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MRLs for Ethoprophos Chlorethoxyfos Spinetoram Tribufos Fludioxonil

Report Categories:

Sanitary/Phytosanitary/Food Safety

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Report Highlights:

On August 10, 2010, Government of Japan announced proposed changes to the MRLs for Ethoprophos, Chlorethoxyfos, Spinetoram, Tribufos and Fludioxonil. The comment period will close on August 24, 2010. After the domestic comment period closes, MHLW will then notify these proposed changes to the WTO/SPS committee, which will provide another chance for public comments to be submitted on this subject.

General Information:

Summary

On August 10, 2010, Government of Japan announced proposed changes to the MRLs for Ethoprophos, Chlorethoxyfos, Spinetoram, Tribufos and Fludioxonil. Regarding Fludioxonil, please note that the food additive designation of this chemical is also in the approval process (GAIN report JA0021). The period for sending comments on these changes ends August 24, 2010. If you have comments it is best to send them directly to MHLW as soon as possible. However, MHLW will also notify these proposed changes to the WTO/SPS committee, which will provide another chance for public comments to be submitted on this subject. 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

After the closing of a the comment period in the WTO, a final report will be made based on the conclusions of a session of the Pharmaceutical Affairs and Food Sanitation Council slated to be held at a later date; this will constitute the final decision.

The comments to GOJ can be either Japanese or English.

If you have comments, please send them directly to the Japanese Government at:

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Please also consider copying the U.S. Embassy, Tokyo at agtokyo@usda.gov on your comments in order for them to be considered as part of the official U.S. Government comments to the WTO.

Pesticides and Other Contaminants:**Establishment of Maximum Residue Limits for Agricultural Chemicals in Food**

Summary

The Ministry of Health, Labor and Welfare (MHLW) is develops the compositional specifications for food.

Under the provisions of Article 11, Paragraph 1 of the Food Sanitation Law, 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 this system.

MHLW has newly established MRLs (draft) for some food commodities as well as has comprehensively reviewed the current MRLs. This activity is targeted at five chemicals: Ethoprophos, Chlorethoxyfos, Fludioxonil, Spinetoram, and Tribufos. Details are given below.

Note: The positive list system was established based on the 2003 amendment of the Food Sanitation Law. The system aims to prohibit the distribution of any food in the Japanese marketplace if it contains agricultural chemicals at amounts exceeding a certain level (0.01 ppm) specified under the Law.

Outline of revision

Ethoprophos (insecticide): This chemical is not permitted for use in Japan. The MHLW has reviewed the MRLs for some food commodities that had been established at the introduction of the positive list system.

Chlorethoxyfos (insecticide): This chemical is not permitted for use in Japan. The MHLW has reviewed the MRLs for some food commodities that had been established at the introduction of the positive list system.

Spinetoram (insecticide): This chemical is not permitted for use in Japan. This time the Ministry of Agriculture, Forestry and Fisheries (MAFF) has decided to register this chemical under the Agricultural Chemicals Regulation Law as an approved pesticide. In addition, an application has been filed with the MHLW, requesting the establishment of import tolerances based on the Guideline for Application for Establishment and Revision of Maximum Residue Limits for Agricultural Chemicals Used outside Japan, published on 5 February 2004. In response to the MAFF's action and the

application, the MHLW has newly established MRLs (draft) for some food commodities.

Tribufos (plant growth regulator): This chemical is not permitted for use in Japan. The MHLW has reviewed the MRLs for some food commodities that had been established at the introduction of the positive list system.

Fludioxonil (fungicide): This chemical is already permitted for use in Japan. The MHLW has reviewed the MRLs for some food commodities that had been established at the introduction of the positive list system.

The current MRLs for Ethoprophos, Chlorethoxyfos, Tribufos, and Fludioxonil appear in the Provisional MRLs List (the Item 7, Section A “General Compositional Standards for 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 tem 6) and the MRLs currently placed in Item 7 will be deleted.

