

การปรับปรุงแก้ไขมาตรฐานสารเคมีตกค้าง ประเทศญี่ปุ่น  
The 243<sup>rd</sup> Materials for Promotion of Food Import Facilitation

กระทรวงสาธารณสุข แรงงานและสวัสดิการญี่ปุ่นพิจารณาปรับปรุงแก้ไขมาตรฐานสารเคมีทางการเกษตร จำนวน ๖ รายการ ยาสัตว์ ๗ รายการ และสารปรุงแต่งในอาหารสัตว์ ๑ รายการ ดังนี้

(๑) สารเคมีที่คงมาตรฐานเดิม หรือ มิได้เพิ่มความเข้มงวดด้านปริมาณการตกค้าง จำนวน ๑๒ รายการ

๑	Clethodim (Pesticides : Herbicides)
๒	Sedaxane (Pesticides : Fungicides)
๓	Propargite (BPPS) Pesticides : Insecticides / Acaricides
๔	Metamifop (Pesticides : Herbicides)
๕	Isoeugenol (Veterinary drugs : Anesthetics)
๖	Oxyclozanide (Veterinary drugs : Parasiticides)
๗	Canthaxanthin (Feed additives : Colorants)
๘	Tylvalosin (Veterinary drugs : Antibiotics)
๙	Trimethoprim (Veterinary drugs : Synthetic Antimicrobials, Parasiticides)
๑๐	Halofuginone (Veterinary drugs : Synthetic Antimicrobials, Parasiticides)
๑๑	Maduramicin (Veterinary drugs : Antibiotics, Parasiticides)
๑๒	Robenidine (Veterinary drugs : Synthetic Antimicrobials, Parasiticides)

(๒) สารเคมีที่จะเพิ่มความเข้มงวดด้านปริมาณการตกค้างในอาหารบางส่วนของร่างมาตรฐานใหม่ จำนวน ๒ รายการ

๑	Flutianil (Pesticides : Fungicides) จะเพิ่มความเข้มงวดต่อมะเขือเทศ มะเขือม่วง แตงกวา พักทอง แตงโม สตรอเบอร์รี่ น้ำผึ้ง
๒	Mandipropamid (Pesticides : Fungicides) จะเพิ่มความเข้มงวดต่อต้นหอม

หน่วยงานที่เกี่ยวข้องในประเทศไทย สามารถติดต่อขอความร่วมมือกระทรวงสาธารณสุข ญี่ปุ่นพิจารณาแก้ไขปรับปรุงมาตรฐานที่บังคับใช้แล้วให้สอดคล้องกับมาตรฐานของประเทศไทยได้ โดยรวบรวมนำเสนอข้อมูลทางวิชาการสนับสนุนประกอบการพิจารณาของกระทรวงสาธารณสุขญี่ปุ่นได้เสมอ (Based on Application)

หากสามารถนำส่งข้อมูลภายในวันที่ ๑๓ ตุลาคม ๒๕๖๔ กระทรวงสาธารณสุข ญี่ปุ่นอาจพิจารณาปรับปรุงแก้ไขร่างมาตรฐานอีก ก่อนรวบรวมแจ้ง WTO/SPS ในโอกาสต่อไป

ร่างมาตรฐานและรายละเอียดที่ปรากฏในเอกสารแนบท้าย อาจได้รับการปรับปรุงแก้ไขอีก ก่อนหรือหลังการประกาศใช้ กรุณาตรวจสอบข้อมูลที่เป็นปัจจุบัน (Update) ก่อนอ้างอิงใช้งาน

## **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 System<sup>1</sup> 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 : **Clethodim, Sedaxane, Flutianil, Propargite,  
Mandipropamid, Metamifop**  
Veterinary drugs : **Isoeugenol, Oxyclozanide, Tylvalosin,  
Trimethoprim, Halofuginone, Maduramicin, Robenidine**  
Feed additives : **Canthaxanthin**

<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 Wednesday October 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.

<Contact person>

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Ministry of Health, Labour and Welfare  
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<sup>1</sup> 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

**Clethodim** (Pesticides: Herbicides): Permitted for use in Japan. The MHLW is going to establish MRL in one commodity in response to requests for setting MRLs by the Ministry of Agriculture, Forestry and Fisheries (MAFF) with the intention to expand its use pattern. This action will not strengthen the current regulation for any commodities.

