

Establishment of the Maximum Residue Limits for Agricultural and Veterinary Chemicals in Foods

The Food Sanitation Act authorizes the Ministry of Health, Labour and Welfare (MHLW) to establish residue standards (maximum residue limits, “MRLs”) for pesticides, feed additives, and veterinary drugs (hereafter referred to as “agricultural and veterinary chemicals”) that may remain in foods. Any food for which standards are established pursuant to the provisions in Article 13, Paragraph 1 of the act is not permitted to be marketed in Japan unless it complies with the established standards

On May 29, 2006, Japan introduced the Positive List System¹ for agricultural and veterinary chemicals in food. All foods distributed in the Japanese marketplace are subject to regulation of the system.

The MHLW is going to modify or newly set MRLs in some commodities for the following substances, including modification of MRLs on several Veterinary drugs in some commodities that were provisionally set at the introduction of the Positive List System:

Pesticides : **Tolfenpyrad, Fenquinotrione, Flazasulfuron ,**
Pesticides and Veterinary drugs : **Cypermethrin**
Veterinary drugs : **Isometamidium, Eugenol, Chlorhexidine,**
Decoquinatate, Nafcillin, Nitroxinil, Virginiamycin, Mecillinam,
Menbutone

<The manner of submitting comments>

The Ministry of Health, Labour and Welfare (MHLW) will amend the existing standards and specifications for food as shown in this document. Please provide comments in writing by Tuesday April 13, 2021. After the given date, comments should be directed to the enquiry point in accordance with the WTO/SPS Agreement.

If you wish to request Japan to adopt the same limits as your country’s MRLs, you are requested to submit data supporting your country’s MRLs, such as risk assessment and residue data.

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¹ The aim of the positive list system is to prohibit the distribution of any foods which contain agricultural chemicals at amounts exceeding a certain level (0.01 ppm) in the Japanese marketplace unless specific maximum residue limits (MRLs) have been set.

Summary

Establishment of Maximum Residue Limits for Agricultural Chemicals in Food

Tolfenpyrad (Pesticides: Insecticides, Acaricides): Permitted for use in Japan. The MHLW is going to establish MRLs on several commodities in response to requests for setting MRLs by the Ministry of Agriculture, Forestry and Fisheries (MAFF) with the intention to expand its use patterns.

Fenquinotrione (Pesticides: Herbicide): Permitted for use in Japan. The MHLW is going to establish MRLs on some commodities in response to requests for setting MRLs by the MAFF with the intention to expand its use patterns. These actions will not strengthen the current regulation for any commodities.

Flazasulfuron (Pesticides: Herbicide): Permitted for use in Japan. The MHLW is going to modify MRLs in some commodities that were provisionally set at the introduction of the Positive List System.

Cypermethrin (Pesticides • Veterinary drugs: Insecticide): Permitted for use in Japan. The MHLW is going to establish MRLs on several commodities in response to requests for setting MRLs by the MAFF with the intention to expand its use patterns and also going to modify MRLs in some commodities that were provisionally set at the introduction of the Positive List System.

Modification of MRLs for veterinary drugs that were provisionally set at the introduction of the Positive List System

All current MRLs and residue definitions on the following veterinary drugs would be retained after reconsideration in consideration of risk assessment.

Isometamidium (Parasiticides)*, **Eugenol** (Anesthetics),
Chlorhexidine (Disinfectants), **Decoquinat** (Parasiticides)*,
Nafcillin (Antibiotics)*, **Nitroxinil** (Parasiticides)*, **Virginiamycin** (Antibiotics)*,
Mecillinam (Antibiotics)*, **Menbutone** (Antidiarrheals)

