Revision of maximum residue limits & Current status of the relevant regulation

November 30, 2020

Residues and Contaminants Standards Division, MFDS

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식품의약품안전처

국민의 더 건강한 내일을 위한 정부혁신 보다나은 식약처

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1 System of MRL setting

Regulation

◎ Food Sanitation Act

- Article 7 (Standards and Specifications concerning Foods or Food Additives)
- Article 7-3 (Request, etc. for Establishment of Maximum Residue Limit of Pesticides, etc.)

◎ Enforcement Rule of Food Sanitation Act

- Paragraph 2, Article 5 (Establishment of MRLs of Pesticides or Veterinary Drugs in Food)
- Paragraph 3, Article 5 (Revision of MRLs, etc.)

Regulation

◎ Food Code(MFDS Notice)

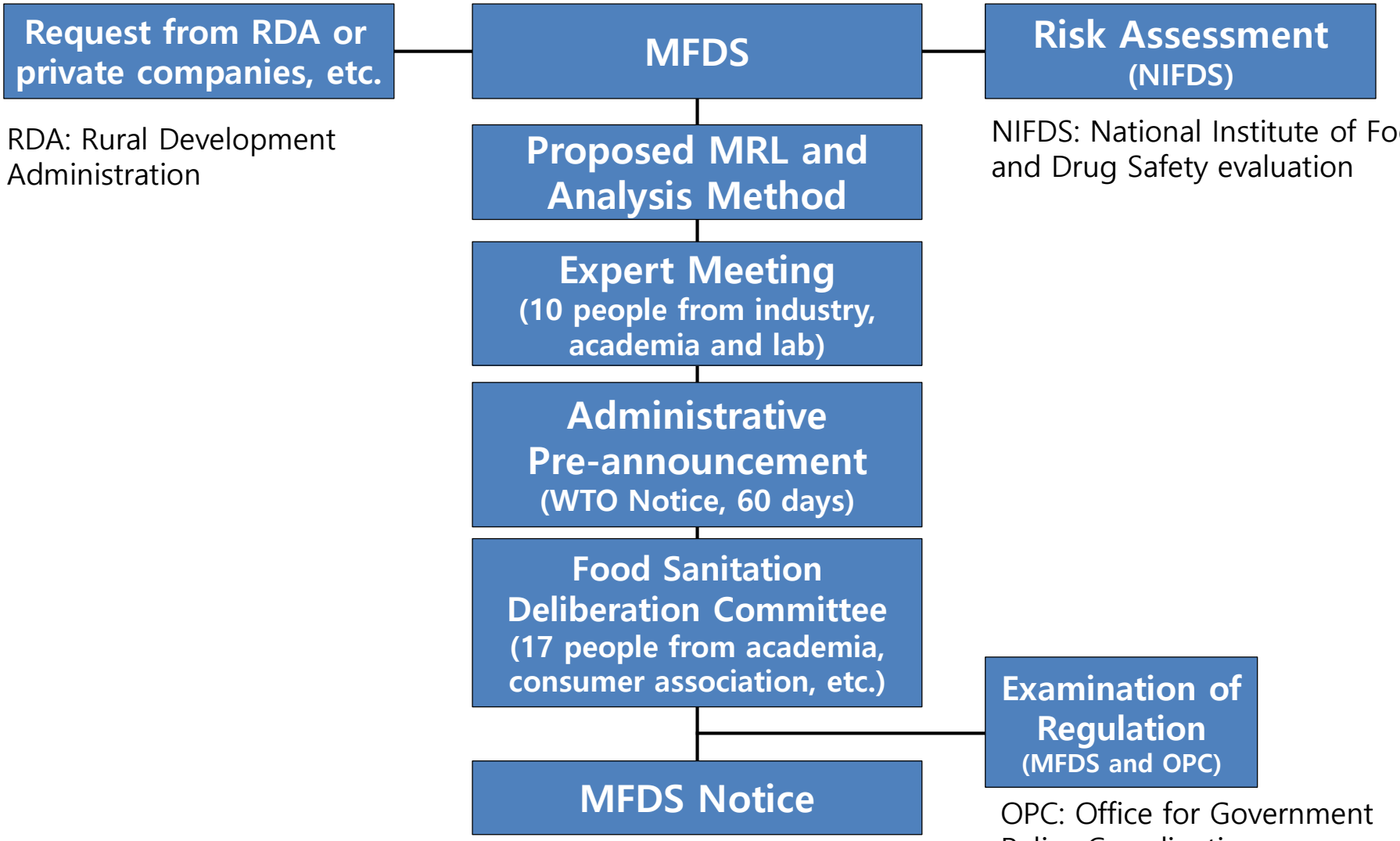
- [Annex 4] MRLs of Pesticide on Agricultural Commodities
- [Annex 7] Guidelines on Setting Maximum Residue Limits for Pesticide and Veterinary Drug in Food

MFDS Notice No. 2020-98(October 16, 2020)

