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Santiago, 13 de julio 2020

A : SEÑORES ASOCIADOS Y EXPORTADORES

DE : ASOCIACIÓN DE EXPORTADORES DE FRUTAS DE CHILE, A.G.

REF. : TAILANDIA: MONITOREO DE RESIDUOS DE PESTICIDAS

Estimados Exportadores:

Informamos a ustedes que la Administración de Alimentos y Medicamentos de Tailandia (FDA), ha emitido Directrices para la implementación de medidas de vigilancia de residuos de pesticidas en productos frescos importados, las que comenzarán a aplicarse a partir del próximo 1 de agosto.

Los cambios anunciados consideran listas elaboradas en función del historial del producto y la empresa exportadora, y según el nivel de riesgo. Para ello, la FDA Tailandesa ha establecido 3 categorías de Riesgo: Muy Alto Riesgo, Alto Riesgo y Bajo Riesgo:

- **Grupo 1 - Muy Alto Riesgo:**
  Se clasifican en este grupo, los exportadores/producto que han registrado incumplimiento de la regulación de residuos durante el período que abarca desde el año 2017 a la fecha.

  Ver listado de incumplimientos en el siguiente enlace:

  http://www.fda.moph.go.th/sites/Logistics/SitePages/DisplayNews.aspx?IDitem=6&List=ImportsNews

  Ello implicará que la FDA de Tailandia realizará análisis de cada envío de esa combinación exportador/producto, procediendo a retener la carga hasta obtener los resultados.

  Si el incumplimiento se registró antes del 24 de enero 2020, se analizará solo el pesticida que ha presentado no conformidades. Si es posterior a tal fecha, se realizará análisis de 134 pesticidas. Ver Anexo I con listado de los 134 pesticidas.

  Los exportadores que han presentado no conformidades se eliminarán de la lista luego que 3 envíos consecutivos no presenten incumplimientos.

  Es importante tener presente que el exportador o importador debe notificar a la FDA tailandesa que desean ser retirados de la lista antes de que se realicen los muestreos de los tres envíos. Si no se notifica, el muestreo no se considerará para salir de la lista de productos de “Muy alto riesgo”.

- **Grupo 2 - Alto Riesgo:**
  Se clasifican en este grupo, aquellos productos frescos que presentaron más de un 20 % de muestras con incumplimientos, durante en el programa de monitoreo de pesticidas en productos frescos del año fiscal 2019-2020.

  Las frutas consideradas de alto riesgo corresponden a: cerezas, naranjas, frutillas, uvas y pitahaya.

  Ello implicará que la FDA de Tailandia realizará análisis de cada carga, al cual no será retenida en espera del resultado del análisis, pudiendo proceder a su comercialización.

- **Grupo 3 - Bajo Riesgo**:
  Corresponden a aquellos productos que no están clasificados como de “Muy alto riesgo" o "Alto riesgo".

  La FDA de Tailandia realizará análisis de residuos de pesticidas mediante monitoreos aleatorios, sin retener la carga y procediéndose en forma normal su comercialización.

Independiente de la Categoría, el importador que no desee que un determinado embarque se analice en los puertos de ingreso en Tailandia, puede presentar un Certificado de Análisis (COA) que contenga el análisis de 134 pesticidas que serán monitoreados por la FDA de Tailandia. Este certificado lo puede emitir un laboratorio gubernamental del país exportador, un laboratorio asignado por el Gobierno local o un laboratorio privado que cumpla con la norma ISO / IEC 17025.

Saludamos atentamente a ustedes,

ASOCIACIÓN DE EXPORTADORES DE FRUTAS DE CHILE, A.G.

Miguel Canala – Echeverría V.
Gerente General

Adj: lo citado

Anexo I. Listado de los 134 pesticidas que serán monitoreados por la FDA de Tailandia.
Anexo II: Regulación de Residuos de Pesticidas en Alimentos “Notification No. 387 B.E. 2560 (2017), Ministry of Public Health”.

MC/JL/Mt/vap

ANEXO I. LISTA DE PESTICIDAS QUE SERÁN MONITOREADOS POR LA LA FDA DE TAILANDIA

รายการรายชื่อสารพิษตกค้างจากวัตถุอันตรายทางการเกษตร จำนวน 134 สาร

1. acephate
2. alachlor
3. aldicarb
4. aldrin
5. alpha-BHC
6. alpha-endosulfan
7. ametryn
8. atrazine
9. azinphos-ethyl
10. azinphos-methyl
11. bendiocarb
12. beta-BHC
13. beta-endosulfan
14. bifenazate
15. bifenthrin
16. bromacil
17. bromophos-ethyl
18. bromopropylate
19. buprofezin
20. butachlor
21. cadusafos
22. carbaryl
23. carbendazim
24. carbofuran
25. carboxin
26. chlorfenapyr
27. chlorfenvinphos
28. chlorobenzilate
29. chloroneb
30. chlorothalonil
31. chlorpropham
32. chlorpyrifos
33. chlorpyrifos-methyl
34. cis-chlordane
35. cis-heptachlor epoxide
36. cyanophos
37. cyfluthrin
38. cypermethrin
39. DCPA
40. DEET
41. delta-BHC
42. deltamethrin
43. demeton-s-methyl
44. diazinon
45. dichlorvos
46. dicofol
47. dicrotophos
48. dieldrin
49. dimethoate
50. dioxathion
51. disulfoton
52. ditalimfos
53. endosulfan sulfate
54. endrin
55. EPN
56. ethion
57. ethoprofos
58. etrimfos
59. fenchlorphos
60. fenitrothion
61. fenobucarb
62. fenpropathrin
63. fenthion
64. fenvalerate
65. fipronil
66. folpet

