

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 in some commodities that were provisionally set at the introduction of the Positive List System:

**Pesticides : Uniconazole-P, Oxathiapiprolin , Cadusafos , Pyribencarb,
Fenazaquin, Fluazinam, Broflanilide, Pendimethalin,
Foramsulfuron**

<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 Friday November 26, 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.

<Contact person>

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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

Uniconazole-P (Pesticides: Plant growth regulators): Permitted for use in Japan.

The MHLW is going to establish MRL in one commodity in response to a requests for setting MRL by the Ministry of Agriculture, Forestry and Fisheries (MAFF) with the intention to expand its use pattern.

Oxathiapiprolin (Pesticides: Fungicides): Permitted for use in Japan. The

MHLW is going to establish MRL in one commodity in response to a request for setting it by the MAFF with the intention to expand its use pattern. The MHLW is also going to establish MRLs in multiple commodities in response to requests for setting import tolerances based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan (Shokuan No. 0205001, 5 February 2004). These action will not strengthen the current regulation for any commodities.

Cadusafos (Pesticides: Insecticides/nematodes): Permitted for use in Japan. The

MHLW is going to establish MRL in one commodity in response to a request for setting MRL by the MAFF with the intention to expand its use pattern.

Pyribencarb (Pesticides: Fungicides): Permitted for use in Japan. The MHLW is

going to establish MRLs in several commodities in response to requests for setting MRLs by the MAFF with the intention to expand its use patterns.

Fenazaquin (Pesticides: Insecticides, Fungicides): Not permitted for use in

Japan. The MHLW is going to establish MRLs in multiple commodities response to requests for setting import tolerances based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan (Shokuan No. 0205001, 5 February 2004). The action will not strengthen the current regulation for any commodities.

Fluazinam (Pesticides: Fungicides, Acaricides): Permitted for use in Japan. The

MHLW is going to establish MRL in one commodity in response to a request for setting MRL by the MAFF with the intention to expand its use pattern.

Broflanilide (Pesticides: Insecticides): Permitted for use in Japan. The MHLW is going to establish MRL in one commodity in response to a request for setting import tolerances based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan (Shokuan No. 0205001, 5 February 2004). The action will not strengthen the current regulation for any commodities.

Pendimethalin (Pesticides: Herbicides): Permitted for use in Japan. The MHLW is going to establish MRLs in one agricultural commodity with the intention to expand its use pattern and also in a number of animal commodities in response to both requests for setting MRLs by MAFF. The MHLW is also going to establish MRLs in two commodities in response to requests for setting import tolerances based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan (Shokuan No. 0205001, 5 February 2004).

Foramsulfuron (Pesticides: Herbicides): Permitted for use in Japan. The MHLW is going to establish MRL in one commodity in response to a request for setting MRL by the MAFF with the intention to expand its use pattern. The action will not strengthen the current regulation for any commodities.

Uniconazole-P

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	● 0.02	0.1	§		
Sugar beet	● 0.05	0.1	§		
Cabbage	● 0.05	0.1	§		
Brussels sprouts	●	0.1			
Lettuce (including cos lettuce and leaf lettuce)	0.05	0.05	§		
Onion	0.05	0.05	§		
Tomato	○ 0.05		Request		
Strawberry	● 0.05	0.1	§		
Avocado	0.5	0.5			0.5 ¹ Australia

The residue definition is the sum of uniconazole-P and isomer *E-R* [(*E*)-(*R*)-1-(4-chlorophenyl)-4,4-dimethyl-2-(1*H*-1,2,4-triazole-1-yl)penta-1-en-3-ole], expressed as uniconazole-P.

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

● : 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.