Ethoprophos

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)		0.005
Wheat		0.005
Barley		0.005
Rye		0.005
Corn (maize, including pop corn and sweet corn)		0.02
Buckwheat		0.005
Other cereal grains		0.005
Soybeans, dry		0.02
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.		0.02
Peas		0.005
Broad beans		0.005
Peanuts, dry		0.02
Other legumes/pulses		0.005
Potato	0.05	0.02
Taro		0.005
Sweet potato	0.05	0.02
Yam		0.005
Konjac		0.005

Other potatoes		0.005
Sugar beet		0.02
Sugarcane	0.02	0.02
Japanese radish, roots (including radish)		0.005
Japanese radish, leaves (including radish)		0.005
Turnip, roots (including rutabaga)	0.02	0.02
Turnip, leaves (including rutabaga)		0.005
Horseradish		0.005
Watercress		0.005
Chinese cabbage		0.005
Cabbage		0.02
Brussels sprouts		0.02
Kale		0.005
<i>Komatsuna</i> (Japanese mustard spinach)		0.005
<i>Kyona</i>		0.005
Qing-geng-cai		0.005
Cauliflower		0.005
Broccoli		0.005
Other cruciferous vegetables		0.005
Burdock		0.005
Salsify		0.005
Artichoke		0.005
Chicory		0.005
Endive		0.005
<i>Shungiku</i>		0.005
Lettuce (including cos lettuce and leaf lettuce)		0.02
Onion		0.02
Welsh (including leek)		0.005
Garlic		0.005
<i>Nira</i>		0.005
Asparagus		0.005
Multiplying onion (including shallot)		0.005
Other liliaceous vegetables		0.005
Carrot		0.005
Parsnip		0.005
Parsley		0.005
Celery		0.005
<i>Mitsuba</i>		0.005
Other umbelliferous vegetables		0.005
Tomato	0.01	0.02
Pimiento (sweet pepper)	0.05	0.02
Egg plant		0.005
Other solanaceous vegetables		0.02
Cucumber (including gherkin)	0.01	0.02

Pumpkin (including squash)		0.005
Oriental pickling melon (vegetable)		0.005
Water melon		0.1
Melons	0.02	0.02
<i>Makuwauri</i> melon		0.02
Other cucurbitaceous vegetables		0.005
Spinach		0.005
Bamboo shoots		0.005
Okra		0.005
Ginger		0.005
Peas, immature (with pods)		0.02
Kidney beans, immature (with pods)		0.02
Green soybeans		0.005
Button mushroom		0.005
<i>Shiitake</i> mushroom		0.005
Other mushrooms		0.005
Other vegetables		0.02
<i>Unshu</i> orange, pulp		0.005
Citrus <i>natsudaidai</i> , whole		0.005
Lemon		0.005
Orange (including navel orange)		0.005
Grapefruit		0.005
Lime		0.005
Other citrus fruits		0.005
Apple		0.005
Japanese pear		0.005
Pear		0.005
Quince		0.005
Loquat		0.1
Peach		0.1
Nectarine		0.005
Apricot		0.005
Japanese plum (including prune)		0.005
Mume plum		0.005
Cherry		0.005
Strawberry	0.02	0.02
Raspberry		0.005
Blackberry		0.005
Blueberry		0.005
Cranberry		0.005
Huckleberry		0.005
Other berries		0.005
Grape		0.02
Japanese persimmon		0.005

Banana	0.02	0.02
Kiwifruit		0.1
Papaya		0.005
Avocado		0.005
Pineapple		0.02
Guava		0.005
Mango		0.005
Passion fruit		0.005
Date		0.005
Other fruits		0.02
Sunflower seeds		0.005
Sesame seeds		0.005
Safflower seeds		0.005
Cotton seeds		0.005
Rapeseeds		0.005
Other oil seeds		0.005
Ginkgo nut		0.005
Chestnut		0.005
Pecan		0.005
Almond		0.005
Walnut		0.005
Other nuts		0.005
Tea		0.005
Coffee beans		0.005
Cacao beans		0.005
Hop		0.005
Other spices		0.02
Other herbs	0.02	0.02
Cattle, muscle		0.01
Pig, muscle		0.01
Other terrestrial mammals, muscle		0.01
Cattle, fat		0.01
Pig, fat		0.01
Other terrestrial mammals, fat		0.01
Cattle, liver		0.01
Pig, liver		0.01
Other terrestrial mammals, liver		0.01
Cattle, kidney		0.01
Pig, kidney		0.01
Other terrestrial mammals, kidney		0.01
Cattle, edible offal (“Edible offal” refers to all edible parts, except muscle, fat, liver, and kidney)		0.01
Pig, edible offal		0.01
Other terrestrial mammals, edible offal		0.01

Milk		0.01
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* 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.

Chlorethoxyfos

Commodity	MRL (draft) ppm	MRL (current) ppm
Corn (maize, including pop corn and sweet corn)		0.01
Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.		0.1
Other vegetables		0.1
Other spices		0.1
Other herbs		0.1

* 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.