67. fosthiazate
68. gamma-BHC
69. glyphosate
70. heptachlor
71. heptenophos
72. hexachlorobenzene
73. hexazinone
74. 3-hydroxy carbofuran
75. isofenphos
76. isoprocarb
77. isoxathion
78. lambda-cyhalothrin
79. malathion
80. metacrifos
81. metalaxyl
82. methamidophos
83. methidathion
84. methiocarb
85. methomyl
86. methoxychlor
87. metolachlor
88. metribuzin
89. mevinphos
90. monocrotophos
91. naled
92. omethoate
93. oxamyl
94. oxy-chlordane
95. paraquat
96. parathion
97. parathion-methyl
98. permethrin
99. phenthoate
100. phorate
101. phosalone
102. phosmet
103. phosphamidon
104. picoxystrobin
105. pirimiphos-ethyl
106. pirimiphos-methyl
107. pp'-DDE
108. pp'-DDT
109. pp'-TDE
110. profenofos
111. propachlor
112. propargite
113. propetamphos
114. prothiofos
115. pyrimethanil
116. quinalphos
117. quintozene
118. simazine
119. tebufenpyrad
120. tecnazene
121. terbacil
122. terbufos
123. tetrachlorvinphos
124. tetradifon
125. thiabendazole
126. thiometon
127. thiophanate-methyl
128. tolclofos-methyl
129. tolylfluanid
130. trans-chlordane
131. trans-heptachlor epoxide
132. triadimefon
133. triazophos
134. trifluralin

(Unofficial Translation)

Ministry of Public Health Notification
No. 387 B.E. 2560 (2017)
Re: Food Containing Pesticide Residues (*Pesticide Residues in Food*)

It is deemed appropriate to revise the notification the Ministry of Public Health Notification entitled "Food Containing Pesticide Residues" to provide a clear standard for food use and to optimize protection of consumer safety

By virtue of the provision of Section 5 in the first phase, and Section 6 (2) (3) and (9) of the Food Act B.E. 2522 (1979), in which contain provisions in relation to the restriction of Rights and Liberties of the Persons, in respect of which Section 26 and in conjunction with Section 33, Section 34, Section 37 and Section 40 of the Constitution of the Kingdom of Thailand so permit by virtue of provisions of law; the Minister of Public Health hereby issues the notification as follows:

Clause 1 The following Notifications shall be repealed:

(1) The Notification of the Ministry of Public Health Re: Food Containing Pesticide Residues, dated 14th April B.E. 2554 (2011),

(2) The Notification of the Ministry of Public Health (No. 361) B.E. 2556 (2013) Re: Food Containing Pesticide Residues (No.2), dated 6st August B.E. 2556 (2013).

Clause 2 Food Containing Pesticide Residues are prescribed food to have standard.

Clause 3 In this notification,

"Pesticide Residue" means any specified substance in food resulting from the use of a pesticide. The term includes any derivatives of a pesticide, such as conversion products, metabolites, reaction products, and impurities considered to be of toxicological significance.

"Maximum Residue Limit (MRL)" means the maximum concentration of a pesticide residue in food arising from use of a pesticide. It is expressed in milligrams of pesticide residue per kilogram of the food.

"Extraneous Maximum Residue Limit (EMRL)" means the maximum concentration of a pesticide residue in food arising from the residues that contaminate in the environment including from the pesticides that have been used before and then their uses have been nationally banned but, because of their persistent properties, the residues still exist in the environment. It is expressed in milligrams of pesticide residue per kilogram of the food.

"Pesticide" means any substance intended for preventing, destroying, attracting, repelling, or controlling any pest including unwanted species of plants or animals during the production, storage, transport, distribution, or processing of food, or which may be administered to animals for the control of ectoparasites. The term includes substances intended for use as a plant-growth regulator, defoliant, desiccant, fruit thinning agent, or sprouting inhibitor and substances applied to crops either before or after harvest to protect the commodity from deterioration during storage and transport. The term normally excludes fertilizers, plant and animal nutrients, food additives, feed additives and veterinary drug.

"Default Limit" means the maximum concentration of a pesticide residue in food for those pesticides which specific MRL is not set out. It is expressed in milligrams of pesticide residue per kilogram of the food.

"Definition of Residues" means pesticide residue identified to analyse for compliance with MRLs established in this notification. This may be one or several types combined.

"Type 4 Hazardous Substance" means the hazardous substance which is not allowed to be produced, imported, exported or possessed in accordance with the Notification of the Ministry of Industry on The List of Hazardous Substances issued under the Hazardous Substance Act B.E. 2535 (1992) and Hazardous Substance Act, B.E. 2551 (2008).

Clause 4 Food Containing Pesticide Residues shall be complied with standard that shall not contain any pesticide define as Hazardous Substances Type 4 under the Hazardous Substance Act B.E. 2535 (1992) and Hazardous Substance Act, B.E. 2551 (2008) prescribed in Annex 1 of this Notification, except those other pesticides specified as follows:

(1) Detected pesticide residues in food shall not exceed the Maximum Residue Limit (MRL) prescribed in Annex 2 of this Notification,

(2) Detected pesticide residues in food, that does not specified in Annex 2 of this Notification, shall not exceed the limits recommended by Codex Alimentarius Commission, Joint FAO/WHO Food Standards Programme,

(3) Where no MRLs specified in (1) and (2), detected pesticide residues in plant or animal shall not exceed 0.01 milligrams of pesticide residue per kilogram of the food (default limit), unless otherwise default limits for plant specified in Annex 3 of this Notification,

(4) Detected pesticide residues in food shall not exceed the Extraneous Maximum Residue Limit (EMRL) prescribed in Annex 4 of this Notification.

Clause 5 The Analytical Methods shall be as prescribed in Annex 5 of this Notification.

Clause 6 This Notification shall come into force as from the day following date of its publication in the Government Gazette onwards.

Notified on 18th August 2017.

Signed Piyasakol Sakolsatayadorn

(Mr.Piyasakol Sakolsatayadorn)

Minister of Public Health

(Published in the Government Gazette Vol.134, Special Part 228 (Ngor), dated 18th September 2017)

This English version of the notification is translated to meet the need of the non-Thai speaking people. In case of any discrepancy between the Thai original and the English translation, the original Thai version shall prevail.

