

Diquat

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Rice (brown rice)	● 0.03	1
Wheat	● 0.1	2
Barley	5	5
Rye	○ 2	0.03
Corn (maize, including pop corn and sweet corn)	● 0.02	0.05
Buckwheat	●	0.03
Other cereal grains ¹	2	2
Soybeans, dry	○ 0.4	0.2
Beans, dry ²	○ 0.9	0.2
Peas	○ 0.9	0.2
Broad beans	○ 0.9	0.2
Peanuts, dry	● 0.01	5
Other pulses ³	○ 0.9	0.2
Potato	○ 0.1	0.05
Taro	● 0.01	0.05
Sweet potato	● 0.01	0.05
Japanese yam (including Chinese yam)	● 0.01	0.05
Konjac	● 0.01	0.05
Other potatoes ⁴	● 0.01	0.05
Sugar beet	● 0.01	0.05
Sugarcane	● 0.02	0.04
Japanese radish, roots (including radish)	● 0.01	0.05
Japanese radish, leaves (including radish)	● 0.02	0.05
Turnip, roots (including rutabaga)	● 0.01	0.05
Turnip, leaves (including rutabaga)	● 0.01	0.05
Horseradish	● 0.01	0.05
Watercress	● 0.01	0.05
Chinese cabbage	● 0.02	0.05
Cabbage	● 0.01	0.05
Brussels sprouts	● 0.01	0.05
Kale	● 0.01	0.05
Komatsuna (Japanese mustard spinach)	● 0.01	0.05
Kyona	● 0.01	0.05
Qing-geng-cai	● 0.01	0.05
Cauliflower	● 0.01	0.05
Broccoli	● 0.02	0.05
Other cruciferous vegetables ⁵	● 0.01	0.05
Burdock	● 0.01	0.05
Salsify	● 0.01	0.05

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Artichoke	● 0.01	0.05
Chicory	● 0.01	0.05
Endive	● 0.01	0.05
Shungiku	● 0.01	0.05
Lettuce (including cos lettuce and leaf lettuce)	● 0.02	0.05
Other composite vegetables ⁶	● 0.02	0.05
Onion	● 0.02	0.05
Welsh (including leek)	● 0.02	0.05
Garlic	● 0.02	0.05
Nira	● 0.01	0.05
Asparagus	● 0.02	0.05
Multiplying onion (including shallot)	● 0.01	0.05
Other liliaceous vegetables ⁷	● 0.01	0.05
Carrot	● 0.02	0.05
Parsnip	● 0.01	0.05
Parsley	● 0.02	0.05
Celery	● 0.01	0.05
Mitsuba	● 0.01	0.05
Other umbelliferous vegetables ⁸	● 0.02	0.05
Tomato	● 0.01	0.05
Pimiento (sweet pepper)	● 0.01	0.05
Egg plant	● 0.01	0.05
Other solanaceous vegetables ⁹	● 0.01	0.05
Cucumber (including gherkin)	● 0.02	0.05
Pumpkin (including squash)	● 0.01	0.05
Oriental pickling melon (vegetable)	● 0.01	0.05
Water melon	● 0.02	0.05
Melons	● 0.02	0.05
Makuwauri melon		0.05
Makuwauri melon (whole commodity after removal of stems)	0.01	
Other cucurbitaceous vegetables ¹⁰	● 0.01	0.05
Spinach	● 0.01	0.05
Bamboo shoots	● 0.02	0.05
Okra	● 0.01	0.05
Ginger	● 0.02	0.05
Peas, immature (with pods)	● 0.01	0.05
Kidney beans, immature (with pods)	● 0.01	0.05
Green soybeans	● 0.02	0.05
Button mushroom	●	0.05
Shiitake mushroom	●	0.05
Other mushrooms ¹¹	●	0.05