Spinetoram

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)	0.1	
Cabbage	0.5	
Lettuce (including cos lettuce and leaf lettuce)	10	
Welsh (including leek)	0.5	
Tomato	0.7	
Egg plant	0.2	
Lemon	0.3	
Orange (including navel orange)	0.3	
Grapefruit	0.3	
Lime	0.3	
Other citrus fruits	0.3	
Apple	0.5	

Japanese pear	0.5	
Pear	0.5	
Quince	0.2	
Peach	0.1	
Strawberry	2	
Other fruits	0.2	
Ginkgo nut	0.01	
Chestnut	0.01	
Pecan	0.01	
Almond	0.01	
Walnut	0.01	
Other nuts	0.01	
Tea	3	
Cattle, muscle	0.01	
Pig, muscle	0.01	
Other terrestrial mammals, muscle	0.01	
Cattle, fat	0.2	
Pig, fat	0.2	
Other terrestrial mammals, fat	0.2	
Milk	0.01	

* 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.

Tribufos

Commodity	MRL (draft) ppm	MRL (current) ppm
Cotton seeds	4	4
Cattle, muscle	0.02	0.02
Pig, muscle	0.02	0.002
Other terrestrial mammals, muscle	0.02	0.02
Cattle, fat	0.15	0.02
Pig, fat	0.15	0.002
Other terrestrial mammals, fat	0.15	0.02
Cattle, liver	0.02	0.02
Pig, liver	0.02	0.002
Other terrestrial mammals, liver	0.02	0.02
Cattle, kidney	0.02	0.02
Pig, kidney	0.02	0.002
Other terrestrial mammals, 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
Pig, edible offal	0.02	0.002

Other terrestrial mammals, edible offal	0.02	0.02
Milk	0.01	0.002
Chicken, muscle		0.002
Other poultry animals, muscle		0.002
Chicken, fat		0.002
Other poultry animals, fat		0.002
Chicken, liver		0.002
Other poultry animals, liver		0.002
Chicken, kidney		0.002
Other poultry animals, kidney		0.002
Chicken, edible offal		0.002
Other poultry animals, edible offal		0.002
Chicken, eggs		0.002
Other poultry, eggs		0.002
Salmoniformes (such as salmon and trout)		0.002
Anguilliformes (such as eel)		0.002
Perciformes (such as bonito, horse mackerel, mackerel, sea bass, sea bream and tuna)		0.002
Other fish		0.002
Shelled molluscas		0.002
Crustaceans		0.002
Other aquatic animals (all aquatic animal, except fish, crustaceans and shelled molluscs)		0.002
Honey (including royal-jelly)		0.002

* 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.

Fludioxonil

Commodity	MRL (draft) ppm	MRL (current) ppm
Rice (brown rice)	0.05	0.02
Wheat	0.05	0.02
Barley	0.05	0.02
Rye	0.05	0.02
Corn (maize, including pop corn and sweet corn)	0.01	0.02
Buckwheat	0.05	0.02
Other cereal grains	0.05	0.02
Soybeans, dry	0.07	0.1

Beans, dry (including butter beans, cowbeans (red beans), lentil, lima beans, pegia, sultani, sultapya, and white beans.	0.2	0.2
Peas	0.3	0.1
Broad beans	0.07	0.1
Peanuts, dry	0.3	0.1
Other legumes/pulses	0.07	0.1
Potato	0.02	0.02
Taro	0.02	0.02
Sweet potato		0.02
Yam		8
Other potatoes	0.02	0.02
Sugar beet		0.02
Japanese radish, roots (including radish)	0.5	0.02
Japanese radish, leaves (including radish)	20	2
Turnip, roots (including rutabaga)	0.5	0.02
Turnip, leaves (including rutabaga)	20	2
Horseradish	0.5	0.02
Watercress	10	10
Chinese cabbage	2.0	1
Cabbage	2	2
Brussels sprouts	2.0	2
Kale	10	2
<i>Komatsuna</i> (Japanese mustard spinach)	10	2
<i>Kyona</i>	10	2
Qing-geng-cai	10	2
Cauliflower	2.0	2
Broccoli	2.0	0.7
Other cruciferous vegetables	10	10
Burdock	0.5	0.02
Salsify	0.5	0.02
Artichoke		2
Chicory	20	2
Endive	30	2
<i>Shungiku</i>	30	2
Lettuce (including cos lettuce and leaf lettuce)	30	1
Other composite vegetables	2	2
Onion	0.5	0.1
Welsh (including leek)	7.0	5
Garlic	0.2	0.1
<i>Nira</i>	10	10
Asparagus		2
Multiplying onion (including shallot)	0.2	2
Other liliaceous vegetables	10	2
Carrot	0.7	0.7
Parsnip	0.5	0.02
Parsley	10	2

