**THE 213th CONFERENCE FOR PROMOTION OF FOOD IMPORT FACILITATION**

### (FOOD SAFETY GROUP)

**Food Safety Standards and Evaluation Division Pharmaceutical Safety and Environmental Health Bureau Ministry of Health, Labour and Welfare**

Date ：Monday, May 21, 2018（10:00－12:00）

Place：Ministry of Health, Labour and Welfare Temporary Meeting Room No. 1

1-2-2, Kasumigaseki, Chiyoda-ku, Tokyo

**Agenda：**

**Item 1. Establishment of the Maximum Residue Limits for Agricultural and Veterinary Chemicals in Foods**

#### Pesticide：2, 4-D, Chlorfluazuron, Chlormequat, Picoxystrobin, Pyribencarb, Metalaxyl and Metalaxyl-M

Pesticide and Veterinary drug：Spinosad

**Item 2. Revision of Standards for a Food Additive** Sodium Selenite and Biotin

## <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 **Monday, June 4, 2018**. After the given date, comments should be directed to the enquiry point in accordance with the WTO/SPS Agreement.

With regard to agenda item 1, the SPS notification will be made for the setting or revision of the MRL for the agricultural and veterinary chemicals except for Picoxystrobin and Pyribencarb for which regulations will not be strengthened by this amendment.

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>

Food Safety Standards and Evaluation Division, Pharmaceutical Safety and Environmental Health Bureau, Ministry of Health, Labour and Welfare

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Pesticide/Veterinary drug/Feed additive (Item 1)

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Food additive (Item 2)

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**Item 1. 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 11, 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:

Pesticides：2, 4-D, Chlorfluazuron, Chlormequat, Picoxystrobin, Pyribencarb, Metalaxyl and Metalaxyl-M

Pesticides and Veterinary drugs：Spinosad

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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

## **2, 4-D (pesticide: herbicide)**: Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the Ministry of Agriculture, Forestry and Fisheries (MAFF) with the intention to expand its use pattern and 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 MHLW is also going to modify MRLs in some commodities that were provisionally set at the introduction of the Positive List System.

**Chlorfluazuron (pesticide: insecticide)**: Permitted for use in Japan. The MHLW is going to modify the existing MRLs for animal products in response to a request by the MAFF. The MHLW is also going to modify MRLs in some commodities that were provisionally set at the introduction of the Positive List System.

**Chlormequat (pesticide: plant growth regulator)**: Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the MAFF with the intention to expand its use pattern. The MHLW is also going to modify MRLs in some commodities that were provisionally set at the introduction of the Positive List System.

**Picoxystrobin (pesticide: fungicide)**: Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the MAFF with the intention to expand its use pattern. This action will not strengthen the current regulation for any commodities.

**Pyribencarb (pesticide: fungicide)**: Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the MAFF with the intention to expand its use pattern. This action will not strengthen the current regulation for any commodities.

**Metalaxyl and Metalaxyl-M (pesticide: fungicide)**: Permitted for use in Japan. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the MAFF with the intention to expand its use pattern and 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).

**Spinosad (pesticide and Veterinary drug: insecticide/ectoparasiticide)**: Permitted for use in Japan as a pesticide and a veterinary drug. The MHLW is going to establish MRLs in some commodities in response to a request for setting MRLs by the MAFF with the intention to expand its use pattern.

#### 2,4-D

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Rice (brown rice) | ● | 0.05 | 0.1 | § |  |  |  |
| Wheat | ○ | 2 | 0.5 |  | 2 |  |  |
| Barley | ○ | 2 | 0.5 |  |  | 2 | USA |
| Rye | ○ | 2 | 0.5 |  | 2 |  |  |
| Corn (maize, including pop corn and sweet corn) | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Buckwheat | ● | | 0.2 |  |  |  |  |
| Other cereal grains | ○ | 2 | 0.5 |  | 0.01 |  |  |
| Soybeans, dry | ● | 0.01 | 0.05 |  | 0.01 |  |  |
| Beans, dry | ● | | 0.05 |  |  |  |  |
| Peas | ● | | 0.05 |  |  |  |  |
| Broad beans | ● | | 0.05 |  |  |  |  |
| Peanuts, dry | ● | | 0.05 |  |  |  |  |
| Other pulses | ● | | 0.05 |  |  |  |  |
| Potato | ○ | 0.4 | 0.2 |  | 0.2 | 0.4 | USA |
| Taro | ● | | 0.05 |  |  |  |  |
| Sweet potato | ● | | 0.05 |  |  |  |  |
| Yam | ● | | 0.05 |  |  |  |  |
| Konjac | ● | | 0.05 |  |  |  |  |
| Other potatoes | ● | | 0.05 |  |  |  |  |
| Sugar beet | ● | | 0.08 |  |  |  |  |
| Sugarcane | ○ | 0.1 | 0.05 | §・Request | 0.05 |  |  |
| Japanese radish, roots (including radish) | ● | | 0.08 |  |  |  |  |
| Japanese radish, leaves (including radish) | ● | | 0.05 |  |  |  |  |
| Turnip, roots (including rutabaga) | ● | | 0.08 |  |  |  |  |
| Turnip, leaves (including rutabaga) | ● | | 0.05 |  |  |  |  |
| Horseradish | ● | | 0.08 |  |  |  |  |
| Watercress | ● | | 0.08 |  |  |  |  |
| Chinese cabbage | ● | | 0.08 |  |  |  |  |
| Cabbage | ● | | 0.08 |  |  |  |  |
| Brussels sprouts | ● | | 0.08 |  |  |  |  |
| Kale | ● | | 0.08 |  |  |  |  |
| Komatsuna(Japanese mustard spinach) | ● | | 0.08 |  |  |  |  |
| Kyona | ● | | 0.08 |  |  |  |  |
| Qing-geng-cai | ● | | 0.08 |  |  |  |  |
| Cauliflower | ● | | 0.08 |  |  |  |  |
| Broccoli | ● | | 0.08 |  |  |  |  |
| Other cruciferous vegetables | ● | | 0.08 |  |  |  |  |
| Burdock | ● | | 0.08 |  |  |  |  |
| Salsify | ● | | 0.08 |  |  |  |  |
| Artichoke | ● | | 0.05 |  |  |  |  |
| Chicory | ● | | 0.08 |  |  |  |  |
| Endive | ● | | 0.08 |  |  |  |  |
| Shungiku | ● | | 0.08 |  |  |  |  |
| Lettuce (including cos lettuce and leaf lettuce) | ● | | 0.08 |  |  |  |  |
| Other composite vegetables | ● | | 0.08 |  |  |  |  |
| Onion | ● | | 0.05 |  |  |  |  |
| Welsh (including leek) | ● | | 0.05 |  |  |  |  |
| Garlic | ● | | 0.05 |  |  |  |  |
| Nira | ● | | 0.05 |  |  |  |  |
| Asparagus | ○ | 5 | 5 |  |  | 5 | USA |
| Multiplying onion (including shallot) | ● | | 0.05 |  |  |  |  |

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| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Other liliaceous vegetables | ● | | 0.05 |  |  |  |  |
| Carrot | ● | | 0.08 |  |  |  |  |
| Parsnip | ● | | 0.08 |  |  |  |  |
| Parsley | ● | | 0.08 |  |  |  |  |
| Celery | ● | | 0.08 |  |  |  |  |
| Mitsuba | ● | | 0.05 |  |  |  |  |
| Other umbelliferous vegetables | ● | | 0.08 |  |  |  |  |
| Tomato | ● | | 0.2 |  |  |  |  |
| Pimiento (sweet pepper) | ● | | 0.08 |  |  |  |  |
| Egg plant | ● | | 0.08 |  |  |  |  |
| Other solanaceous vegetables | ● | | 0.08 |  |  |  |  |
| Cucumber (including gherkin) | ● | | 0.08 |  |  |  |  |
| Pumpkin (including squash) | ● | | 0.08 |  |  |  |  |
| Oriental pickling melon (vegetable) | ● | | 0.08 |  |  |  |  |
| Water melon | ● | | 0.08 |  |  |  |  |
| Melons | ● | | 0.08 |  |  |  |  |
| Makuwauri melon | ● | | 0.08 |  |  |  |  |
| Other cucurbitaceous vegetables | ● | | 0.08 |  |  |  |  |
| Spinach | ● | | 0.08 |  |  |  |  |
| Bamboo shoots | ● | | 0.05 |  |  |  |  |
| Okra | ● | | 0.05 |  |  |  |  |
| Ginger | ● | | 0.05 |  |  |  |  |
| Peas, immature (with pods) | ● | | 0.05 |  |  |  |  |
| Kidney beans, immature (with pods) | ● | | 0.05 |  |  |  |  |
| Green soybeans | ● | | 0.05 |  |  |  |  |
| Button mushroom | ● | | 0.05 |  |  |  |  |
| Shiitake mushroom | ● | | 0.05 |  |  |  |  |
| Other mushrooms | ● | | 0.05 |  |  |  |  |
| Other vegetables | ● | | 0.07 |  |  |  |  |
| Unshu orange, pulp | ● | | 0.01 |  |  |  |  |
| Citrus natsudaidai, whole | ● | 1 | 2 |  | 1 |  |  |
| Lemon | ○ | 3 | 2 |  | 1 | 3 | USA |
| Orange (including navel orange) | ● | 1 | 2 |  | 1 |  |  |
| Grapefruit | ● | 1 | 2 |  | 1 |  |  |
| Lime | ● | 1 | 2 |  | 1 |  |  |
| Other citrus fruits | ● | 1 | 2 |  | 1 |  |  |
| Apple | ○ | 0.05 | 0.01 |  | 0.01 | 0.05 | USA |
| Japanese pear | ○ | 0.01 | 0.01 |  | 0.01 |  |  |
| Pear | ○ | 0.05 | 0.01 |  | 0.01 | 0.05 | USA |
| Quince | ○ | 0.01 | 0.01 |  | 0.01 |  |  |
| Loquat | ● | | 0.01 |  |  |  |  |
| Peach | ● | 0.05 | 0.2 |  |  | 0.05 | USA |
| Nectarine | ● | 0.05 | 0.2 |  | 0.05 |  |  |
| Apricot | ● | 0.05 | 5 |  | 0.05 |  |  |
| Japanese plum (including prune) | ● | 0.05 | 0.2 |  | 0.05 |  |  |
| Mume plum | ● | 0.05 | 0.2 |  | 0.05 |  |  |
| Cherry | ● | 0.05 | 0.2 |  | 0.05 |  |  |
| Strawberry | ○ | 0.1 | 0.05 |  | 0.1 |  |  |
| Raspberry | ○ | 0.2 | 0.1 |  | 0.1 | 0.2 | USA |
| Blackberry | ○ | 0.2 | 0.1 |  | 0.1 | 0.2 | USA |
| Blueberry | ○ | 0.2 | 0.1 |  | 0.1 | 0.2 | USA |