**Sedaxane** (Pesticides: Fungicides): Not 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 newly register this substance as a pesticide. This action will not strengthen the current regulation for any commodities.

**Flutianil** (Pesticides: Fungicides): Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to requests for setting MRLs by the MAFF with the intention to expand its use patterns.

**Propargite** (BPPS) (Pesticides: Insecticides/Acaricides): Permitted for use in Japan. The MHLW is going to establish MRL in one commodity in response to requests for setting MRLs by the MAFF with the intention to expand its use patterns. This action will not strengthen the current regulation for any commodities.

**Mandipropamid** (Pesticides: Fungicides): Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities 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).

**Metamifop** (Pesticides: Herbicides): Permitted for use in Japan. The MHLW is going to establish MRL in one agricultural commodity in response to request for setting MRL by the MAFF with the intention to expand its use pattern. The MHLW is also going to establish MRLs for animal products and fish in response to a requests from the MAFF. These action will not strengthen the current regulation for any commodities.

Modification of MRLs in animal commodities that were provisionally set at the introduction of the Positive List System in consideration of dietary risk assessment on the following Veterinary drugs and Feed additives:

**Isoeugenol** (Veterinary drugs /Anesthetics)\*

**Oxyclozanide** (Veterinary drugs /Parasiticides)\*\*

**Canthaxanthin** (Feed additives/ Colorants)\*\*

**Tylvalosin** (Veterinary drugs /Antibiotics)\*\*

**Trimethoprim** (Veterinary drugs /Synthetic Antimicrobials, Parasiticides)\*\*

**Halofuginone** (Veterinary drugs /Synthetic Antimicrobials, Parasiticides)\*

**Maduramicin** (Veterinary drugs /Antibiotics, Parasiticides)\*

**Robenidine** (Veterinary drugs /Synthetic Antimicrobials, Parasiticides)\*

\*: Not permitted for use in Japan

\*\* : Permitted for use in Japan

All current MRLs would be also retained on these products after reconsideration.

Clethodim

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Corn (maize, including pop corn and sweet corn)	0.2	0.2			0.2 <sup>1</sup> USA
Soybeans, dry	10	10	§	10	
Beans, dry	2	2	§	2	
Peas	2	2		2	
Broad beans	2	2		2	
Peanuts, dry	5	5		5	
Other pulses	2	2		2	
Potato	1	1	§	0.5	1.0 <sup>1</sup> USA
Sweet potato	1	1	§		1.0 <sup>1</sup> USA
Japanese yam (including Chinese yam)	1	1			1.0 <sup>1</sup> USA
Sugar beet	0.1	0.1	§	0.1	
Japanese radish, roots (including radish)	1	1	§		1.0 <sup>1</sup> USA
Japanese radish, leaves (including radish)	1	1	§		1.0 <sup>1</sup> USA
Cabbage	0.3	0.3	§		
Onion	0.5	0.5	§	0.5	
Welsh (including leek)	0.2	0.2	§		
Garlic	0.5	0.5	§	0.5	
Asparagus	0.2	0.2	§		
Carrot	0.1	0.1	§		
Tomato	1	1		1	
Pimiento (sweet pepper)	1	1			1.0 <sup>1</sup> USA
Cucumber (including gherkin)	0.5	0.5			0.50 <sup>1</sup> USA
Pumpkin (including squash)	0.5	0.5	§		0.50 <sup>1</sup> USA
Water melon (whole commodity after removal of stems)	○ 2				2.0 <sup>1</sup> USA
Melons (whole commodity after removal of stems)	○ 2				2.0 <sup>1</sup> USA
Makuwauri melon (whole commodity after removal of stems)	○ 2				2.0 <sup>1</sup> USA
Kidney beans, immature (with pods)	0.5	0.5		0.5	
Green soybeans	2	2	§		
Other vegetables	0.5	0.5	§	0.5	
Cranberry	0.5	0.5			0.50 <sup>1</sup> USA
Sunflower seeds	0.5	0.5	§	0.5	
Cotton seeds	0.5	0.5		0.5	
Rapeseeds	0.5	0.5		0.5	
Hop	0.5	0.5			0.5 <sup>1</sup> USA
Other spices	○ 0.1		Request		
Cattle, muscle	0.2	0.2		0.2	
Pig, muscle	0.2	0.2		0.2	
Other terrestrial mammals, muscle	0.2	0.2		0.2	
Cattle, fat	0.2	0.2			
Pig, fat	0.2	0.2			
Other terrestrial mammals, fat	0.2	0.2			
Cattle, liver	0.2	0.2		0.2	
Pig, liver	0.2	0.2		0.2	
Other terrestrial mammals, liver	0.2	0.2		0.2	
Cattle, kidney	0.2	0.2		0.2	
Pig, kidney	0.2	0.2		0.2	
Other terrestrial mammals, kidney	0.2	0.2		0.2	
Cattle, edible offal	0.2	0.2		0.2	
Pig, edible offal	0.2	0.2		0.2	
Other terrestrial mammals, edible offal	0.2	0.2		0.2	
Milk	0.05	0.05		0.05	