Agricultural Products

- 13,783 MRLs on 287 commodities
- 514 Pesticides

Procedure

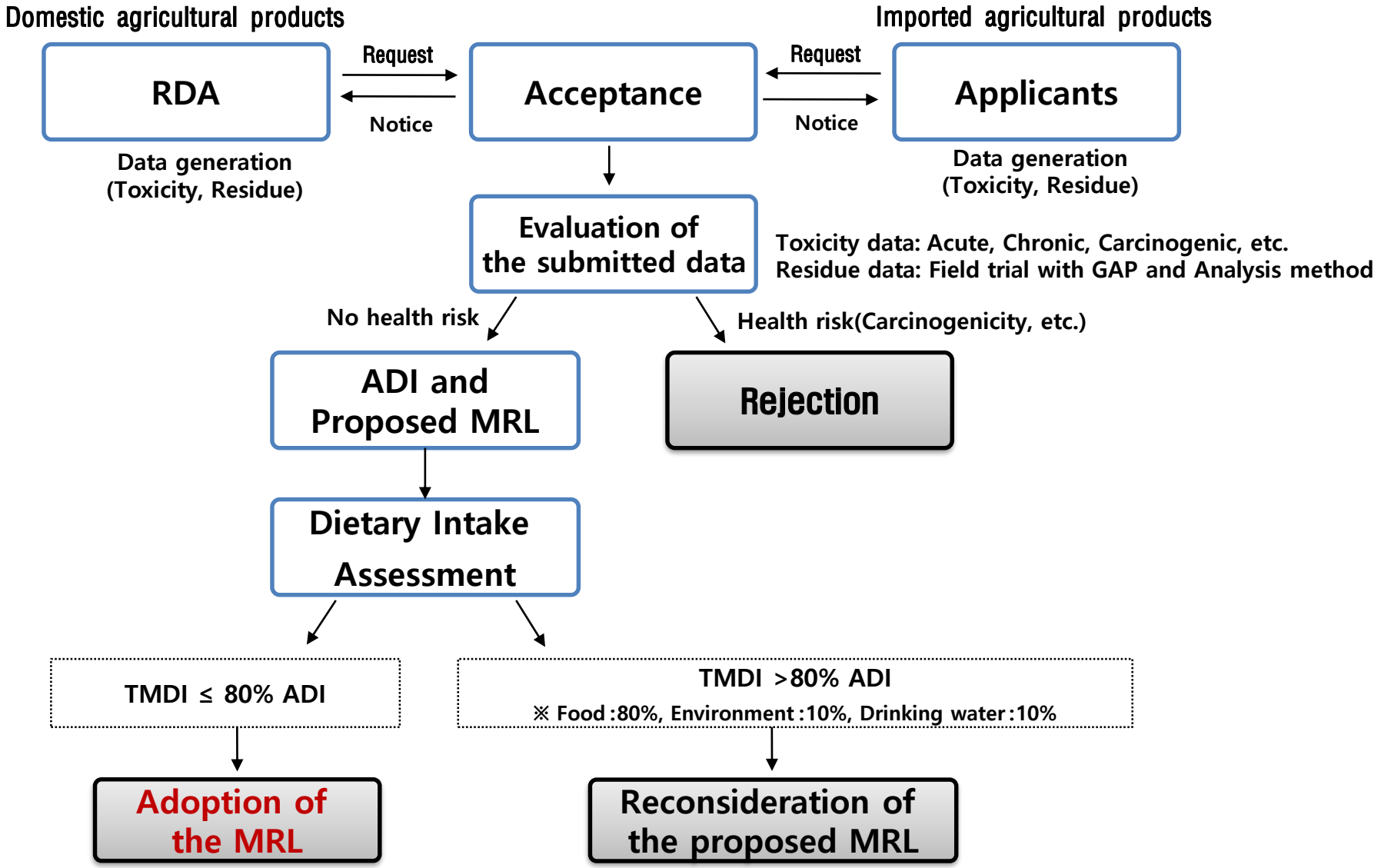


RDA: Rural Development Administration

NIFDS: National Institute of Food and Drug Safety evaluation

OPC: Office for Government Policy Coordination

Procedure


Domestic agricultural products
Imported agricultural products
RDA
Request
Notice
Acceptance
Request
Notice
Applicants
Data generation
(Toxicity, Residue)
Data generation
(Toxicity, Residue)
Evaluation of
the submitted data
Toxicity data: Acute, Chronic, Carcinogenic, etc.
Residue data: Field trial with GAP and Analysis method
No health risk
Health risk(Carcinogenicity, etc.)
ADI and
Proposed MRL
Rejection
Dietary Intake
Assessment
TMDI ≤ 80% ADI
TMDI >80% ADI
※ Food :80%, Environment :10%, Drinking water :10%
Adoption of
the MRL
Reconsideration of
the proposed MRL

Principle

◎ MRLs are set at the levels which

- Pose no risk to public health even though people consume residues in food for life
- Allow distribution of agricultural products grown according to pesticide use in GAP

◎ Foods from Domestic Farms(Domestic Foods)

- Pesticide registered under Pesticide Control Act

◎ Foods from Other Countries(Imported Foods)

- Pesticide registered under the relevant regulations of the exporting countries
- Submission of toxicology and residue data

Scope

◎ Pesticides allowed under the Pesticide Control Act

- Pesticides registered for use in domestic farms
- Pesticides undergoing registration process

◎ Import Tolerance(IT)

- Pesticides registered with the exporting countries

◎ Extraneous Maximum Residue Limits(EMRL)

- Pesticides that are no longer approved for agricultural use because of the threats to human health and the environment yet their residues are still remaining in the environment (DDT, Endosulfan, etc.)

Maximum Residue Limits in Food Code

(165) 펜뷰코나졸(Fenbuconazole) ADI : 0.03 mg/kg b.w./day

◎ 잔류물의 정의(Residue definition) : Fenbuconazole

감(Persimmon)	0.3	보리(Barley)	0.2[T]	오미자(건조)(Schisandraberry(Dried))	3.0
감귤류(Citrus fruits)	0.5[†]	복숭아(Peach)	2.0	오이(Cucumber)	0.3
고추(Chili pepper)	0.5	블루베리(Blueberry)	0.5[T]	참외(Korean Melon)	0.2
딸기(Strawberry)	0.5	비름나물(Amaranth leaves)	3.0[T]	체리(Cherry)	20[T]
땅콩(Peanut)	0.1[T]	사과(Apple)	0.7	취나물(Chwinamul)	30[T]
레몬(Lemon)	1.0[†]	살구(Apricot)	2.0[T]	크랜베리(Cranberry)	1.0[T]
매실(Japanese apricot)	2.0	석류(Pomegranate)	0.3[T]	토마토(Tomato)	0.5
무(잎)(Radish(Leaves))	3.0[T]	수박(Watermelon)	0.2	포도(Grape)	1.0[T]
밀(Wheat)	0.1[†]	쌀(Rice)	0.05	피망(Sweet pepper)	0.5
바나나(Banana)	0.02[†]	쑥갓(Crown Daisy)	3.0[T]	피칸(Pecan)	0.1[T]
배(Pear)	0.5	오미자(Schisandraberry)	3.0		

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MFDS Notice and Administrative pre-announcement

Contents

MFDS Notice(No. 2020-70, August 4, 2020)

(Relevant Documents : Administrative Pre-announcement No. 2020-163(April 20, 2020), WTO Notice G/SPS/N/KOR/682)