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| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Cranberry | ○ | 0.5 | 0.5 |  | 0.1 | 0.5 | USA |
| Huckleberry | ○ | 0.2 | 0.1 |  | 0.1 | 0.2 | USA |
| Other berries | ○ | 0.2 | 0.1 |  | 0.1 | 0.2 | USA |
| Grape | ● | 0.1 | 0.5 |  | 0.1 |  |  |
| Japanese persimmon | ● | | 0.05 |  |  |  |  |
| Banana | ● | | 0.05 |  |  |  |  |
| Kiwifruit | ● | | 0.05 |  |  |  |  |
| Papaya | ● | | 0.05 |  |  |  |  |
| Avocado | ● | | 0.08 |  |  |  |  |
| Pineapple | ● | | 0.05 |  |  |  |  |
| Guava | ● | | 0.05 |  |  |  |  |
| Mango | ● | | 0.05 |  |  |  |  |
| Passion fruit | ● | | 0.05 |  |  |  |  |
| Date | ● | | 0.05 |  |  |  |  |
| Other fruits | ● | | 0.2 |  |  |  |  |
| Sunflower seeds | ● | | 0.05 |  |  |  |  |
| Sesame seeds | ● | | 0.05 |  |  |  |  |
| Safflower seeds | ● | | 0.05 |  |  |  |  |
| Cotton seeds | ○ | 0.08 | 0.05 | IT |  | 0.08 | USA |
| Rapeseeds | ● | | 0.05 |  |  |  |  |
| Other oil seeds | ● | | 0.05 |  |  |  |  |
| Ginkgo nut | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Chestnut | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Pecan | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Almond | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Walnut | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Other nuts | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Hop | ○ | 0.2 | 0.08 |  |  | 0.2 | USA |
| Other spices | ● | 1 | 2 |  | 1 |  |  |
| Other herbs | ● | | 0.08 |  |  |  |  |
| 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 | ○ | 0.4 | 0.2 |  |  |  |  |
| Pig, fat | ○ | 0.4 | 0.1 |  |  |  |  |
| Other terrestrial mammals, fat | ○ | 0.4 | 0.2 |  |  |  |  |
| Cattle, liver | ○ | 5 | 5 |  | 5 |  |  |
| Pig, liver | ○ | 5 | 5 |  | 5 |  |  |
| Other terrestrial mammals, liver | ○ | 5 | 5 |  | 5 |  |  |
| Cattle, kidney | ○ | 5 | 5 |  | 5 |  |  |
| Pig, kidney | ○ | 5 | 5 |  | 5 |  |  |
| Other terrestrial mammals, kidney | ○ | 5 | 5 |  | 5 |  |  |
| Cattle, edible offal | ○ | 5 | 5 |  | 5 |  |  |
| Pig, edible offal | ○ | 5 | 5 |  | 5 |  |  |
| Other terrestrial mammals, edible offal | ○ | 5 | 5 |  | 5 |  |  |
| Milk | ○ | 0.03 | 0.01 |  | 0.01 |  |  |
| Chicken, muscle | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Other poultry, muscle | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Chicken, fat | ○ | 0.05 | 0.05 |  |  |  |  |
| Other poultry, fat | ○ | 0.05 | 0.05 |  |  |  |  |
| Chicken, liver | ○ | 0.05 | 0.05 |  | 0.05 |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Other poultry, liver | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Chicken, kidney | ○ | 0.07 | 0.05 |  | 0.05 |  |  |
| Other poultry, kidney | ○ | 0.07 | 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 | 0.01 |  | 0.01 |  |  |
| Other poultry, eggs | ○ | 0.01 | 0.01 |  | 0.01 |  |  |
| Salmoniformes (such as salmon and trout) | ● | | 1 |  |  |  |  |
| Anguilliformes (such as eel) | ● | | 1 |  |  |  |  |
| Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna) | ● | | 1 |  |  |  |  |
| Other fish | ● | | 1 |  |  |  |  |
| Shelled molluscs | ● | | 1 |  |  |  |  |
| Crustaceans | ● | | 1 |  |  |  |  |
| Other aquatic animals | ● | | 1 |  |  |  |  |
| Mineral waters ※ | ○ | 0.03 | 0.03 |  | 0.03 |  |  |

The residue definition is sum of 2,4-D and its salts and esters, expressed as 2,4-D.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and 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.

●：Commodities for which MRLs are to be lowered or deleted.

○：Commodities for which MRLs are to be maintained, increased or newly set.

§：Permitted for use in Japan.

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

※ The Guideline Value of the WHO Drinking Water Quality Guidelines (Guideline Value: In the WHO drinking water quality guideline set for the purpose of maintaining and improving the quality of drinking water by the regulators and water supply service providers of each country in WHO, drinking water. It is a numerical value that is the basis for evaluating water quality and indicates the concentration that does not cause serious risk to the health of the consumer when ingested over the lifetime.)

#### Chlorfluazuron

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Rice (brown rice) | ● | | 0.05 |  |  |  |  |
| Wheat | ● | | 0.05 |  |  |  |  |
| Barley | ● | | 0.05 |  |  |  |  |
| Rye | ● | | 0.05 |  |  |  |  |
| Corn (maize, including pop corn and sweet corn) | ● | | 0.05 |  |  |  |  |
| Buckwheat | ● | | 0.05 |  |  |  |  |
| Other cereal grains | ● | | 0.05 |  |  |  |  |
| Soybeans, dry | ● | 0.2 | 1.0 | § |  |  |  |
| Beans, dry | ● | | 1.0 |  |  |  |  |
| Peas | ● | | 1.0 |  |  |  |  |
| Broad beans | ● | | 1.0 |  |  |  |  |
| Peanuts, dry | ● | | 1.0 |  |  |  |  |
| Other pulses | ● | | 1.0 |  |  |  |  |
| Potato | ● | | 0.1 |  |  |  |  |
| Taro | ● | | 0.1 |  |  |  |  |
| Sweet potato | ● | 0.05 | 0.1 | § |  |  |  |
| Yam | ● | 0.05 | 0.1 | § |  |  |  |
| Konjac | ● | | 0.1 |  |  |  |  |
| Other potatoes | ● | | 0.1 |  |  |  |  |
| Sugar beet | ○ | 0.2 | 0.2 | § |  |  |  |
| Sugarcane | ● | | 0.05 |  |  |  |  |
| Japanese radish, roots (including radish) | ● | 0.03 | 2.0 | § |  |  |  |
| Japanese radish, leaves (including radish) | ● | 0.7 | 2.0 | § |  |  |  |
| Turnip, roots (including rutabaga) | ● | | 2.0 |  |  |  |  |
| Turnip, leaves (including rutabaga) | ● | | 2.0 |  |  |  |  |
| Horseradish | ● | | 2.0 |  |  |  |  |
| Watercress | ● | | 2.0 |  |  |  |  |
| Chinese cabbage | ● | 0.3 | 2.0 | § |  |  |  |
| Cabbage | ● | 0.1 | 2.0 | § |  |  |  |
| Brussels sprouts | ● | | 2.0 |  |  |  |  |
| Kale | ● | | 2.0 |  |  |  |  |
| Komatsuna(Japanese mustard spinach) | ● | | 2.0 |  |  |  |  |
| Kyona | ● | | 2.0 |  |  |  |  |
| Qing-geng-cai | ● | | 2.0 |  |  |  |  |
| Cauliflower | ● | 0.3 | 2.0 | § |  |  |  |
| Broccoli | ● | 0.2 | 2.0 | § |  |  |  |
| Other cruciferous vegetables | ● | | 2.0 |  |  |  |  |
| Burdock | ● | | 2.0 |  |  |  |  |
| Salsify | ● | | 2.0 |  |  |  |  |
| Artichoke | ● | | 2.0 |  |  |  |  |
| Chicory | ● | | 2.0 |  |  |  |  |
| Endive | ● | | 2.0 |  |  |  |  |
| Shungiku | ● | | 2.0 |  |  |  |  |
| Lettuce (including cos lettuce and leaf lettuce) | ○ | 2 | 2.0 | § |  |  |  |
| Other composite vegetables | ● | 1 | 2.0 | § |  |  |  |
| Onion | ● | | 2.0 |  |  |  |  |
| Welsh (including leek) | ● | 0.5 | 2.0 | § |  |  |  |
| Garlic | ● | | 2.0 |  |  |  |  |
| Nira | ● | | 2.0 |  |  |  |  |
| Asparagus | ● | | 2.0 |  |  |  |  |
| Multiplying onion (including shallot) | ● | 0.3 | 2.0 | § |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Other liliaceous vegetables | ● | | 2.0 |  |  |  |  |
| Carrot | ● | | 2.0 |  |  |  |  |
| Parsnip | ● | | 2.0 |  |  |  |  |
| Parsley | ● | | 2.0 |  |  |  |  |
| Celery | ● | | 2.0 |  |  |  |  |
| Mitsuba | ● | | 2.0 |  |  |  |  |
| Other umbelliferous vegetables | ● | | 2.0 |  |  |  |  |
| Tomato | ● | 1 | 2.0 | § |  |  |  |
| Pimiento (sweet pepper) | ● | 1 | 2.0 | § |  |  |  |
| Egg plant | ● | 0.5 | 2.0 | § |  |  |  |
| Other solanaceous vegetables | ○ | 2 | 2.0 | § |  |  |  |
| Cucumber (including gherkin) | ● | | 2.0 |  |  |  |  |
| Pumpkin (including squash) | ● | | 2.0 |  |  |  |  |
| Oriental pickling melon (vegetable) | ● | | 2.0 |  |  |  |  |
| Water melon | ● | 0.05 | 2.0 | § |  |  |  |
| Melons | ● | 0.05 | 2.0 | § |  |  |  |
| Makuwauri melon | ● | | 2.0 |  |  |  |  |
| Other cucurbitaceous vegetables | ● | | 2.0 |  |  |  |  |
| Spinach | ● | | 2.0 |  |  |  |  |
| Bamboo shoots | ● | | 2.0 |  |  |  |  |
| Okra | ● | 0.5 | 2.0 | § |  |  |  |
| Ginger | ● | | 2.0 |  |  |  |  |
| Peas, immature (with pods) | ● | 0.7 | 2.0 | § |  |  |  |
| Kidney beans, immature (with pods) | ○ | 2 | 2.0 | § |  |  |  |
| Green soybeans | ● | 1 | 2.0 | § |  |  |  |
| Button mushroom | ● | | 2.0 |  |  |  |  |
| Shiitake mushroom | ● | | 2.0 |  |  |  |  |
| Other mushrooms | ● | | 2.0 |  |  |  |  |
| Other vegetables | ○ | 2 | 2.0 | § |  |  |  |
| Unshu orange, pulp | ● | | 2.0 |  |  |  |  |
| Citrus natsudaidai, whole | ● | | 2.0 |  |  |  |  |
| Lemon | ● | | 2.0 |  |  |  |  |
| Orange (including navel orange) | ● | | 2.0 |  |  |  |  |
| Grapefruit | ● | | 2.0 |  |  |  |  |
| Lime | ● | | 2.0 |  |  |  |  |
| Other citrus fruits | ● | | 2.0 |  |  |  |  |
| Apple | ○ | 2 | 2.0 | § |  |  |  |
| Japanese pear | ● | 0.8 | 2.0 | § |  |  |  |
| Pear | ● | 0.8 | 2.0 | § |  |  |  |
| Quince | ● | | 2.0 |  |  |  |  |
| Loquat | ● | | 2.0 |  |  |  |  |
| Peach | ● | 0.05 | 2.0 | § |  |  |  |
| Nectarine | ● | | 2.0 |  |  |  |  |
| Apricot | ● | | 2.0 |  |  |  |  |
| Japanese plum (including prune) | ● | | 2.0 |  |  |  |  |
| Mume plum | ● | | 2.0 |  |  |  |  |
| Cherry | ● | 0.5 | 2.0 | § |  |  |  |
| Strawberry | ● | 0.5 | 2.0 | § |  |  |  |
| Raspberry | ● | | 2.0 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Blackberry | ● | | 2.0 |  |  |  |  |
| Blueberry | ● | | 2.0 |  |  |  |  |
| Cranberry | ● | | 2.0 |  |  |  |  |
| Huckleberry | ● | | 2.0 |  |  |  |  |
| Other berries | ● | | 2.0 |  |  |  |  |
| Grape | ● | 1 | 2.0 | § |  |  |  |
| Japanese persimmon | ● | 0.5 | 2.0 | § |  |  |  |
| Banana | ● | | 2.0 |  |  |  |  |
| Kiwifruit | ● | | 2.0 |  |  |  |  |
| Papaya | ● | | 2.0 |  |  |  |  |
| Avocado | ● | | 2.0 |  |  |  |  |
| Pineapple | ● | | 2.0 |  |  |  |  |
| Guava | ● | | 2.0 |  |  |  |  |
| Mango | ● | | 2.0 |  |  |  |  |
| Passion fruit | ● | | 2.0 |  |  |  |  |
| Date | ● | | 2.0 |  |  |  |  |
| Other fruits | ● | | 2.0 |  |  |  |  |
| Sunflower seeds | ● | | 2.0 |  |  |  |  |
| Sesame seeds | ● | | 2.0 |  |  |  |  |
| Safflower seeds | ● | | 2.0 |  |  |  |  |
| Cotton seeds | ● | | 2.0 |  |  |  |  |
| Rapeseeds | ● | | 2.0 |  |  |  |  |
| Other oil seeds | ● | | 2.0 |  |  |  |  |
| Ginkgo nut | ● | | 2.0 |  |  |  |  |
| Chestnut | ● | | 2.0 |  |  |  |  |
| Pecan | ● | | 2.0 |  |  |  |  |
| Almond | ● | | 2.0 |  |  |  |  |
| Walnut | ● | | 2.0 |  |  |  |  |
| Other nuts | ● | | 2.0 |  |  |  |  |
| Tea | ○ | 10 | 10 | § |  |  |  |
| Coffee beans | ● | | 0.05 |  |  |  |  |
| Cacao beans | ● | | 0.05 |  |  |  |  |
| Hop | ● | | 0.05 |  |  |  |  |
| Other spices | ● | | 2 |  |  |  |  |
| Other herbs | ○ | 2 | 2 | § |  |  |  |
| Cattle, muscle | ● | 0.02 | 0.1 |  |  |  |  |
| Pig, muscle | ○ | 0.02 |  |  |  |  |  |
| Other terrestrial mammals, muscle | ○ | 0.02 |  |  |  |  |  |
| Cattle, fat | ● | 0.4 | 1 |  |  |  |  |
| Pig, fat | ○ | 0.4 |  |  |  |  |  |
| Other terrestrial mammals, fat | ○ | 0.4 |  |  |  |  |  |
| Cattle, liver | ● | 0.03 | 0.1 |  |  |  |  |
| Pig, liver | ○ | 0.03 |  |  |  |  |  |
| Other terrestrial mammals, liver | ○ | 0.03 |  |  |  |  |  |
| Cattle, kidney | ● | 0.02 | 0.1 |  |  |  |  |
| Pig, kidney | ○ | 0.02 |  |  |  |  |  |
| Other terrestrial mammals, kidney | ○ | 0.02 |  |  |  |  |  |
| Cattle, edible offal | ● | 0.03 | 0.1 |  |  |  |  |
| Pig, edible offal | ○ | 0.03 |  |  |  |  |  |
| Other terrestrial mammals, edible offal | ○ | 0.03 |  |  |  |  |  |
| Milk | ● | 0.03 | 0.1 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Chicken, muscle | ● | 0.02 | 0.1 |  |  |  |  |
| Other poultry, muscle | ● | 0.02 | 0.1 |  |  |  |  |
| Chicken, fat | ● | 0.2 | 1 |  |  |  |  |
| Other poultry, fat | ● | 0.2 | 1 |  |  |  |  |
| Chicken, liver | ● | 0.02 | 0.1 |  |  |  |  |
| Other poultry, liver | ● | 0.02 | 0.1 |  |  |  |  |
| Chicken, kidney | ● | 0.02 | 0.1 |  |  |  |  |
| Other poultry, kidney | ● | 0.02 | 0.1 |  |  |  |  |
| Chicken, edible offal | ● | 0.02 | 0.1 |  |  |  |  |
| Other poultry, edible offal | ● | 0.02 | 0.1 |  |  |  |  |
| Chicken eggs | ● | 0.02 | 0.2 |  |  |  |  |
| Other poultry, eggs | ● | 0.02 | 0.2 |  |  |  |  |