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Chicken, muscle	0.2	0.2		0.2	
Other poultry, muscle	0.2	0.2		0.2	
Chicken, fat	0.2	0.2			
Other poultry, fat	0.2	0.2			
Chicken, liver	0.2	0.2		0.2	
Other poultry, liver	0.2	0.2		0.2	
Chicken, kidney	0.2	0.2		0.2	
Other poultry, kidney	0.2	0.2		0.2	
Chicken, edible offal	0.2	0.2		0.2	
Other poultry, edible offal	0.2	0.2		0.2	
Chicken eggs	0.05	0.05		0.05	
Other poultry, eggs	0.05	0.05		0.05	
Soybean oil ※				0.5	
Sunflower oil ※				0.1	
Cottonseed oil ※	0.5	0.5		0.5	
Rapeseed oils, crude	0.5	0.5		0.5	

The residue definition is the sum of Clethodim and its metabolites which are oxidized with m-chloroperoxybenzoic acid to metabolite C[(±)-2-[(EZ)-1-[(E)-3-Chloroallyloxyimino]propyl]-5-[2-(ethylsulphonyl)propyl]-3-hydroxycyclohex-2-enone] and metabolite O[(±)-2-[(EZ)-1-[(E)-3-Chloroallyloxyimino]propyl]-5-[2-(ethylsulphonyl)propyl]-3,5-dihydroxycyclohex-2-enone], expressed as Clethodim

\* 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.

※ Regarding processed foods such as Soybean oil and Sunflower oil, although Codex MRL have been set, the MRL will not be set because the concentration in the raw materials converted to the concentration using the processing coefficient dose not exceed the value of the raw materials. For this substance, JMPR estimated processing factors at 0.1 for Soybean oil and 0.2 for Sunflower oil.

Sedaxane

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Wheat	0.01	0.01		0.01	
Barley	0.01	0.01		0.01	
Rye	0.01	0.01		0.01	
Corn (maize, including pop corn and sweet corn)	0.01			0.01	
Buckwheat	0.01			0.01	
Other cereal grains	0.01	0.01		0.01	
Soybeans, dry	0.01	0.01		0.01	
Beans, dry	0.01			0.01	
Peas	0.01			0.01	
Broad beans	0.01			0.01	
Other pulses	0.01			0.01	
Potato	0.02	0.02		0.02	
Sugar beet	0.01		Request		
Other vegetables	0.01			0.01	
Rapeseeds	0.01	0.01		0.01	
Other oil seeds	0.01			0.01	
Cattle, muscle	0.01	0.01		0.01	
Pig, muscle	0.01	0.01		0.01	
Other terrestrial mammals, muscle	0.01	0.01		0.01	
Cattle, fat	0.01	0.01		0.01	
Pig, fat	0.01	0.01		0.01	
Other terrestrial mammals, fat	0.01	0.01		0.01	
Cattle, liver	0.01	0.01		0.01	
Pig, liver	0.01	0.01		0.01	
Other terrestrial mammals, liver	0.01	0.01		0.01	
Cattle, kidney	0.01	0.01		0.01	
Pig, kidney	0.01	0.01		0.01	
Other terrestrial mammals, kidney	0.01	0.01		0.01	
Cattle, edible offal	0.01	0.01		0.01	
Pig, edible offal	0.01	0.01		0.01	
Other terrestrial mammals, edible offal	0.01	0.01		0.01	
Milk	0.01	0.01		0.01	
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	

The residue definition for sedaxane is the sum of cis- and trans-isomers of sedaxane.