*: Not permitted for use in Japan

Tolfenpyrad

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Potato	0.05	0.05	§	0.01	
Japanese yam (including Chinese yam)	0.01		Request		
Japanese radish, roots (including radish)	● 0.03	0.2	§		
Japanese radish, leaves (including radish)	● 2	10	§		
Turnip, roots (including rutabaga)	● 0.2	1	§		
Turnip, leaves (including rutabaga)	● 7	25	§		
Chinese cabbage	● 1	2	§		
Cabbage	0.3	0.3	§		
Cauliflower	○ 0.5		Request		
Broccoli	● 0.7	1	§		
Lettuce (including cos lettuce and leaf lettuce)	● 2	10	§		
Onion	○ 0.02		Request		
Welsh (including leek)	● 2	5	§		
Garlic	0.05	0.05	§		
Nira	● 9	10	§		
Asparagus	0.7	0.7	§		
Other liliaceous vegetables	○ 0.1		Request		
Celery	○ 4	3	§		
Tomato	●	2			
Pimiento (sweet pepper)	● 2	3	§		
Egg plant	●	2			
Other solanaceous vegetables	○ 0.2		Request		
Cucumber (including gherkin)	● 0.7	1	§		
Water melon	/	0.05	§		
Water melon (whole commodity after removal of stems)	0.6	/	§		
Other cucurbitaceous vegetables	0.2	0.2	§		
Peas, immature (with pods)	2	2	§		
Unshu orange, pulp	/	0.1	§		
Unshu orange (whole commodity)	3	/	§		
Citrus natsudaidai, whole	3	3	§		
Lemon	3	3	§		
Orange (including navel orange)	3	3	§		
Grapefruit	3	3	§		
Lime	3	3	§		
Other citrus fruits	3	3	§		
Japanese pear	● 0.3	2	§		
Pear	● 0.3	2	§		
Peach	/	0.2	§		
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	10	/	§		
Nectarine	5	5	§		
Japanese plum (including prune)	● 1	2	§		
Strawberry	● 0.1	3	§		
Pecan	0.01			0.01	
Tea	○ 30	20	§	30	
Other spices	15	15	§		

The residue definition is tolfenpyrad only.

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

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

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

● : Commodities for which MRLs are to be lowered.

○ : Commodities for which MRLs are to be raised.

§ : Permitted for use in Japan.

Request: Request for setting/revising MRL was made by the MAFF.

Fenquino-trione

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	0.01	0.01	§		
Cattle, muscle	0.01				
Pig, muscle	0.01				
Other terrestrial mammals, muscle	0.01				
Cattle, fat	0.01				
Pig, fat	0.01				
Other terrestrial mammals, fat	0.01				
Cattle, liver	○ 2		Request		
Pig, liver	○ 2		Request		
Other terrestrial mammals, liver	○ 2		Request		
Cattle, kidney	○ 0.6		Request		
Pig, kidney	○ 0.6		Request		
Other terrestrial mammals, kidney	○ 0.6		Request		
Cattle, edible offal	○ 2		Request		
Pig, edible offal	○ 2		Request		
Other terrestrial mammals, edible offal	○ 2		Request		
Milk	0.01				

The residue definition is fenquino-trione only.

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

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

○ : Commodities for which MRLs are to be raised.

§ : Permitted for use in Japan.

Request: Request for setting/revising MRL was made by the MAFF.

Flazasulfuron

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	●	0.02			
Wheat	●	0.02			
Barley	●	0.02			
Rye	●	0.02			
Corn (maize, including pop corn and sweet corn)	●	0.02			
Buckwheat	●	0.02			
Other cereal grains	●	0.02			
Soybeans, dry	●	0.02			
Beans, dry	●	0.02			
Peas	●	0.02			
Broad beans	●	0.02			
Peanuts, dry	●	0.02			
Other pulses	●	0.02			
Potato	●	0.02			
Taro	●	0.02			
Sweet potato	●	0.02			
Japanese yam (including Chinese yam)	●	0.02			
Konjac	●	0.02			
Other potatoes	●	0.02			
Sugar beet	●	0.02			
Sugarcane	●	0.05	0.1	§	
Japanese radish, roots (including radish)	●	0.02			
Japanese radish, leaves (including radish)	●	0.02			
Turnip, roots (including rutabaga)	●	0.02			
Turnip, leaves (including rutabaga)	●	0.02			
Horseradish	●	0.02			
Watercress	●	0.02			
Chinese cabbage	●	0.02			
Cabbage	●	0.02			
Brussels sprouts	●	0.02			
Kale	●	0.02			
Komatsuna (Japanese mustard spinach)	●	0.02			
Kyona	●	0.02			
Qing-geng-cai	●	0.02			
Cauliflower	●	0.02			
Broccoli	●	0.02			
Other cruciferous vegetables	●	0.02			
Burdock	●	0.02			
Salsify	●	0.02			
Artichoke	●	0.02			
Chicory	●	0.02			
Endive	●	0.02			
Shungiku	●	0.02			
Lettuce (including cos lettuce and leaf lettuce)	●	0.02			
Other composite vegetables	●	0.02			
Onion	●	0.02			
Welsh (including leek)	●	0.02			
Garlic	●	0.02			
Nira	●	0.02			
Asparagus	●	0.02			
Multiplying onion (including shallot)	●	0.02			