The residue definition is chlorfluazuron only.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and 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.

●：Commodities for which MRLs are to be lowered or deleted.

○：Commodities for which MRLs are to be maintained, increased or newly set.

§：Permitted for use in Japan.

#### Chlormequat

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Rice (brown rice) | ● | | 0.05 |  |  |  |  |
| Wheat | ○ | 10 | 5 | §・Request | 2 |  |  |
| Barley ※1 | ○ | 3 | 0.5 |  | 2 |  |  |
| Rye ※1 | ○ | 8 | 5 |  | 6 |  |  |
| Corn (maize, including pop corn and sweet corn) | ● | | 0.05 |  |  |  |  |
| Buckwheat | ● | | 0.05 |  |  |  |  |
| Other cereal grains ※1 | ● | 6 | 10 |  | 5 |  |  |
| Soybeans, dry | ● | | 0.1 |  |  |  |  |
| Beans, dry | ● | | 0.05 |  |  |  |  |
| Peas | ● | | 0.05 |  |  |  |  |
| Broad beans | ● | | 0.05 |  |  |  |  |
| Peanuts, dry | ● | | 0.1 |  |  |  |  |
| Other pulses | ● | | 0.05 |  |  |  |  |
| Potato | ● | | 10 |  |  |  |  |
| Taro | ● | | 0.05 |  |  |  |  |
| Sweet potato | ● | | 0.05 |  |  |  |  |
| Yam | ● | | 0.05 |  |  |  |  |
| Konjac | ● | | 0.05 |  |  |  |  |
| Other potatoes | ● | | 0.05 |  |  |  |  |
| Sugar beet | ● | | 0.05 |  |  |  |  |
| Japanese radish, roots (including radish) | ● | | 0.05 |  |  |  |  |
| Japanese radish, leaves (including radish) | ● | | 0.05 |  |  |  |  |
| Turnip, roots (including rutabaga) | ● | | 0.05 |  |  |  |  |
| Turnip, leaves (including rutabaga) | ● | | 0.05 |  |  |  |  |
| Horseradish | ● | | 0.05 |  |  |  |  |
| Watercress | ● | | 0.05 |  |  |  |  |
| Chinese cabbage | ● | | 0.05 |  |  |  |  |
| Cabbage | ● | | 0.05 |  |  |  |  |
| Brussels sprouts | ● | | 0.05 |  |  |  |  |
| Kale | ● | | 0.05 |  |  |  |  |
| Komatsuna(Japanese mustard spinach) | ● | | 0.05 |  |  |  |  |
| Kyona | ● | | 0.05 |  |  |  |  |
| Qing-geng-cai | ● | | 0.05 |  |  |  |  |
| Cauliflower | ● | | 0.05 |  |  |  |  |
| Broccoli | ● | | 0.05 |  |  |  |  |
| Other cruciferous vegetables | ● | | 3 |  |  |  |  |
| Burdock | ● | | 0.05 |  |  |  |  |
| Salsify | ● | | 0.05 |  |  |  |  |
| Artichoke | ● | | 0.05 |  |  |  |  |
| Chicory | ● | | 0.05 |  |  |  |  |
| Endive | ● | | 0.05 |  |  |  |  |
| Shungiku | ● | | 0.05 |  |  |  |  |
| Lettuce (including cos lettuce and leaf lettuce) | ● | | 0.05 |  |  |  |  |
| Other composite vegetables | ● | | 0.05 |  |  |  |  |
| Onion | ● | | 0.05 |  |  |  |  |
| Welsh (including leek) | ● | | 0.05 |  |  |  |  |
| Garlic | ● | | 0.05 |  |  |  |  |
| Nira | ● | | 0.05 |  |  |  |  |
| Asparagus | ● | | 0.05 |  |  |  |  |
| Multiplying onion (including shallot) | ● | | 0.05 |  |  |  |  |
| Other liliaceous vegetables | ● | | 0.05 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Carrot | ● | 0.05 |  |  |  |  |
| Parsnip | ● | 0.05 |  |  |  |  |
| Parsley | ● | 0.05 |  |  |  |  |
| Celery | ● | 0.05 |  |  |  |  |
| Mitsuba | ● | 0.05 |  |  |  |  |
| Other umbelliferous vegetables | ● | 0.05 |  |  |  |  |
| Tomato | ● | 0.05 |  |  |  |  |
| Pimiento (sweet pepper) | ● | 0.05 |  |  |  |  |
| Egg plant | ● | 0.05 |  |  |  |  |
| Other solanaceous vegetables | ● | 0.05 |  |  |  |  |
| Cucumber (including gherkin) | ● | 0.05 |  |  |  |  |
| Pumpkin (including squash) | ● | 0.05 |  |  |  |  |
| Oriental pickling melon (vegetable) | ● | 0.05 |  |  |  |  |
| Water melon | ● | 0.05 |  |  |  |  |
| Melons | ● | 0.05 |  |  |  |  |
| Makuwauri melon | ● | 0.05 |  |  |  |  |
| Other cucurbitaceous vegetables | ● | 0.05 |  |  |  |  |
| Spinach | ● | 0.05 |  |  |  |  |
| Bamboo shoots | ● | 0.05 |  |  |  |  |
| Okra | ● | 0.05 |  |  |  |  |
| Ginger | ● | 0.05 |  |  |  |  |
| Peas, immature (with pods) | ● | 0.05 |  |  |  |  |
| Kidney beans, immature (with pods) | ● | 0.05 |  |  |  |  |
| Green soybeans | ● | 0.05 |  |  |  |  |
| Button mushroom | ● | 10 |  |  |  |  |
| Shiitake mushroom | ● | 10 |  |  |  |  |
| Other mushrooms | ● | 10 |  |  |  |  |
| Other vegetables | ● | 0.05 |  |  |  |  |
| Unshu orange, pulp | ● | 0.05 |  |  |  |  |
| Citrus natsudaidai, whole | ● | 0.05 |  |  |  |  |
| Lemon | ● | 0.05 |  |  |  |  |
| Orange (including navel orange) | ● | 0.05 |  |  |  |  |
| Grapefruit | ● | 0.05 |  |  |  |  |
| Lime | ● | 0.05 |  |  |  |  |
| Other citrus fruits | ● | 0.05 |  |  |  |  |
| Apple | ● | 0.05 |  |  |  |  |
| Japanese pear | ● | 3 |  |  |  |  |
| Pear ※2 | ● 0.07 | 3 |  |  | 0.07 | EU |
| Quince | ● | 0.05 |  |  |  |  |
| Loquat | ● | 0.05 |  |  |  |  |
| Peach | ● | 0.05 |  |  |  |  |
| Nectarine | ● | 0.05 |  |  |  |  |
| Apricot | ● | 0.05 |  |  |  |  |
| Japanese plum (including prune) | ● | 0.05 |  |  |  |  |
| Mume plum | ● | 0.05 |  |  |  |  |
| Cherry | ● | 0.05 |  |  |  |  |
| Strawberry | ● | 0.05 |  |  |  |  |
| Raspberry | ● | 0.05 |  |  |  |  |
| Blackberry | ● | 0.05 |  |  |  |  |
| Blueberry | ● | 0.05 |  |  |  |  |
| Cranberry | ● | 0.05 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Huckleberry | ● | 0.05 |  |  |  |  |
| Other berries | ● | 0.05 |  |  |  |  |
| Grape ※1 | ● 0.05 | 1 |  | 0.04 |  |  |
| Japanese persimmon | ● | 0.05 |  |  |  |  |
| Banana | ● | 0.05 |  |  |  |  |
| Kiwifruit | ● | 0.05 |  |  |  |  |
| Avocado | ● | 0.05 |  |  |  |  |
| Pineapple | ● | 0.05 |  |  |  |  |
| Guava | ● | 0.05 |  |  |  |  |
| Mango | ● | 0.05 |  |  |  |  |
| Passion fruit | ● | 0.05 |  |  |  |  |
| Date | ● | 2 |  |  |  |  |
| Other fruits | ● | 0.1 |  |  |  |  |
| Sunflower seeds | ● | 0.1 |  |  |  |  |
| Sesame seeds | ● | 0.1 |  |  |  |  |
| Safflower seeds | ● | 0.1 |  |  |  |  |
| Cotton seeds ※1 | ○ 0.6 | 0.5 |  | 0.5 |  |  |
| Rapeseeds | ● | 5 |  |  |  |  |
| Other oil seeds | ● | 0.1 |  |  |  |  |
| Ginkgo nut | ● | 0.1 |  |  |  |  |
| Chestnut | ● | 0.1 |  |  |  |  |
| Pecan | ● | 0.1 |  |  |  |  |
| Almond | ● | 0.1 |  |  |  |  |
| Walnut | ● | 0.1 |  |  |  |  |
| Other nuts | ● | 0.1 |  |  |  |  |
| Tea | ● | 0.1 |  |  |  |  |
| Hop | ● | 0.1 |  |  |  |  |
| Other spices | ● | 0.1 |  |  |  |  |
| Other herbs | ● | 3 |  |  |  |  |
| Cattle, muscle ※1 | ○ 0.3 | 0.2 |  | 0.2 |  |  |
| Pig, muscle ※1 | ○ 0.3 | 0.2 |  | 0.2 |  |  |
| Other terrestrial mammals, muscle ※1 | ○ 0.3 | 0.2 |  | 0.2 |  |  |
| Cattle, fat ※1 | ● 0.1 | 0.2 |  | 0.1 |  |  |
| Pig, fat ※1 | ○ 0.1 | 0.05 |  | 0.1 |  |  |
| Other terrestrial mammals, fat ※1 | ● 0.1 | 0.2 |  | 0.1 |  |  |
| Cattle, liver ※1 | ○ 1 | 0.1 |  | 1 |  |  |
| Pig, liver ※1 | ○ 1 | 0.1 |  | 1 |  |  |
| Other terrestrial mammals, liver ※1 | ○ 1 | 0.1 |  | 1 |  |  |
| Cattle, kidney ※1 | ○ 1 | 0.5 |  | 1 |  |  |
| Pig, kidney ※1 | ○ 1 | 0.5 |  | 1 |  |  |
| Other terrestrial mammals, kidney ※1 | ○ 1 | 0.5 |  | 1 |  |  |
| Cattle, edible offal ※1 | ○ 1 | 0.3 |  | 1 |  |  |
| Pig, edible offal ※1 | ○ 1 | 0.3 |  | 1 |  |  |
| Other terrestrial mammals, edible offal ※1 | ○ 1 | 0.3 |  | 1 |  |  |
| Milk ※1 | ● 0.4 | 0.5 |  | 0.3 |  |  |
| Chicken, muscle ※1 | ○ 0.05 | 0.04 |  | 0.04 |  |  |
| Other poultry, muscle ※1 | ○ 0.05 | 0.04 |  | 0.04 |  |  |
| Chicken, fat ※1 | ○ 0.05 | 0.05 |  | 0.04 |  |  |
| Other poultry, fat ※1 | ○ 0.05 | 0.05 |  | 0.04 |  |  |
| Chicken, liver ※1 | ○ 0.1 | 0.1 |  | 0.1 |  |  |
| Other poultry, liver ※1 | ○ 0.1 | 0.1 |  | 0.1 |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Chicken, kidney ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Other poultry, kidney ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Chicken, edible offal ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Other poultry, edible offal ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Chicken eggs ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Other poultry, eggs ※1 | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Wheat flour (limited to whole grain) ※3 | ● | | 5 |  |  |  |  |
| Wheat flour (except whole grain) ※3 | ● | | 2 |  |  |  |  |
| Wheat bran ※4 | ● | | 10 |  | 7 |  |  |
| Rye flour (limited to whole grain) ※4 | ● | | 4 |  | 8 |  |  |
| Rye flour (except whole grain) ※5 | ● | | 3 |  |  |  |  |
| Rye bran ※1 | ○ | 26 | 10 |  | 20 |  |  |
| oil and rapeseed salad oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)  ※6 | ● | | 0.1 |  |  |  |  |

