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GAIN Report

Global Agricultural Information Network

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MRLs for Ethiprole and 6 Other Substances

Report Categories:

Sanitary/Phytosanitary/Food Safety

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Report Highlights:

On February 25, 2011, the Government of Japan notified the WTO of proposed changes to the Maximum Residue Levels (MRLs) for six pesticides (Ethiprole, Fenthion, Flubendiamide, Isoprothiolane, Mefenpyr-diethyl, Thiobencarb) and one veterinary drug (Carazolol.) The WTO-SPS comment period started on March 25 and will end on May 24, 2011.

General Information:

On February 25, 2011, the Government of Japan officially announced proposed changes to the MRLs for six pesticides (Ethiprole, Fenthion, Flubendiamide, Isoprothiolane, Mefenpyr-diethyl, Thiobencarb) and one veterinary drug (Carazolol) to the WTO. The WTO-SPS comment period started on March 25 and will end on May 24, 2011.

The actual WTO-SPS notifications can be found at the site below.

http://www.wto.org/english/tratop_e/sps_e/work_and_doc_e.htm

Following the end of WTO comment period, the Government of Japan will create a final report. This report will be based on the conclusions reached during a session held by the Pharmaceutical Affairs and Food Sanitation Council scheduled for a later date; this will constitute the final decision.

Comments to the Government of Japan can be submitted in either Japanese or English. GOJ point of contact for this particular notification is indicated below. Please consider copying the U.S. Embassy, Tokyo at agtokyo@usda.gov when submitting your comments in order for them to be considered as part of the official U.S. Government comments to the WTO.

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Establishment of Maximum Residue Limits for Agricultural Chemicals in FoodSummary

The Ministry of Health, Labour and Welfare (MHLW) is going to develop the compositional specification for food.

Under the provisions of Article 11, Paragraph 1 of the Food Sanitation Law, the MHLW is authorized to establish residue standards (maximum residue limits: MRLs) for pesticides, feed additives, and veterinary drugs (hereafter referred to as just “agricultural chemicals”) that may remain in foods. Any food for which standards are established pursuant to the provisions is not permitted to be marketed in Japan unless it complies with the established standards.

On May 29, 2006, the MHLW introduced the positive list system for agricultural chemicals in food.* Basically, all foods distributed in the Japanese marketplace are subject to regulation based

on the system.

This time the MHLW has newly established MRLs (draft) for some food commodities as well as has comprehensively reviewed the current MRLs. This activity is targeted to six pesticides (Ethiprole, Fenthion, Flubendiamide, Isoprothiolane, Mefenpyr-diethyl, Thiobencarb) and one veterinary drug (Carazolol). Details are given below.

Outline of revision

Ethiprole (insecticide): This chemical is already permitted for use in Japan. This time Ministry of Agriculture, Forestry and Fisheries (MAFF) is going to expand the scope of target crops for which the use of the chemical is permitted. In response to the MAFF's action, the MHLW has newly established MRLs (draft) for some crops.

Fenthion (insecticide): This chemical is already permitted for use in Japan. In response to a request from MAFF, the MHLW has newly established an MRL (draft) for the "fish and shellfish" category. In addition, the MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Flubendiamide (insecticide): This chemical is already permitted for use in Japan. This time MAFF is going to expand the scope of target crops for which the use of the chemical is permitted. In response to the MAFF's action, the MHLW has newly established MRLs (draft) for some crops. Also the MHLW has set import tolerances (draft) for some crops in response to a request from a foreign country 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).

Isoprothiolane (fungicide/drug for bovine liver disease): This chemical is already permitted for use in Japan. This time MAFF has decided to increase the residue limit for rice. In response to the MAFF's action, the MHLW has reviewed the current MRL.

Mefenpyr-diethyl (herbicide safener): This chemical is not permitted for use in Japan. The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

Thiobencarb (herbicide): This chemical is already permitted for use in Japan. This time MAFF has decided to increase the residue limits for fish and shellfish. In response to the MAFF's action, the MHLW has reviewed the current MRLs.

Carazolol (β -adrenoceptor-blocking agent): This chemical is not permitted for use in Japan. The MHLW has reviewed the MRLs that had been established at the introduction of the positive list system.

The current MRLs for Fenthion, Mefenpyr-diethyl, and Carazolol, appear in the Provisional MRLs List (Item 7, Section A "General Compositional Standards or Food," Part I "Food" of the Specifications and Standards for Food, Food Additives, Etc.). These MRLs have been modified as necessary. Finalized MRLs will be placed on the MRLs List (the Item 6) and the MRLs currently placed in Item 7 will be deleted.