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Other liliaceous vegetables	●	0.02			
Carrot	●	0.02			
Parsnip	●	0.02			
Parsley	●	0.02			
Celery	●	0.02			
Mitsuba	●	0.02			
Other umbelliferous vegetables	●	0.02			
Tomato	●	0.02			
Pimiento (sweet pepper)	●	0.02			
Egg plant	●	0.02			
Other solanaceous vegetables	●	0.02			
Cucumber (including gherkin)	●	0.02			
Pumpkin (including squash)	●	0.02			
Oriental pickling melon (vegetable)	●	0.02			
Water melon	●	0.02			
Melons	●	0.02			
Makuwauri melon	●	0.02			
Other cucurbitaceous vegetables	●	0.02			
Spinach	●	0.02			
Bamboo shoots	●	0.02			
Okra	●	0.02			
Ginger	●	0.02			
Peas, immature (with pods)	●	0.02			
Kidney beans, immature (with pods)	●	0.02			
Green soybeans	●	0.02			
Button mushroom	●	0.02			
Shiitake mushroom	●	0.02			
Other mushrooms	●	0.02			
Other vegetables	●	0.02			
Unshu orange, pulp	/	0.1	§		
Unshu orange (whole commodity)	0.1	/	§		
Citrus natsudaikai, whole	●	0.1			
Lemon	●	0.1			
Orange (including navel orange)	●	0.1			
Grapefruit	●	0.1			
Lime	●	0.1			
Other citrus fruits	●	0.1			
Apple	●	0.02			
Japanese pear	●	0.02			
Pear	●	0.02			
Quince	●	0.02			
Loquat	●	0.02			
Peach	●	0.02			
Nectarine	●	0.02			
Apricot	●	0.1			
Japanese plum (including prune)	●	0.1			
Mume plum	●	0.1			
Cherry	●	0.1			
Strawberry	●	0.1			
Raspberry	●	0.1			
Blackberry	●	0.1			

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Blueberry	●	0.1			
Cranberry	●	0.1			
Huckleberry	●	0.1			
Other berries	●	0.1			
Grape	● 0.05	0.1	§		
Japanese persimmon	●	0.02			
Banana	●	0.02			
Kiwifruit	●	0.02			
Papaya	●	0.02			
Avocado	●	0.02			
Pineapple	●	0.02			
Guava	●	0.02			
Mango	●	0.02			
Passion fruit	●	0.02			
Date	●	0.1			
Other fruits	●	0.02			
Sunflower seeds	●	0.02			
Sesame seeds	●	0.02			
Safflower seeds	●	0.02			
Cotton seeds	●	0.02			
Rapeseeds	●	0.02			
Other oil seeds	●	0.02			
Ginkgo nut	●	0.02			
Chestnut	●	0.02			
Pecan	●	0.02			
Almond	●	0.02			
Walnut	●	0.02			
Other nuts	●	0.02			
Tea	●	0.02			
Coffee beans	●	0.02			
Cacao beans	●	0.02			
Hop	●	0.02			
Other spices	○ 0.2	0.1	§		
Other herbs	●	0.02			

The residue definition is flazasulfuron only.

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

* Shaded figures indicate provisional MRLs.

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

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

● : Commodities for which MRLs are to be lowered.

○ : Commodities for which MRLs are to be raised.

§ : Permitted for use in Japan.