Celery		2
<i>Mitsuba</i>		2
Other umbelliferous vegetables	20	2
Tomato	2	2
Pimiento (sweet pepper)	1	0.01
Egg plant	1	2
Other solanaceous vegetables	0.5	1
Cucumber (including gherkin)	2	2
Pumpkin (including squash)	0.3	2
Oriental pickling melon (vegetable)	0.45	2
Water melon		0.03
Melons		0.03
<i>Makuwauri</i> melon		0.03
Other cucurbitaceous vegetables	0.45	2
Spinach	0.02	2
Ginger	0.02	0.02
Peas, immature (with pods)	5	5
Kidney beans, immature (with pods)	5	5
Green soybeans	5	5
Other vegetables	10	10
<i>Unshu</i> orange, pulp	0.1	0.1
Citrus <i>natsudaikai</i> , whole	10	1
Lemon	10	10
Orange (including navel orange)	10	1
Grapefruit	10	10
Lime	10	1
Other citrus fruits	10	1
Apple ¹	5.0	5
Japanese pear		5
Pear ¹	5.0	5
Quince ¹	5.0	5
Loquat ¹	5.0	5
Peach ²	5.0	0.5
Nectarine ²	5.0	0.5
Apricot ²	5.0	0.5
Japanese plum (including prune) ²	5.0	0.5
Mume plum	0.5	0.5
Cherry ²	5.0	0.5
Strawberry	5	5
Raspberry	5	5
Blackberry	5	5
Blueberry	2	2
Cranberry		5
Huckleberry	2.0	5
Other berries	5.0	5
Grape	5	5

Kiwifruit ¹	20	20
Date		5
Other fruits ³	5.0	5
Sunflower seeds		0.01
Safflower seeds		0.01
Cotton seeds	0.05	0.05
Rapeseeds	0.02	0.02
Other oil seeds	0.05	0.05
Other nuts	0.2	0.2
Other spices	10	10
Other herbs	50	10
Cattle, muscle	0.01	0.01
Pig, muscle	0.01	0.01
Other terrestrial mammals, muscle	0.01	0.01
Cattle, fat	0.05	0.05
Pig, fat	0.05	0.05
Other terrestrial mammals, fat	0.05	0.05
Cattle, liver	0.05	0.05
Pig, liver	0.05	0.05
Other terrestrial mammals, liver	0.05	0.05
Cattle, kidney	0.05	0.05
Pig, kidney	0.05	0.05
Other terrestrial mammals, kidney	0.05	0.05
Cattle, edible offal (“Edible offal” refers to all edible parts, except muscle, fat, liver, and kidney)	0.05	0.05
Pig, edible offal	0.05	0.05
Other terrestrial mammals, edible offal	0.05	0.05
Milk	0.01	0.01
Chicken, muscle	0.01	0.01
Other poultry animals, muscle	0.01	0.01
Chicken, fat	0.05	0.01
Other poultry animals, fat	0.05	0.01
Chicken, liver	0.05	0.05
Other poultry animals, liver	0.05	0.05
Chicken, kidney	0.05	0.05
Other poultry animals, kidney	0.05	0.05
Chicken, edible offal	0.05	0.05
Other poultry animals, edible offal	0.05	0.05
Chicken, eggs	0.05	0.05
Other poultry, eggs	0.05	0.05
Nira, dry	50	50
Bsil, dry	50	50

* For livestock products, the MRLs for fludioxonil are established as the sum of fludioxonil and its benzopyrrole metabolites, determined as 2,2-difluoro-benzo[1,3]dioxole-4-carboxylic acid and

expressed as fludioxonil. For other food commodities, the MRLs are established for the parent compound fludioxonil only.

* 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.

1. The MRLs for apple, pear, quince, loquat, and kiwifruit are applied to the whole fruit.
2. The MRLs for peach, nectarine, apricot, Japanese plum, and cherry are applied to the whole fruit from which the stone is removed.
3. The "other fruits" category for fludioxonil covers pomegranate only.

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.