\* 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.

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

Flutianil

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Parsley	○ 5		Request		
Tomato	● 0.2	0.3	§		
Pimiento (sweet pepper)	○ 0.3		Request		
Egg plant	● 0.1	0.2	§		
Cucumber (including gherkin)	● 0.09	0.2	§		
Pumpkin (including squash)	● 0.06	0.2	§		
Water melon	● 0.01	0.05	§		
Melons (whole commodity after removal of stems)	0.07	0.07	§		0.07, USA
Other cucurbitaceous vegetables	○ 0.2		Request		
Peas, immature (with pods)	0.5	0.5	§		
Other vegetables	○ 10		Request		
Apple	0.2	0.2			0.15, USA
Cherry	0.4	0.4			0.4 <sup>1</sup> , USA
Strawberry	● 0.3	0.5	§		
Grape	0.7	0.7			0.7 <sup>1</sup> , USA
Honey	0.05	※0.05			

The residue definition is Flutianil 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 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.

※ 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.



Propargite

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Corn (maize, including pop corn and sweet corn)	0.1	0.1		0.1	
Soybeans, dry	0.3	0.3			
Beans, dry	0.3	0.3		0.3	
Broad beans	0.3	0.3		0.3	
Peanuts, dry	0.1	0.1		0.1	
Other pulses	0.3	0.3		0.3	
Potato	0.03	0.03		0.03	
Tomato	2	2		2	
Unshu orange, pulp	/	0.2	§		
Unshu orange (whole commodity)	4	/	§		
Citrus natsudaikai, whole	○ 5	3	§	3	
Lemon	○ 5	3	§	3	
Orange (including navel orange)	○ 5	3	§	3	
Grapefruit	○ 5	3	§	3	
Lime	○ 5	3	§	3	
Other citrus fruits	○ 5	3	§	3	
Apple	5	5	§	3	
Peach	/	0.1	§		
Peach (whole commodity after removal of stems and stones but the residue calculated and expressed on the whole commodity without stems)	5	/	§	4	
Nectarine	4	4		4	
Apricot	4	4		4	
Japanese plum (including prune)	○ 5	4	Request	4	
Mume plum	4	4		4	
Cherry	4	4	§	4	
Grape	7	7	§	7	
Cotton seeds	0.1	0.1		0.1	
Almond	0.1	0.1		0.1	
Walnut	0.3	0.3		0.3	
Tea	5	5	§	5	
Hop	100	100		100	
Other spices	10	10	§	3	
Cattle, muscle	0.1	0.1			
Pig, muscle	0.1	0.1			
Other terrestrial mammals, muscle	0.1	0.1			
Cattle, fat	0.1	0.1		0.1	
Pig, fat	0.1	0.1		0.1	
Other terrestrial mammals, fat	0.1	0.1		0.1	
Cattle, liver	0.1	0.1		0.1	
Pig, liver	0.1	0.1		0.1	
Other terrestrial mammals, liver	0.1	0.1		0.1	
Cattle, kidney	0.1	0.1		0.1	
Pig, kidney	0.1	0.1		0.1	
Other terrestrial mammals, kidney	0.1	0.1		0.1	
Cattle, edible offal	0.1	0.1		0.1	
Pig, edible offal	0.1	0.1		0.1	
Other terrestrial mammals, edible offal	0.1	0.1		0.1	
Milk	0.1	0.1		0.1	
Chicken, muscle	0.1	0.1			
Other poultry, muscle	0.1	0.1			
Chicken, fat	0.1	0.1		0.1	
Other poultry, fat	0.1	0.1		0.1	

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Chicken, liver	0.1	0.1		0.1	
Other poultry, liver	0.1	0.1		0.1	
Chicken, kidney	0.1	0.1		0.1	
Other poultry, kidney	0.1	0.1		0.1	
Chicken, edible offal	0.1	0.1		0.1	
Other poultry, edible offal	0.1	0.1		0.1	
Chicken eggs	0.1	0.1		0.1	
Other poultry, eggs	0.1	0.1		0.1	
Fish	0.2	0.2			
Corn flour ※1		0.2		0.2	
Corn oil ※1,2		0.5		0.5	
Corn oil ※1,3		0.7		0.7	
Peanut oils ※1,4		0.3		0.3	
Peanut oils ※1,5		0.3		0.3	
Orange juice ※1		0.3		0.3	
Apple juice ※1		0.2		0.2	
Grape juice	1	1		1	
Raisin	12	12		12	
Cottonseed oil	0.2	0.2		0.2	

The residue definition is Propargite 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.

