

Sethoxydim

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Wheat	0.1	0.1
Barley	●	10
Rye	●	10
Corn (maize, including pop corn and sweet corn)	●	0.2
Buckwheat	○ 15	10
Other cereal grains ¹	●	10
Soybeans, dry	○ 15	10
Beans, dry ²	○ 25	20
Peas	● 2	40
Broad beans	○ 25	10
Peanuts, dry	25	25
Other pulses ³	● 25	30
Potato	○ 4	4.0
Taro	● 0.5	1.0
Sweet potato	○ 4	4.0
Japanese yam (including Chinese yam)	● 0.3	1.0
Konjac	● 0.3	1.0
Other potatoes ⁴	●	1.0
Sugar beet	○ 1	0.5
Japanese radish, roots (including radish)	● 4	10
Japanese radish, leaves (including radish)	10	10
Turnip, roots (including rutabaga)	● 4	10
Turnip, leaves (including rutabaga)	● 3	10
Horseradish	●	10
Watercress	●	10
Chinese cabbage	● 1	10
Cabbage	● 2	10
Brussels sprouts	●	10
Kale	10	10
Komatsuna (Japanese mustard spinach)	● 5	10
Kyona	● 3	10
Qing-geng-cai	10	10
Cauliflower	● 2	10
Broccoli	10	10
Other cruciferous vegetables ⁵	10	10
Burdock	● 4	10
Salsify	● 4	10
Artichoke	●	10
Chicory	● 0.3	10
Endive	●	10

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Shungiku	•	10
Lettuce (including cos lettuce and leaf lettuce)	• 3	10
Other composite vegetables ⁶	• 4	10
Onion	• 1	10
Welsh (including leek)	• 0.5	10
Garlic	• 2	10
Nira	○ 15	10
Asparagus	• 2	10
Multiplying onion (including shallot)	•	10
Other liliaceous vegetables ⁷	• 1	10
Carrot	• 4	10
Parsnip	• 4	10
Parsley	•	10
Celery	• 5	10
Mitsuba	•	10
Other umbelliferous vegetables ⁸	• 5	10
Tomato	• 1	10
Pimiento (sweet pepper)	•	10
Egg plant	•	10
Other solanaceous vegetables ⁹	•	10
Cucumber (including gherkin)	•	10
Pumpkin (including squash)	• 2	10
Oriental pickling melon (vegetable)	•	10
Water melon		2.0
Water melon (whole commodity after removal of stems.)	2	
Melons	•	2.0
Makuwauri melon	•	2.0
Other cucurbitaceous vegetables ¹⁰	• 4	10
Spinach	• 2	10
Bamboo shoots	•	10
Okra	•	10
Ginger	• 0.5	10
Peas, immature (with pods)	10	10
Kidney beans, immature (with pods)	○ 15	10
Green soybeans	• 5	10
Button mushroom	•	10
Shiitake mushroom	•	10
Other mushrooms ¹¹	•	10
Other vegetables ¹²	• 5	10
Unshu orange, pulp		1.0
Unshu orange (whole commodity.)	0.5	

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Citrus natsudaidai, whole	● 0.5	1.0
Lemon	● 0.5	1.0
Orange (including navel orange)	● 0.5	1.0
Grapefruit	● 0.5	1.0
Lime	● 0.5	1.0
Other citrus fruits ¹³	● 0.5	1.0
Apple	●	1.0
Japanese pear	●	1.0
Pear	●	1.0
Quince	●	1.0
Loquat	●	1.0
Peach	●	1.0
Nectarine	●	1.0
Apricot	●	1.0
Japanese plum (including prune)	●	1.0
Mume plum	●	1.0
Cherry	●	1.0
Strawberry	● 5	10
Raspberry	●	5.0
Blackberry	●	1.0
Blueberry	○ 4	4.0
Cranberry	○ 3	1.0
Huckleberry	●	1.0
Other berries ¹⁴	●	1.0
Grape	○ 1	1.0
Japanese persimmon	●	1.0
Banana	●	1.0
Kiwifruit	●	1.0
Papaya	●	1.0
Avocado	●	1.0
Pineapple	●	1.0
Guava	●	1.0
Mango	●	1.0
Passion fruit	●	1.0
Date	●	1.0
Other fruits ¹⁵	○ 1	1.0
Sunflower seeds	○ 7	7.0
Sesame seeds	●	1.0
Safflower seeds	●	1.0
Cotton seeds	●	5.0
Rapeseeds	● 0.5	1.0

