

## Glufosinate

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)	0.3	0.3
Wheat	0.2	0.2
Barley	0.5	0.5
Corn (maize, including pop corn and sweet corn)	0.1	0.1
Buckwheat	0.3	0.3
Soybeans, dry	2	2
Beans, dry <sup>1</sup>	● 0.3	2
Peas	● 0.3	3
Broad beans	● 0.3	2
Peanuts, dry	0.1	0.1
Other pulses <sup>2</sup>	● 0.3	3
Potato	● 0.1	0.2
Taro	○ 0.3	0.2
Sweet potato	0.1	0.1
Japanese yam (including Chinese yam)	0.2	0.2
Konjac	0.2	0.2
Sugar beet	2	2
Sugarcane	○ 0.03	
Japanese radish, roots (including radish)	0.3	0.3
Japanese radish, leaves (including radish)	0.3	0.3
Turnip, roots (including rutabaga)	0.1	0.1
Turnip, leaves (including rutabaga)	0.1	0.1
Watercress	0.3	0.3
Chinese cabbage	● 0.1	0.2
Cabbage	● 0.1	0.2
Broccoli	● 0.1	0.2
Other cruciferous vegetables <sup>3</sup>	0.2	0.2
Burdock	0.2	0.2
Lettuce (including cos lettuce and leaf lettuce)	0.4	0.4
Other composite vegetables <sup>4</sup>	0.5	0.5
Onion	0.2	0.2
Welsh (including leek)	● 0.1	0.2
Garlic	0.3	0.3
Nira	● 0.1	0.2
Asparagus	0.4	0.4
Other liliaceous vegetables <sup>5</sup>	● 0.05	0.1
Carrot	0.1	0.1
Parsley	0.7	0.7
Celery	0.2	0.2

Commodity	MRL (draft) ppm	MRL (current) ppm
Mitsuba	0.2	0.2
Other umbelliferous vegetables <sup>6</sup>	0.3	0.3
Tomato	• 0.1	0.2
Pimiento (sweet pepper)	• 0.1	0.2
Egg plant	• 0.1	0.2
Other solanaceous vegetables <sup>7</sup>	• 0.1	0.2
Cucumber (including gherkin)	• 0.1	0.2
Pumpkin (including squash)	0.2	0.2
Oriental pickling melon (vegetable)	0.3	0.3
Water melon	0.1	0.1
Melons	0.3	0.3
Other cucurbitaceous vegetables <sup>8</sup>	• 0.1	0.2
Spinach	0.1	0.1
Bamboo shoots	0.2	0.2
Okra	0.1	0.1
Ginger	0.3	0.3
Peas, immature (with pods)	• 0.1	0.2
Kidney beans, immature (with pods)	0.05	0.05
Green soybeans	0.2	0.2
Other vegetables <sup>9</sup>	0.3	0.3
Unshu orange, pulp		0.2
Unshu orange (whole commodity)	0.2	
Citrus natsudaikai, whole	0.2	0.2
Lemon	0.2	0.2
Orange (including navel orange)	0.2	0.2
Grapefruit	0.2	0.2
Lime	0.2	0.2
Other citrus fruits <sup>10</sup>	0.2	0.2
Apple	• 0.1	0.2
Japanese pear	• 0.1	0.2
Pear	0.1	0.1
Quince	0.1	0.1
Loquat		0.2
Loquat (whole commodity after removal of stems)	0.1	
Peach		0.2
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	0.2	
Nectarine	0.2	0.2
Apricot	• 0.2	0.3
Japanese plum (including prune)	• 0.2	0.3
Mume plum	• 0.2	0.3
Cherry	0.3	0.3