Oxathiapiprolin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Corn (maize, including pop corn and sweet corn)	0.01	0.01		0.01	
Soybeans, dry	0.01	0.01		0.01	
Potato	0.05	0.05	§	0.04	
Taro	0.04	0.04		0.04	
Sweet potato	0.04	0.04		0.04	
Japanese yam (including Chinese yam)	0.04	0.04		0.04	
Konjac	0.04	0.04		0.04	
Other potatoes	0.04	0.04		0.04	
Japanese radish, leaves (including radish)	10	10		10	
Turnip, leaves (including rutabaga)	10	10		10	
Watercress	10	10		10	
Chinese cabbage	10	10	§	10	
Cabbage	2	2	§	0.7	1.5 ¹ USA
Brussels sprouts	2	2			1.5 ¹ USA
Kale	10	10		10	
Komatsuna (Japanese mustard spinach)	10	10		10	
Kyona	10	10		10	
Qing-geng-cai	10	10		10	
Cauliflower	2	2		0.3	1.5 ¹ USA
Broccoli	2	2		1.5	
Other cruciferous vegetables	10	10		10	
Endive	15	15			15 ¹ USA
Shungiku	15	15			15 ¹ USA
Lettuce (including cos lettuce and leaf lettuce)	15	15	§	5	15 ¹ USA
Other composite vegetables	15	15			15 ¹ USA
Onion	0.04	0.04	§	0.04	
Welsh (including leek)	2	2	§	2	
Garlic	0.04	0.04		0.04	
Nira	2	2			2.0 ¹ USA
Asparagus	2	2		2	
Multiplying onion (including shallot)	0.04	0.04		0.04	
Other liliaceous vegetables	2	2		2	
Parsley	15	15			15 ¹ USA
Tomato	0.5	0.5	§	0.4	0.50 ¹ USA
Pimiento (sweet pepper)	0.5	0.5		0.4	0.50 ¹ USA
Egg plant	0.5	0.5		0.4	0.50 ¹ USA
Other solanaceous vegetables	0.5	0.5		0.4	0.50 ¹ USA
Cucumber (including gherkin)	0.2	0.2	§	0.2	
Pumpkin (including squash)	0.2	0.2		0.2	
Oriental pickling melon (vegetable)	0.2	0.2		0.2	
Water melon (whole commodity after removal of stems)	0.2	0.2		0.2	
Melons (whole commodity after removal of stems)	0.2	0.2		0.2	
Makuwauri melon (whole commodity after removal of st	0.2	0.2		0.2	
Other cucurbitaceous vegetables	0.2	0.2		0.2	
Spinach	15	15		15	
Okra	0.5	0.5		0.4	0.50 ¹ USA
Peas, immature (with pods)	1	1		1	
Other vegetables	15	15		2	15 ¹ USA
Unshu orange (whole commodity)	0.06	0.06		0.05	0.06 ¹ USA
Citrus natsudaidai, whole	0.06	0.06		0.05	0.06 ¹ USA
Lemon	0.06	0.06		0.05	0.06 ¹ USA

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Orange (including navel orange)	0.06	0.06		0.05	0.06 ¹ USA
Grapefruit	0.06	0.06		0.05	0.06 ¹ USA
Lime	0.06	0.06		0.05	0.06 ¹ USA
Other citrus fruits	0.06	0.06		0.05	0.06 ¹ USA
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	○ 0.07		Request		—
Strawberry	○ 0.4		IT		0.4 ¹ USA
Raspberry	0.5	0.5		0.5	—
Blackberry	0.5	0.5		0.5	—
Blueberry	○ 0.5		IT		0.5 ¹ USA
Huckleberry	○ 0.5		IT		0.5 ¹ USA
Other berries	0.5	0.5		0.5	—
Grape	0.9	0.9	§	0.9	—
Banana	○ 0.1		IT		0.1 ¹ USA
Avocado	○ 0.1		IT		0.1 ¹ USA
Mango	○ 0.1		IT		0.1 ¹ USA
Other fruits	0.5	0.5		0.4	0.50 ¹ USA
Sunflower seeds	0.01	0.01		0.01	—
Ginkgo nut	0.01		IT		0.01 ¹ USA
Chestnut	0.01		IT		0.01 ¹ USA
Pecan	0.01		IT		0.01 ¹ USA
Almond	0.01		IT		0.01 ¹ USA
Walnut	0.01		IT		0.01 ¹ USA
Other nuts	0.01		IT		0.01 ¹ USA
Hop	○ 5		IT		5 ¹ USA
Other spices	0.05	0.05		0.05	—
Other herbs	15	15		10	15 ¹ USA
Chicken, muscle	0.01	0.01		0.01	—
Other poultry, muscle	0.01	0.01		0.01	—
Chicken, fat	0.01	0.01		0.01	—
Other poultry, fat	0.01	0.01		0.01	—
Chicken, liver	0.01	0.01		0.01	—
Other poultry, liver	0.01	0.01		0.01	—
Chicken, kidney	0.01	0.01		0.01	—
Other poultry, kidney	0.01	0.01		0.01	—
Chicken, edible offal	0.01	0.01		0.01	—
Other poultry, edible offal	0.01	0.01		0.01	—
Chicken eggs	0.01	0.01		0.01	—
Other poultry, eggs	0.01	0.01		0.01	—
Honey (including royal-jelly) *1	0.05	0.05			—

