

Penthiopyrad

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Wheat	○ 0.3	0.2
Barley	0.2	0.2
Rye	0.2	0.2
Corn (maize, including pop corn and sweet corn)	0.02	0.02
Buckwheat	0.2	0.2
Other cereal grains ¹	0.8	0.8
Soybeans, dry	0.4	0.4
Beans, dry ²	0.4	0.4
Peas	0.4	0.4
Broad beans	0.4	0.4
Peanuts, dry	0.05	0.05
Other pulses ³	0.4	0.4
Potato	0.06	0.06
Taro	0.06	0.06
Sweet potato	0.06	0.06
Japanese yam (including Chinese yam)	0.06	0.06
Other potatoes ⁴	0.06	0.06
Sugar beet	0.5	0.5
Japanese radish, roots (including radish)	○ 3	
Japanese radish, leaves (including radish)	30	30
Turnip, leaves (including rutabaga)	50	50
Watercress	30	30
Chinese cabbage	30	30
Cabbage	5	5
Brussels sprouts	5	5
Kale	50	50
Komatsuna (Japanese mustard spinach)	50	50
Kyona	50	50
Qing-geng-cai	50	50
Cauliflower	5	5
Broccoli	10	10
Other cruciferous vegetables ⁵	50	50
Chicory	30	30
Endive	30	30
Shungiku	30	30
Lettuce (including cos lettuce and leaf lettuce)	○ 40	30
Other composite vegetables ⁶	30	30
Onion	0.7	0.7
Welsh (including leek)	4	4

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Nira	20	20
Asparagus	0.3	0.3
Other liliaceous vegetables ⁷	○ 5	4
Carrot	0.6	0.6
Parsley	30	30
Celery	30	30
Other umbelliferous vegetables ⁸	30	30
Tomato	3	3
Pimiento (sweet pepper)	3	3
Egg plant	3	3
Other solanaceous vegetables ⁹	30	30
Cucumber (including gherkin)	0.5	0.5
Pumpkin (including squash)	0.5	0.5
Oriental pickling melon (vegetable)	0.5	0.5
Water melon		0.05
Water melon (whole commodity after removal of stems)	0.5	
Melons		0.05
Melons (whole commodity after removal of stems)	0.9	
Other cucurbitaceous vegetables ¹⁰	30	30
Spinach	30	30
Okra	2	2
Ginger	0.06	0.06
Peas, immature (with pods)	4	4
Kidney beans, immature (with pods)	4	4
Green soybeans	4	4
Shiitake mushroom	2	2
Other mushrooms ¹¹	2	2
Other vegetables ¹²	30	30
Unshu orange, pulp		0.5
Unshu orange (whole commodity)	5	
Citrus natsudaidai, whole	2	2
Lemon	○ 5	3
Orange (including navel orange)	○ 5	3
Grapefruit	○ 5	3
Lime	○ 5	3
Other citrus fruits ¹³	○ 5	3
Apple	2	2
Japanese pear	3	3
Pear	3	3
Quince	0.5	0.5
Loquat (whole commodity after removal of stems)	○ 0.4	
Peach		0.2

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	4	
Nectarine	4	4
Apricot	10	10
Japanese plum (including prune)	4	4
Mume plum	10	10
Cherry	5	5
Strawberry	3	3
Blueberry	3	3
Cranberry	3	3
Other berries ¹⁴	3	3
Grape	10	10
Japanese persimmon	3	3
Other fruits ¹⁵	3	3
Sunflower seeds	2	2
Cotton seeds	2	2
Rapeseeds	2	2
Ginkgo nut	0.05	0.05
Chestnut	0.06	0.06
Pecan	0.06	0.06
Almond	0.06	0.06
Walnut	0.06	0.06
Other nuts ¹⁶	0.06	0.06
Other spices ¹⁷	15	15
Other herbs ¹⁸	50	50
Cattle, muscle	0.04	0.04
Pig, muscle	0.04	0.04
Other terrestrial mammals ¹⁹ , muscle	0.04	0.04
Cattle, fat	0.05	0.05
Pig, fat	0.05	0.05
Other terrestrial mammals, fat	0.05	0.05
Cattle, liver	0.08	0.08
Pig, liver	0.08	0.08
Other terrestrial mammals, liver	0.08	0.08
Cattle, kidney	0.08	0.08
Pig, kidney	0.08	0.08
Other terrestrial mammals, kidney	0.08	0.08
Cattle, edible offal ²⁰	0.08	0.08
Pig, edible offal	0.08	0.08
Other terrestrial mammals, edible offal	0.08	0.08

Commodity	MRL (renewed) ppm	MRL (previous) ppm
Milk	0.04	0.04
Chicken, muscle	0.03	0.03
Other poultry ²¹ , muscle	0.03	0.03
Chicken, fat	0.03	0.03
Other poultry, fat	0.03	0.03
Chicken, liver	0.03	0.03
Other poultry, liver	0.03	0.03
Chicken, kidney	0.03	0.03
Other poultry, kidney	0.03	0.03
Chicken, edible offal	0.03	0.03
Other poultry, edible offal	0.03	0.03
Chicken eggs	0.03	0.03
Other poultry, eggs	0.03	0.03
Wheat germ		0.2
Wheat bran		0.2
Corn flour (Maize flour)		0.05
Corn oil (Maize oil) (except edible corn oil that meets the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)		0.2
Peanut oils (limited to refined peanut oil that meets the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)		0.5
Rape seed oils (limited to refined rapeseed oil and rapeseed salad oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)		1
Rape seed oils (except refined rapeseed oil and rapeseed salad oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)		1

○ : Commodities for which MRLs are raised. These MRL have been taken effect on 30 June 2020.

Note: The residue definition for agricultural products is Penthioopyrad only. The residue definition for animal products is the sum of Penthioopyrad and metabolite PAM [1-methyl-3-trifluoromethyl-1H-pyrazole-4-carboxamide] , expressed as Penthioopyrad.

* 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.

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

* The MRLs in food categories, "Water melon", "Melons", "Unshu orange, pulp" and "Peach" are deleted, whereas new ones are established in foods categorized as "Water melon (whole commodity after removal of stems)", "Melons (whole commodity after removal of stems)", "Unshu orange (whole commodity)" and "Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)", respectively.

* The MRLs in food categories, "Wheat germ", "Wheat bran", "Maize flour", "Maize oil", "Peanut oil" and "Rape seed oil" are deleted, and whereas, MRLs in those raw commodities (wheat, maize, peanut and rape seed) also apply to such processed commodities, taking into account those processing factors.

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, pedia, 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 nuts" refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.
17. "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.

18. "Other herbs" refers to all herbs, except watercress, nira, parsley stems and leaves, celery stems and leaves.
19. "Other terrestrial mammals" refers to all terrestrial mammals, except cattle and pig.
20. "Edible offal" refers to all edible parts, except muscle, fat, liver and kidney.
21. "Other poultry" refers to all poultry, except chicken.