Ethiprole

Commodity	MRL draft ppm	MRL current ppm
Rice (brown rice)	0.2	0.2
Soybeans, dry	0.2	0.2
Green soybeans	0.5	0.5
<i>Unshu</i> orange, pulp	0.1	
Citrus <i>natsudaikai</i> , whole	0.7	
Lemon	0.7	
Orange (including navel orange)	0.7	
Grapefruit	0.7	
Lime	0.7	
Other citrus fruits	0.7	
Apple	1	1
Japanese persimmon	0.2	
Tea	10	10
Other spices	3	
Fish and shellfish	0.09	0.09

* 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.

Fenthion

Commodity	MRL draft ppm	MRL current ppm
Rice (brown rice)	0.3	0.05
Corn (maize, including pop corn and sweet corn)		5
Soybeans, dry	0.05	0.02
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.	0.1	0.02
Potato	0.05	0.05
Sweet potato	0.1	0.02
Yam	0.2	0.02
Sugarcane	0.3	0.02
Tomato		5
Pimiento (sweet pepper)		5
Egg plant		5
Other solanaceous vegetables		5

Cucumber (including gherkin)		3
Pumpkin (including squash)		3
Oriental pickling melon (vegetable)		3
Water melon		3
Melons		3
<i>Makuwauri</i> melon		3
Other cucurbitaceous vegetables		3
Okra		5
Button mushroom		5
<i>Shiitake</i> mushroom		5
Other mushrooms		5
<i>Unshu</i> orange, pulp		2
Citrus <i>natsudaikai</i> , whole	2	2
Lemon	2	2
Orange (including navel orange)	2	2
Grapefruit	2	2
Lime	2	2
Other citrus fruits	2	2
Apple		2
Japanese pear		2
Pear		2
Quince		2
Loquat		2
Peach		5
Nectarine	1	5
Apricot		5
Japanese plum (including prune)	3	5
Mume plum		5
Cherry	2	2
Grape		2
Japanese persimmon	1	5
Banana		3
Kiwifruit	5	5
Papaya		5
Avocado	0.05	5
Pineapple		5
Guava		2
Mango	0.7	5
Passion fruit		5
Other fruits	1	1
Other spices		2
Cattle, muscle		0.6
Pig, muscle		0.5
Other terrestrial mammals, muscle		0.2

Cattle, fat		0.1
Pig, fat		0.1
Other terrestrial mammals, fat		0.2
Cattle, liver		0.6
Pig, liver		0.5
Other terrestrial mammals, liver		0.2
Cattle, kidney		0.6
Pig, kidney		0.5
Other terrestrial mammals, kidney		0.2
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.6
Pig, edible offal		0.5
Other terrestrial mammals, edible offal		0.2
Milk		0.2
Chicken, muscle		0.05
Other poultry animals, muscle		0.05
Chicken, fat		0.05
Other poultry animals, fat		0.05
Chicken, liver		0.05
Other poultry animals, liver		0.05
Chicken, kidney		0.05
Other poultry animals, kidney		0.05
Chicken, edible offal		0.05
Other poultry animals, edible offal		0.05
Chicken, eggs		0.05
Other poultry, eggs		0.05
Fish and shellfish	0.08	
Edible olive oil (virgin oil only)	1	1

The MRLs are expressed as the sum of fenthion, its oxygen analogue and their sulfoxides and sulfones, expressed as fenthion.

* Shaded figures indicate provisional MRLs.

* 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.

Flubendiamide

Commodity	MRL draft ppm	MRL current ppm
Corn (maize, including pop corn and sweet corn)	0.02	

Soybeans, dry	0.3	0.3
Potato	0.05	
Taro	0.05	
Sweet potato	0.05	
Japanese radish, roots (including radish)	0.1	0.03
Japanese radish, leaves (including radish)	10	10
Chinese cabbage	5	5
Cabbage	3	3
Cauliflower	0.6	
Broccoli	5	
Lettuce (including cos lettuce and leaf lettuce)	15	15
Welsh (including leek)	3	3
Asparagus	1	
Celery	5	
Tomato	1	0.7
Pimiento (sweet pepper)	3	3
Egg plant	1	1
Cucumber (including gherkin)	0.7	0.7
Pumpkin (including squash)	0.2	
Water melon	0.05	
Melons	0.02	
Green soybeans	5	
Apple	1	1
Japanese pear	1	1
Pear	1	1
Peach	0.05	0.05
Nectarine	1	1
Apricot	2	
Japanese plum (including prune)	2	
Cherry	2	2
Strawberry	2	2
Grape	2	2
Japanese persimmon	0.3	
Cotton seeds	0.9	
Chestnut	0.06	
Pecan	0.06	
Almond	0.06	
Walnut	0.06	
Tea	40	40
Other herbs	5	

* 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.