The residue definition is chlormequat chloride only.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and to commodities not listed above.
* Shaded figures indicate provisional MRLs.
* Diagonal line means deletion of a food category to which an MRL applies.
* 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 or deleted.

○：Commodities for which MRLs are to be maintained, increased or newly set.

§：Permitted for use in Japan.

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

※1 The residue definition is chlormequat cation in Codex, and chlormequat chloride in Japan. Regarding food citing Codex, MRL are set by multiplying Codex by a conversion factor of 1.29 in order to take into account differences in residue definition .

※2 In the EU, MRL of pear (0.07 ppm) is set from monitoring data. Among the total of 1077 monitoring data conducted between 2004 and 2014, the maximum residue as chlormequat chloride concentration was 1.9 ppm, the average residue was 0.048 ppm, and the minimum residue was <0.005 ppm. Based on the results of these monitoring data, the EU sets a MRL (0.07 ppm) from the residue of 0.065 ppm corresponding to the 95.0 th percentile of the analytical result considered to be scientifically valid.

※3 Food categories “Wheat flour (limited to whole grain)”, “Wheat flour (except whole grain)” will be deleted, hereafter, MRLs in their raw commodities (i.e. wheat) will also apply to such processed commodities, taking into account their processing factors.

※4 Food categories “Wheat bran” and “Rye flour (limited to whole grain)” will be deleted, and hereafter, MRLs in their raw commodities (i.e. wheat, rye) will also apply to such processed commodities, taking into account their processing factors. For this substance, JMPR estimated processing factors of 3.0 for Wheat bran and 1.3 for Rye flour (limited to whole grain).

※5 Food categories “Rye flour (except whole grain)” will be deleted, hereafter, MRLs in their raw commodities (i.e. rye) will also apply to such processed commodities, taking into account their processing factors.

※6 Food categories “Rapeseed oils, crude (except refined rapeseed oil and rapeseed salad oil that meet the JAS for Edible Vegetable Fats and Oils, and other edible oils that meet standards equivalent to or stricter than JAS)” will be deleted, hereafter, MRLs in their raw commodities (i.e. rapeseed) will also apply to such processed commodities, taking into account their processing factors.

#### Picoxystrobin

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Wheat | ○ | 0.04 | 0.04 |  | 0.04 |  |  |
| Barley | ○ | 0.3 | 0.3 |  | 0.3 |  |  |
| Rye | ○ | 0.04 | 0.04 |  | 0.04 |  |  |
| Corn (maize, including pop corn and sweet corn) | ○ | 0.04 | 0.04 |  | 0.02 | 0.04 | USA |
| Buckwheat | ○ | 0.04 | 0.04 |  |  | 0.04 | USA |
| Other cereal grains | ○ | 0.3 | 0.04 |  | 0.3 |  |  |
| Soybeans, dry | ○ | 0.06 | 0.05 |  | 0.06 |  |  |
| Beans, dry | ○ | 0.06 | 0.06 |  | 0.06 |  |  |
| Peas | ○ | 0.06 | 0.06 |  | 0.06 |  |  |
| Broad beans | ○ | 0.06 | 0.06 |  | 0.06 |  |  |
| Other pulses | ○ | 0.06 | 0.06 |  | 0.06 |  |  |
| Yam | ○ | 0.05 |  | Request |  |  |  |
| Japanese radish, roots (including radish) | ○ | 0.1 |  | Request |  |  |  |
| Japanese radish, leaves (including radish) | ○ | 15 |  | Request |  |  |  |
| Turnip, roots (including rutabaga) | ○ | 0.5 |  | Request |  |  |  |
| Turnip, leaves (including rutabaga) | ○ | 40 |  | Request |  |  |  |
| Chinese cabbage | ○ | 2 | 2 | § |  |  |  |
| Cabbage | ○ | 1 | 1 | § |  |  |  |
| Broccoli | ○ | 5 |  | Request |  |  |  |
| Lettuce (including cos lettuce and leaf lettuce) | ○ | 15 | 15 | § |  |  |  |
| Onion | ○ | 0.05 | 0.05 | § |  |  |  |
| Welsh (including leek) | ○ | 2 | 2 | § |  |  |  |
| Garlic | ○ | 0.05 |  | Request |  |  |  |
| Nira | ○ | 15 |  | Request |  |  |  |
| Asparagus | ○ | 0.3 |  | Request |  |  |  |
| Carrot | ○ | 0.5 |  | Request |  |  |  |
| Other vegetables | ○ | 0.08 | 0.08 |  |  | 0.08 | USA |
| Unshu orange, pulp | ○ | 0.1 | 0.1 | § |  |  |  |
| 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 | § |  |  |  |
| Apple | ○ | 2 | 2 | § |  |  |  |
| Japanese pear | ○ | 1 | 1 | § |  |  |  |
| Pear | ○ | 1 | 1 | § |  |  |  |
| Peach | ○ | 0.3 | 0.3 | § |  |  |  |
| Cherry | ○ | 5 | 5 | § |  |  |  |
| Sesame seeds | ○ | 0.08 | 0.08 |  |  | 0.08 | USA |
| Rapeseeds | ○ | 0.08 | 0.08 |  |  | 0.08 | USA |
| Other oil seeds | ○ | 0.08 | 0.08 |  |  | 0.08 | USA |
| Other spices | ○ | 10 | 10 | § |  |  |  |
| Cattle, muscle | ○ | 0.02 |  |  | 0.02 |  |  |
| Pig, muscle | ○ | 0.02 |  |  | 0.02 |  |  |
| Other terrestrial mammals, muscle | ○ | 0.02 |  |  | 0.02 |  |  |
| Cattle, fat | ○ | 0.02 |  |  | 0.02 |  |  |
| Pig, fat | ○ | 0.02 |  |  | 0.02 |  |  |
| Other terrestrial mammals, fat | ○ | 0.02 |  |  | 0.02 |  |  |
| Cattle, liver | ○ | 0.02 |  |  | 0.02 |  |  |
| Pig, liver | ○ | 0.02 |  |  | 0.02 |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Other terrestrial mammals, liver | ○ | 0.02 |  |  | 0.02 |  |  |
| Cattle, kidney | ○ | 0.02 |  |  | 0.02 |  |  |
| Pig, kidney | ○ | 0.02 |  |  | 0.02 |  |  |
| Other terrestrial mammals, kidney | ○ | 0.02 |  |  | 0.02 |  |  |
| Cattle, edible offal | ○ | 0.02 |  |  | 0.02 |  |  |
| Pig, edible offal | ○ | 0.02 |  |  | 0.02 |  |  |
| Other terrestrial mammals, edible offal | ○ | 0.02 |  |  | 0.02 |  |  |
| 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 |  |  |
| Wheat germ | ○ | 0.2 |  |  | 0.15 |  |  |
| Wheat bran | ○ | 0.2 |  |  | 0.15 |  |  |
| Corn oil ※ | ○ | |  |  | 0.15 |  |  |
| Soybean oil | ○ | 0.2 |  |  | 0.2 |  |  |

The residue definition is picoxystrobin only.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and to commodities not listed above.
* Diagonal line means deletion of a food category to which an MRL applies.
* 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 maintained, increased or newly set.

§：Permitted for use in Japan.

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

※ Food categories “Corn oil” will be deleted, and hereafter, MRLs in their raw commodities (i.e. corn) will also apply to such processed commodities, taking into account their processing factors. For this substance, JMPR estimated processing factor of 6.9 for corn oil.

#### Pyribencarb

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National 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) | ○ | 20 | 20 | § |  |  |  |
| Onion | ○ | 0.1 | 0.1 | § |  |  |  |
| Welsh (including leek) | ○ | 2 | 2 | § |  |  |  |
| Nira | ○ | 10 | 10 | § |  |  |  |
| Asparagus | ○ | 0.5 | 0.5 | § |  |  |  |
| Carrot | ○ | 0.7 | 0.7 | § |  |  |  |
| Tomato | ○ | 3 | 3 | § |  |  |  |
| Pimiento (sweet pepper) | ○ | 2 |  | Request |  |  |  |
| Egg plant | ○ | 2 | 2 | § |  |  |  |
| Cucumber (including gherkin) | ○ | 1 | 1 | § |  |  |  |
| Water melon | ○ | 0.2 | 0.2 | § |  |  |  |
| Melons | ○ | 0.1 | 0.1 | § |  |  |  |
| 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 | 0.3 | § |  |  |  |
| 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 | 0.5 | § |  |  |  |
| Nectarine | ○ | 2 | 2 | § |  |  |  |
| Apricot | ○ | 2 | 2 | § |  |  |  |
| Japanese plum (including prune) | ○ | 5 | 5 | § |  |  |  |
| Mume plum | ○ | 5 | 5 | § |  |  |  |
| Cherry | ○ | 10 | 10 | § |  |  |  |
| Strawberry | ○ | 5 | 5 | § |  |  |  |
| Grape | ○ | 2 | 2 | § |  |  |  |
| 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 agricultural products 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 pribencarb. For aquatic products, pyribencarb only.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and 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 maintained, increased or newly set.

