other poultry, kidney	0.05	0.05
Chicken, edible offal	0.05	0.05
Other poultry, edible offal	0.05	0.05
Chicken eggs	0.03	0.03
Other poultry, eggs	0.03	0.03
Salmoniformes (such as salmon and trout)	0.03	0.03
Wheat flour (limited to whole grain)	2	2

- : Commodities for which MRLs are lowered. These MRLs are to be taken effect on 13 May 2022.
○ : Commodity for which MRL is raised. The MRL has been taken effect on 13 May 2021.

Note: The residue definition is the sum of Deltamethrin (including Deltamethlin converted from Tralomethrin), Totalomethrin, metabolite CR [(R)- α -cyano-3-phenoxybenzyl=(1R,3R)-3-(dibromovinyl)-2,2-dimethylcyclopropanecarboxylate] and metabolite CT [(S)- α -cyano-3-phenoxybenzyl=(1S,3S)-3-(dibromovinyl)-2,2-dimethylcyclopropanecarboxylate], expressed as Deltamethrin.

* The uniform limit 0.01 ppm is applied to commodities not listed above.

* Diagonal line means a food category to which MRL applies is not set.

* Regarding the MRLs in food categories, "Corn (maize, including pop corn and sweet corn)", "Water melon", "Melons", "Unshu orange, pulp", "Loquat", "Peach" and "Kiwifruit" are deleted, whereas new ones are established in foods categorized as "Corn (maize, including pop corn) (except immature)", "Corn (sweet corn) (limited to immature)", "Water melon (whole commodity after removal of stems)", "Melons (whole commodity after removal of stems)", "Unshu orange (whole commodity)", "Loquat (whole commodity after removal of stems)", "Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)" and "Kiwifruit (whole commodity)", respectively, followed by the current food category system for MRLs for agricultural and veterinary chemicals in Japan (these MRLs are to be taken effect on 13 May 2022).

1. "Other cereal grains" refers to all cereal grains, except rice (brown rice), wheat, barley, rye, corn (maize) and buckwheat.

2. "Beans, dry" includes butter beans, cowbeans (red beans), lentil, kidney beans, lima beans, pegia, sultani, sultapya and white beans.
3. "Other pulses" refers to all legumes/pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry) and spices.
4. "Other cruciferous vegetables" refers to all cruciferous vegetables, except Japanese radish roots and leaves (including radish), turnip roots and leaves, horseradish, watercress, Chinese cabbage, cabbage, brussels sprouts, kale, komatsuna (Japanese mustard spinach), kyona, qing-geng-cai, cauliflower, broccoli and herbs.
5. "Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, shungiku, lettuce (including cos lettuce and leaf lettuce) and herbs.
6. "Other umbelliferous vegetables" refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, mitsuba, spices and herbs.
7. "Other solanaceous vegetables" refers to all solanaceous vegetables, except tomato, pimiento (sweet pepper) and egg plant.
8. "Other cucurbitaceous vegetables" refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons and makuwauri melon.
9. "Other vegetables" refers to all vegetables, except potatoes, sugar beet, sugarcane, cruciferous vegetables, composite vegetables, liliaceous vegetables, umbelliferous vegetables, solanaceous vegetables, cucurbitaceous vegetables, spinach, bamboo shoots, okra, ginger, peas (with pods, immature), kidney beans (with pods, immature), green soybeans, mushrooms, spices and herbs.
10. "Other citrus fruits" refers to all citrus fruits, except unshu orange, citrus natsudaidai, lemon, orange (including navel orange), grapefruit, lime and spices.
11. "Other fruits" refers to all fruits, except citrus fruits, apple, Japanese pear, pear, quince, loquat, peach, nectarine, apricot, Japanese plum (including prune), mume plum, cherry, berries, grape, Japanese persimmon, banana, kiwifruit, papaya, avocado, pineapple, guava, mango, passion fruit, date and spices.
12. "Other oil seeds" refers to all oil seeds, except sunflower seeds, sesame seeds, safflower seeds, cotton seeds, rapeseeds and spices.
13. "Other nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.
14. "Other spices" refers to all spices, except horseradish, wasabi (Japanese horseradish) rhizomes, garlic, peppers chili, paprika, ginger, lemon peels, orange peels (including navel orange), yuzu (Chinese citron) peels and sesame seeds.
15. "Other herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.
16. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.
17. "Edible offal" refers to all edible parts, except muscle, fat, liver and kidney.
18. "Other poultry" refers to all poultry, except chicken.