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Other vegetables ¹²	● 0.02	0.2
Unshu orange, pulp	/	0.03
Unshu orange (whole commodity)	0.02	/
Citrus natsudaidai, whole	● 0.02	0.03
Lemon	● 0.02	0.04
Orange (including navel orange)	● 0.02	0.03
Grapefruit	● 0.02	0.04
Lime	● 0.02	0.03
Other citrus fruits ¹³	● 0.02	0.03
Apple	● 0.02	0.03
Japanese pear	● 0.02	0.03
Pear	● 0.02	0.03
Quince	● 0.02	0.03
Loquat	/	0.03
Loquat (whole commodity after removal of stems)	0.02	/
Peach	/	0.03
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	0.02	/
Nectarine	● 0.02	0.03
Apricot	● 0.02	0.03
Japanese plum (including prune)	● 0.02	0.03
Mume plum	● 0.02	0.03
Cherry	● 0.02	0.03
Strawberry	○ 0.05	0.03
Raspberry	● 0.01	0.03
Blackberry	● 0.01	0.03
Blueberry	● 0.01	0.03
Cranberry	● 0.01	0.03
Huckleberry	● 0.01	0.03
Other berries ¹⁴	● 0.01	0.03
Grape	● 0.01	0.03
Japanese persimmon	● 0.02	0.03
Banana	● 0.02	0.03
Kiwifruit	/	0.03
Kiwifruit (whole commodity)	0.01	/
Papaya	● 0.01	0.03
Avocado	● 0.01	0.03
Pineapple	● 0.01	0.05
Guava	● 0.01	0.03
Mango	● 0.01	0.03
Passion fruit	● 0.01	0.03
Date	● 0.01	0.03

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Other fruits ¹⁵	● 0.02	0.05
Sunflower seeds	● 0.9	1
Sesame seeds	●	0.03
Safflower seeds	●	0.03
Cotton seeds	●	0.03
Rape seeds	2	2
Other oil seeds ¹⁶	●	0.03
Ginkgo nut	● 0.01	0.03
Chestnut	● 0.01	0.03
Pecan	● 0.01	0.03
Almond	● 0.01	0.03
Walnut	● 0.01	0.03
Other nuts ¹⁷	● 0.02	0.03
Tea	● 0.1	0.3
Coffee beans	● 0.02	0.05
Hop	●	0.04
Other spices ¹⁸	● 0.01	0.2
Other herbs ¹⁹	● 0.02	0.2
Cattle, muscle	● 0.01	0.05
Pig, muscle	● 0.01	0.05
Other terrestrial mammals ²⁰ , muscle	● 0.01	0.05
Cattle, fat	● 0.01	0.02
Pig, fat	● 0.01	0.02
Other terrestrial mammals, fat	● 0.01	0.02
Cattle, liver	● 0.01	0.05
Pig, liver	● 0.01	0.05
Other terrestrial mammals, liver	● 0.01	0.05
Cattle, kidney	● 0.01	0.05
Pig, kidney	● 0.01	0.05
Other terrestrial mammals, kidney	● 0.01	0.05
Cattle, edible offal ²¹	● 0.01	0.05
Pig, edible offal	● 0.01	0.05
Other terrestrial mammals, edible offal	● 0.01	0.05
Milk	● 0.001	0.01
Chicken, muscle	● 0.01	0.05
Other poultry ²² , muscle	● 0.01	0.05
Chicken, fat	● 0.01	0.02
Other poultry, fat	● 0.01	0.02
Chicken, liver	● 0.01	0.05
Other poultry, liver	● 0.01	0.05
Chicken, kidney	● 0.01	0.05

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Other poultry, kidney	● 0.01	0.05
Chicken, edible offal	● 0.01	0.05
Other poultry, edible offal	● 0.01	0.05
Chicken eggs	● 0.01	0.05
Other poultry, eggs	● 0.01	0.05
Salmoniformes (such as salmon and trout)	●	0.1
Anguilliformes (such as eel)	●	0.1
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)	●	0.1
Other fish ²³	●	0.1
Shelled molluscs	●	0.1
Milled rice		0.2
Wheat flour (limited to whole grain)		2
Wheat flour (except whole grain)		0.5
Wheat bran		5
Vegetable oil (except refined vegetable oil)		0.05

● : Commodities for which MRLs are lowered. These MRLs are to be taken effect on 14 September 2021.

○ : Commodities for which MRLs are raised. These MRLs have been taken effect on 14 September 2020.

Note: The residue definition is changed to diquat ion only. The previous residue definition is diquat dibromide.

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

* Food categories "Makuwauri melon", "Unshu orange, pulp", "Loquat", "Peach" and "Kiwifruit" are deleted, whereas new ones are established in foods categorized as "Makuwauri 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 14 September 2021).

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), kidney beans, lentil, 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 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, welsh (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 herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.
20. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.
21. "Edible offal" refers to all edible parts, except muscle, fat, liver and kidney.
22. "Other poultry" refers to all poultry, except chicken.
23. "Other fish" refers to all fish, except Salmoniformes, Anguilliformes and Perciformes.