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Other oil seeds ¹⁶	●	1.0
Ginkgo nut	●	1.0
Chestnut	● 0.2	1.0
Pecan	● 0.2	1.0
Almond	● 0.2	1.0
Walnut	● 0.2	1.0
Other nuts ¹⁷	● 0.2	1.0
Other spices ¹⁸		30
Other spices (limited to root or rhizome) ¹⁹	4	
Other herbs ²⁰	10	10
Cattle, muscle	● 0.01	0.1
Pig, muscle	● 0.01	0.1
Other terrestrial mammals ²¹ , muscle	● 0.01	0.1
Cattle, fat	● 0.01	0.2
Pig, fat	● 0.01	0.2
Other terrestrial mammals, fat	● 0.01	0.2
Cattle, liver	● 0.1	0.5
Pig, liver	● 0.1	0.5
Other terrestrial mammals, liver	● 0.1	0.5
Cattle, kidney	● 0.1	0.5
Pig, kidney	● 0.1	0.5
Other terrestrial mammals, kidney	● 0.1	0.5
Cattle, edible offal ²²	● 0.1	0.5
Pig, edible offal	● 0.1	0.5
Other terrestrial mammals, edible offal	● 0.1	0.5
Milk	● 0.03	0.3
Chicken, muscle	● 0.1	0.2
Other poultry ²³ , muscle	● 0.1	0.2
Chicken, fat	● 0.1	0.2
Other poultry, fat	● 0.1	0.2
Chicken, liver	● 0.2	0.9
Other poultry, liver	● 0.2	0.9
Chicken, kidney	● 0.2	1
Other poultry, kidney	● 0.2	1
Chicken, edible offal	● 0.2	1
Other poultry, edible offal	● 0.2	1
Chicken eggs	● 0.3	1
Other poultry, eggs	● 0.3	1
Fish	○ 0.2	

● : Commodities for which MRLs are lowered. These MRL are to be taken effect on 23 October 2020.

○ : Commodities for which MRLs are increased. These MRL have been taken effect on 23 April 2020.

Note: The residue definition for agricultural products is changed to Sethoxydim and metabolites that can be oxazolation and/or sulfonation reaction to metabolite I [6-[2-(ethylsulfonyl)propyl]-4-oxo-2-propyl-4,5,6,7-tetrahydrobenzoxazole] (including metabolite B [2-[1-(ethoxyimino)butyl]-5-[2-(ethylsulfinyl)propyl]-3-hydroxycyclohex-2-en-1-one], metabolite C [2-[1-(ethoxyimino)butyl]-5-[2-(ethylsulfonyl)propyl]-3-hydroxycyclohex-2-en-1-one], metabolite G [6-[2-(ethylthio)propyl]-4-oxo-2-propyl-4,5,6,7-tetrahydrobenzoxazole], metabolite H [6-[2-(ethylsulfinyl)propyl]-4-oxo-2-propyl-4,5,6,7-tetrahydrobenzoxazole] and metabolite I) and metabolite M [6-[2-(ethylsulfonyl)propyl]-4-oxo-6-hydroxy-2-propyl-4,5,6,7-tetrahydrobenzoxazole] (including metabolite J [2-[1-(ethoxyimino)butyl]-5-[2-(ethylsulfinyl)propyl]-3,5-dihydroxycyclohex-2-en-1-one], metabolite K [2-[1-(ethoxyimino)butyl]-5-[2-(ethylsulfonyl)propyl]-3,5-dihydroxycyclohex-2-en-1-one] and metabolite M), expressed as Sethoxydim.

The residue definition for animal products and aquatic products is changed to Sethoxydim and metabolites that can be oxazolation and/or sulfonation reaction to metabolite I, expressed as Sethoxydim. The previous residue definition was the sum of residues of sethoxydim and each of MSO (metabolite B), MSO₂ (metabolite C), M2S (metabolite G), M2SO (metabolite H), M2SO₂ (metabolite I), and 5-OH-MSO₂ (metabolite K), which are individually calculated as sethoxydim.

* The uniform limit 0.01 ppm is applied to commodities for which renewed MRLs are not given in this table and to commodities not listed above.

* Shaded figures indicate provisional MRLs.

* Diagonal line means deletion of a food category to which an MRL applies.

* Food categories "Water melon" and "Unshu orange, pulp" are abolished and integrated into "Water melon (whole commodity after removal of stems.)" and "Unshu orange (whole commodity.)", respectively, followed by the current food category system for MRLs for agricultural and veterinary chemicals in Japan.

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, lima beans, pinto, 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 potatoes" refers to all potatoes, except potato, taro, sweet potato, yam and konjac.
5. "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.
6. "Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, shungiku, lettuce (including cos lettuce and leaf lettuce) and herbs.
7. "Other liliaceous vegetables" refers to all liliaceous vegetables, except onion, welsch (including leek), garlic, nira, asparagus, multiplying onion and herbs.
8. "Other umbelliferous vegetables" refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, mitsuba, spices and herbs.
9. "Other solanaceous vegetables" refers to all solanaceous vegetables, except tomato, pimiento (sweet pepper) and egg plant.
10. "Other cucurbitaceous vegetables" refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons and makuwauri melon.

11. "Other mushrooms" refers to all mushrooms, except button mushroom and shiitake mushroom.
12. "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.
13. "Other citrus fruits" refers to all citrus fruits, except unshu orange, citrus natsudaidai, lemon, orange (including navel orange), grapefruit, lime and spices.
14. "Other berries" refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry and huckleberry.
15. "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.
16. "Other oil seeds" refers to all oil seeds, except sunflower seeds, sesame seeds, safflower seeds, cotton seeds, rapeseeds and spices.
17. "Other nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.
18. "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.
19. "Other spices (limited to root or rhizome)" refers to root or rhizome of asafetida, turmeric, zedoary, galangal and licorice.
20. "Other herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.
21. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.
22. "Edible offal" refers to all edible parts, except muscle, fat, liver and kidney.
23. "Other poultry" refers to all poultry, except chicken.