The residue definition is oxathiapiprolin 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 raised.

§ : Permitted for use in Japan.

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

IT: Import tolerance application

*1)The MRL has not been enforced yet. It is currently being processed. It is going to be notified before the revision of this pesticide. For detail, see the material at FSG242 on July 16, 2021.

Cadusafos

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Soybeans, dry	0.01	0.01	§		
Potato	● 0.02	0.03	§		
Taro	0.03	0.03	§		
Sweet potato	0.02	0.02	§		
Sugarcane	0.01	0.01			0.01 Australia
Japanese radish, roots (including radish)	0.05	0.05	§		
Japanese radish, leaves (including radish)	0.05	0.05	§		
Cabbage	0.01	0.01	§		
Kyona	0.05	0.05	§		
Burdock	● 0.3	0.5	§		
Other composite vegetables	○ 5		Request		
Welsh (including leek)	0.01	0.01	§		
Garlic	0.02	0.02	§		
Tomato	0.01	0.01	§		
Pimiento (sweet pepper)	0.01	0.01	§		
Egg plant	0.02	0.02	§		
Other solanaceous vegetables	0.01	0.01	§		
Cucumber (including gherkin)	0.05	0.05	§		
Water melon	0.01	0.01	§		
Melons	0.02	0.02	§		
Spinach	● 0.05	0.1	§		
Ginger	0.1	0.1	§		0.1 Australia
Green soybeans	0.01	0.01	§		
Unshu orange	/	/			
Unshu orange (whole commodity)	0.01	/			0.01 Australia
Citrus natsudaikai, whole	0.01	0.01			0.01 Australia
Lemon	0.01	0.01			0.01 Australia
Orange (including navel orange)	0.01	0.01			0.01 Australia
Grapefruit	0.01	0.01			0.01 Australia
Lime	0.01	0.01			0.01 Australia
Other citrus fruits	0.01	0.01			0.01 Australia
Strawberry	● 0.03	0.05	§		
Banana	0.01	0.01		0.01	
Other herbs	0.5	0.5	§		

The residue definition is cadusafos 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.

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Pyribencarb

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	0.2	0.2	§		
Wheat	0.7	0.7	§		
Soybeans, dry	0.7	0.7	§		
Beans, dry	2	2	§		
Peas	2	2	§		
Broad beans	2	2	§		
Other pulses	2	2	§		
Chinese cabbage	10	10	§		
Cabbage	2	2	§		
Broccoli	2	2	§		
Lettuce (including cos lettuce and leaf lettuce)	○ 30	20	§		
Other composite vegetables	○ 5		Request		
Onion	0.1	0.1	§		
Welsh (including leek)	2	2	§		
Garlic	○ 0.1		Request		
Nira	10	10	§		
Asparagus	0.5	0.5	§		
Carrot	● 0.6	0.7	§		
Tomato	3	3	§		
Pimiento (sweet pepper)	2	2	§		
Egg plant	2	2	§		
Cucumber (including gherkin)	1	1	§		
Water melon		0.2	§		
Water melon (whole commodity after removal of stems)	0.3		§		
Melons		0.1	§		
Melons (whole commodity after removal of stems)	2		§		
Okra	○ 2		Request		
Peas, immature (with pods)	5	5	§		
Kidney beans, immature (with pods)	2	2	§		
Green soybeans	2	2	§		
Other vegetables	5	5	§		
Unshu orange, pulp		0.3	§		
Unshu orange (whole commodity)	5		§		
Citrus natsudaidai, whole	5	5	§		
Lemon	5	5	§		
Orange (including navel orange)	5	5	§		
Grapefruit	5	5	§		
Lime	5	5	§		
Other citrus fruits	5	5	§		
Apple	2	2	§		
Japanese pear	3	3	§		
Pear	3	3	§		
Peach		0.5	§		
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	3		§		
Nectarine	2	2	§		
Apricot	2	2	§		
Japanese plum (including prune)	5	5	§		
Mume plum	5	5	§		
Cherry	10	10	§		