Annex 1

Hazardous Substances Type 4 under the Hazardous Substance Act B.E. 2535 (1992) and Hazardous Substance Act, B.E. 2551 (2008)

Attachment of Notification of the Ministry of Public Health No. 387 B.E.2560 (2017)

Re: Food Containing Pesticide Residues (*Pesticide Residues in Food*)

1.	2,4,5-T or (2,4,5-trichlorophenoxy) acetic acid
2.	2,4,5-TCP or 2,4,5-trichlorophenol
3.	2,4,5-TP or (±)-2-(2,4,5-trichorophenoxy) propionic acid
4.	4-(4-chloro-o-tolyloxy) butyric acid or MCPB
5.	Chlordimeform
6.	Chlordecone
7.	Chlorthiophos
8.	Chlorobenzilate
9.	Chlorophenol
10.	Copper arsenate hydroxide or Copper (II) aresenate
11.	Carbon tetrachloride or Tetrachloromethane
12.	Captafol
13.	Calcium arsenate
14.	Sulfotep
15.	Safrole
16.	Sodium chlorate
17.	Sodium arsenite
18.	Cycloheximide
19.	Cyhexatin
20.	Daminozide
21.	DBCP or 1,2-dibromo-3-chloropropane
22.	Demeton
23.	Demephion
24.	Dicrotophos
25.	4,6-dinitro-o-cresol or DNOC
26.	Disulfoton
27.	Dinoseb
28.	Dinoterb
29.	Dimefox

30.	Toxaphene or Camphechlor
31.	TEPP or Tetraethyl pyrophosphate
32.	Thallium sulfate
33.	Nitrofen
34.	beta-HCH or 1,3,5/2,4,6-hexachlorocyclohexane
35.	BHC (benzene hexachloride) or HCH (hexachlorocyclohexane)
36.	Benzidine
37.	Bromophos
38.	Bromophos-ethyl
39.	Binapacryl
40.	Paris green
41.	Parathion
42.	Parathion-methyl
43.	Pentachlorophenate sodium or Pentachlorophenoxide sodium
44.	Pentachlorophenol
45.	Prothoate
46.	Pyrinuron or Piriminil
47.	Fluoroacetate sodium
48.	Fluoroacetamide
49.	Phosphamidon (E)+(Z)-isomers
50.	Phosphamidon (Z)-isomer
51	Phosphamidon (E)-isomer
52.	Phenothiol or MCPA-thioethyl or S-ethyl 4-chloro-o-tolyloxythioacetate
53.	Fensulfothion
54.	Fentin
55.	Fonofos (unstated stereochemistry)
56.	Fonofos (racemate)
57.	Fonofos (R)-isomer
58.	Fonofos (S)-isomer
59.	Phorate
60.	Methamidophos
61.	Mecoprop (unstated stereochemistry)
62.	Mecoprop (racemate)
63.	Mephosfolan
64.	Mevinphos
65.	Monocrotophos

66.	Mirex
67.	Lead arsenate
68.	Leptophos
69.	Strobane or Polychloroterpenes
70.	Azinphos-methyl
71.	Azinphos-ethyl
72.	Amitrole
73.	Aminocarb
74.	Aramite
75.	EDB or ethylene dibromide
76.	EPN or O-ethyl O-4-nitrophenyl phenylphosphonothioate or O-ethyl O-*p*-nitrophenyl phenylphosphorothioate
77.	Ethyl hexaleneglycol or ethyl hexane diol or ethohexadiol
78.	Ethylene dichloride or 1,2-dichloroethane
79.	Ethylene oxide or 1,2-epoxyethane
80.	Endosulfan
81.	MGK repellent-11 or 1,5a,6,9,9a,9b-hexahydro-4a(4H)-dibenzofurancarboxaldehyde)
82.	Hexachlorobenzene

Annex 2

Maximum Residue Limit (MRL)

Attachment of Notification of the Ministry of Public Health No. 387 B.E.2560 (2017)

Re: Pesticide Residues in Food

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
1	**Chlorpyrifos**	chlorpyrifos (fat soluble)	Okra	0.5
			Banana	2
			Rice, paddy[1]	0.5
			Rice[2]	0.1
			Spices, seeds	5
			Spices, fruits or berries	1
			Spices, roots or rhizome	1
			Kale	1
			Rambutan	0.5
			Celery	0.05
			Soya bean (dry)	0.1
			Soya bean (succulent seeds in pods)	1
			Durian	0.4
			Oil Palm	0.05
			Lettuce, head / Crisphead lettuce	0.1
			Peppers, Chili	3
			Peppers, Chili (dried)[3]	20
			Peppers, Sweet	2
			Eggplant and eggplant-like commodities	0.2
			Coconut	0.05
			Peanut	0.05
			Sweet potato	0.05
			Longan	0.9
			Litchi	2
			Shallot	0.2
			Onion, Bulb	0.2
			Mushrooms	0.05
			Cattle meat	1 (fat)
			Goat and Sheep meat	1 (fat)

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Cattle, Edible offal of	0.01
			Goat and Sheep, Edible offal of	0.01
			Pig meat	0.02 (fat)
			Pig, Edible offal of	0.01
			Poultry meat	0.01 (fat)
			Poultry, Edible offal of	0.01
			Eggs	0.01
			Milks	0.02
2	**Chlorothalonil**	**Plant:** chlorothalonil **Animal:** 2,5,6-trichloro-4-hydroxy isophthalonitrile	Soya bean (dry)	0.2
			Soya bean (succulent seeds in pods)	2
			Chinese cabbage / Napa cabbage	1
			Chinese broccoli / Chinese kale	4
			Tomato	5
			Potato	0.2
			Peanut	0.1
3	**Carbaryl**	carbaryl	White lead tree / Lead tree / White popinac (young leave buds)	0.02
			Sweet corn (corn-on-the-cob)	0.1
			Baby corn	0.1
			Maize	0.02
			Sorghum	10
			Rice[2]	1
			Rambutan	1
			Watermelon	1
			Durian	30
			Oil Palm	0.05
			Brassica vegetables[4]	1
			Fruiting vegetables, Cucurbits except Watermelon	2
			Peppers, Chili	0.5
			Peppers, Chili (dried)[3]	2
			Peppers, Sweet	5
			Coconut	1

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Mango	3
			Mangosteen	1
			Potato	0.2
			Cacao beans	0.02
			Peanut	2
			Cashew nut	1
			Longan	20
			Litchi	1
			Citrus fruits	7
			Grapes	0.5
			Sugar cane	0.05
			Meat (from mammals other than marine mammals)	0.05
			Edible offal (Mammalian)	1
			Poultry meat	0.05
			Eggs	0.05
			Milks	0.05
4	**Carbendazim / Benomyl**	sum of carbendazim, benomyl, thiophanate-methyl, expressed as carbendazim	Chives	3
			Rice[2]	2
			Rambutan	3
			Spring onion	3
			Mung bean (dry)	0.5
			Soya bean (dry)	0.5
			Soya bean (succulent seeds in pods)	3
			Mulberry leaves	0.1
			Peppers, Chili	2
			Peppers, Chili (dried)[3]	20
			Tomato	0.5
			Mango	2
			Cotton seed	0.1
			Peanut	0.1
			Asparagus	0.2
			Shallot	3