<Relaxed Regulation>

- **Newly set/revised MRLs (363) and revoked MRLs (4) for Domestic Foods**
  - 109 Pesticides including Abamectin in Domestic Agricultural Products
- **15 MRLs for Imported Foods (4 MRLs revoked)**
  - 12 Pesticides including Abamectin in Imported Agricultural Products
- **Establishment and Revision of Analytical Methods**
  - New methods for Flometoquin and Oxytetracycline Residues
  - A revised multi-residue analysis method for 5 pesticides including Dimethipin
  - Revised methods for Dithianon and Fluoroimide

MFDS Notice(No. 2020-70, August 4, 2020)

Domestic Foods: Newly set/revised MRLs for 109 pesticides

(mg/kg)

Abamectin	Orange 0.02[T] → 0.05, Yuja 0.02[T] → 0.05, Carrot, Sesame seed, Grape 0.05, Pumpkin leaves 3.0
Acequinocyl	Japanese apricot, Schisandraberry 3.0
Acetamiprid	Lettuce(leaves) 5.0 → 15, Lettuce(head) 10 → 15, Bellflower, chinese 0.05
Azoxystrobin	Kimchi cabbage 0.05 → 2.0, Cabbage, head 0.05[T] → 0.05, Chinese chives, Ssam cabbage 7.0
Benalaxyl	Shepherd's purse 0.07, Rucola, Chinese chives, Broccoli, Turnip rape, Spinach, Cabbage, head 0.05, Lettuce(leaves), Lettuce(head) 0.2
Benthiavalicarb-isopropyl	Radish(root) 0.1, Radish(leaves) 20, Cabbage, head 0.2
Bifenazate	Blueberry 1.0[T] → 1.5
Bifenthrin	Apricot 0.1[T] → 0.3, Cherry 0.1[T] → 0.5, Mango 0.2
Boscalid	Carrot 0.05[T] → 0.05, Godeulppaegi 0.05
Buprofezin	Fresh Ginseng 0.07 → 0.2, Dried ginseng 0.4
Cadusafos	Apricot 0.05[T] → 0.05, Celery 0.02[T] → 0.05, Lettuce(head) 0.05[T] → 0.1, Lettuce(leaves) 0.1, Onion(bulb) 0.05

MFDS Notice(No. 2020-70, August 4, 2020)

(mg/kg)

Carbendazim	Beet(root) 0.05^{T} → 0.1
Cartap	Melon 0.2
Chlorantraniliprole	Oyster mushroom 0.05^{T} → 0.2, Pumpkin leaves 7.0 → 15
Chlorfenapyr	Oyster mushroom 0.05^{T} → 0.05, Burdock 0.1^{T} → 0.15, Kiwifruit 0.1^{T} → 0.7
Chlorfluazuron	Pomegranate 0.1^{T} → 0.2, Japanese apricot, Apricot 0.4, Quince 0.2, Pea, Plum 0.05
⋮	⋮
Spinetoram	Lemon 0.05^{T} → 0.05, Pumpkin leaves 3.0 → 5.0, Aronia 0.2, Yuja 0.05
Spiromesifen	Mango 0.05^{T} → 0.3, Aronia 1.0^{T} → 1.5
Spirotetramat	Stalk and stem vegetables 3.0
Sulfoxaflor	Oat 0.08^{T} → 0.2, Pumpkin leaves 10 → 15
Tebuconazole	Apricot 2.0^{T} → 3.0, Barley 0.3, Nanking Cherry 3.0, Sesame seed 0.2

MFDS Notice(No. 2020-70, August 4, 2020)

(mg/kg)

Tebufenozide	Japanese apricot 1.0^{T} → 1.5, Apricot 1.0^{T} → 1.5, Potato 0.05
Tebupirimfos	Sweet Potato Vines 0.05^{T} → 0.05, Shinsuncho 0.05^{T} → 0.2
Tefluthrin	Sweet Potato Vines 0.05^{T} → 0.05, Rucola, Lettuce(leaves), Shinsuncho, Lettuce(head) 0.05
Terbufos	Soybean 0.05^{T} → 0.05, Celery 0.05^{T} → 0.2, Rucola, Beans and peas with pods 0.05
Tetraniliprole	Stalk and stem vegetables 2.0, Leafy vegetables 5.0
Thiacloprid	Mustard Leaf 0.5^{T} → 20, Amaranth leaves 5.0^{T} → 20, Kiwifruit 0.2^{T} → 0.7, Rape leaves 20
Thifluzamide	Carrot 0.05^{T} → 0.05
Tiafenacil	Sweet Potato, Sweet Potato Vines, Carrot, Radish(root), Radish(leaves), Watermelon 0.05
Triticonazole	Rice 0.05
Validamycin A	Coriander leaves 3.0, Green garlic 1.0
Valifenalate	White-flower gourd 0.2, Chinese chives 20, Leafy vegetables 7.0 Stalk and stem vegetables 0.7, Tomato 1.0, Squash/Pumpkin 0.2

MFDS Notice(No. 2020-70, August 4, 2020)

Imported Foods: Newly set/revised MRLs for 12 pesticides

(mg/kg)

Abamectin	Hop 0.15^{T} → 0.15†
Clopyralid	Oat 3.0†
Cyprodinil	Cherry 2.0^{T} → 2.0†
Difenoconazole	Mung bean 0.05, Soybean 0.15†, Chick-pea 0.07† Deleted, Blueberry 4.0^{T} → 4.0†, Pulses 0.15†
Fenpropathrin	Strawberry 0.5 → 2.0†, Plum 1.0†
Flutianil	Cherry 0.4†
Metrafenone	Hop 70^{T} → 70†
Pendimethalin	Hop 0.05^{T} → 0.05†
Piperonyl butoxide	Barley 15† Deleted, Wheat 0.2^{T} → 20†, Cereal Grains(excluding Rice) 20†
Quinoxyfen	Grape 2.0^{T} → 2.0†
Spinosad	Onion(bulb) 0.07†
Teflubenzuron	Coffee bean 0.3†

MFDS Notice(No. 2020-98, October 16, 2020)

(Relevant Documents : Administrative Pre-announcement No. 2020-265 (June 29, 2020)
WTO Notice G/SPS/N/KOR/687)