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Strawberry	○ 8	5	§		
Grape	○ 4	2	Request · §		
Japanese persimmon	1	1	§		
Kiwifruit	0.2	0.2	§		
Tea	40	40	§		
Other spices	20	20	§		
Fish	0.04	0.04			

The residue definition for plant commodities is the sum of pyribencarb and metabolite B 【Methyl (Z)-[2-chloro-5-(1-{{(6-methylpyridin-2-yl)methoxy}imino)ethyl)benzyl]carbamate】 , expressed as pyribencarb. For aquatic commodities, pyribencarb 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.

Fenazaquin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cucumber (including gherkin)	○ 0.3		IT		0.3 ¹ USA
Pumpkin (including squash)	○ 0.3		IT		0.3 ¹ USA
Oriental pickling melon (vegetable)	○ 0.3		IT		0.3 ¹ USA
Water melon (whole commodity after removal of stems)	○ 0.3		IT		0.3 ¹ USA
Melons (whole commodity after removal of stems)	○ 0.3		IT		0.3 ¹ USA
Makuwauri melon (whole commodity after removal of stems)	○ 0.3		IT		0.3 ¹ USA
Other cucurbitaceous vegetables	○ 0.3		IT		0.3 ¹ USA
Peas, immature (with pods)	○ 0.4		IT		0.4 ¹ USA
Kidney beans, immature (with pods)	○ 0.4		IT		0.4 ¹ USA
Green soybeans	○ 0.4		IT		0.4 ¹ USA
Other vegetables	○ 0.4		IT		0.4 ¹ USA
Unshu orange (whole commodity)	○ 0.4		IT		0.4 ¹ USA
Citrus natsudaidai, whole	○ 0.4		IT		0.4 ¹ USA
Lemon	○ 0.4		IT		0.4 ¹ USA
Orange (including navel orange)	○ 0.4		IT		0.4 ¹ USA
Grapefruit	○ 0.4		IT		0.4 ¹ USA
Lime	○ 0.4		IT		0.4 ¹ USA
Other citrus fruits	○ 0.4		IT		0.4 ¹ USA
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	○ 2		IT		2 ¹ USA
Nectarine	○ 2		IT		2 ¹ USA
Apricot	○ 2		IT		2 ¹ USA
Japanese plum (including prune)	○ 2		IT		2 ¹ USA
Mume plum	○ 2		IT		2 ¹ USA
Cherry	2	2		2	
Strawberry	○ 2		IT		2 ¹ USA
Raspberry	○ 0.7		IT		0.7 ¹ USA
Blackberry	○ 0.7		IT		0.7 ¹ USA
Blueberry	○ 2		IT		2 ¹ USA
Cranberry	○ 2		IT		2 ¹ USA
Huckleberry	○ 0.8		IT		0.8 ¹ USA
Other berries	○ 2		IT		2 ¹ USA
Grape	○ 0.7		IT		0.7 ¹ USA
Avocado	○ 0.2		IT		0.15 ¹ USA
Pineapple	○ 0.2		IT		0.2 ¹ USA
Passion fruit	○ 0.7		IT		0.7 ¹ USA
Other fruits	○ 2		IT		2 ¹ USA
Ginkgo nut	○ 0.02		IT		0.02 ¹ USA
Chestnut	○ 0.02		IT		0.02 ¹ USA
Pecan	○ 0.02		IT		0.02 ¹ USA
Almond	0.02	0.02	IT		0.02 ¹ USA
Walnut	○ 0.02		IT		0.02 ¹ USA
Other nuts	○ 0.02		IT		0.02 ¹ USA
Tea	10	10			10 ¹ EU
Hop	○ 30		IT	30	
Other spices	○ 0.4		IT		0.4 ¹ USA

The residue definition is fenazaquin 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.