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Onion, Bulb	2
			Grapes	3
			Sugar cane	0.1
			Cattle meat	0.05
			Edible offal (Mammalian)	0.05
			Poultry meat	0.05
			Poultry fats	0.05
			Poultry, Edible offal of	0.1
			Eggs	0.05
			Milks	0.05
5	**Carbosulfan**	carbosulfan	Okra	0.5
			White lead tree / Lead tree / White popinac (young leave buds)	0.2
			Sweet corn (corn-on-the-cob)	0.05
			Baby corn	0.05
			Maize	0.05
			Sorghum	0.05
			Rice[2]	0.2
			Rambutan	0.2
			Fruiting vegetables, Cucurbits except Watermelon	0.5
			Watermelon	0.2
			Mung bean (dry)	0.05
			Yard-long bean (pods)	0.1
			Garden pea (young pods)	0.1
			Soya bean (dry)	0.05
			Soya bean (succulent seeds in pods)	0.5
			Durian	0.2
			Oil Palm	0.05
			Brassica vegetables[4]	0.5
			Peppers, Chili	0.5
			Peppers, Chili (dried)[3]	5

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Eggplant and eggplant-like commodities	0.03
			Tomato	0.5
			Coconut	0.2
			Sweet potato	0.05
			Potato	0.05
			Coffee beans	0.05
			Cacao beans	0.05
			Sesame seed	0.2
			Sunflower seed	0.05
			Peanut	0.05
			Cotton seed	0.05
			Linseed	0.05
			Citrus fruits	0.1
			Asparagus	0.02
			Grapes	0.1
			Meat (from mammals other than marine mammals)	0.05 (Fat)
			Edible offal (Mammalian)	0.05
			Poultry meat	0.05
			Poultry, Edible offal of	0.05
			Eggs	0.05
			Milks	0.05
		sum of carbofuran and 3-hydroxy carbofuran expressed as carbofuran	Okra	0.15
			White lead tree / Lead tree / White popinac (young leave buds)	0.2
			Sweet corn (corn-on-the-cob)	0.01
			Baby corn	0.01
			Maize	0.05
			Sorghum	0.1
			Rice[2]	0.1
			Rambutan	0.05
			Mung bean (dry)	0.2
			Yard-long bean (pods)	0.1

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Garden pea (young pods)	0.15
			Soya bean (dry)	0.1
			Soya bean (succulent seeds in pods)	0.02
			Durian	0.02
			Oil Palm	0.1
			Brassica vegetables[4]	0.03
			Citrus fruits	0.02
			Peppers, Chili	0.5
			Peppers, Chili (dried)[3]	2
			Eggplant and eggplant-like commodities	0.1
			Tomato	0.1
			Coconut	0.02
			Coffee beans	1
			Cacao beans	0.05
			Sesame seed	0.1
			Peanut	0.1
			Sunflower seed	0.05
			Cotton seed	0.1
			Linseed	0.1
			Asparagus	0.06
			Grapes	0.02
			Meat (from mammals other than marine mammals)	0.05
			Edible offal (Mammalian)	0.05
			Poultry meat	0.01
			Poultry, Edible offal of	0.01
			Eggs	0.01
			Milks	0.01
6	**Captan**	captan	Barley	0.02
			Soya bean (dry)	5
			Soya bean (succulent seeds in pods)	5
			Oil Palm	5

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Mango	5
			Cotton seed	5
			Peanut	5
			Grapes	10
7	**Quintozene**	**Plant:** Quintozene (fat soluble) **Animal:** Sum of quintozene, penta-chloroaniline and methyl pentachlorophenyl sulphide, expressed as quintozene (fat soluble)	Spices, seeds	0.1
			Spices, fruits or berries	0.02
			Spices, roots or rhizome	2
8	**Clothianidin**	clothianidin	Durian	0.9
9	**Sulfury fluoride**	sulfury fluoride	Rice[2]	0.1
10	**Cypermethrin**	Cypermethrin (sum of isomers) (fat soluble)	Okra	0.5
			Sweet corn (corn-on-the-cob)	0.05
			Baby corn	0.05
			Maize	0.05
			Spices, fruits or berries	0.1
			Spices, roots or rhizome	0.2
			Yard-long bean (pods)	0.7
			Garden pea (young pods)	0.05
			Soya bean (dry)	0.05
			Soya bean (succulent seeds in pods)	5
			Durian	1
			Brassica vegetables[4]	1
			Peppers, Chili	2
			Peppers, Chili (dried)[3]	10
			Tomato	0.2
			Eggplant and eggplant-like commodities	0.03
			Mango	0.7
			Papaya	0.5

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Cotton seed	0.1
			Longan	1
			Litchi	2
			Citrus fruits except Pummelo / Pomelo and Gapefruit	0.3
			Gapefruit	0.5
			Pummelo / Pomelo	0.5
			Asparagus	0.4
			Shallot	0.1
			Onion, Bulb	0.01
			Sugar cane	0.2
			Meat (from mammals other than marine mammals)	2 (fat)
			Edible offal (Mammalian)	0.05
			Poultry meat	0.1 (fat)
			Poultry, Edible offal of	0.05
			Chicken fat	0.1
			Eggs	0.05
			Milks	0.05
11	**2, 4-D**	sum of 2,4-D and its salts and esters expressed as 2,4-D	Sweet corn (corn-on-the-cob)	0.05
			Baby corn	0.05
			Maize	0.05
			Sorghum	0.01
			Rice[2]	0.1
			Spring onion	0.05
			Pineapple	0.05
			Meat (from mammals other than marine mammals)	0.2
			Edible offal (Mammalian)	1
			Poultry meat	0.05
			Poultry, Edible offal of	0.05
			Eggs	0.01
			Milks	0.01