Commodity	MRL (draft) ppm	MRL (current) ppm
Strawberry	● 0.3	0.5
Raspberry	0.1	0.1
Blackberry	● 0.01	0.1
Blueberry	0.1	0.1
Cranberry	● 0.01	0.1
Huckleberry	0.1	0.1
Other berries <sup>11</sup>	1	1
Grape	0.2	0.2
Japanese persimmon	0.1	0.1
Banana	0.2	0.2
Kiwifruit		0.2
Kiwifruit (whole commodity)	0.6	
Papaya	0.1	0.1
Avocado	0.1	0.1
Pineapple	0.1	0.1
Guava	0.1	0.1
Mango	0.1	0.1
Passion fruit	0.1	0.1
Date	0.1	0.1
Other fruits <sup>12</sup>	0.2	0.2
Sunflower seeds	●	5
Sesame seeds	○ 0.1	
Cotton seeds	5	5
Rapeseeds	● 2	5
Ginkgo nut	0.1	0.1
Chestnut	● 0.1	0.2
Pecan	0.1	0.1
Almond	0.1	0.1
Walnut	0.1	0.1
Other nuts <sup>13</sup>	0.1	0.1
Tea	0.3	0.3
Coffee beans	0.1	0.1
Hop	0.2	0.2
Other spices <sup>14</sup>	0.5	0.5
Other herbs <sup>15</sup>	0.5	0.5
Cattle, muscle	○ 0.2	0.05
Pig, muscle	○ 0.2	0.05
Other terrestrial mammals <sup>16</sup> , muscle	○ 0.2	0.05
Cattle, fat	0.4	0.4
Pig, fat	0.4	0.4
Other terrestrial mammals, fat	0.4	0.4

Commodity	MRL (draft) ppm	MRL (current) ppm
Cattle, liver	6	6
Pig, liver	6	6
Other terrestrial mammals, liver	6	6
Cattle, kidney	○ 6	4
Pig, kidney	○ 6	4
Other terrestrial mammals, kidney	○ 6	4
Cattle, edible offal <sup>17</sup>	6	6
Pig, edible offal	6	6
Other terrestrial mammals, edible offal	6	6
Milk	○ 0.2	0.02
Chicken, muscle	○ 0.2	0.05
Other poultry <sup>18</sup> , muscle	○ 0.2	0.05
Chicken, fat	○ 0.2	0.05
Other poultry, fat	○ 0.2	0.05
Chicken, liver	○ 0.6	0.1
Other poultry, liver	○ 0.6	0.1
Chicken, kidney	○ 0.6	0.5
Other poultry, kidney	○ 0.6	0.5
Chicken, edible offal	○ 0.6	0.1
Other poultry, edible offal	○ 0.6	0.1
Chicken eggs	○ 0.2	0.05
Other poultry, eggs	○ 0.2	0.05
Sunflower oil (except refined sunflower oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)	/	0.05
Rapeseed oils, crude (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)	/	0.05

● : Commodities for which MRLs are to be lowered.

○ : Commodities for which MRLs are to be raised.

NOTE: The residue definition is the sum of glufosinate (both D and L isoforms) including metabolite Z [N-acetyl-glufosinate] and metabolite B [3-methylphosphinic propionic acid], expressed as glufosinate.

\* The uniform limit 0.01 ppm will be applied to commodities not listed above.

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

\* Regarding the MRLs in food categories, "Unshu orange, pulp", "Loquat", "Peach" and "Kiwifruit" will be abolished, whereas new MRLs will be established in foods categorized as "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.

\* Regarding the MRL in food category, "Sunflower oil (except refined sunflower oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)" and "Rapeseed oils, crude (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)" will be deleted and hereafter, MRL in their raw commodity will also apply to such processed commodity, taking into account its processing factor.

1. "Beans, dry" includes butter beans, cowbeans (red beans), lentil, kidney beans, lima beans, pedia, sultani, sultapya and white beans.
2. "Other pulses" refers to all pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry) and spices.
3. "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.
4. "Other composite vegetables" refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, shungiku, lettuce (including cos lettuce and leaf lettuce) and herbs.
5. "Other liliaceous vegetables" refers to all liliaceous vegetables, except onion, welsh (including leek), garlic, nira, asparagus, multiplying onion 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 berries" refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry and huckleberry.
12. "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.
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.