IT : Import tolerance application

Fluazinam

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Wheat	0.05	0.05	§		
Beans, dry	0.1	0.1	§		
Peanuts, dry	0.05	0.05	§		
Potato	0.1	0.1	§		
Sweet potato	○ 0.03		Request		
Japanese yam (including Chinese yam)	0.05	0.05	§		
Sugar beet	0.5	0.5	§		
Japanese radish, roots (including radish)	0.05	0.05	§		
Japanese radish, leaves (including radish)	0.1	0.1	§		
Turnip, roots (including rutabaga)	0.05	0.05	§		
Turnip, leaves (including rutabaga)	0.05	0.05	§		
Chinese cabbage	0.05	0.05	§		
Cabbage	0.05	0.05	§		
Brussels sprouts	0.05	0.05	§		
Komatsuna (Japanese mustard spinach)	0.05	0.05	§		
Kyona	0.05	0.05	§		
Qing-geng-cai	0.05	0.05	§		
Cauliflower	0.05	0.05	§		
Broccoli	0.1	0.1	§		
Other cruciferous vegetables	0.05	0.05	§		
Burdock	0.2	0.2	§		
Lettuce (including cos lettuce and leaf lettuce)	0.05	0.05	§		
Onion	0.2	0.2	§		
Welsh (including leek)	0.05	0.05	§		
Nira	0.05	0.05	§		
Asparagus	0.05	0.05	§		
Other liliaceous vegetables	5	5	§		
Carrot	0.3	0.3	§		
Other solanaceous vegetables	0.3	0.3		0.3 ※1	Korea
Other vegetables (except for stem of taro and rotus root)	5	5	§		
Unshu orange (whole commodity)	2	2	§		
Citrus natsudaidai, whole	5	5	§		
Lemon	5	5	§		
Orange (including navel orange)	5	5	§		
Grapefruit	5	5	§		
Lime	5	5	§		
Other citrus fruits	5	5	§		
Apple	0.2	0.2	§		
Japanese pear	0.2	0.2	§		
Pear	0.2	0.2	§		
Loquat (whole commodity after removal of stems)	○ 3	2	§		
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	○ 1	0.7	§		
Nectarine	0.05	0.05	§		
Apricot	0.05	0.05	§		
Japanese plum (including prune)	0.05	0.05	§		
Mume plum	○ 0.2	0.1	§		
Cherry	0.05	0.05	§		

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Strawberry	0.05	0.05	§		
Blueberry	4	4	§		
Cranberry	4	4			
Huckleberry	4	4			
Other berries	4	4			
Grape	0.05	0.05	§		
Japanese persimmon	0.3	0.3	§		
Kiwifruit (whole commodity)	3	3	§		
Pineapple	0.05	0.05	§		
Guava ※2	●	4			
Other fruits	0.05	0.05	§		
Tea	○	6	§		
Other spices	10	10	§		
Cattle, muscle	0.01	0.01			
Cattle, fat	0.02	0.02			
Cattle, liver	0.01	0.01			
Cattle, kidney	0.01	0.01			
Cattle, edible offal	0.01	0.01			
Milk	0.01	0.01			

The residue definition for agricultural products/commodities is fluazinam only. The residue definition for "Cattle, muscle" and "Cattle, fat" of animal commodities is to be sum of fluazinam, metabolite D (4-chloro-6-(3-chloro-5-trifluoromethyl-2-pyridylamino)- α,α,α -trifluoro-5-nitro-*m*-toluidine), and metabolite E (4-chloro-2-(3-chloro-5-trifluoromethyl-2-pyridylamino)-5-trifluoromethyl-*m*-phenylenediamine), expressed as fluazinam. The residue definition for "Milk" and the other tissues of animal commodities is to be sum of fluazinam, metabolite D and metabolite E, including their conjugates, expressed as fluazinam.