O : 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 Regarding processed foods such as Corn oil and Peanut oils, although Codex MRL have been set, the MRL will not be set because the concentration in the raw materials converted to the concentration using the processing coefficient dose not exceed the value of the raw materials. For this substance, JMPR estimated processing factors at 1.6 for Corn flour, 5.2 for Corn oil(※2), 5.6 for Corn oil(※3), 2.5 for Peanut oils(※4), 3.0 for Peanut oils(※5), 0.09 for Orange juice and 0.05 for Apple juice.

※2 Corn oil Limited to 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.

※3 Corn 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.

※4 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.

※5 Peanut oils Except 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.

※6 Limited to refined cottonseed oil and cottonseed 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.

Mandipropamid

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Soybeans, dry	0.2	0.2	§		
Beans, dry	0.1	0.1	§		
Potato	○ 0.1	0.09	§	0.1	
Taro	0.01	0.01			
Sweet potato	0.01	0.01			
Japanese yam (including Chinese yam)	0.01	0.01			
Other potatoes	0.01	0.01			
Japanese radish, leaves (including radish)	25	25		25	
Turnip, leaves (including rutabaga)	25	25		25	
Watercress	25	25		25	
Chinese cabbage	25	25	§	25	
Cabbage	3	3	§	3	
Brussels sprouts	3	3			3.0 <sup>1</sup> USA
Kale	25	25		25	
Komatsuna (Japanese mustard spinach)	25	25		25	
Kyona	25	25		25	
Qing-geng-cai	25	25		25	
Cauliflower	3	3			3.0 <sup>1</sup> USA
Broccoli	5	5	§	2	
Other cruciferous vegetables	25	25		25	
Chicory	25	25		25	
Endive	25	25		25	
Shungiku	25	25		25	
Lettuce (including cos lettuce and leaf lettuce)	25	25	§	25	
Other composite vegetables	25	25		25	
Onion	0.1	0.1	§	0.1	
Welsh (including leek)	● 4	7	§		4.0 <sup>1</sup> USA
Garlic	0.05	0.05			0.05 <sup>1</sup> USA
Other liliaceous vegetables	7	7		7	
Parsley	20	20			* 20 <sup>1</sup> USA
Celery	20	20		20	
Tomato	○ 3	2	§ · IT	0.3	3 <sup>1</sup> EU
Pimiento (sweet pepper)	2	2	§	1	
Egg plant	2	2	§		
Other solanaceous vegetables	25	25		25	
Cucumber (including gherkin)	0.3	0.3		0.2	
Pumpkin (including squash)	0.3	0.3		0.2	
Oriental pickling melon (vegetable)	○ 0.5	0.3		0.5	
Water melon		0.2			
Water melon (whole commodity after removal of stems)	0.2		§		
Melons		0.01			
Melons (whole commodity after removal of stems)	0.5			0.5	
Makuwauri melon		0.01			
Makuwauri melon (whole commodity after removal of stems)	0.5			0.5	
Other cucurbitaceous vegetables	25	25		25	
Spinach	25	25	§	25	
Okra	1	1			1.0 <sup>1</sup> USA
Ginger	0.01	0.01			
Kidney beans, immature (with pods)	○ 1			1	
Green soybeans	○ 3	2	§	1	
Other vegetables	25	25		25	