§：Permitted for use in Japan.

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

#### Metalaxyl and Metalaxyl-M

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Rice (brown rice) | ○ | 0.1 | 0.1 | § |  |  |  |
| Wheat | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Barley | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Rye | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Corn (maize, including pop corn and sweet corn) | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Buckwheat | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Other cereal grains | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Soybeans, dry | ○ | 0.05 | 0.05 | § | 0.05 |  |  |
| Beans, dry | ○ | 0.2 | 0.2 | § |  |  |  |
| Peas | ○ | 0.2 | 0.2 |  |  |  |  |
| Peanuts, dry | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Other pulses | ○ | 0.2 | 0.2 |  |  |  |  |
| Potato | ○ | 0.3 | 0.3 | § | 0.05 |  |  |
| Yam | ○ | 0.4 | 0.4 |  |  | 0.5\* | USA |
| Konjac | ○ | 0.3 | 0.3 | § |  |  |  |
| Sugar beet | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Sugarcane | ○ | 0.05 | 0.05 | § |  |  |  |
| Japanese radish, roots (including radish) | ○ | 0.2 | 0.2 | § |  |  |  |
| Japanese radish, leaves (including radish) | ○ | 2 | 2 | § |  |  |  |
| Turnip, roots (including rutabaga) | ○ | 0.3 | 0.3 | § |  |  |  |
| Turnip, leaves (including rutabaga) | ○ | 0.3 | 0.3 | § |  |  |  |
| Horseradish | ○ | 0.2 | 0.2 | § |  |  |  |
| Chinese cabbage | ○ | 0.3 | 0.3 | § |  |  |  |
| Cabbage | ○ | 0.5 | 0.5 | § | 0.5 |  |  |
| Brussels sprouts | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Komatsuna(Japanese mustard spinach) | ○ | 1 | 1 | § |  |  |  |
| Kyona | ○ | 3 | 3 | § |  |  |  |
| Qing-geng-cai | ○ | 2 | 2 | § |  |  |  |
| Cauliflower | ○ | 0.5 | 0.5 |  | 0.5 |  |  |
| Broccoli | ○ | 0.5 | 0.5 | § | 0.5 |  |  |
| Other cruciferous vegetables | ○ | 0.7 | 0.7 | § |  |  |  |
| Burdock | ○ | 0.05 | 0.05 | § |  |  |  |
| Shungiku | ○ | 4 | 4 |  |  | 5.0\* | USA |
| Lettuce (including cos lettuce and leaf lettuce) | ○ | 2 | 2 | § | 2 |  |  |
| Other composite vegetables | ○ | 4 | 4 |  |  | 5.0\* | USA |
| Onion | ○ | 2 | 2 | § | 2 |  |  |
| Welsh (including leek) | ○ | 0.2 | 0.2 | § |  |  |  |
| Garlic | ○ | 3 | 0.5 | IT |  | 3.0\* | USA |
| Asparagus | ○ | 0.2 | 0.05 | §・Request | 0.05 |  |  |
| Multiplying onion (including shallot) | ○ | 0.2 | 0.2 | § |  |  |  |
| Other liliaceous vegetables | ○ | 0.3 | 0.3 | § |  |  |  |
| Carrot | ○ | 0.4 | 0.4 | § | 0.05 | 0.5\* | USA |
| Parsley | ○ | 2 | 2 | § |  |  |  |
| Celery | ○ | 4 | 4 |  |  | 5.0\* | USA |
| Mitsuba | ○ | 2 | 2 | § |  |  |  |
| Other umbelliferous vegetables | ○ | 1 | 1 | § |  |  |  |
| Tomato | ○ | 2 | 2 | § | 0.5 |  |  |
| Pimiento (sweet pepper) | ○ | 2 | 2 | § | 1 |  |  |
| Egg plant | ○ | 1 | 1 | § |  |  |  |
| Other solanaceous vegetables | ○ | 1 | 1 | § | 1 |  |  |
| Cucumber (including gherkin) | ○ | 1 | 1 | § | 0.5 |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Pumpkin (including squash) | ○ | 0.2 | 0.2 | § | 0.2 |  |  |
| Water melon | ● | 0.1 | 0.2 | § |  |  |  |
| Melons | ○ | 0.7 | 0.7 | § |  |  |  |
| Spinach | ○ | 2 | 2 | § | 2 |  |  |
| Okra | ○ | 1 | 1 | § |  |  |  |
| Ginger | ○ | 1 | 1 | § |  |  |  |
| Peas, immature (with pods) | ○ | 0.2 | 0.2 |  | 0.05 | 0.2 | USA |
| Kidney beans, immature (with pods) | ○ | 0.2 | 0.2 |  |  | 0.2 | USA |
| Green soybeans | ○ | 0.2 | 0.2 | § |  | 0.2 | USA |
| Other vegetables | ○ | 3 | 3 | § |  |  |  |
| Unshu orange, pulp | ○ | 0.2 | 0.2 | § |  |  |  |
| Lemon | ○ | 0.7 | 0.7 |  |  |  |  |
| Orange (including navel orange) | ○ | 0.7 | 0.7 |  |  |  |  |
| Grapefruit | ○ | 0.7 | 0.7 |  |  |  |  |
| Lime | ○ | 0.7 | 0.7 |  |  |  |  |
| Other citrus fruits | ○ | 0.7 | 0.7 |  |  |  |  |
| Apple | ○ | 0.2 | 0.2 |  |  |  |  |
| Japanese pear | ○ | 0.2 | 0.2 |  |  |  |  |
| Pear | ○ | 0.2 | 0.2 |  |  |  |  |
| Quince | ○ | 0.2 | 0.2 |  |  |  |  |
| Loquat | ○ | 0.2 | 0.2 |  |  |  |  |
| Peach | ○ | 0.2 | 0.2 |  |  |  |  |
| Nectarine | ○ | 0.2 | 0.2 |  |  |  |  |
| Apricot | ○ | 0.2 | 0.2 |  |  |  |  |
| Japanese plum (including prune) | ○ | 0.2 | 0.2 |  |  |  |  |
| Cherry | ○ | 0.2 | 0.2 |  |  |  |  |
| Strawberry | ○ | 7 | 7 | § |  | 10\* | USA |
| Raspberry | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Blackberry | ○ | 0.7 | 0.2 |  |  | 0.7 | USA |
| Blueberry | ○ | 2 | 2 |  |  | 2 | USA |
| Other berries | ○ | 0.7 | 0.2 |  |  | 0.7 | USA |
| Grape | ○ | 1 | 1 | § | 1 |  |  |
| Avocado | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Passion fruit | ● | | 0.2 |  |  |  |  |
| Sunflower seeds | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Cotton seeds | ○ | 0.05 | 0.05 |  | 0.05 |  |  |
| Almond | ○ | 0.4 | 0.4 |  |  | 0.5\* | USA |
| Walnut | ○ | 0.4 | 0.4 |  |  | 0.5\* | USA |
| Cacao beans ※1 | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Hop | ○ | 10 | 10 | § | 10 |  |  |
| Other spices | ○ | 5 | 5 | § | 5 |  |  |
| Other herbs | ○ | 2 | 2 | § |  |  |  |
| Cattle, muscle | ○ | 0.05 | 0.02 |  |  |  |  |
| Pig, muscle | ○ | 0.05 | 0.02 |  |  |  |  |
| Other terrestrial mammals, muscle | ○ | 0.05 | 0.02 |  |  |  |  |
| Cattle, fat | ○ | 0.05 | 0.02 |  |  |  |  |
| Pig, fat | ○ | 0.05 | 0.02 |  |  |  |  |
| Other terrestrial mammals, fat | ○ | 0.05 | 0.02 |  |  |  |  |
| Cattle, liver | ○ | 0.3 | 0.1 |  |  |  |  |
| Pig, liver | ○ | 0.3 | 0.1 |  |  |  |  |
| Other terrestrial mammals, liver | ○ | 0.3 | 0.1 |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Cattle, kidney | ○ | 0.7 | 0.3 |  |  |  |  |
| Pig, kidney | ○ | 0.7 | 0.3 |  |  |  |  |
| Other terrestrial mammals, kidney | ○ | 0.7 | 0.3 |  |  |  |  |
| Cattle, edible offal | ○ | 0.7 | 0.02 |  |  |  |  |
| Pig, edible offal | ○ | 0.7 | 0.02 |  |  |  |  |
| Other terrestrial mammals, edible offal | ○ | 0.7 | 0.02 |  |  |  |  |
| Milk | ○ | 0.01 |  |  |  |  |  |
| Chicken, muscle | ○ | 0.05 | 0.01 |  |  |  |  |
| Other poultry, muscle | ○ | 0.05 | 0.01 |  |  |  |  |
| Chicken, fat | ○ | 0.05 | 0.01 |  |  |  |  |
| Other poultry, fat | ○ | 0.05 | 0.01 |  |  |  |  |
| Chicken, liver | ○ | 0.1 | 0.06 |  |  |  |  |
| Other poultry, liver | ○ | 0.1 | 0.06 |  |  |  |  |
| Chicken, kidney | ● | 0.1 | 0.2 |  |  |  |  |
| Other poultry, kidney | ● | 0.1 | 0.2 |  |  |  |  |
| Chicken, edible offal | ○ | 0.1 | 0.01 |  |  |  |  |
| Other poultry, edible offal | ○ | 0.1 | 0.01 |  |  |  |  |
| Chicken eggs | ○ | 0.05 | 0.01 |  |  |  |  |
| Other poultry, eggs | ○ | 0.05 | 0.01 |  |  |  |  |
| Fish | ○ | 0.1 | 0.1 |  |  |  |  |
| Pepper,dried ※2 | ● | | 10 |  | 10 |  |  |
| Other spices, dried (limited to seeds) ※3 | ● | | 5 |  | 5 |  |  |

The residue definition for agricultural and aquatic products is metalaxyl(including metalaxyl-M) only. The residue definition for animal products will be changed to the sum of metalaxyl (including metalaxyl-M) and its metabolites which are hydrolyzed to 2,6-dimethylaniline, expressed as metalaxyl.

The current residue definition for animal products is sum of metalaxyl and mefenoxam(metalaxyl-M) and metabolite D 【 2-((2,6-dimethylphenyl)-2-hydroxylacethyl)amino)propionate】, express as metalaxyl.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and to commodities not listed above.
* Diagonal line means deletion of a food category to which an MRL applies.
* 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 or deleted.

○：Commodities for which MRLs are to be maintained, increased or newly set. (\* It should be noted that the residue definition will be changed.)

§：Permitted for use in Japan.

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

※1 The portion of commodities to which an MRL applies and which is analyzed for cacao beans is the cacao

beans which do not include hulls.

※２ Food categories “Pepper,dried” will be deleted, and hereafter, MRLs in their raw commodities (i.e. other

solanaceous vegetables) will also apply to such processed commodities, taking into account their processing factors. For this substance, JMPR estimated processing factor of 10 for pepper,dried.

※３ Food categories “Other spices, dried (limited to seeds) ” will be abolished and integrated into “Other

spices”, followed by the current food category system for MRLs for agricultural and veterinary chemicals in Japan.

\*： The reference MRL of metalaxyl in USA includes metabolites.

According to plant metabolism test, the conversion factor of 0.7 is estimated by the maximum ratio of metalaxyl and sum of metabolites which were transformed to 2,6-dimethylaniline. The MRL referring to the US metalaxyl one will be established by using conversion factor with round up.