The current residue definition for plant commodities is fluazinam only. The residue definition for "Cattle, muscle" and "Cattle, fat" of animal commodities is sum of fluazinam, metabolite D (4-chloro-6-(3-chloro-5-trifluoromethyl-2-pyridylamino)- α,α,α -trifluoro-5-nitro-*m*-toluidine), and metabolite E (4-chloro-2-(3-chloro-5-trifluoromethyl-2-pyridylamino)-5-trifluoromethyl-*m*-phenylenediamine). The residue definition for "Milk" and the other tissues of animal commodities is sum of fluazinam, metabolite D and metabolite E, including their conjugates.

* 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 lowered.

○ : Commodities for which MRLs are to be raised. (*It should be noted that the residue definition for animal commodities will be changed.)

§ : Permitted for use in Japan.

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

The uniform limit 0.01 ppm is applied to each commodity of stem of taro and rotus root in other vegetables, because they exceed the short-term risk assessment(ESTI).

※1) It is the Korean MRL at the import tolerance application. The MRL isn't changed until the next application.

※2) The current MRL of guavas was set from the import tolerance application according to Chilean guava in US commodity group, but this commodity is classified as the other berry fruits in Codex. Therefore, its classification is changed in Japan, too and the MRL will be removed.

Broflanilide

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Potato	○ 0.04		IT		0.04 ¹ USA
Sweet potato	0.01	0.01	§		
Japanese radish, roots (including radish)	0.01	0.01	§		
Japanese radish, leaves (including radish)	9	9	§		
Turnip, roots (including rutabaga)	0.04	0.04	§		
Turnip, leaves (including rutabaga)	6	6	§		
Chinese cabbage	1	1	§		
Cabbage	0.4	0.4	§		
Kale	10	10	§		
Komatsuna (Japanese mustard spinach)	6	6	§		
Kyona	5	5	§		
Qing-geng-cai	10	10	§		
Cauliflower	2	2	§		
Broccoli	2	2	§		
Other cruciferous vegetables	10	10	§		
Lettuce (including cos lettuce and leaf lettuce)	15	15	§		
Welsh (including leek)	3	3	§		
Green soybeans	0.8	0.8	§		
Other herbs	10	10	§		
Honey (including royal-jelly)	0.05	0.05			

The residue definition is broflanilide 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.

IT : Import tolerance application

The MRL has not been enforced yet. It is currently being processed. It is going to be notified before the revision of this pesticide. For detail, see the material at FSG242 on July 16, 2021.

Pendimethalin

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

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Parsley		0.2	§		
Celery	○ 0.09			0.09	
Other umbelliferous vegetables		0.2	§		
Tomato		0.05			0.1(*) ¹ USA
Egg plant		0.05			0.1(*) ¹ USA
Other solanaceous vegetables		0.05			0.1(*) ¹ USA
Pumpkin (including squash)		0.1	§		
Water melon (whole commodity after removal of stems)	○ 0.05		IT		0.10(*) ¹ USA
Melons (whole commodity after removal of stems)	○ 0.05		IT		0.10(*) ¹ USA
Ginger		0.05	§		
Peas, immature (with pods)		0.05		0.05	
Kidney beans, immature (with pods)		0.05		0.05	
Green soybeans	● 0.02	0.2	§		
Other vegetables	● 0.05	0.1	§	0.05	
Unshu orange, pulp		0.05			
Unshu orange (whole commodity)	0.03			0.03	
Citrus natsudaidai, whole	● 0.03	0.05		0.03	
Lemon	● 0.03	0.05		0.03	
Orange (including navel orange)	● 0.03	0.05		0.03	
Grapefruit	● 0.03	0.05		0.03	
Lime	● 0.03	0.05		0.03	
Other citrus fruits	● 0.03	0.05		0.03	
Apple	● 0.05	0.1	§		0.1(*) ¹ USA
Japanese pear	● 0.05	0.1	§		0.1(*) ¹ USA
Pear	● 0.05	0.1	§		0.1(*) ¹ USA
Quince		0.05			0.1(*) ¹ USA
Loquat		0.05			
Loquat (whole commodity after removal of stems)	0.05				0.1(*) ¹ USA
Peach		0.05			
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	0.05				0.1(*) ¹ USA
Nectarine		0.05			0.1(*) ¹ USA
Apricot		0.05			0.1(*) ¹ USA
Japanese plum (including prune)		0.05			0.1(*) ¹ USA
Mume plum		0.05			0.1(*) ¹ USA
Cherry		0.05			0.1(*) ¹ USA
Strawberry		0.05			0.1(*) ¹ USA
Raspberry		0.05			0.10(*) ¹ USA
Blackberry		0.05			0.10(*) ¹ USA
Blueberry		0.05			0.10(*) ¹ USA
Cranberry		0.05			0.10(*) ¹ USA
Huckleberry		0.05			0.10(*) ¹ USA
Other berries		0.05			0.10(*) ¹ USA
Grape	● 0.05	0.1	§		0.1(*) ¹ USA
Japanese persimmon	●	0.05			
Banana	● 0.02	0.05			
Kiwifruit		0.05			
Kiwifruit (whole commodity)	0.02				
Papaya		0.05			0.05 ¹ Australia
Avocado		0.05			0.05 ¹ Australia
Pineapple		0.05			0.05 ¹ Australia
Guava		0.05			0.05 ¹ Australia