Isoprothiolane

Commodity	MRL draft ppm	MRL current ppm
Rice (brown rice)	10	2
Apple	0.05	0.05
Japanese pear	0.05	0.05
Pear	0.05	0.05
Loquat	0.02	0.02
Peach	0.02	0.02
Mume plum	0.03	0.03
Grape	0.02	0.02
Cattle, muscle	0.02	0.02
Cattle, fat	0.02	0.02
Cattle, liver	0.02	0.02
Cattle, kidney	0.02	0.02
Cattle, edible offal (“Edible offal” refers to all edible parts, except muscle, fat, liver, and kidney)	0.02	0.02
Milk	0.02	0.02
Fish and shellfish	3	3

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

Mefenpyr-diethyl

Commodity	MRL draft ppm	MRL current ppm
Rice (brown rice)		0.01
Wheat	0.05	0.03
Barley	0.05	0.03
Rye	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
Cattle, muscle		0.05
Pig, muscle		0.05
Other terrestrial mammals, muscle		0.05
Cattle, fat		0.05
Pig, fat		0.05
Other terrestrial mammals, fat		0.05
Cattle, liver		0.08
Pig, liver		0.08
Other terrestrial mammals, liver		0.08
Cattle, kidney		0.08
Pig, kidney		0.08

Other terrestrial mammals, kidney		0.08
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.08
Pig, edible offal		0.08
Other terrestrial mammals, edible offal		0.08
Milk		0.01
Chicken, muscle		0.05
Other poultry animals, muscle		0.05
Chicken, fat		0.05
Other poultry animals, fat		0.05
Chicken, liver		0.05
Other poultry animals, liver		0.05
Chicken, kidney		0.05
Other poultry animals, kidney		0.05
Chicken, edible offal		0.05
Other poultry animals, edible offal		0.05
Chicken, eggs		0.01
Other poultry, eggs		0.01

* Shaded figures indicate provisional MRLs.

* 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.

Thiobencarb

Commodity	MRL draft ppm	MRL current ppm
Rice (brown rice)	0.2	0.2
Wheat	0.05	0.05
Barley	0.05	0.05
Rye	0.05	0.05
Corn (maize, including pop corn and sweet corn)	0.03	0.03
Other cereal grains	0.05	0.05
Soybeans, dry	0.02	0.02
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.	0.1	0.1
Peanuts, dry	0.05	0.05
Potato	0.02	0.02
Taro	0.05	0.05
Endive	0.05	0.05
Lettuce (including cos lettuce and leaf lettuce)	0.2	0.2
Onion	0.02	0.02

Welsh (including leek)	0.02	0.02
Carrot	0.02	0.02
Celery	0.2	0.2
Green soy beans	0.03	0.03
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 ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)	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	0.03	0.03
Other poultry animals, muscle	0.03	0.03
Chicken, fat	0.03	0.03
Other poultry animals, fat	0.03	0.03
Chicken, liver	0.03	0.03
Other poultry animals, liver	0.03	0.03
Chicken, kidney	0.03	0.03
Other poultry animals, kidney	0.03	0.03
Chicken, edible offal	0.03	0.03
Other poultry animals, edible offal	0.03	0.03
Chicken, eggs	0.03	0.03
Other poultry, eggs	0.03	0.03
Shelled molluscas	9	0.5
Fish	0.3	0.02

* 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.

Carazolol

Commodity	MRL draft ppm	MRL current ppm
Cattle, muscle	0.005	0.005
Pig, muscle	0.005	0.005

Other terrestrial mammals, muscle		0.001
Cattle, fat	0.005	0.005
Pig, fat	0.005	0.005
Other terrestrial mammals, fat		0.001
Cattle, liver		0.02
Pig, liver	0.025	0.025
Other terrestrial mammals, liver		0.001
Cattle, kidney		0.02
Pig, kidney	0.025	0.025
Other terrestrial mammals, kidney		0.001
Cattle, edible offal ("Edible offal" refers to all edible parts, except muscle, fat, liver, and kidney)		0.02
Pig, edible offal	0.025	0.03
Other terrestrial mammals, edible offal		0.001
Milk	0.001	0.001
Chicken, muscle		0.001
Other poultry animals, muscle		0.001
Chicken, fat		0.001
Other poultry animals, fat		0.001
Chicken, liver		0.001
Other poultry animal, liver		0.001
Chicken, kidney		0.001
Other poultry animal, kidney		0.001
Chicken, edible offal		0.001
Other poultry animal, edible offal		0.001
Chicken, eggs		0.001
Other poultry, eggs		0.001
Salmoniformes (such as salmon and trout)		0.001
Anguilliformes (such as eel)		0.001
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)		0.001
Other fish		0.001
Shelled molluscas		0.001
Crustaceans		0.001
Other aquatic animals		0.001
Honey (including royal-jelly)		0.001

* Shaded figures indicate provisional MRLs.

* 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.

Notes:

"Other cereal grains" refers to all cereal grains, except rice (brown rice), wheat, barley, rye,

corn (maize), and buckwheat.

“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.

“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.