Cypermethrin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	● 0.3	0.9			1.5 ※1, USA
Wheat	○ 2	0.2	§	2	
Barley	○ 2	0.5	§	2	
Rye	○ 2	1.0	§	2	
Corn (maize, including pop corn and sweet corn)	○ 0.3	0.2	§	0.3	
Buckwheat	● 0.3	0.5		0.3	
Other cereal grains	○ 2	1.0	§	2	
Soybeans, dry		0.05	§	0.05	
Beans, dry	● 0.05	0.5	§	0.05	
Peas	● 0.05	1.0	§	0.05	
Broad beans		0.05	§	0.05	
Peanuts, dry	○ 0.1	0.05	§	0.1	
Other pulses		0.05	§	0.05	
Potato	● 0.02	0.05	§	0.01	
Taro	● 0.01	0.05		0.01	
Sweet potato		0.05	§	0.01	
Japanese yam (including Chinese yam)	● 0.01	0.05	§	0.01	
Konjac	● 0.01	0.05		0.01	
Other potatoes	● 0.01	0.05		0.01	
Sugar beet		0.1	§	0.1	
Sugarcane	● 0.2	0.3		0.2	
Japanese radish, roots (including radish)	○ 0.1	0.05	§	0.01	0.1, USA
Japanese radish, leaves (including radish)		5	§	0.7	
Turnip, roots (including rutabaga)	● 0.01	0.05		0.01	
Turnip, leaves (including rutabaga)	● 0.7	1		0.7	
Horseradish	● 0.01	0.05		0.01	
Watercress	● 0.7	5		0.7	
Chinese cabbage	● 1	5.0	§	1	
Cabbage	○ 1	1.0	§	1	
Brussels sprouts	○ 1	1.0		1	
Kale	○ 6	1.0	Request	0.7	
Komatsuna (Japanese mustard spinach)	○ 6	5.0	§	0.7	
Kyona		5	§	0.7	
Qing-geng-cai	○ 5	5.0	§	0.7	
Cauliflower	○ 1	1.0		1	
Broccoli	○ 1	1.0		1	
Other cruciferous vegetables	○ 6	5.0	§	1	
Burdock	● 0.3	0.5	§	0.01	
Salsify	● 0.01	0.05		0.01	
Artichoke	● 0.1	1		0.1	
Chicory	● 0.7	4		0.7	
Endive	● 0.7	5		0.7	
Shungiku	● 0.7	5		0.7	
Lettuce (including cos lettuce and leaf lettuce)	○ 2	2.0	§	0.7	
Other composite vegetables	○ 5	5.0	§	0.7	
Onion	● 0.05	0.1	§	0.01	
Welsh (including leek)	● 4	5.0	§	0.05	
Garlic	●	0.06			
Nira	● 3	6.0	§		
Asparagus	● 0.4	0.5	§	0.4	
Multiplying onion (including shallot)	● 1	5.0	§		

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Other liliaceous vegetables	○ 6	6.0	§		6.0, USA
Carrot	○ 0.1	0.05	§	0.01	0.1, USA
Parsnip	● 0.01	0.05		0.01	
Parsley	● 1	6			1, Australia
Celery	●	3			
Mitsuba	● 0.7	1		0.7	
Other umbelliferous vegetables	● 0.01	0.05		0.01	
Tomato	● 0.7	2.0	§	0.2	
Pimiento (sweet pepper)	○ 2	2.0	§	0.1	
Egg plant		0.5	§	0.03	
Other solanaceous vegetables	○ 2	0.5		2	
Cucumber (including gherkin)	● 0.3	0.5	§	0.07	
Pumpkin (including squash)	● 0.2	5.0	§	0.07	
Oriental pickling melon (vegetable)	● 0.07	0.1		0.07	
Water melon		2.0	§		
Water melon (whole commodity after removal of stems)		0.3	§	0.07	
Melons		2.0	§		
Melons (whole commodity after removal of stems)		0.8	§	0.07	
Makuwauri melon		0.1			
Makuwauri melon (whole commodity after removal of stems)		0.07		0.07	
Other cucurbitaceous vegetables	○ 0.07	0.05		0.07	
Spinach	○ 5	2.0	§ - Request	0.7	
Bamboo shoots	●	5.0			
Okra	○ 0.5	0.2		0.5	
Ginger	○ 0.2	0.03		0.2	
Peas, immature (with pods)	○ 0.7	0.05		0.7	
Kidney beans, immature (with pods)	○ 0.7	0.5	§	0.7	
Green soybeans	● 2	5.0	§	0.7	
Button mushroom	●	0.05			
Shiitake mushroom	●	0.03			
Other mushrooms	●	0.5			
Other vegetables		5.0	§		
Other vegetables (except taro stem and lotus root)		5	§	0.7	
Unshu orange, pulp		2.0	§		
Unshu orange (whole commodity)	○ 0.7		§	0.3	
Citrus natsudaidai, whole	○ 2	2.0	§	0.3	
Lemon	○ 2	2.0	§	0.3	
Orange (including navel orange)	○ 2	2.0	§	0.3	
Grapefruit	○ 2	2.0	§	0.5	
Lime	○ 2	2.0	§	0.5	
Other citrus fruits	○ 2	2.0	§	0.5	
Apple	○ 2	2.0	§	0.7	2, USA
Japanese pear	○ 2	2.0	§	0.7	2, USA
Pear	○ 2	2.0	§	0.7	2, USA
Quince	○ 2	2.0		0.7	2, USA
Loquat		2.0			
Loquat (whole commodity after removal of stems)		2		0.7	2, USA
Peach		2.0	§		
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)		5	§	2	
Nectarine	○ 2	2.0	§	2	
Apricot	○ 2	1.0	§	2	
Japanese plum (including prune)	○ 2	1.0	§	2	