<Relaxed Regulation>

- **Newly set/revised MRLs (425) and revoked MRLs (1) for Domestic Foods**
  - 122 Pesticides including 2,4-D in Domestic Agricultural Products
- **Newly set/revised MRLs(39) and revoked MRLs(2) for Imported Foods**
  - 11 Pesticides including Afidopyropen in Imported Agricultural Products
- **Establishment and Revision of Analysis Methods**
  - New methods for Acynonapyr and Afidopyropen Residues

MFDS Notice(No. 2020-98, October 16, 2020)

Domestic Foods: newly set/revised MRLs for 122 pesticides

(mg/kg)

2,4-D	Job's tear 0.05
Abamectin	Mango 0.05
Acequinocyl	Perilla seed 0.3
Acetamiprid	Pine nut 0.5
Acibenzolar-S-methyl	Jujube 0.2^{T} → 0.2, Jujube(dried) 0.3, Cherry 0.07
Acynonapyr	Persimmon, Yuja 0.7, Mandarin, Apple 1.0, Chili pepper, Jujube, Grape, Sweet pepper 2.0, Jujube(dried) 5.0, Strawberry, Peach 3.0, Pear 1.5, Watermelon, Korean melon 0.3
Afidopyropen	Pear, Peach, Apple, Watermelon, Plum, Korean melon 0.05, Chili pepper, Sweet pepper 0.07, Kimchi cabbage 0.2, Ssam cabbage 0.5
Alachlor	Kimchi cabbage 0.05^{T} → 0.05, Cabbage, head, Ssam cabbage 0.05
Azoxystrobin	Safflower seed 0.1^{T} → 0.2, Oat 0.3
Benalaxyl	Mustard Leaf, Godeulppaegi, Perilla Leaves, Onion, Welsh 0.05
Bentazone	Perilla seed, Beans and peas with pods 0.05
Benthiavalicarb-isopropyl	Korean Black Raspberry 0.1^{T} → 0.3, Chinese chives 0.3, Kohlrabi 0.05^{T} → 0.2, Onion, Welsh 0.05

MFDS Notice(No. 2020-98, October 16, 2020)

(mg/kg)

Benzyladenine	Jujube, Jujube(dried) 0.05
Bifenthrin	Korean Black Raspberry 0.3^{T} → 0.3, Aronia 0.3^{T} → 0.5, Oak mushroom 0.05^{T} → 0.05
Bitertanol	Blueberry 1.0^{T} → 2.0
Boscalid	Soybean, Broccoli, Cabbage, head 0.05^{T} → 0.05, Peanut, Rucola, Turnip rape, Shinsuncho, Burdock, Burdock leaves 0.05, Beet(root), 0.05^{T} → 0.3, Beet(leaves) 0.3^{T} → 3.0, Aronia 5.0^{T} → 10
Buprofezin	Soybean, Onion(bulb) 0.05, Beans and peas with pods 0.7
⋮	⋮
Pyridalyl	Persimmon 0.1, Peanut 0.05^{T} → 0.05, Squash/Pumpkin 0.2
Pyrifluquinazon	Maize, Taro, Taro stem 0.05^{T} → 0.05, Mandarin melon berry, Mandarin melon berry leaves 0.05, Coriander leaves 0.05^{T} → 0.2
Pyrimethanil	Cabbage, head 1.0, Coriander leaves 2.0, Coastal hog fennel, Hyssop, anise, Crown Daisy, Ulleungdo aster, Curled mallow, Chamnamul 20, Lettuce(leaves) 30

MFDS Notice(No. 2020-98, October 16, 2020)

(mg/kg)

Spinetoram	Oyster mushroom, Taro 0.05[T] → 0.05
Streptomycin	Lettuce(leaves), Lettuce(head) 0.5
Sulfoxaflor	Bellflower, Chinese 0.05[T] → 0.05, Perilla seed 0.2, Taro 0.05
Tebuconazole	Mung bean 0.05[T] → 0.2, Korean Black Raspberry 0.5[T] → 1.0, Burdock 0.05[T] → 0.07, Burdock leaves 5.0
Tebufenozide	Nanking Cherry 1.0[T] → 2.0
Tebufenpyrad	Taro 0.05[T] → 0.05
Tebupirimfos	Tatsoi, Pak-choi 0.05[T] → 0.05
Terbufos	Tatsoi 0.2, Pak-choi 0.3
Thifluzamide	Ginger 0.05[T] → 0.2, Bellflower, chinese 0.07, Burdock 0.05
Tiafenacil	Ginger, Cabbage, head 0.05
Triclopyr	Pear, Peach 0.05
Trifloxystrobin	Ginger 0.2, Aronia 0.7[T] → 2.0

MFDS Notice(No. 2020-98, October 16, 2020)

(mg/kg)

Triflumizole	Beans and peas with pods 0.05
Validamycin A	Tomato 0.05, Radish(leaves) 0.05 → 0.3, Korean melon 0.5, Beet(leaves) 3.0, Lettuce(leaves), Lettuce(head) 5.0 → 7.0
Valifenalate	Mustard Leaf, Godeulppaegi, Shepherd's purse, Rucola, Plebeian sage, Turnip rape, Kale 10, Crown Daisy 1.0^{T} → 10, Perilla Leaves, Lettuce(leaves), Lettuce(head) 20

MFDS Notice(No. 2020-98, October 16, 2020)

Imported Foods: newly set/revised MRLs for 11 pesticides

(mg/kg)

Afidopyropen	Citrus fruits 0.15†, Potato, Tree nuts, Soybean 0.01†, Melon 0.05†, Cotton seed 0.08†, Celery 3.0†, Cucumber 0.7†, Cherry 0.03†, Tomato 0.15†, Squash/Pumpkin 0.06†
Azoxystrobin	Sugar beet 0.1T → 4.0†, Cranberry 0.5T → 0.5†
Bicyclopyrone	Sugar Cane 0.02†
Cyprodinil	Korean Black Raspberry 1.0T → 10†, Kidney bean 0.2†, Pea 0.3†
Dimethenamid	Hop 0.05T → 0.05†
Fludioxonil	Korean Black Raspberry 2.0 → 5.0†, Sugar beet 4.0†, Pea 0.3†
Fluxapyroxad	Rape seed 0.8† Deleted, Oil seed 0.8†
Glyphosate	Tea 0.8†

MFDS Notice(No. 2020-98, October 16, 2020)

(mg/kg)