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Unshu orange, pulp		0.3			
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	§		
Strawberry	5	5	§		
Grape	3	3	§	2	
Other fruits	3	3	§		
Cacao beans	○ 0.06		IT	0.06	0.06 EU
Hop	90	90	§	90	
Other spices	10	10	§		
Other herbs	25	25	§	25	
Cattle, muscle	0.01			0.01	
Pig, muscle	0.01			0.01	
Other terrestrial mammals, muscle	0.01			0.01	
Cattle, fat	0.01			0.01	
Pig, fat	0.01			0.01	
Other terrestrial mammals, fat	0.01			0.01	
Cattle, liver	0.01			0.01	
Pig, liver	0.01			0.01	
Other terrestrial mammals, liver	0.01			0.01	
Cattle, kidney	0.01			0.01	
Pig, kidney	0.01			0.01	
Other terrestrial mammals, kidney	0.01			0.01	
Cattle, edible offal	0.01			0.01	
Pig, edible offal	0.01			0.01	
Other terrestrial mammals, edible offal	0.01			0.01	
Milk	0.01			0.01	
Chicken, muscle	0.01			0.01	
Other poultry, muscle	0.01			0.01	
Chicken, fat	0.01			0.01	
Other poultry, fat	0.01			0.01	
Chicken, liver	0.01			0.01	
Other poultry, liver	0.01			0.01	
Chicken, kidney	0.01			0.01	
Other poultry, kidney	0.01			0.01	
Chicken, edible offal	0.01			0.01	
Other poultry, edible offal	0.01			0.01	
Chicken eggs	0.01			0.01	
Other poultry, eggs	0.01			0.01	
Honey (including royal-jelly) ※1	0.05	0.05			
Pepper, dried ※2				10	
Raisin ※2				5	

The residue definition is Mandipropamid 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.

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.

※2 For “Pepper, dried” and “Dried grapes” as food category with MRL set by Codex, MRL of its raw commodity (Other solanaceous vegetables and Grapes) will apply to the commodity, taking into account of its processing factor. For this substance, JMPR estimates it at 7 for Pepper, dried and 3.91 for Dried grapes.

\* : Previous tolerances for residue on Mandipropamid in the USA, which is the basis of current MRLs to be retained.

Metamifop

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Rice (brown rice)	○ 0.03	0.02	§ · Request		
Cattle, muscle	0.01		Request		
Pig, muscle	0.01		Request		
Other terrestrial mammals, muscle	0.01		Request		
Cattle, fat	○ 0.03		Request		
Pig, fat	0.01		Request		
Other terrestrial mammals, fat	○ 0.03		Request		
Cattle, liver	0.01		Request		
Pig, liver	0.01		Request		
Other terrestrial mammals, liver	0.01		Request		
Cattle, kidney	0.01		Request		
Pig, kidney	0.01		Request		
Other terrestrial mammals, kidney	0.01		Request		
Cattle, edible offal	0.01		Request		
Pig, edible offal	0.01		Request		
Other terrestrial mammals, edible offal	0.01		Request		
Milk	0.01		Request		
Fish	○ 0.02		Request		

The residue definition is Metamifop 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.

Isoeugenol

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Salmoniformes (such as salmon and trout)	100	100			:
Anguilliformes (such as eel)	100	100			:
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)	100	100			:
Other fish	100	100			:

The residue definition is Isoeugenol 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.

Oxyclozanide

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.1	0.1	§		
Other terrestrial mammals, muscle	0.3	0.3			
Cattle, fat	0.5	0.5	§		
Other terrestrial mammals, fat	0.02	0.02			
Cattle, liver	0.5	0.5	§		
Other terrestrial mammals, liver	1	1			
Cattle, kidney	0.5	0.5	§		
Other terrestrial mammals, kidney	1	1			
Cattle, edible offal	0.5	0.5	§		
Other terrestrial mammals, edible offal	2	2			
Milk	0.3	0.3	§		

The residue definition is Oxyclozanide 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.



Canthaxanthin

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	0.1	0.1			
Pig, fat	0.1	0.1			
Other terrestrial mammals, fat	0.1	0.1			
Cattle, liver	0.1	0.1			
Pig, liver	0.1	0.1			
Other terrestrial mammals, liver	0.1	0.1			
Cattle, kidney	0.1	0.1			
Pig, kidney	0.1	0.1			
Other terrestrial mammals, kidney	0.1	0.1			
Cattle, edible offal	0.1	0.1			
Pig, edible offal	0.1	0.1			
Other terrestrial mammals, edible offal	0.1	0.1			
Milk	0.1	0.1			
Chicken, muscle	10	10	§		
Other poultry, muscle	0.1	0.1			
Chicken, fat	10	10	§		
Other poultry, fat	0.1	0.1			
Chicken, liver	10	10	§		
Other poultry, liver	0.1	0.1			
Chicken, kidney	10	10	§		
Other poultry, kidney	0.1	0.1			
Chicken, edible offal	10	10	§		
Other poultry, edible offal	0.1	0.1			
Chicken eggs(yolk)	25	25	§		
Other poultry, eggs	0.1	0.1			
Salmonidae (such as salmon and trout)	20	20	§		
Anguilliformes (such as eel)	0.1	0.1			
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)	0.1	0.1			
Other fish	0.1	0.1			
Shelled molluscs	0.1	0.1			
Crustaceans	0.1	0.1			
Other aquatic animals	0.1	0.1			
Honey (including royal-jelly)	0.1	0.1			
IKURA (Salmonid roe products)	20	20	§		
SUJIKO (Salmonid roe products)	20	20	§		