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Mume plum	○ 2	2.0	§	2	
Cherry	○ 2	2.0	§	2	
Strawberry	● 0.7	2.0	§	0.07	
Raspberry	○ 0.8	0.5			0.8 USA
Blackberry	○ 0.8	0.5			0.8 USA
Blueberry	○ 0.8	0.5			0.8 USA
Cranberry	○ 0.8	0.5			0.8 USA
Huckleberry	○ 0.8	0.5			0.8 USA
Other berries	○ 0.8	0.5			0.8 USA
Grape	○ 3	2.0	§	0.2	
Japanese persimmon	● 1	2.0	§	0.7	
Banana	●	0.03			
Kiwifruit		2.0	§		
Kiwifruit (whole commodity)	○ 3		§		
Papaya	○ 0.5	0.01		0.5	
Avocado	●	0.1			
Pineapple	●	0.03			
Guava	●	0.03			
Mango	○ 0.7	0.03		0.7	
Passion fruit	●	0.03			
Date	●	0.03			
Other fruits	○ 2	0.5		2	
Sunflower seeds	● 0.1	0.2		0.1	
Sesame seeds	● 0.1	0.2		0.1	
Safflower seeds	● 0.1	0.2		0.1	
Cotton seeds	● 0.1	0.2		0.1	
Rapeseeds	● 0.1	0.2		0.1	
Other oil seeds	● 0.1	0.2	§	0.1	
Ginkgo nut	○ 0.05	0.03		0.05	
Chestnut	● 0.05	2.0	§	0.05	
Pecan	○ 0.05	0.05		0.05	
Almond	○ 0.05	0.03		0.05	
Walnut	○ 0.05	0.03	§	0.05	
Other nuts	● 0.1	0.2		0.1	
Tea	● 15	20	§	15	
Coffee beans	○ 0.05	0.05		0.05	
Cacao beans	●	0.03			
Hop	●	20			
Other spices (except seeds, fruits, roots and rhizomes)		5	§		
Other spices	5		§	3	
Other herbs	6	6	§	0.7	
Cattle, muscle	○ 2	0.1			
Pig, muscle	○ 2	0.1			
Other terrestrial mammals, muscle	○ 2	0.1			
Cattle, fat	○ 2	0.2		2	
Pig, fat	○ 2	0.2		2	
Other terrestrial mammals, fat	○ 2	0.2		2	
Cattle, liver	○ 0.05	0.05		0.05	
Pig, liver	○ 0.05	0.05		0.05	
Other terrestrial mammals, liver	○ 0.05	0.05		0.05	
Cattle, kidney	○ 0.05	0.05		0.05	