Metaflumizone	Soybean 0.05 → 0.2†, Coffee bean 0.05^{T} → 0.1†
Methyl bromide	Cherry 20^{T} Deleted, Stone fruits 20†
Pydiflumetofen	Onion(bulb) 0.05 → 0.2†, Citrus fruits, Beans and peas with pods 1.0†, Mustard Green 50†, Tree nuts 0.05†, Flowerhead brassicas 3.0†, Root and Tuber vegetables 0.3†, Peach 0.7†, Blueberry 5.0†, Plum 0.6†, Cherry, Onion, Welsh2.0†, Sunflower seed 0.5†

Administrative Pre-announcement
(No. 2020-264, June 29, 2020)

(Relevant Document : WTO Notice G/SPS/N/KOR/686)

<Strengthened Regulation>

- **Newly set/revised MRLs (106) for Domestic Foods**
  - 56 Pesticides including Acequinocyl in Domestic Agricultural Products
- **Newly set/revised MRLs (4) and revoked MRLs (7) for Imported Foods**
  - 4 Pesticides including Acibenzolar-S-methyl in Imported Agricultural Products

Administrative Pre-announcement
(No. 2020-264, June 29, 2020)

- Domestic Foods: Newly set/revised MRLs for 56 pesticides

(mg/kg)

Acequinocyl	Lemon 1.0^{T} → 0.7, Orange 1.0^{T} → 0.7
Acetamiprid	Millet 0.3^{T} → 0.05, Mango 0.4^{T} → 0.2, Maize 0.3^{T} → 0.05
Alachlor	Spinach 0.2^{T} → 0.05
Amisulbrom	Korean Black Raspberry 2.0^{T} → 1.0
Benalaxyl	Crown Daisy 3.0^{T} → 0.05
Bifenazate	Korean Black Raspberry 7.0^{T} → 0.5, Aronia 1.0^{T} → 0.3
Boscalid	Mustard Leaf 1.0^{T} → 0.05
Butachlor	Spinach 0.1^{T} → 0.05
Captan	Carrot 2.0^{T} → 0.05, Cherry 5.0^{T} → 3.0
Carbendazim	Fig 2.0^{T} → 0.7
Carbofuran	Sorghum 0.1^{T} → 0.05
Chlorfenapyr	Ginger 0.1^{T} → 0.07, Turnip root 0.1^{T} → 0.07, Orange 1.0^{T} → 0.7
Chlorfluazuron	Cherry 0.5^{T} → 0.2
Clothianidin	Lemon 1.0^{T} → 0.3, Apricot 0.5^{T} → 0.4, Orange 1.0^{T} → 0.3, Yuja 1.0^{T} → 0.3

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(mg/kg)

Cyantraniliprole	Sweet Potato Vines 2.0^{T} → 0.3, Korean Black Raspberry 0.7^{T} → 0.3, Taro stem 2.0^{T} → 0.07
Cyazofamid	Blueberry 2.0^{T} → 0.05
Cyclaniliprole	Beet(root) 0.2^{T} → 0.15
Cyenopyrafen	Mango 0.5^{T} → 0.3
Cyflumetofen	Mango 0.1^{T} → 0.07, Taro 0.1^{T} → 0.05
Cyhalothrin	Oat 0.2^{T} → 0.05, Mango 0.5^{T} → 0.07, Kiwifruit 0.5^{T} → 0.2, Oak mushroom 0.5^{T} → 0.05
Cyprodinil	Plum 2.0^{T} → 0.5
Dichlorvos	Radish(leaves)1.0^{T} → 0.05, Yuja 0.2^{T} → 0.05
Difenoconazole	Sweet Potato 0.1^{T} → 0.05
Diflubenzuron	Bellflower, chinese 0.3^{T} → 0.05, Lemon 3.0^{T} → 2.0, Blueberry 2.0^{T} → 1.5, Aronia 2.0^{T} → 1.5, Orange 3.0^{T} → 2.0, Yuja 3.0^{T} → 2.0, Oak mushroom 0.3^{T} → 0.2
Dimethoate	Apple 1.0^{T} → 0.5
Dimethomorph	Pomegranate 1.0^{T} → 0.3
Dinotefuran	Sweet potato 0.1^{T} → 0.05, Aronia 1.0^{T} → 0.7, Maize 1.0^{T} → 0.05, Cherry 2.0^{T} → 1.5

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(mg/kg)

Dithiocarbamates	Deodeok 0.2^{T} → 0.05, Radish(root) 0.2^{T} → 0.05, Burdock 0.2^{T} → 0.05
Fenpyroximate	Blueberry 0.5^{T} → 0.3
Fenvalerate	Cabbage, head 3.0^{T} → 0.5
Flonicamid	Plum 0.9^{T} → 0.1, Maize 0.1^{T} → 0.05
Fludioxonil	Sweet Potato 10^{T} → 0.05, Cabbage, head 2.0^{T} → 0.3
Flufenoxuron	Mango 0.3^{T} → 0.2, Plum 1.0^{T} → 0.2
Fluopyram	Ssam cabbage 2.0^{T} → 0.05, Burdock leaves 2.0^{T} → 0.3
Flupyradifurone	Taro stem 9.0^{T} → 0.2
Flutianil	Narrow-head ragwort 1.0^{T} → 0.7
Flutolanil	Sweet Potato 0.15^{T} → 0.05
Fluxametamide	Korean Black Raspberry 0.5^{T} → 0.2
Iminoctadine	Sweet Potato Vines 0.5^{T} → 0.05, Korean Black Raspberry 1.0^{T} → 0.7, Asparagus 0.5^{T} → 0.2
Indoxacarb	Pomegranate 0.3^{T} → 0.2
Metalaxyl	Broccoli 0.5^{T} → 0.05, Lettuce(leaves) 2.0^{T} → 1.5, Cabbage, head 0.5^{T} → 0.05, Lettuce(head) 2.0^{T} → 1.5

Administrative Pre-announcement
(No. 2020-264, June 29, 2020)

(mg/kg)