The residue definition is Canthaxanthin 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.

Tylvalosin

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

The residue definition is Acetylisovaleryltylosin 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.

Trimethoprim

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.05	0.05			
Pig, muscle	0.1	0.1	§		
Other terrestrial mammals, muscle	0.08	0.08			
Cattle, fat	0.05	0.05			
Pig, fat	0.1	0.1	§		
Other terrestrial mammals, fat	0.1	0.1			
Cattle, liver	0.05	0.05			
Pig, liver	0.1	0.1	§		
Other terrestrial mammals, liver	0.08	0.08			
Cattle, kidney	0.05	0.05			
Pig, kidney	0.1	0.1	§		
Other terrestrial mammals, kidney	0.08	0.08			
Cattle, edible offal	0.05	0.05			
Pig, edible offal	0.05	0.05	§		
Other terrestrial mammals, edible offal	0.05	0.05			
Milk	0.05	0.05			
Chicken, muscle	0.05	0.05	§		
Other poultry, muscle	0.05	0.05			
Chicken, fat	0.05	0.05	§		
Other poultry, fat	0.05	0.05			
Chicken, liver	0.05	0.05	§		
Other poultry, liver	0.05	0.05			
Chicken, kidney	0.05	0.05	§		
Other poultry, kidney	0.05	0.05			
Chicken, edible offal	0.05	0.05	§		
Other poultry, edible offal	0.05	0.05			
Chicken eggs	0.02	0.02	§		
Other poultry, eggs	0.02	0.02			
Salmoniformes (such as salmon and trout)	0.08	0.08			
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			
Shelled molluscs	0.05	0.05			
Crustaceans	0.05	0.05			
Other aquatic animals	0.05	0.05			

The residue definition is Trimethoprim 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.

Halofuginone

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Cattle, muscle	0.01	0.01			
Cattle, fat	0.03	0.03			
Cattle, liver	0.02	0.02			
Cattle, kidney	0.02	0.02			
Cattle, edible offal	0.02	0.02			
Chicken, muscle	0.01	0.01			
Other poultry, muscle	0.05	0.05			
Chicken, fat	0.01	0.01			
Other poultry, fat	0.05	0.05			
Chicken, liver	0.4	0.4			
Other poultry, liver	0.6	0.6			
Chicken, kidney	1	1			
Other poultry, kidney	1	1			
Chicken, edible offal	1	1			
Other poultry, edible offal	1	1			

The residue definition is Halofuginone 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.

Maduramicin

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Chicken, muscle	0.1	0.1			
Other poultry, muscle	0.1	0.1			
Chicken, fat	0.4	0.4			
Other poultry, fat	0.1	0.1			
Chicken, liver	0.8	0.8			
Other poultry, liver	0.8	0.8			
Chicken, kidney	1	1			
Other poultry, kidney	1	1			
Chicken, edible offal	1	1			
Other poultry, edible offal	1	1			

The residue definition is Maduramicin 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.

Robenidine

Commodity	MRL (draft) ppm	MRL (current) ppm	Registration	Reference MRL	
				Codex ppm	Country/Region ppm
Chicken, muscle	0.1	0.1			
Other poultry, muscle	1	1			
Chicken, fat	0.2	0.2			
Other poultry, fat	1	1			
Chicken, liver	0.1	0.1			
Other poultry, liver	0.1	0.1			
Chicken, kidney	0.1	0.1			
Other poultry, kidney	0.1	0.1			
Chicken, edible offal	0.1	0.1			
Other poultry, edible offal	0.1	0.1			

The residue definition is Robenidine 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.

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.