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Mango	0.05	0.05			0.05 ₁ Australia
Passion fruit	0.05	0.05			0.05 ₁ Australia
Date	0.05	0.05			0.05 ₁ Australia
Sunflower seeds	● 0.05	0.1			0.05 ₁ EU
Sesame seeds	0.05	0.05			0.05 ₁ EU
Safflower seeds	0.05	0.05			0.05 ₁ EU
Cotton seeds	● 0.05	0.1			0.1(*) ₁ USA
Rapeseeds	0.05	0.05			0.05 ₁ EU
Other oil seeds	0.05	0.05			0.05 ₁ EU
Ginkgo nut	0.05	0.05		0.05	
Chestnut	0.05	0.05		0.05	
Pecan	0.05	0.05		0.05	
Almond	0.05	0.05		0.05	
Walnut	0.05	0.05		0.05	
Other nuts	0.05	0.05		0.05	
Hop	○ 0.05			0.05	
Other spices	○ 0.05		Request		
Other herbs	○ 0.3			0.3	
Cattle, muscle	○ 0.2		Request	0.2	
Pig, muscle	○ 0.2		Request	0.2	
Other terrestrial mammals, muscle	○ 0.2		Request	0.2	
Cattle, fat	○ 0.3		Request	0.2	
Pig, fat	○ 0.3		Request	0.2	
Other terrestrial mammals, fat	○ 0.3		Request	0.2	
Cattle, liver	○ 0.05		Request	0.05	
Pig, liver	○ 0.05		Request	0.05	
Other terrestrial mammals, liver	○ 0.05		Request	0.05	
Cattle, kidney	○ 0.05		Request	0.05	
Pig, kidney	○ 0.05		Request	0.05	
Other terrestrial mammals, kidney	○ 0.05		Request	0.05	
Cattle, edible offal	○ 0.05		Request	0.05	
Pig, edible offal	○ 0.05		Request	0.05	
Other terrestrial mammals, edible offal	○ 0.05		Request	0.05	
Milk	○ 0.03		Request	0.02	
Chicken, muscle	0.01		Request	0.01	
Other poultry, muscle	0.01		Request	0.01	
Chicken, fat	0.01		Request	0.01	
Other poultry, fat	0.01		Request	0.01	
Chicken, liver	0.01		Request	0.01	
Other poultry, liver	0.01		Request	0.01	
Chicken, kidney	0.01		Request	0.01	
Other poultry, kidney	0.01		Request	0.01	
Chicken, edible offal	0.01		Request	0.01	
Other poultry, edible offal	0.01		Request	0.01	
Chicken eggs	0.01		Request	0.01	
Other poultry, eggs	0.01		Request	0.01	
Fish	0.3	0.3			
Mineral waters	0.02	0.02			

The residue definition is pendimethalin 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.

IT: Import tolerance application

Foramsulfuron

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Sugar beet	0.01		Request		1

The residue definition is foramsulfuron only.

* The uniform limit 0.01 ppm will be applied to commodities not listed above.
Request: Request for setting/revising MRL was made by the MAFF.