Milbemectin	Schisandraberry 0.3^{T} → 0.05, Chamnamul 5.0^{T} → 0.2
Myclobutanil	Wheat 0.3^{T} → 0.2, Sesame seed 0.1^{T} → 0.07
Novaluron	Bellflower, chinese 0.1^{T} → 0.05, Peanut 2.0^{T} → 0.05, Ginger 0.1^{T} → 0.05
Omethoate	Apple 0.4^{T} → 0.05
Phorate	Peanut 0.1^{T} → 0.05
Picarbutrazox	Broccoli 2.0^{T} → 0.7
Pymetrozine	Korean thistle 5.0^{T} → 4.0, Coriander leaves 0.3^{T} → 0.07, Tatsoi 5.0^{T} → 4.0, Taro 0.2^{T} → 0.05
Pyraclostrobin	Carrot 0.5^{T} → 0.3, Radish(root) 0.1 → 0.2
Pyribencarb	Sweet Potato Vines 0.07^{T} → 0.05, Polygonatum leaves 3.0^{T} → 2.0, Cherry 2.0^{T} → 1.0, Kohlrabi 0.3^{T} → 0.07
Pyridalyl	Ginger 0.3^{T} → 0.15
Sulfoxaflor	Mango 0.3^{T} → 0.07, Maize0.08^{T} → 0.05
Tebuconazole	Carrot 0.4^{T} → 0.3
Tebufenozide	Cherry 1.0^{T} → 0.5, Plum 1.0^{T} → 0.2
Teflubenzuron	Ginger 0.2^{T} → 0.05
Trifloxystrobin	Beet(root) 0.1^{T} → 0.05

Administrative Pre-announcement
(No. 2020-264, June 29, 2020)

- Imported Foods: : Newly set/revised MRLs for 4 pesticides

(mg/kg)

Acibenzolar-S-methyl	Orange, Grapefruit 0.2[T] Deleted, Citrus fruits 0.015[†]
Chlorothalonil	Cherry 3.0[T] → 0.5[†]
Difenoconazole	Chestnut, Walnut 0.05[T] Deleted, Treenuts 0.03[†]
Tolfenpyrad	Lemon, Orange, Grapefruit 2.0[T] Deleted, Citrus fruits 0.8[†]

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

(Suggestion 1) MRLs for 4 Pesticides including Bitertanol

Meeting of the Food Sanitation Deliberation Committee No. 2020-3 (September 24, 2020)

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	Proposed MRL (mg/kg)		
Bitertanol	Korean Black Raspberry	0.3^{T} → 0.3	0.3^{T} → 1	– The MRLs in the administrative pre-announcement are based on the residue data of the domestic field trial. Therefore, they will be published as originally considered.	Not accepted
Fenpyroximate	Blueberry	0.5^{T} → 0.3	0.5^{T} → 3		
Bifenazate	Korean Black Raspberry	7.0^{T} → 0.5	7.0^{T} → 7		
Cyantraniliprole	Korean Black Raspberry	0.7^{T} → 0.3	0.7^{T} → 4.0		
	Sweet Potato, vines	2.0^{T} → 0.3	2.0^{T} → 40		

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

(Suggestion 2) MRLs for 6 Pesticides including Diflubenzuron

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	Proposed MRL (mg/kg)		
Diflubenzuron	Oak mushroom	0.3^{T} → 0.2	0.3^{T} → 0.3	– The MRLs in the administrative pre-announcement are based on the residue data of the domestic field trial. Therefore, they will be published as originally considered.	Not accepted
Metalaxyl	Broccoli	0.5^{T} → 0.05	0.5^{T} → 0.5		
Cyhalothrin	Mango	0.5^{T} → 0.07	0.5^{T} → 0.2		
Carbofuran	Sorghum	0.1^{T} → 0.05	0.1^{T} → 0.1		
Tebuconazole	Carrot	0.4^{T} → 0.3	0.4^{T} → 0.4		
Fludioxonil	Sweet Potato	10^{T} → 0.05	10^{T} → 10		

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

(Suggestion 3) MRLs for 13 Pesticides including Diflubenzuron

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	proposed MRL (mg/kg)		
Diflubenzuron	Oak mushroom	0.3^{T} → 0.2	0.3^{T} → 0.3	– The MRLs in the administrative pre-announcement are based on the residue data of the domestic field trial. Therefore, they will be published as originally considered.	Not accepted
Metalaxyl	Cabbage, head	0.5^{T} → 0.05	0.5^{T} → 0.5		
	Lettuce(leaves)	2.0^{T} → 1.5	2.0^{T} → 2		
Cadusafos	Schisandra berry, dried	0.05	2		
Carbofuran	Sorghum	0.1^{T} → 0.05	0.1^{T} → 0.1		
Tebuconazole	Carrot	0.4^{T} → 0.3	0.4^{T} → 0.4		
Azoxystrobin	Oat	0.3	1.5		
Boscalid	Turnip rape	0.05	40		
Bifenazate	Korean Black Raspberry	7.0^{T} → 0.5	7.0^{T} → 7		

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	proposed MRL (mg/kg)		
Pyraclostrobin	Carrot	0.5[T] → 0.3	0.5[T] → 0.5	– The MRLs in the administrative pre-announcement are based on the residue data of the domestic field trial. Therefore, they will be published as originally considered. .	Not accepted
	Rice	0.05	5		
Chlorantraniliprole	Cowpea	0.05	0.8		
	Pea	0.05	0.8		
Fluopyram	Chinese cabbage	0.05	0.15		
Fluxapyroxad	Beans and peas with pods	0.15	1.5		
Mandestrobin	Cabbage, head	0.05	1.5		

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

(Suggestion 4) An MRL for Clothianidin

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	proposed MRL (mg/kg)		
Clothianidin	Citrus fruits	1.0[T] → 0.3	1.0[T] → 0.5	– The MRL in the administrative pre-announcement is based on the residue data of the domestic field trial. Therefore, it will be published as originally considered.	Not accepted

Comments on WTO Notice(G/SPS/N/KOR/686, 687)

(Suggestion 5) MRLs for Glyphosate and Chlorothalonil

Pesticide	Administrative Pre-announcement		Suggestion	Comments from the Food Sanitation Deliberation Committee	Result
	Commodity	MRL (mg/kg)	proposed MRL (mg/kg)		
Glyphosate	Tea	0.8†	5.0†	– The MRL in the administrative pre-announcement is based on the residue data of the domestic field trial. Therefore, it will be published as originally considered.	Not accepted
Chlorothalonil	Cherry	3.0T → 0.5†	3.0T → 3†	– The MRL in the administrative pre-announcement is based on the MRL of the country in which the field trials were conducted. it will be published as originally considered.	