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
12	**Deltamethrin**	sum of deltamethrin and its α-R- and trans-deltamethrin (fat soluble)	Garlic	0.1
			Banana	0.05
			Baby corn	0.02
			Maize	1
			Sweet corn (corn-on-the-cob)	0.02
			Spring onion	0.5
			Yard-long bean (pods)	0.2
			Oil Palm	0.05
			Pak-choi / Bok choy / Choi Sum / Chinese flowering cabbage	2
			Chinese cabbage / Napa cabbage	2
			Chinese broccoli / Chinese kale	2
			Brassica vegetables[4] except cabbages, head; Pak-choi; Chinese cabbage; and Chinese kale	0.1
			Peppers, Chili	0.1
			Peppers, Chili (dried)[3]	1
			Tomato	0.3
			Mango	0.2
			Coffee beans	2
			Cacao beans	0.05
			Peanut	0.01
			Cotton seed	0.05
			Cashew nut	0.02
			Pineapple	0.01
			Asparagus	0.1
			Shallot	0.1
			Onion, Bulb	0.05
			Sugar cane	0.05
			Cattle meat	0.5 (fat)
			Goat and Sheep meat	0.5 (fat)

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Cattle, Edible offal of	0.03
			Goat and Sheep, Edible offal of	0.03
			Pig meat	0.5 (fat)
			Pig, Edible offal of	0.03
			Poultry meat	0.1 (fat)
			Poultry, Edible offal of	0.02
			Poultry fats	0.1 (fat)
			Eggs	0.02
			Milks	0.05 F
13	**Dichlorvos**	dichlorvos	Spices, entire group	0.1
			Citrus fruits	0.2
			Cereal grains	0.2
			Meat (from mammals other than marine mammals)	0.05
			Poultry meat	0.05
			Milks	0.02
14	**Dicofol**	<u>Plant</u>: dicofol (sum of o,p' & p,p' - isomers) (fat soluble) <u>Animal</u>: Sum of dicofol and 2,2- dichloro-1, 1- bis (4- chlorophenyl) ethanol (p,p' – FW 152), expressed as dicofol (fat soluble)	Spices, seeds	0.05
			Spices, fruits or berries	0.1
			Spices, roots or rhizome	0.1
			Cucumber	0.5
			Mung bean (dry)	0.1
			Soya bean (dry)	0.05
			Tomato	1
			Cattle meat	3 (fat)
			Cattle, Edible offal of	1
			Poultry meat	0.1 (fat)
			Poultry, Edible offal of	0.05
			Eggs	0.05
			Milks	0.1 F
15	**Groups of dithiocarbamates: zineb, ziram, thiram, propineb,**	Total dithiocarbamates, determined and expresses as CS_2	Okra	0.2
			Garlic	0.5
			Rice[2]	0.05
			Rambutan	2

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
	maneb, and mancozeb		Spring onion	10
			Cucumber	2
			Muskmelon	0.5
			Watermelon	1
			Fruiting vegetables, Cucurbits except Cucumber and Watermelon	0.5
			Soya bean (dry)	0.1
			Soya bean (succulent seeds in pods)	0.2
			Durian	2
			Oil Palm	0.1
			Chinese cabbage / Napa cabbage	5
			Chinese broccoli, Chinese kale	15
			Water spinach / Chinese morning glory	0.3
			Taro	0.1
			Peppers, Chili	3
			Peppers, Sweet	1
			Peppers, Chili (dried)[3]	20
			Pumpkins	0.2
			Tomato	2
			Mango	2
			Potato	0.2
			Peanut	0.1
			Citrus fruits	2
			Asparagus	0.1
			Shallot	0.5
			Onion, Bulb	0.5
			Grapes	2
			Meat (from mammals other than marine mammals)	0.05
			Edible offal (Mammalian)	0.1
			Poultry meat	0.1

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Poultry, Edible offal of	0.1
			Eggs	0.05
			Milks	0.05
16	Difenoconazole	Plant: difenoconazole (fat soluble) Animal: sum of difenoconazole and metabolite CGA 205375, expressed as difenoconazole (fat soluble)	Mango	0.6
17	Dimethoate	dimethoate	Sorghum	0.01
			Spices, seeds	5
			Spices, fruits or berries	0.5
			Spices, roots or rhizome	0.1
			Cucumber	1
			Muskmelon	1
			Yard-long bean (pods)	0.05
			Soya bean (dry)	0.1
			Tomato	2
			Cotton seed	0.05
			Citrus fruits	5
			Shallot	0.05
			Onion, Bulb	0.05
			Meat (from mammals other than marine mammals)	0.05
			Mammalian fats (except milk fats)	0.05
			Edible offal (Mammalian)	0.05
			Poultry meat	0.05
			Poultry fats	0.05
			Poultry, Edible offal of	0.05
			Eggs	0.05
			Milks	0.05

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
18	**Diazinon**	Diazinon (fat soluble)	Sweet corn (corn-on-the-cob)	0.02
			Baby corn	0.02
			Maize	0.02
			Sorghum	0.02
			Spices, seeds	5
			Spices, fruits or berries	0.1
			Spices, roots or rhizome	0.5
			Tea leaves (dried)	0.1
			Chinese cabbage / Napa cabbage	0.05
			Chinese broccoli / Chinese kale	0.05
			Brassica Vegetables[4] except Chinese cabbage and Chinese broccoli	0.5
			Coffee beans	0.2
			Cotton seed	0.1
			Meat (from mammals other than marine mammals)	2 (fat)
			Edible offal (Mammalian)	0.03
			Poultry meat	0.02
			Poultry, Edible offal of	0.02
			Eggs	0.02
			Milks	0.02 F
19	**Triazophos**	triazophos	Garlic	0.05
			Sorghum	0.05
			Spices, fruits or berries	0.07
			Spices, roots or rhizome	0.1
			Mung bean (dried)	0.2
			Yard-long bean (pods)	0.4
			Soya bean (dry)	0.05
			Soya bean (succulent seeds)	0.5
			Soya bean (succulent seeds in pods)	1
			Jujube, Indian	0.03