#### Spinosad

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Rice (brown rice) ※1 | ○ | 0.1 | 0.1 | § | 1 |  |  |
| Wheat | ○ | 2 | 2 |  | 1 | 1.5 | USA |
| Barley | ○ | 2 | 2 |  | 1 | 1.5 | USA |
| Rye | ○ | 1 | 1 |  | 1 |  |  |
| Corn (maize, including pop corn and sweet corn) | ○ | 2 | 2 |  | 1 | 1.5 | USA |
| Buckwheat | ○ | 1 | 1 |  | 1 |  |  |
| Other cereal grains | ○ | 1 | 1 |  | 1 |  |  |
| Soybeans, dry | ○ | 0.02 | 0.02 |  | 0.01 | 0.02 | USA |
| Beans, dry | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Peas | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Broad beans | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Peanuts, dry | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Other pulses | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Potato | ○ | 0.02 | 0.02 |  | 0.01 |  |  |
| Taro | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Sweet potato | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Yam | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Other potatoes | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Sugar beet | ○ | 0.06 | 0.06 |  |  |  |  |
| Japanese radish, roots (including radish) | ● | 0.1 | 0.2 | § |  |  |  |
| Japanese radish, leaves (including radish) | ○ | 10 | 10 | § | 10 |  |  |
| Turnip, roots (including rutabaga) | ○ | 0.1 | 0.1 | § |  |  |  |
| Turnip, leaves (including rutabaga) | ○ | 10 | 10 | § | 10 |  |  |
| Horseradish | ○ | 0.1 | 0.1 |  |  | 0.1 | USA |
| Watercress | ○ | 10 | 10 | § | 10 |  |  |
| Chinese cabbage | ○ | 10 | 2 | § | 10 |  |  |
| Cabbage | ○ | 2 | 2 | § | 2 |  |  |
| Brussels sprouts | ○ | 2 | 2 | § | 2 |  |  |
| Kale | ○ | 10 | 10 | § | 10 |  |  |
| Komatsuna(Japanese mustard spinach) | ○ | 10 | 10 | § | 10 |  |  |
| Kyona | ○ | 10 | 10 | § | 10 |  |  |
| Qing-geng-cai | ○ | 10 | 2 | § | 10 |  |  |
| Cauliflower | ○ | 2 | 2 | § | 2 |  |  |
| Broccoli | ○ | 2 | 2 | § | 2 |  |  |
| Other cruciferous vegetables | ○ | 10 | 2 | § | 10 |  |  |
| Burdock | ○ | 0.1 | 0.1 |  |  | 0.1 | USA |
| Salsify | ○ | 0.1 | 0.1 |  |  | 0.1 | USA |
| Artichoke | ○ | 0.3 | 0.3 |  |  |  |  |
| Chicory | ○ | 10 | 10 |  | 10 |  |  |
| Endive | ○ | 10 | 10 |  | 10 |  |  |
| Shungiku | ○ | 10 | 10 |  | 10 |  |  |
| Lettuce (including cos lettuce and leaf lettuce) | ○ | 10 | 10 | § | 10 |  |  |
| Other composite vegetables | ○ | 10 | 10 | § | 10 |  |  |
| Onion | ○ | 0.1 | 0.1 |  | 0.1 |  |  |
| Welsh (including leek) | ○ | 4 | 4 | § | 4 |  |  |
| Garlic | ○ | 0.1 |  | Request |  |  |  |
| Nira | ○ | 5 | 5 | § |  |  |  |
| Asparagus | ○ | 0.5 | 0.5 | § |  |  |  |
| Multiplying onion (including shallot) | ○ | 1 | 1 | § |  |  |  |
| Other liliaceous vegetables | ○ | 4 | 0.3 | § | 4 |  |  |
| Carrot | ○ | 0.2 | 0.2 | § |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Parsnip | ○ | 0.1 | 0.1 |  |  |  |  |
| Parsley | ○ | 8 | 8 | § |  | 8 | USA |
| Celery | ○ | 8 | 8 | § | 2 | 8 | USA |
| Mitsuba | ○ | 5 | 5 | § |  |  |  |
| Other umbelliferous vegetables | ○ | 5 | 5 | § |  |  |  |
| Tomato | ○ | 1 | 1 | § | 0.3 |  |  |
| Pimiento (sweet pepper) | ○ | 2 | 2 | § | 0.3 |  |  |
| Egg plant | ○ | 2 | 2 | § | 0.3 |  |  |
| Other solanaceous vegetables | ○ | 10 | 10 | § | 10 |  |  |
| Cucumber (including gherkin) | ○ | 0.5 | 0.5 | § | 0.2 |  |  |
| Pumpkin (including squash) | ○ | 0.3 | 0.3 |  | 0.2 | 0.3 | USA |
| Oriental pickling melon (vegetable) | ○ | 0.3 | 0.3 |  | 0.2 | 0.3 | USA |
| Water melon | ● | 0.1 | 0.3 | § |  |  |  |
| Melons | ● | 0.1 | 0.3 | § |  |  |  |
| Makuwauri melon | ● | 0.02 | 0.3 |  |  |  |  |
| Other cucurbitaceous vegetables | ○ | 10 | 10 | § | 10 |  |  |
| Spinach | ○ | 10 | 10 | § | 10 |  |  |
| Ginger | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Peas, immature (with pods) | ○ | 0.7 | 0.3 | Request | 0.3 |  |  |
| Kidney beans, immature (with pods) | ○ | 0.3 | 0.3 |  | 0.3 |  |  |
| Green soybeans | ○ | 0.3 | 0.3 |  | 0.3 |  |  |
| Other vegetables | ○ | 10 | 10 | § | 10 |  |  |
| Unshu orange, pulp | ○ | 0.1 | 0.1 | § |  |  |  |
| Citrus natsudaidai, whole | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Lemon | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Orange (including navel orange) | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Grapefruit | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Lime | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Other citrus fruits | ○ | 0.3 | 0.3 | § | 0.3 |  |  |
| Apple | ○ | 0.5 | 0.5 | § | 0.1 | 0.5 | Australia |
| Japanese pear | ○ | 0.5 | 0.5 |  |  | 0.5 | Australia |
| Pear | ○ | 0.5 | 0.5 |  |  | 0.5 | Australia |
| Quince | ○ | 0.5 | 0.5 |  |  | 0.5 | Australia |
| Peach | ○ | 0.2 | 0.2 | § |  |  |  |
| Nectarine | ○ | 0.5 | 0.5 | § | 0.2 |  |  |
| Apricot | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Japanese plum (including prune) | ○ | 0.2 | 0.2 | § | 0.2 |  |  |
| Mume plum | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Cherry | ○ | 0.2 | 0.2 |  | 0.2 |  |  |
| Strawberry | ○ | 1 | 1 | § |  |  |  |
| Raspberry | ○ | 1 | 1 | § | 1 |  |  |
| Blackberry | ○ | 1 | 1 |  | 1 |  |  |
| Blueberry | ○ | 0.4 | 0.4 |  | 0.4 |  |  |
| Cranberry | ○ | 0.02 |  |  | 0.02 |  |  |
| Huckleberry | ○ | 0.3 | 0.3 |  |  |  |  |
| Other berries | ○ | 1 | 1 |  | 1 |  |  |
| Grape | ○ | 0.5 | 0.5 |  | 0.5 |  |  |
| Banana | ○ | 0.3 | 0.3 |  |  | 0.25 | USA |
| Papaya | ○ | 0.3 | 0.3 |  |  |  |  |
| Avocado | ○ | 0.3 | 0.3 |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Commodity** | **MRL**  **(draft) ppm** | | **MRL**  **(current) ppm** | **Registration** | **Reference MRL** | | |
| Codex ppm | National ppm | |
| Pineapple | ○ | 0.02 | 0.02 |  |  | 0.02 | USA |
| Guava | ○ | 0.3 | 0.3 |  |  |  |  |
| Mango | ○ | 0.3 | 0.3 | § |  |  |  |
| Passion fruit | ○ | 0.7 | 0.7 |  | 0.7 |  |  |
| Date | ○ | 0.1 | 0.1 |  |  | 0.1 | USA |
| Other fruits | ○ | 0.3 | 0.3 | § |  |  |  |
| Cotton seeds | ○ | 0.02 | 0.02 |  | 0.01 | 0.02 | USA |
| Ginkgo nut | ○ | 0.07 |  |  | 0.07 |  |  |
| Chestnut | ○ | 0.1 | 0.1 |  | 0.07 | 0.1 | USA |
| Pecan | ○ | 0.1 | 0.1 |  | 0.07 | 0.1 | USA |
| Almond | ○ | 0.07 | 0.07 |  | 0.07 |  |  |
| Walnut | ○ | 0.1 | 0.1 |  | 0.07 | 0.1 | USA |
| Other nuts | ○ | 0.07 | 0.07 |  | 0.07 |  |  |
| Tea | ○ | 2 | 2 | § |  |  |  |
| Other spices | ● | 2 | 10 | § | 0.3 |  |  |
| Other herbs | ○ | 10 | 10 | § | 10 |  |  |
| Cattle, muscle | ○ | 2 | 2 |  | 2 |  |  |
| Pig, muscle | ○ | 2 | 2 |  | 2 |  |  |
| Other terrestrial mammals, muscle | ○ | 2 | 2 |  | 2 |  |  |
| Cattle, fat | ○ | 10 | 10 |  |  |  |  |
| Pig, fat | ○ | 10 | 10 |  | 2 |  |  |
| Other terrestrial mammals, fat | ○ | 10 | 10 |  | 2 |  |  |
| Cattle, liver | ○ | 5 | 5 |  | 2 |  |  |
| Pig, liver | ○ | 5 | 5 |  | 0.5 |  |  |
| Other terrestrial mammals, liver | ○ | 5 | 5 |  | 0.5 |  |  |
| Cattle, kidney | ○ | 2 | 2 |  | 1 |  |  |
| Pig, kidney | ○ | 2 | 2 |  | 0.5 |  |  |
| Other terrestrial mammals, kidney | ○ | 2 | 2 |  | 0.5 |  |  |
| Cattle, edible offal | ○ | 5 | 5 |  |  |  |  |
| Pig, edible offal | ○ | 5 | 5 |  | 0.5 |  |  |
| Other terrestrial mammals, edible offal | ○ | 5 | 5 |  | 0.5 |  |  |
| Milk | ○ | 2 | 2 |  | 1 |  |  |
| Chicken, muscle | ○ | 0.1 | 0.1 |  |  |  |  |
| Other poultry, muscle | ○ | 0.1 | 0.1 |  | 0.2 |  |  |
| Chicken, fat | ○ | 8 | 8 |  | 0.2 |  |  |
| Other poultry, fat | ○ | 1 | 1 |  | 0.2 |  |  |
| Chicken, liver | ○ | 1 | 1 |  |  |  |  |
| Other poultry, liver | ○ | 0.1 | 0.1 |  |  |  |  |
| Chicken, kidney | ○ | 0.7 | 0.7 |  |  |  |  |
| Other poultry, kidney | ○ | 0.1 | 0.1 |  |  |  |  |
| Chicken, edible offal | ○ | 1 | 1 |  |  |  |  |
| Other poultry, edible offal | ○ | 0.1 | 0.1 |  |  |  |  |
| Chicken eggs | ○ | 0.5 | 0.5 |  | 0.01 |  |  |
| Other poultry, eggs | ○ | 0.1 | 0.1 |  | 0.01 |  |  |
| Wheat bran ※2 | ● | | 2 |  | 2 |  |  |
| Raisin | ○ | 1 | 1 |  | 1 |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| Cottonseed oil, (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) ※3 | ○ | 0.01 |  | 0.01 |  |  |
| Cottonseed oil (except 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) ※3 | ○ | 0.01 |  | 0.01 |  |  |
| Cottonseed oil | ○ 0.01 |  |  |  |  |  |

The residue definition is sum of spinosyn A and spinosyn D. The current residue definition is spinosad only.

* The uniform limit 0.01 ppm will be applied to commodities for which draft MRLs are not given in this table and to commodities not listed above.
* Diagonal line means deletion of a food category to which an MRL applies.
* 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 or deleted.

○：Commodities for which MRLs are to be maintained, increased or newly set. (\* It should be noted that the residue definition will be changed.)

§：Permitted for use in Japan.

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

※1 The draft MRL for rice (brown rice) is estimated by using processing factor (residue concentration ratio of rice to brown rice: 0.11) based on the Codex MRL for rice.

※2 Food categories “Wheat bran” will be deleted, and hereafter, MRLs in their raw commodities (i.e. wheat) will also apply to such processed commodities, taking into account their processing factors. For this substance, JMPR estimated processing factor of 2 for wheat bran.