Administrative Pre-announcement
(No. 2020-427, September 28, 2020)

(Relevant Document : WTO Notice G/SPS/N/KOR/698)

〈 Relaxed Regulation 〉

- **Newly set/revised MRLs (67) for Domestic Foods**
  - 17 Pesticides including Abamectin in Domestic Agricultural Products
- **Newly set/revised MRLs (11) and revoked MRL (1) for Imported Foods**
  - 11 Pesticides including Bifenazate in Imported Agricultural Products
- **Establishment and Revision of Analysis Methods**
  - New methods for Kasugamycin and Fenpicoxamid Residues

Administrative Pre-announcement
(No. 2020-427, September 28, 2020)

- Domestic Foods: Newly set/ revised MRLs for 17 pesticides

(mg/kg)

Abamectin	Mandarin 0.02 → 0.07
Acibenzolar-S-methyl	Radish(root) 0.3, Radish(leaves) 1.0
Afidopyropen	Eggplant 0.05, Strawberry 0.2, Radish(root) 0.05, Radish(leaves) 0.1
Aluminium Phosphide	Mandarin 0.05
Azoxystrobin	Chwinamul 3.0 → 7.0
Broflanilide	Radish(leaves) 2.0 → 5.0, Watermelon 0.05 → 0.07, Tomato 0.3 → 1.0
Cartap	Eggplant 0.05
Dichlobenil	Rice 0.05
Dithiocarbamates	Blueberry 5.0^{T} → 5.0
Hymexazol	Onion, Welsh 0.05

Administrative Pre-announcement
(No. 2020-427, September 28, 2020)

(mg/kg)

Kasugamycin	Eggplant, Strawberry, Ssam cabbage, Korean melon, Onion, Welsh 0.3, Mandarin, Carrot, Melon, Broccoli, Cabbage, head, Cucumber 0.2, Potato, Dried ginseng, Yam, Yam(dried), Garlic, Giant butterbur, Radish(root), Watermelon, Fresh Ginseng, Onion(bulb), Kiwifruit, Green garlic 0.05, Mustard Leaf, Chard, Shepherd's purse, Crown Daisy, Pak-choi, Chwinamul, Chicory 8.0, Coriander leaves, Radish(leaves) 2.0, Chili pepper, Sweet pepper 1.5, Perilla Leaves 5.0, Water-celery, Celery, Tomato 0.5, Kimchi cabbage 0.1, Chinese chives 0.7, Beet(root) 0.15, Lettuce(leaves), Lettuce(head) 10, Spinach 3.0, Rice 0.07
Metconazole	Onion, Welsh 1.0 → 5.0
Probenazole	Tomato 0.05
Pyflubumide	Eggplant 0.07
Pymetrozine	Lettuce(leaves) 1.0 → 15
Pyribencarb	Strawberry 0.5 → 2.0
Sulfoxaflor	Coriander leaves 0.05^{T} → 10

Administrative Pre-announcement
(No. 2020-427, September 28, 2020)

- Imported Foods (IT): Newly set/revised MRLs for 11 pesticides

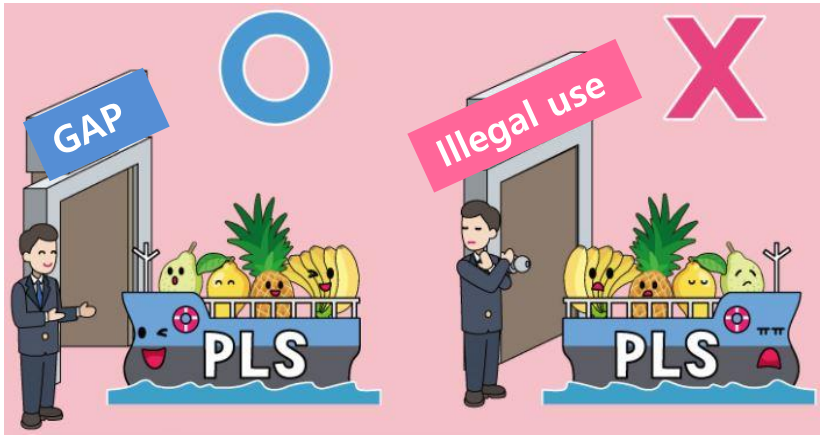
(mg/kg)

Bifenazate	Hop $20^{T} \rightarrow 20^{\dagger}$
Chlormequat	Triticale $5.0^{\dagger}$
Cyprodinil	Pomegranate $5.0^{\dagger}$
Diquat	Pea 0.1^{T} Deleted, Pulses $0.5^{T} \rightarrow 0.9^{\dagger}$
Fenazaquin	Hop $30^{T} \rightarrow 30^{\dagger}$
Fenpicoxamid	Banana $0.15^{\dagger}$
Fluazinam	Peanut $0.01^{\dagger}$
Fluxapyroxad	Strawberry $2.0 \rightarrow 4.0^{\dagger}$
Novaluron	Blueberry $7.0^{T} \rightarrow 7.0^{\dagger}$
Pydiflumetofen	Sorghum $3.0^{\dagger}$
Sulfoxaflor	Sorghum $0.08^{T} \rightarrow 0.3^{\dagger}$

3 Current status of PLS

Contents

History



Jan. 2019 Jul. 2019 Dec. 2021

MFDS supervision of pesticide residues in foods

PLS

Method for detecting pesticide residues (370 → 473 pesticides)