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Coffee beans	0.05
			Peanut	0.05
			Cacao beans	0.05
			Sesame seed	0.05
			Sunflower seed	0.05
			Shallot	0.05
			Onion, Bulb	0.05
			Grapes	0.02
			Cattle meat	0.01
			Poultry meat	0.01
			Milks	0.01
20	**Tebuconazole**	tebuconazole (fat soluble)	Onion, Bulb	0.1
21	**Thiamethoxam**	thiamethoxam	Mango	0.2
		clothianidin	Mango	0.04
22	**Buprofezin**	buprofezin	Cotton seed	0.35
23	**Paraquat**	paraquat cation	Sweet corn (corn-on-the-cob)	0.05
			Baby corn	0.05
			Maize	0.03
			Sorghum	0.03
			Rice, paddy[1]	0.05
			Rice[2]	0.05
			Pulses except Soya bean (dry)	0.5
			Soya bean (dry)	0.1
			Fruits (inedible peel), except Citrus fruits	0.01
			Citrus fruits	0.02
			Leafy vegetables	0.07
			Fruiting vegetables, cucurbits	0.02
			Root and tuber vegetables	0.05
			Tomato	0.05
			Potato	0.05

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Cotton seed	2
			Strawberries	0.01
			Grapes	0.01
			Meat (from mammals other than marine mammals)	0.005
			Edible offal (Mammalian)	0.05
			Poultry meat	0.005
			Poultry, Edible offal of	0.005
			Eggs	0.005
			Milks	0.005
24	**Pirimiphos-methyl**	pirimiphos-methyl (fat soluble)	Sweet corn (corn-on-the-cob)	1
			Baby corn	1
			Maize	1
			Rice, paddy[1]	7
			Rice[2]	5
			Spices, seeds	3
			Spices, fruits or berries	0.5
			Oil Palm	0.1
			Cacao beans	0.05
			Kapok seed	0.1
			Cashew nut	0.1
			Meat (from mammals other than marine mammals)	0.01
			Edible offal (Mammalian)	0.01
			Poultry meat	0.01
			Poultry, Edible offal of	0.01
			Eggs	0.01
			Milks	0.01
25	**Permethrin**	permethrin (sum of isomers) (fat-soluble)	Spices, entire group	0.05
26	**Prochloraz**	sum of prochloraz and its metabolites containing the 2,4,6-trichlorphenol moiety,	Mango	7

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
		expressed as prochloraz (fat soluble)		
27	**Prothiofos**	prothiofos	Mung bean (dry)	0.05
			Peppers, Chili	3
			Peppers, Chili (dried)[3]	20
			Potato	0.05
			Peanut	0.05
28	**Profenofos**	profenofos (fat soluble)	Cabbages, Head	1
			Java apple / Wax jambu / Wax apple / Rose apple	0.05
			Spring onion	0.05
			Soya bean (dry)	0.05
			Durian	0.05
			Cotton seed oil	0.05
			Citrus fruits except Pummelo / Pomelo and Lime	0.1
			Brassica vegetables[4] except Cabbages, Head	0.5
			Peppers, Chili	3
			Peppers, Sweet	0.5
			Peppers, Chili (dried)[3]	20
			Tomato	10
			Lime	0.05
			Mango	0.2
			Mangosteen	10
			Potato	0.05
			Cotton seed	3
			Pummelo / Pomelo	2
			Shallot	0.05
			Onion, Bulb	0.05
			Grapes	0.05
			Meat (from mammals other than marine mammals)	0.05
			Edible offal (Mammalian)	0.05
			Poultry meat	0.05

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Poultry, Edible offal of	0.05
			Eggs	0.02
			Milks	0.01
29	**Fipronil**	<u>Plant</u>: fipronil (fat soluble) <u>Animal</u>: sum of fipronil and fipronil sulfone, expressed as fipronil (fat soluble)	Basil (holy basil)	0.2
			Rice, paddy[1]	0.01
			Rice[2]	0.01
			Yard-long bean (pods)	0.04
			Cotton seed	0.01
			Basil (sweet basil)	0.2
30	**Famoxadone**	famoxadone (fat soluble)	Potato	0.02
31	**Fenvalerate**	fenvalerate (sum of fenvalerate isomers) (fat soluble)	Cabbages, Head	3
			Sweet corn (corn-on-the-cob)	0.1
			Baby corn	0.1
			Yard-long bean (pods)	1
			Soya bean (dry)	0.1
			Oil Palm	0.5
			Chinese cabbage / Napa cabbage	1
			Chinese broccoli / Chinese kale	3
			Brassica vegetables[4] except Chinese cabbage and Chinese kale	2
			Tomato	1
			Mango	1.5
			Potato	0.05
			Cotton seed	0.2
			Peanut	0.1
			Longan	1
			Litchi	1
			Meat (from mammals other than marine mammals)	1 (fat)
			Edible offal (Mammalian)	0.02
			Milks	0.1 F

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
32	**Fenitrothion**	fenitrothion	Sweet corn (corn-on-the-cob)	1
			Baby corn	1
			Maize	1
			Rice, paddy[1]	6
			Rice[2]	1
			Spices, seeds	7
			Spices, fruits or berries	1
			Spices, roots or rhizome	0.1
			Tea (dried leaves)	0.5
			Soya bean (dry)	0.5
			Soya bean (succulent seeds in pods)	0.5
			Coffee beans	0.05
			Meat (from mammals other than marine mammals)	0.05
			Poultry meat	0.05
			Eggs	0.05
			Milks	0.01
33	**Phosalone**	phosalone (fat soluble)	Spices, seeds	2
			Spices, fruits or berries	2
			Spices, roots or rhizome	3
			Spring onion	0.5
			Yard-long bean (pods)	0.5
			Garden pea (young pods)	0.5
			Soya bean (dry)	0.05
			Soya bean (succulent seeds in pods)	0.5
			Durian	1
			Mulberry leaves	0.1
			Brassica vegetables[4]	0.5
			Peppers, Chili	0.5
			Peppers, Sweet	0.5
			Peppers, Chili (dried)[3]	4
			Tomato	0.5

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Eggplant and eggplant-like commodities	0.5
			Citrus fruits	1
			Mangosteen	1
			Cotton seed	1
			Asparagus	0.5
			Shallot	0.5
			Onion, Bulb	0.5
34	**Folpet**	folpet	Rambutan	0.1
35	**Phenthoate**	Phenthoate (fat soluble)	Spices, seeds	7
36	**Malathion**	malathion (fat soluble)	Cauliflower	0.5
			Cabbages, Head	8
			Sweet corn (corn-on-the-cob)	0.02
			Baby corn	0.02
			Maize	0.05
			Sorghum	3
			Spices, seeds	2
			Spices, fruits or berries	1
			Spices, roots or rhizome	0.5
			Spring onion	5
			Broccoli	5
			Citrus fruits except Pummelo / Pomelo	7
			Chinese cabbage / Napa cabbage	8
			Chinese broccoli / Chinese kale	3
			Peppers, Chili	0.1
			Peppers, Chili (dried)[3]	1
			Tomato	0.5
			Cassava	0.5
			Pummelo / Pomelo	0.2
			Shallot	1