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Pig, kidney	0.05	0.05		0.05	
Other terrestrial mammals, kidney	0.05	0.05		0.05	
Cattle, edible offal	0.05	0.05		0.05	
Pig, edible offal	0.05	0.05		0.05	
Other terrestrial mammals, edible offal	0.05	0.05		0.05	
Milk	○ 0.1	0.05		0.1	
Chicken, muscle	○ 0.1	0.05		0.1	
Other poultry, muscle	○ 0.1	0.05		0.1	
Chicken, fat	0.1	0.1		0.1	
Other poultry, fat	0.1	0.1		0.1	
Chicken, liver	0.05	0.05		0.05	
Other poultry, liver	0.05	0.05		0.05	
Chicken, kidney	0.05	0.05		0.05	
Other poultry, kidney	0.05	0.05		0.05	
Chicken, edible offal	0.05	0.05		0.05	
Other poultry, edible offal	0.05	0.05		0.05	
Chicken eggs	● 0.01	0.05		0.01	
Other poultry, eggs	● 0.01	0.05		0.01	
Salmoniformes (such as salmon and trout)	○ 0.05	0.03			0.05 ¹ EU
Anguilliformes (such as eel)		0.01			
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)		0.01			
Other fish		0.01			
Shelled molluscs		0.01			
Crustaceans		0.01			
Other aquatic animals		0.01			
Honey (including royal-jelly)		0.01			
Wheat bran		5		5	
Pepper,dried ※2				10	
Vegetable oil (limited to refined vegetable oil)		0.5			
Other spices, dried (limited to fruits)		0.1			
Other spices, dried (limited to roots or rhizome)		0.2			

The residue definition is cypermethrin (sum of isomers, including alpha-cypermethrin and zeta-cypermethrin) .

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

* Shaded figures indicate provisional MRLs.

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

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

● : Commodities for which MRLs are to be lowered.

○ : Commodities for which MRLs are to be raised.

§ : Permitted for use in Japan.

Request: Request for setting/revising MRL was made by the MAFF.

※1 The MRL is established on unhulled rice in the USA.

※2 For "Pepper,dried" as food category with MRL set by Codex, MRL of its raw commodity (Other solanaceous vegetables) will apply to the commodity, taking into account of its processing factor. For this substance, JMPR estimates it at 7 for Pepper,dried.

Isometamidium

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.10	0.10		0.1	
Cattle, fat	0.10	0.10		0.1	
Cattle, liver	0.50	0.50		0.5	
Cattle, kidney	1.0	1.0		1	
Cattle, edible offal	0.5	0.5			
Milk	0.10	0.10		0.1	

The residue definition is isometamidium only.

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

* Shaded figures indicate provisional MRLs.

Eugenol

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Salmoniformes (such as salmon and trout)	0.05	0.05	§		
Anguilliformes (such as eel)	0.05	0.05	§		
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)	0.05	0.05	§		
Other fish	0.05	0.05	§		
Crustaceans	0.05	0.05	§		

The residue definition is eugenol only.

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

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

§ : Permitted for use in Japan.

Chlorhexidine

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Other terrestrial mammals, muscle	0.5	0.5	§		
Other terrestrial mammals, fat	0.5	0.5	§		
Other terrestrial mammals, liver	0.5	0.5	§		
Other terrestrial mammals, kidney	0.5	0.5	§		
Other terrestrial mammals, edible offal	0.5	0.5	§		
Milk	0.05	0.05	§		

The residue definition is chlorhexidine only.

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

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

§ : Permitted for use in Japan.

Decoquate

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	1	1			
Other terrestrial mammals, muscle	1	1			
Cattle, fat	2	2			
Other terrestrial mammals, fat	2	2			
Cattle, liver	2	2			
Other terrestrial mammals, liver	2	2			
Cattle, kidney	2	2			
Other terrestrial mammals, kidney	2	2			
Cattle, edible offal	2	2			
Other terrestrial mammals, edible offal	2	2			
Chicken, muscle	0.1	0.1			
Chicken, fat	2	2			
Chicken, liver	0.1	0.1			
Chicken, kidney	0.1	0.1			
Chicken, edible offal	0.1	0.1			

The residue definition is decoquate only.

* The compound shall not be included in any commodity for which MRL is not given in the above table and in any commodity not listed above.