Expiration of Temporary MRLs

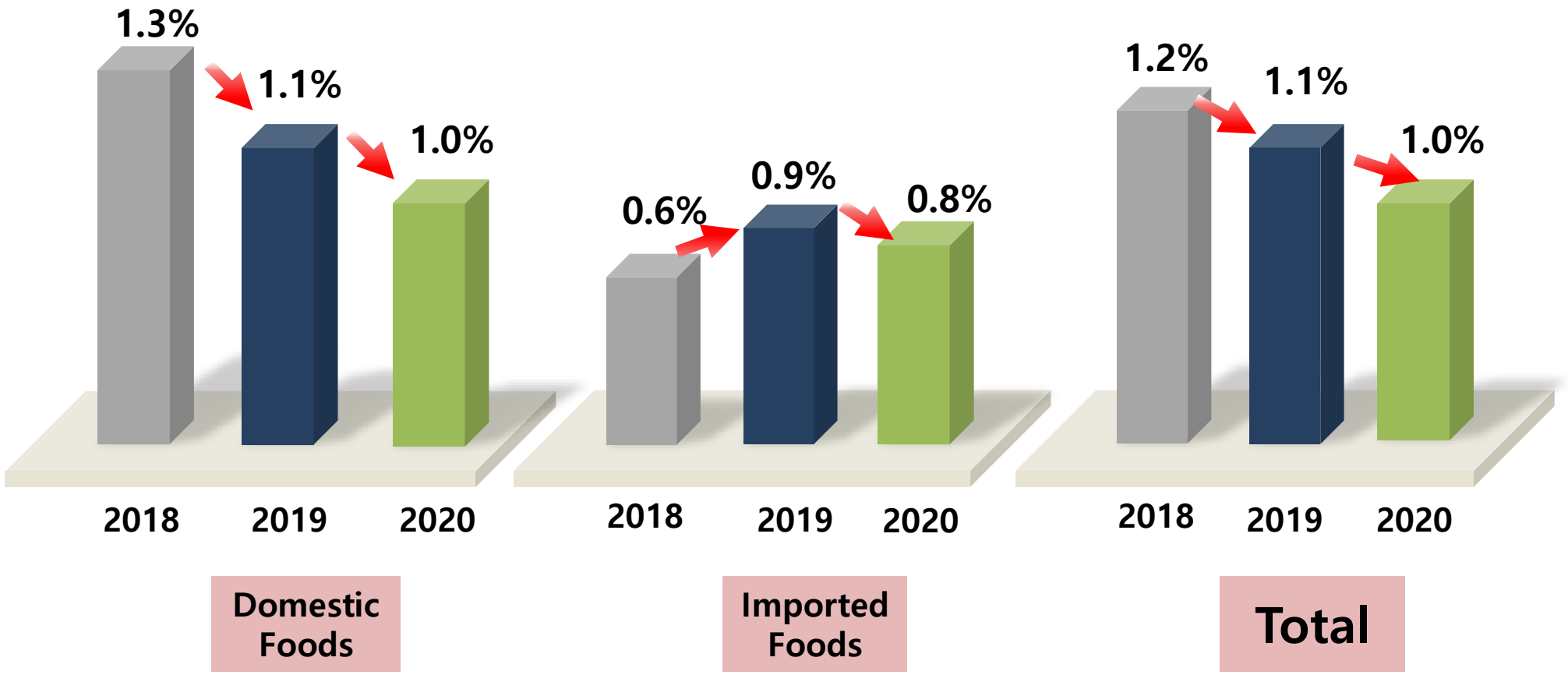
Completed

Completed

Ongoing

Status of Enforcement

◎ Non-compliance rate after introducing PLS (Jan-Oct)



Domestic Foods

◎ The non-compliant cases after introducing PLS (Domestic Foods)

The total rate of non-compliance in domestic agricultural products :
(2018) 1.3% → (2020) 1.0%

① In the production stage, the rate has down by 1.7% (2.1% → 0.4%)

② In the distribution stage, the rate is the same as that of 2018 (1.1% → 1.1%)

* Reasons for non-compliance

✓ Pesticides including Diazinon, Procymidone, etc. which are not allowed to use due to toxicity or persistence issue

✓ Leafy vegetables (Crown Daisy, Chamnamul, Lettuce(leaves), Spinach, Chwinamul, etc.)

* Provide education courses on pesticide use to farmers

Imported Foods

◎ The non-compliant cases after introducing PLS

(Imported Foods)

The total rate of non-compliance in Imported agricultural products :

(2018) 0.6% → (2020) 0.8% * The rate has increased by 0.2%

* Reasons for non-compliance

✓ Spices (Cumin, Sichuan pepper, etc.) and Herbs (Kaffir lime, etc.)

✓ Increased non-compliance detection in grain (Barley, etc.) and tropical fruits (Banana, Avocado, etc.)

* Take action to prevent distribution of non-compliant foods

* Inspection Order (if necessary)

Expiration date of Temporary MRLs

◎ Temporary MRLs

- For a smooth transition to PLS
- The level of CODEX or those of other countries, levels applied to similar commodity or the lowest MRLs for pesticides

◎ Expiration date

- December 31, 2021
- Need to submit an application for Import Tolerances by March 2021

◎ Survey of Application Plan until November 30, 2020

* This list is based on the MFDS notice(Notice no. 2020-98, Oct. 16th 2020), not including the proposed revision in the recent administraive notice

Pesticide Number in Food Code	Pesticide	Commodity	MRL(mg/kg)	Date of Application (Year-Month)	Applicant (Oranization or Compony)	Contact Point (Name of staff)	Phone number	Email Address
1	Iminoctadine	Jujube	0.5T	ex) 2021-12	ABC Association	Hong Gil-dong	+82-43-719-0	1234@abc.com
1	Iminoctadine	Deodeok	0.05T					
1	Iminoctadine	Polygonatum root	0.05T					
1	Iminoctadine	Polygonatum leaves	0.05T					
1	Iminoctadine	Perilla Leaves	5.0T					
1	Iminoctadine	Lemon	0.5T					
1	Iminoctadine	Yam	0.05T					
1	Iminoctadine	Mango	0.3T					
1	Iminoctadine	Blueberry	1.0T					
1	Iminoctadine	Beet(leaves)	0.05T					
1	Iminoctadine	Sanmaneul leaves	5.0T					
1	Iminoctadine	Apricot	0.5T					
1	Iminoctadine	Pomegranate	0.1T					
1	Iminoctadine	Crown Daisy	1.0T					
1	Iminoctadine	Aronia	1.0T					

Supports for IT Applicants

◎ Preliminary review

- To save cost and time
- Submit a summary of residue data, label and proposed MRL by e-mail

◎ Generic active compounds

- Residue data ↔ Evaluation report from CODEX or EFSA
- Temporary exemption in submitting a summary translated in Korean (~ December, 2021)

◎ Customized consulting

- To provide information for the food industry

감사합니다
Thank you

청렴韓세상

식품의약품안전처

국민의 더 건강한 내일을 위한 정부혁신
보다 나은 식약처