※3 Food categories “Cottonseed oil, (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)” , “Cottonseed oil (except 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)” will be abolished and integrated into “Cottonseed oil”, followed by the current food category system for MRLs for agricultural and veterinary chemicals in Japan.

## Notes:

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

“Beans, dry” including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya

“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, pimiento (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 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 animals” 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.

**Item 2. Revision of Standards for Sodium Selenite and Biotin**

#### The government of Japan will revise the existing standards for use of Sodium Selenite and Biotin.

**Summary**

The Food Sanitation Act, in Article 10, prohibits the use and sale of food additives the Minister of Health, Labour and Welfare (hereinafter referred as “the Minister”) does not designate. In addition, when specifications or standards for food additives are established based on Article 11 of the act and stipulated in the Ministry of Health, Labour and Welfare Notification (Ministry of Health and Welfare Notification No. 370, 1959), those additives shall not be used or sold unless they meet the standards or specifications.

In response to a request from the Minister, the Committee on Food Additives of the Food Sanitation Council that is established under the Pharmaceutical Affairs and Food Sanitation Council has discussed whether it is adequate to revise the existing standards for use of Sodium Selenite [CAS:26970-82-1]1 and Biotin [CAS:58-85-5] 2.

The committee has concluded that the Minister should revise the standards based on Article 11 of the act. For details, see Attachments 2-1.

**Note**

1. Selenium is an essential nutrient as a constituent of proteins containing selenium, which are involved in the anti-oxidizing system and thyroid hormone metabolism. Some European countries and the United States require the infant formula and follow-up milk producers to add selenium to their products.
2. Biotin is an essential nutrient. It is permitted for use in infant formula and follow-up milk (follow-up formula) in European countries and the United States.

**<Additional Information>**

Progress in the designation procedure of food additives (54 flavorings and 45 non-flavoring additives) that have been proven safe by JECFA (Joint FAO/WHO Expert Committee on Food Additives) and that are widely used in countries other than Japan.

As of May 21, 2018, all flavorings and 41 non-flavoring additives are designated. See Attachment 2-2.

**Attachment 2-1**

**Revision of Standards for Use**

**Sodium Selenite**

Current regulations

Sodium selenite is permitted only in powdered infant formula and formulated breast milk substitutes (excluding those that received the approval of the Minister of Health, Labour and Welfare based on 2, Part 5, Paragraph 6 of Attached Table of the Ministerial Ordinance on Milk and Milk products Concerning Compositional Standards, etc.).

When sodium selenite is used in formulated breast milk substitutes, it shall not be contained at a level exceeding 5.5 μg as Se per 100 kcal for each product.

Revised regulations

Sodium selenite is allowed to be used in liquid infant formula.

**Biotin**

Current regulations

Biotin is permitted only in powdered infant formula and formulated breast milk substitutes (excluding those that received the approval of the Minister of Health, Labour and Welfare based on 2, Part 5, Paragraph 6 of Attached Table of the Ministerial Ordinance on Milk and Milk products Concerning Compositional Standards, etc.), and foods with health claims (foods with nutrient function claims and foods for specified health uses).

When biotin is used in formulated breast milk substitutes, it shall not be contained at a level exceeding 10 µg per 100 kcal in each product.

Revised regulations

Biotin is allowed to be used in liquid infant formula.