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

Nafcillin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.005	0.005			
Pig, muscle	0.005	0.005			
Other terrestrial mammals, muscle	0.3	0.3			
Cattle, fat	0.005	0.005			
Pig, fat	0.005	0.005			
Other terrestrial mammals, fat	0.3	0.3			
Cattle, liver	0.005	0.005			
Pig, liver	0.005	0.005			
Other terrestrial mammals, liver	0.3	0.3			
Cattle, kidney	0.005	0.005			
Pig, kidney	0.005	0.005			
Other terrestrial mammals, kidney	0.3	0.3			
Cattle, edible offal	0.005	0.005			
Pig, edible offal	0.005	0.005			
Other terrestrial mammals, edible offal	0.3	0.3			
Milk	0.005	0.005			
Chicken, muscle	0.005	0.005			
Other poultry, muscle	0.005	0.005			
Chicken, fat	0.005	0.005			
Other poultry, fat	0.005	0.005			
Chicken, liver	0.005	0.005			
Other poultry, liver	0.005	0.005			
Chicken, kidney	0.005	0.005			
Other poultry, kidney	0.005	0.005			
Chicken, edible offal	0.005	0.005			
Other poultry, edible offal	0.005	0.005			
Chicken eggs	0.005	0.005			
Other poultry, eggs	0.005	0.005			
Salmoniformes (such as salmon and trout)	0.005	0.005			
Anguilliformes (such as eel)	0.005	0.005			
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)	0.005	0.005			
Other fish	0.005	0.005			
Shelled molluscs	0.005	0.005			
Crustaceans	0.005	0.005			
Other aquatic animals	0.005	0.005			
Honey (including royal-jelly)	0.005	0.005			

The residue definition is nafcillin only.

* The compound shall not be included in any commodity for which MRL is not given in the above table and in any commodity not listed above.

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

Nitroxinil

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.5	0.5			
Pig, muscle	1	1			
Other terrestrial mammals, muscle	0.7	0.7			
Cattle, fat	0.6	0.6			
Pig, fat	1	1			
Other terrestrial mammals, fat	0.6	0.6			
Cattle, liver	0.5	0.5			
Pig, liver	1	1			
Other terrestrial mammals, liver	0.5	0.5			
Cattle, kidney	0.5	0.5			
Pig, kidney	1	1			
Other terrestrial mammals, kidney	0.7	0.7			
Cattle, edible offal	0.5	0.5			
Pig, edible offal	1	1			
Other terrestrial mammals, edible offal	1	1			
Chicken, muscle	1	1			
Other poultry, muscle	1	1			
Chicken, fat	1	1			
Other poultry, fat	1	1			
Chicken, liver	1	1			
Other poultry, liver	1	1			
Chicken, kidney	1	1			
Other poultry, kidney	1	1			
Chicken, edible offal	1	1			
Other poultry, edible offal	1	1			

The residue definition is nitroxinil only.

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

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

Virginiamycin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.1	0.1			
Pig, muscle	0.1	0.1			
Other terrestrial mammals, muscle	0.1	0.1			
Cattle, fat	0.2	0.2			
Pig, fat	0.3	0.3			
Other terrestrial mammals, fat	0.1	0.1			
Cattle, liver	0.2	0.2			
Pig, liver	0.3	0.3			
Other terrestrial mammals, liver	0.2	0.2			
Cattle, kidney	0.2	0.2			
Pig, kidney	0.3	0.3			
Other terrestrial mammals, kidney	0.2	0.2			
Cattle, edible offal	0.2	0.2			
Pig, edible offal	0.2	0.2			
Other terrestrial mammals, edible offal	0.2	0.2			
Milk	0.1	0.1			
Chicken, muscle	0.05	0.05			
Other poultry, muscle	0.1	0.1			
Chicken, fat	0.2	0.2			
Other poultry, fat	0.2	0.2			
Chicken, liver	0.2	0.2			
Other poultry, liver	0.2	0.2			
Chicken, kidney	0.2	0.2			
Other poultry, kidney	0.2	0.2			
Chicken, edible offal	0.2	0.2			
Other poultry, edible offal	0.2	0.2			
Chicken eggs	0.1	0.1			
Other poultry, eggs	0.1	0.1			

The residue definition is virginiamycin only.