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Onion, Bulb	1
			Sugar cane	0.02
37	**Metalaxyl or Metalaxyl-M**	metalaxyl	Sweet corn (corn-on-the-cob)	0.05
			Baby corn	0.05
			Maize	0.05
			Spices, seeds	5
			Cucumber	0.5
			Muskmelon	0.2
			Watermelon	0.2
			Durian	0.5
			Loofah, angled	0.2
			Citrus fruits	5
			Chinese broccoli / Chinese kale	2
			Water spinach / Chinese morning glory	2
			Taro	0.5
			Pepper, Black; White	0.05
			Betel leaves	0.05
			Pumpkins	0.2
			White gourd	0.2
			Tomato	0.2
			Potato	0.05
			Pineapple	0.1
			Onion, Bulb	2
			Grapes	1
38	**Methidathion**	methidathion	Rambutan	0.2
			Durian	0.2
			Custard apple / Sugar apple	0.2
			Citrus fruits	0.5
			Pear or Oriental pear / Chinese pear / Nashi pear / Sand pear / Snow pear	0.1
			Grapes	0.1
			Apple	0.1

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Meat (from mammals other than marine mammals)	0.02
			Edible offal (Mammalian)	0.02
			Poultry meat	0.02
			Poultry, Edible offal of	0.02
			Eggs	0.02
			Milks	0.001
39	Methyl bromide	bromide ion from use of methyl bromide and from all sources but not including covalently bound bromine	Rice[2]	50
		methyl bromide	Rice[2] (To apply at point of entry into a country or at the fumigated area, when the product has been freely exposed to air for a period of at least 24 h after fumigation)	1
			Rice[2] (To apply to commodity at point of retail sale)	0.01
40	Lambda-cyhalothrin	cyhalothrin (sum of all isomers) (fat soluble)	Okra	0.03
			Basil (holy basil)	0.7
			Sorghum	0.2
			Rambutan	0.5
			Mung bean (dry)	0.2
			Soya bean (dry)	0.2
			Soya bean (succulent seeds in pods)	0.2
			Durian	0.5
			Oil Palm	0.2
			Brassica vegetables[4] except Broccoli and Cauliflower	0.3
			Broccoli and Cauliflower	0.5

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Peppers, Chili	0.3
			Peppers, Sweet	0.3
			Peppers, Chili (dried)[3]	3
			Mango	0.2
			Eggplant and eggplant-like commodities	0.3
			Tomato	0.3
			Cacao beans	0.02
			Sesame seed	0.2
			Kapok seed	0.02
			Cotton seed	0.02
			Basil (lemon basil)	0.7
			Basil (tree Basil)	0.7
			Longan	0.2
			Litchi	0.5
			Asparagus	0.02
			Basil (sweet basil)	0.7
41	Azoxystrobin	azoxystrobin (fat soluble)	Mango	0.7
42	Acephate	acephate	Rice, Paddy[1]	1
			Rice[2]	1
			Spices, entire group	0.2
			Mung bean (dry)	0.3
			Soya bean (dry)	0.3
			Potato	0.5
			Coffee beans	0.05
			Cacao beans	0.05
			Cotton seed	2
			Peanut	0.2
			Meat (from mammals other than marine mammals)	0.05
			Edible offal (Mammalian)	0.05
			Poultry meat	0.01

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
			Poultry, Edible offal of	0.01
			Eggs	0.01
			Milks	0.02
43	Atrazine	atrazine	Sweet corn (corn-on-the-cob)	0.1
			Baby corn	0.1
			Maize	0.1
			Pineapple	0.1
			Sugar cane	0.1
44	Abamectin	avermectin B1a (fat soluble)	Watermelon	0.01
			Yard-long bean (pods)	0.01
			Garden pea (young pods)	0.01
			Pak-choi / Bok choy / Choi Sum / Chinese Flowering Cabbage	0.01
			Chinese broccoli / Chinese kale	0.01
			Brassica vegetables[4] except Pak-choi and Chinese broccoli	0.01
			Peppers, Chili	0.005
			Peppers, Sweet	0.09
			Peppers, Chili (dried)[3]	0.5
			Thai egg plant	0.02
			Cotton seed	0.01
			Citrus fruits	0.01
			Meat (from mammals other than marine mammals)	0.01
			Mammalian fats (except milk fats)	0.1
			Edible offal (Mammalian)	0.1
			Poultry meat	0.01
			Poultry, Edible offal of	0.02
			Eggs	0.01
			Milks	0.005

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
45	**Amitraz**	sum of amitraz and N-(2,4-dimethylphenyl)-N'-methylformamidine calculated as N-(2,4-dimethylphenyl)-N'-methylformamidine	Longan	2
46	**Ametryn**	ametryn	Tea (dried leaves)	0.05
			Coffee beans	0.05
			Pineapple	0.05
			Sugar cane	0.05
47	**Imidacloprid**	sum of imidacloprid and its metabolites containing the 6-chloropyridinyl moiety, expressed as imidacloprid	Basil (holy basil)	20
			Okra	0.1
			Rice, paddy[1]	0.05
			Rice[2]	0.05
			Mango	0.4
			Basil (lemon basil)	20
			Basil (tree Basil)	20
			Longan	0.8
			Mandarins	1
			Basil (sweet basil)	20
48	**Ethephon**	**Plant and Animal:** Ethephon (**Cereal grains:** ethephon and its conjugates, expressed as ethephon)	Banana	2
			Cherries	3
			Durian	2
			Mango	2
			Pineapple	2
			Grapes	1
			Apple	1
			Meat (from mammals other than marine mammals)	0.1
			Edible offal (Mammalian)	0.2
			Poultry meat	0.1
			Poultry, Edible offal of	0.2
			Eggs	0.2
			Milks	0.05