**Progress of evaluation of food additives that have been proven safe and are widely used in the world**

#### Attachment ２-２

21 May, 2018

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Isobutanol | 21 Nov 2003 | 24 Mar 2004(fin.) | 27 May 2004 | 23 Apr 2004(fin.) | 19 Aug 2004 | 24 Dec 2004 |
| 2-Ethyl-3, (5 or 6)- dimethylpyrazine | 3 Mar 2004(fin.) | 27 May 2004 | 8 Apr 2004(fin.) | 26 Jul 2004 | 24 Dec 2004 |
| 2,3,5,6-Tetramethylpyrazine | 3 Mar 2004(fin.) | 27 May 2004 | 8 Apr 2004(fin.) | 26 Jul 2004 | 24 Dec 2004 |
| Calcium stearate | 4 Mar 2004 | 20 May 2004(fin.) | 29 Jul 2004 | 24 Jun 2004(fin.) | 21 Oct 2004 | 24 Dec 2004 |
| Propanol | 21 Nov 2003 | 24 Mar 2004  20 May 2004  28 Jul 2004(fin.) | 9 Sep 2004 | 26 Aug 2004(fin.) | 14 Dec 2004 | 24 Feb 2005 |
| Nitrous oxide | 20 Oct 2003 | 17 Dec 2003  5 Oct 2004(fin.) | 9 Dec 2004 | 17 Dec 2004(fin.) | 19 Feb 2005 | 22 Mar 2005 |
| Isopropanol | 15 Dec 2003 | 24 Mar 2004  9 Apr 2004  8 Sep 2004  5 Oct 2004(fin.) | 9 Dec 2004 | 28 Oct 2004(fin.) | 4 Mar 2005 | 28 Apr 2005 |
| Hydroxypropyl cellulse | 16 Aug 2004 | 22 Dec 2004(fin.) | 10 Mar 2005 | 24 Feb 2005(fin.) | 14 Jun 2005 | 19 Aug 2005 |
| Isoamylalcohol | 5 Nov 2004 | 14 Jan 2005(fin.) | 17 Mar 2005 | 24 Feb 2005(fin.) | 14 Jun 2005 | 19 Aug 2005 |
| 2,3,5-Trimethylpyrazine |
| Amylalcohol |
| Natamycin | 20 Oct 2003 | 9 Jan 2004  16 Nov 2004  26 Jan 2005(fin.) | 6 May 2005 | 24 Mar 2005(fin.) | 7 Sep 2005 | 28 Nov 2005 |
| Acetaldehyde | 21 Nov 2003 | 3 Mar 2004  9 Apr 2004  27 Apr 2004  23 Feb 2005  13 Apr 2005(fin.) | 21 Jul 2005 | 23 Jun 2005(fin.) | 12 Oct 2005 | 16 May 2006 |
| 2-Ethyl-3-methylpyrazine | 7 Mar 2005 | 14 Jun 2005(fin.) | 18 Aug 2005 | 28 Jul 2005(fin.) | 19 Dec 2005 | 16 May 2006 |
| 5-Methylquinoxaline |
| Butanol | 14 Jun 2005  22 Jul 2005(fin.) | 22 Sep 2005 | 27 Oct 2005  24 Nov 2005(fin.) | 26 Apr 2006 | 12 Sep 2006 |
| Ammonium alginate | 28 Mar 2005 | 2 Dec 2005  14 Dec 2005(fin.) | 30 Mar 2006 | 23 Mar 2006(fin.) | 5 Sep 2006 | 26 Dec 2006 |
| Potassium alginate |
| Calcium alginate |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| 2-Methylbutanol | 19 Dec 2005 | 14 Jul 2006  11 Aug 2006(fin.) | 12 Oct 2006 | 8 Dec 2006  16 Jan 2007 (Fin.) | 22 May 2007 | 3 Aug 2007 |
| Isobutyraldehyde | 19 Dec 2005 | 28 Jun 2006  14 Jul 2006  11 Aug 2006  13 Sep 2006  13 Oct 2006(fin.) | 7 Dec 2006 | 8 Dec 2006  16 Jan 2007 (Fin.) | 22 May 2007 | 3 Aug 2007 |
| Butyraldehyde | 19 Dec 2005 | 19 Dec 2006  26 Jan 2007(fin.) | 22 Mar 2007 | 20 Mar 2007(fin.) | 27 Aug 2007 | 26 Oct 2007 |
| Polysorbate 20, 60, 65, 80 | 8 Oct 2003 | 29 Oct 2003  27 Apr 2004  28 Jul 2004  23 Mar 2007(fin.) | 7 Jun 2007 | 4 Jul 2007  9 Aug 2007(fin.) | 16 Dec 2007 | 30 Apr 2008 |
| Calcium silicate | 15 Aug 2005 | 28 Feb 2007  23 Mar 2007  17 Apr 2007  29 May 2007(fin.) | 26 Jul 2007 | 9 Aug 2007(fin.) | 16 Dec 2007 | 30 Apr 2008 |
| Calcium ascorbate | 3 Oct 2005 | 23 Mar 2007  17 Apr 2007  29 May 2007  22 Jun 2007(fin.) | 23 Aug 2007 | 9 Aug 2007(fin.) | 16 Dec 2007 | 30 Apr 2008 |
| Nisin | 20 Oct 2003 | 9 Apr 2004  16 Nov 2004  26 Jan 2005  30 Jul 2007  27 Aug 2007(fin.) | 31 Jan 2008 | 26 Sep 2007  24 Oct 2007  28 Feb 2008(fin.)  24 Sep 2008(fin.) | 18 Jul 2008 | 2 Mar 2009 |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Acetylated distarch adipate | 26 Nov 2004 | 23 Mar 2005  17 May 2005  27 Aug 2007  28 Sep 2007(fin.) | 29 Nov 2007 | 28 Nov 2007(fin.)  4 Jul 2008(fin.) | 29 May 2008 | 1 Oct 2008 |
| Acetylated distarch phosphate |
| Acetylated oxidized starch |
| Starch sodium octenylsuccinate |
| Hydroxypropyl starch |
| Hydroxypropyl distarch phosphate |
| Phosphated distarch phosphate |
| Monostarch phosphate |
| Distarch phosphate |
| Oxidized starch |
| Starch acetate |
| Magnesium hydroxide | 9 Mar 2006 | 22 Jun 2007  30 Jul 2007  27 Aug 2007(fin.) | 1 Nov 2007 | 24 Oct 2007(fin.) | 7 Feb 2008 | 4 Jul 2008 |
| Magnesium Monohydrogen Phosphate | 28 Mar 2005 | 31 May 2006  28 Jun 2006  14 Jul 2006  11 Aug 2006  13 Sep 2006  28 Nov 2006  25 Oct 2011  29 Nov 2011  16 Dec 2011(fin) | 22 Mar 2012 | 6 Mar 2012(fin.) | 22 Jul 2012 | 2 Nov 2012 |
| Polyvinylpyrrolidone | 20 Jun 2005 | 13 Sep 2006  13 Oct 2006  28 Nov 2006  19 Dec 2006  26 Jan 2007  18 Dec 2012  22 Jan 2013  22 Feb 2013  27 Mar 2013  25 Apr 2013(fin.) | 30 Jul 2013 | 21 Jun 2013  30 Oct 2013  29 Jan 2014(fin) | ― | 18 Jun 2014 |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Magnesium silicate(synthetic) | 15 Aug 2005 | 28 Feb 2007  23 Mar 2007  17 Apr 2007  28 Sep 2009  17 Nov 2009(fin.) | 21 Jan 2010 | 25 Dec 2009(fin) | 6 Jun 2010 | 20 Oct 2010 |
| Sodium aluminium silicate | 15 Aug 2005 | 28 Feb 2007  30 May 2012  16 May 2013  28 Jun 2013  30 Jul 2013  20 Aug 2013  (under consideration) |  |  |  |  |
| Calcium aluminium silicate | 15 Aug 2005 | 28 Feb 2007  30 May 2012  27 Jul 2012  16 May 2013  28 Jun 2013  30 Jul 2013  20 Aug 2013  (under consideration) |  |  |  |  |
| Calcium saccharin | 22 May 2006 | 27 Aug 2007  28 Sep 2007  26 Oct 2007  26 Apr 2011  31 May 2011  28 Jun 2011(fin) | 25 Aug 2011 | 2 Nov 2011 (fin) | 12 May 2012 | 28 Dec 2012 |
| Ammonium L-glutamate | 22 May 2006 | 15 Jan 2008(fin.) | 13 Mar 2008 | 11 Apr 2008 (fin.) | 10 Oct 2008 | 20 Oct 2010 |
| Sodium stearoyl-2-lactylate | 6 Feb 2007 | 24 Mar 2008  15 Apr 2008(fin.) | 10 Jul 2008 | 4 Jul 2008(fin.) | 1 Dec 2008 | 28 May 2010 |
| Potassium lactate | 6 Feb 2007 | 17 Jun 2008  29 Sep 2008  21 Aug 2012  26 Sep 2012  25 Oct 2012(fin.) | 21 Jan 2013 | 6 Dec 2012 | 11 Mar 2013 | 15 May 2013 |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Calcium sorbate | 19 Mar 2007 | 26 Mar 2008  17 Jun 2008  29 Aug 2008(fin.) | 20 Nov 2008 | 25 Nov 2008(fin) | 25 Apr 2009 | 28 May 2010 |
| Valeraldehyde | 19 Mar 2007 | 1 Feb 2008(fin.) | 27 Mar 2008 | 4 Jul 2008(fin.) | 1 Dec 2008 | 4 Jun 2009 |
| Isovaleraldehyde | 19 Mar 2007 | 1 Feb 2008(fin.) | 27 Mar 2008 | 4 Jul 2008(fin.) | 1 Dec 2008 | 4 Jun 2009 |
| 2,3-Dimethylpyrazine | 7 Feb 2008 | 15 Apr 2008  26 May 2008(fin.) | 31 Jul 2008 | 24 Sep 2008(fin.) | 3 Feb 2009 | 4 Jun 2009 |
| 2,5-Dimethylpyrazine | 7 Feb 2008 | 15 Apr 2008  26 May 2008(fin.) | 31 Jul 2008 | 24 Sep 2008(fin.) | 3 Feb 2009 | 4 Jun 2009 |
| 2,6-Dimethylpyrazine | 7 Feb 2008 | 15 Apr 2008  26 May 2008(fin.) | 31 Jul 2008 | 24 Sep 2008(fin.) | 3 Feb 2009 | 4 Jun 2009 |
| 2-Ethylpyrazine | 22 May 2008 | 29 Sep 2008(fin.) | 27 Nov 2008 | 22 Oct 2008(fin.) | 25 Apr 2009 | 28 May 2010 |
| 2-Methylpyrazine | 22 May 2008 | 29 Sep 2008(fin.) | 27 Nov 2008 | 22 Oct 2008(fin.) | 25 Apr 2009 | 28 May 2010 |
| 2-Pentanol | 14 Oct 2008 | 11 Nov 2008(fin.) | 22 Jan 2009 | 28 Apr 2009(fin.) | 20 Sep 2009 | 28 May 2010 |
| 2-Methylbutyraldehyde | 14 Oct 2008 | 11 Nov 2008(fin.) | 22 Jan 2009 | 22 Dec 2008(fin.) | 29 May 2009 | 28 May 2010 |
| Propionaldehyde | 20 Nov 2008 | 2 Feb 2009(fin.) | 2 Apr 2009 | 28 Apr 2009(fin.) | 20 Sep 2009 | 28 May 2010 |
| 6-Methylquinoline | 20 Nov 2008 | 23 Mar 2009(fin) | 21 May 2009 | 28 Apr 2009(fin.) | 20 Sep 2009 | 28 May 2010 |
| 2-Ethyl-5-methylpyrazine | 12 Mar 2009 | 29 Jun 2009  28 Sep 2009(fin.) | 8 Oct 2009 | 25 Dec 2009(fin) | 6 Jun 2010 | 20 Oct 2010 |
| 5,6,7,8-Tetrahydroquinoxaline | 12 Mar 2009 | 29 Jun 2009(fin) | 27 Aug 2009 | 3 Sep 2009(fin.) | 2 Feb 2010 | 28 May 2010 |
| 3-Methyl-2-butanol | 12 Mar 2009 | 18 May 2009(fin.) | 23 Jul 2009 | 3 Sep 2009(fin.) | 2 Feb 2010 | 28 May 2010 |
| Isopentylamine | 12 Aug 2009 | 7 Sep 2009(fin.) | 12 Nov 2009 | 25 Dec 2009(fin) | 6 Jun 2010 | 20 Oct 2010 |
| Butylamine | 10 Sep 2009 | 20 Oct 2009  17 Nov 2009(fin) | 4 Mar 2010 | 5 Mar 2010(fin) | 30 Aug 2010 | 10 Nov 2010 |
| Phenetylamine | 5 Nov 2009 | 17 Nov 2009(fin) | 18 Mar 2010 | 5 Mar 2010(fin) | 30 Aug 2010 | 10 Nov 2010 |
| Trimethylamine | 26 Nov 2009 | 15 Dec 2009(fin) | 29 Jul 2010 | 2 Nov 2011 (fin) | 19 Mar 2012 | 28 Dec 2012 |
| 1-Penten-3-ol | 2 Feb 2010 | 23 Feb 2010(fin) | 28 Apr 2010 | 9 Feb 2011(fin) | 24 May 2011 | 19 Jul 2011 |
| 3-Methyl-2-butenol | 2 Feb 2010 | 23 Feb 2010(fin) | 28 Apr 2010 | 9 Feb 2011(fin) | 24 May 2011 | 19 Jul 2011 |
| Piperidine | 15 Mar 2010 | 30 Mar 2010(fin) | 20 May 2010 | 23 Jun 2010(fin) | 23 Oct 2010 | 13 Dec 2010 |
| Pyrrolidine | 5 Apr 2010 | 20 Apr 2010(fin) | 3 Jun 2010 | 23 Jun 2010(fin) | 23 Oct 2010 | 13 Dec 2010 |
| 2,6-Dimethylpyridine | 13 May 2010 | 2 Jun 2010(fin) | 15 Jul 2010 | 9 Sep 2010(fin) | 3 Jan 2011 | 15 Mar 2011 |
| 3-Ethylpyridine | 14 Jun 2010 | 29 Jun 2010  23 Aug 2011  15 Nov 2012(fin.) | 18 Feb 2013 | 18 Jan 2013 | 18 May 2013 | 6 Aug 2013 |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| 5-Ethyl-2-methylpyridine | 14 Jun 2010 | 29 Jun 2010(fin) | 26 Aug 2010 | 9 Sep 2010(fin) | 3 Jan 2011 | 15 Mar 2011 |
| 2-(3-Phenylpropyl)pyridine | 9 Jul 2010 | 27 Jul 2010(fin) | 7 Oct 2010 | 22 Dec 2010(fin) | 1 Apr 2011 | 28 Jun 2011 |
| 2,3-Diethyl-5-methylpyrazine | 9 Jul 2010 | 27 Jul 2010(fin) | 7 Oct 2010 | 22 Dec 2010(fin) | 1 Apr 2011 | 28 Jun 2011 |
| 5-methyl-6,7-Dihydro-5*H* - cyclopentapyrazine | 12 Aug 2010 | 31 Aug 2010(fin) | 27 Jan 2011 | 22 Dec 2010(fin) | 1 Apr 2011 | 28 Jun 2011 |
| Pyrazine | 12 Aug 2010 | 31 Aug 2010(fin) | 4 Jan 2011 | 9 Feb 2011(fin) | 24 May 2011 | 19 Jul 2011 |
| 3-Methyl-2-butenal | 9 Sep 2010 | 27 Sep 2010(fin) | 27 Jan 2011 | 9 Feb 2011(fin) | 24 May 2011 | 19 Jul 2011 |
| *trans* -2-Pentenal | 29 Oct 2010 | 12 Nov 2010  21 Dec 2010  27 Sep 2011(fin) | 1 Dec 2011 | 6 Mar 2012(fin) | 22 Jul 2012 | 2 Nov 2012 |
| Isoquinolin | 29 Oct 2010 | 12 Nov 2010(fin) | 3 Feb 2011 | 11 May 2011(fin) | 8 Aug 2011 | 27 Dec 2011 |
| 2-Ethyl-6-methylpyrazine | 6 Dec 2010 | 21 Dec 2010(fin) | 31 Mar 2011 | 2 Nov 2011 (fin) | 19 Mar 2012 | 28 Dec 2012 |
| *trans* -2-Methyl-2-butenal | 4 Jan 2011 | 18 Jan 2011(fin) | 21 Apr 2011 | 2 Nov 2011 (fin) | 19 Mar 2012 | 28 Dec 2012 |
| Pyrrole | 4 Jan 2011 | 18 Jan 2011(fin) | 31 Mar 2011 | 11 May 2011(fin) | 8 Aug 2011 | 27 Dec 2011 |
| (3-Amino-3-  carboxypropyl)dimethylsulfonium chloride | 17 Feb 2011 | 22 Feb 2011(fin) | 12 May 2011 | 2 Nov 2011 (fin) | 19 Mar 2012 | 28 Dec 2012 |
| Ammonium isovalerate | 3 Mar 2011 | 26 Apr 2011  31 May 2011  15 Nov 2012(fin.) | 18 Feb 2013 | 16 Feb 2015 | 21 May 2015 | 29 Jul 2015 |
| 28 Nov 2014 | - | 9 Dec 2014 |
| β-apo-8’-carotenal | 19 Apr 2011 | 27 Mar 2012  27 Jul 2012  16 May 2013  28 Jun 2013  30 Jul 2013  20 Aug 2013(fin.) | 25 Nov 2013 | 27 Nov 2013 | － | 18 Jun 2014 |
| Carmine | 19 Apr 2011 | 26 Jul 2011  23 Aug 2011  30 May 2012  (under consideration) |  |  |  |  |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Canthaxanthin | 19 Apr 2011 | 27 Mar 2012  27 Jul 2012  20 Aug 2013  24 Sep 2013  17 Oct 2013  20 Nov 2013  25 Dec 2013  30 Jun 2014(fin) | 14 Oct 2014 | 5 Sep 2014 | 18 Nov 2014 | 20 Feb 2015 |
| Sodium aluminium phosphate,acidic | 19 Apr 2011 | 30 May 2012  16 May 2013  28 Jun 2013  30 Jul 2013  20 Aug 2013  (under consideration) |  |  |  |  |
| Calcium acetate | 19 Apr 2011 | 24 Apr 2012  15 Nov 2012  18 Dec 2012  22 Jan 2013(fin) | 15 Apr 2013 | 13 Mar 2013 | 22 Jun 2013 | 4 Dec 2013 |
| Calcium oxide | 19 Apr 2011 | 24 Apr 2012  15 Nov 2012  18 Dec 2012  22 Jan 2013(fin） | 15 Apr 2013 | 13 Mar 2013 | 22 Jun 2013 | 22 Oct 2013 |
| Potassium sulfate | 19 Apr 2011 | 24 Apr 2012  26 Sep 2012  25 Oct 2012(fin.) | 21 Jan 2013 | 6 Dec 2012 | 11 Mar 2013 | 15 May 2013 |
| Triethyl citrate | 19 Apr 2011 | 30 May 2012  18 Dec 2012  22 Jan 2013  22 Feb 2013  29 Sep 2014  29 Oct 2014(fin.) | 17 Feb 2015 | 25 Dec 2014 | 3 Mar 2015 | 19 May 2015 |

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| **Substance name** | **Request for evaluation** | **Food Safety Commission** | | **MHLW** | | |
| **Evaluation by expert committee1** | **Notification of result2** | **Discussion by subcommittee3** | **Closing date for comments4** | **Date of designation as food additives** |
| Isopropanol | 19 Apr 2011 | 29 Nov 2011  16 Dec 2011(fin) | 29 Mar 2012 | 31 May 2013 | 8 Oct 2013 | 4 Dec 2013 |
| 16 May 2013 | ― | 27 May 2013 |
| 2,3-Diethylpyrazine | 12 Feb 2014 | 13 Mar 2014  22 May 2014（fin） | 26 Aug 2014 | 20 Jun 2014 | 23 Oct 2014 | 17 Nov 2014 |
| 1-Methylnaphthalene | 5 Nov 2014 | 12 Dec 2014  14 Jan 2015  5 Feb 2015(fin.) | 19 May 2015 | 24 Apr 2015 | 12 Jun 2015 | 18 Sep 2015 |

flavouring agents

1. Date when discussion was conducted by the expert committee.
2. Date when the evaluation result was filed with the MHLW.
3. Date when discussion was conducted by the Subcommittee on Food Additives under the Pharmaceutical Affairs and Food Sanitation Council.
4. Closing date for comment on WTO notification