* The compound shall not be included in any commodity for which MRL is not given in the above table and in any commodity not listed above.

* Shaded figures indicate provisional MRLs.

* In the Commodity column, for the food categories to which the word other is added, refer to the Notes given in the last two pages of the Attachment.

Mecillinam

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.05	0.05			
Pig, muscle	0.05	0.05			
Cattle, fat	0.05	0.05			
Pig, fat	0.05	0.05			
Cattle, liver	0.05	0.05			
Pig, liver	0.05	0.05			
Cattle, kidney	0.05	0.05			
Pig, kidney	0.05	0.05			
Cattle, edible offal	0.05	0.05			
Pig, edible offal	0.05	0.05			
Milk	0.05	0.05			

The residue definition is mecillinam only.

* The compound shall not be included in any commodity for which MRL is not given in the above table and in any commodity not listed above.

* Shaded figures indicate provisional MRLs.

Menbutone

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.04	0.04			
Pig, muscle	0.04	0.04			
Cattle, fat	0.04	0.04			
Pig, fat	0.04	0.04			
Cattle, liver	0.04	0.04			
Pig, liver	0.04	0.04			
Cattle, kidney	0.04	0.04			
Pig, kidney	0.04	0.04			
Cattle, edible offal	0.04	0.04			
Pig, edible offal	0.04	0.04			
Milk	0.04	0.04			

The residue definition is menbutone only.

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

* Shaded figures indicate provisional MRLs.

Notes:

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

“Beans, dry” includes butter beans, cowbeans (red beans), lentil, lima beans, pedia, sultani, sultapya and white beans.

“Other legumes/pulses” refers to all legumes/pulses, except soybeans (dry), beans (dry), peas, broad beans, peanuts (dry), and spices.

“Other potatoes” refers to all potatoes, except potato, taro, sweet potato, yam, and konjac.

“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.

“Other composite vegetables” refers to all composite vegetables, except burdock, salsify, artichoke, chicory, endive, *shungiku*, lettuce (including cos lettuce and leaf lettuce), and herbs.

“Other liliaceous vegetables” refers to all liliaceous vegetables, except onion, welsh (including leek), garlic, *nira*, asparagus, multiplying onion, and herbs.

“Other umbelliferous vegetables” refers to all umbelliferous vegetables, except carrot, parsnip, parsley, celery, *mitsuba*, spices, and herbs.

“Other solanaceous vegetables” refers to all solanaceous vegetables, except tomato, pimienta (sweet pepper), and egg plant.

“Other cucurbitaceous vegetables” refers to all cucurbitaceous vegetables, except cucumber (including gherkin), pumpkin (including squash), oriental pickling melon (vegetable), watermelon, melons, and *makuwauri* melon.

“Other mushrooms” refers to all mushrooms, except button mushroom, and *shiitake* mushroom.

“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.

“Other citrus fruits” refers to all citrus fruits, except *unshu* orange (pulp), citrus *natsudaidai* (pulp), citrus *natsudaidai* (peel), citrus *natsudaidai* (whole), lemon, orange (including navel orange), grapefruit, lime, and spices.

“Other berries” refers to all berries, except strawberry, raspberry, blackberry, blueberry, cranberry, and huckleberry.

“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.

“Other oil seeds” refers to all oil seeds, except sunflower seeds, sesame seeds, safflower seeds, cotton seeds, rapeseeds and spices.

“Other nuts” refers to all nuts, except ginkgo nut, chestnut, pecan, almond and walnut.

“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.

“Other spices (limited to roots and rhizome)” includes asafoetida roots, turmeric root, galangal rhizome and licorice root.

“Other herbs” refers to all herbs, except watercress, *nira*, parsley stems and leaves, celery stems and leaves.

“Edible offal” refers to all edible parts, except muscle, fat, liver, and kidney.

“Other terrestrial mammals” refers to all terrestrial mammals, except cattle and pig.

“Other poultry” refers to all poultry, except chicken.

“Other fish” refers to all fish, except salmoniformes, anguilliformes, and perciformes.

“Other aquatic animals” refers to all aquatic animal, except fish, shelled molluscs and crustaceans.