No.	Pesticides	Residue Definition	Commodities*	Maximum Residue Limit (mg/kg)
49	**Ethion**	ethion (fat soluble)	Spices, seeds	3
			Spices, fruits or berries	5
			Spices, roots or rhizome	0.3
			Pulses	0.1
			Legume vegetables	0.3
			Peppers, Chili	3
			Peppers, Chili (dried)[3]	20
			Lime	1
			Mandarins	2
			Pummelo / Pomelo	1
50	**Iprodion**	iprodion	Spices, seeds	0.05
			Spices, roots or rhizome	0.1
51	**Omethoate**	omethoate	White lead tree / Lead tree / White popinac (young leave buds)	0.05
			Mung bean (dry)	0.05
			Yard-long bean (pods)	0.05
			Soya bean (dry)	0.05
			Cassava	0.02
			Coffee beans	0.05
			Cotton seed	0.05
52	**Hydrogen Phosphide** In the form of aluminum phosphide or magnesium phosphide or phosphine	Hydrogen Phosphide	Rice[2]	0.1

Note

- Commodities* in case of plant commodities, classified as defined in Thai Agricultural Standard TAS 9045-2016 Classification of agricultural products: Plants and the latest revision.
- Rice, paddy[1] means non-glutinous rice or glutinous rice with husk.
- Rice[2] means paddy rice from which the husk has been removed into brown rice , or the husk has been removed and polishing bran into white rice.

- Peppers, Chili (dried)[3] means dried chili peppers made from chili peppers such as bird chili (*Capsicum frutescens* Linn), chili spur pepper (*Capsicum annnuum* Linn. *Var acuminatum Fingerh*), green pepper (*Capsicum annnuum* Linn.).
- Brassica vegetables[4] means vegetables Group 010 Brassica vegetables, except Brassica leafy vegetables (such as cabbages, head; cauliflower; broccoli) and Subgroup 013B brassica Leafy vegetables (such as Chinese broccoli, Pak-choi)
- "F" indicated after the MRL of milk and milk products for fat-soluble pesticide residues means the MRLs for fat-soluble pesticide residues in milk and milk products expressed on a whole product based. In addition, criteria for using the MRL with "F" are as follows:
  (1) For a "milk product" with a fat content less than 2%, the MRL applied should be as half of those specified for milk.
  (2) For a "milk product" with a fat content of 2% or more, the MRL applied should be 25 times of the established MRL for milk, expressed on a fat basis.
- (fat) indicated after the MRL of meat for fat-soluble pesticide residues means the MRL applied to the fat of meat.

Annex 3

Default Limits for Plant *

Attachment of Notification of the Ministry of Public Health No.387 B.E.2560 (2017)

Re: Food Containing Pesticide Residues (*Pesticide Residues in Food*)

No.	Pesticides	Definition of Residues	Default limits (mg/kg)
1	**Chlormequat**	chlormequat cation	0.1
2	**Carbendazim / Benomyl**	sum of carbendazime, benomyl, and thiophanate-methyl, expressed as carbendazim	0.1
3	**Cypermethrin**	cypermethrin	0.02
4	**Cyfluthrin**	cyfluthrin, sum of isomers (fat soluble)	0.02
5	**Deltamethrin**	sum of deltamethrin and its α-R- and trans-deltamethrin (fat soluble)	0.05
6	**Triadimenol**	sum of triadimefon and triadimenol (fat soluble)	0.1
7	**Triadimefon**	sum of triadimefon and triadimenol (fat soluble)	0.1
8	**Thiabendazole**	thiabendazole	0.1
9	**Bifenthrin**	bifenthrin (sum of isomers) (fat soluble)	0.05
10	**Permethrin**	permethrin (sum of isomers) (fat soluble)	0.1
11	**Fipronil**	fipronil (fat soluble)	0.005
12	**Fenpropathrin**	fenpropathrin (fat soluble)	0.05
13	**Fenvalerate**	fenvalerate (sum of isomers) (fat soluble)	0.02
14	**Lambda-cyhalothrin**	cyhalothrin (sum of all isomers) (fat soluble)	0.05
15	**Acephate**	acephate	0.05
16	**Emamectin benzoate**	Emamectin B1a benzoate	0.005
17	**Omethoate**	omethoate	Not Detected

Note

- Plant * classified as defined in Thai Agricultural Standard TAS 9045-2016 Classification of agricultural products: Plants and the latest revision.

Annex 4

Extraneous Maximum Residue Limit (EMRL)

Attachment of Notification of the Ministry of Public Health No. 387 B.E.2560 (2017)

Re: Food Containing Pesticide Residues (*Pesticide Residues in Food*)

Commodities*	Extraneous Maximum Residue Limit (mg/kg)				
	Aldrin and Dieldrin[1]	Chlordane[2]	DDT[3]	Endrin[4]	Heptachlor[5]
Cereal grains	0.02	0.02	0.1	0.01	0.02
Fruits	0.05	0.02	0.01	0.01	0.01
Herbs and Spices	0.05	0.02	0.01	0.01	0.05
Vegetables	-	0.02	-	-	-
Vegetables; except Fruiting vegetables, Cucurbits and Root and tuber vegetables	0.05	-	-	-	-
Vegetables; except Fruiting vegetables, Cucurbits	-	-	-	0.01	-
Vegetables; except Carrot	-	-	0.01	-	-
Vegetables; except Pulses	-	-	-	-	0.05
Fruiting vegetables, Cucurbits	0.1	-	-	0.05	-
Root and tuber vegetables	0.1	-	-	-	-
Carrot	-	-	0.2	-	-
Pulses	-	-	-	-	0.02
Grasses, for sugar or syrup production	0.05	0.02	0.01	0.01	0.01
Plants for beverage	0.2	0.02	0.01	0.01	0.05
Tree nuts	0.05	0.02	0.01	0.01	0.02
Oilseed	0.05	0.02	0.01	0.01	0.02
Vegetable fats and oils	0.2	0.02	0.05	0.05	0.02
Animal fats and oils	0.2	0.05	1	0.05	0.2
Mamalian meat and edible offal	0.2 (fat)	0.05 (fat)	5 (fat)	0.05 (fat)	0.2 (fat)
Poultry meat and edible offal	0.2 (fat)	0.05 (fat)	0.3 (fat)	0.1 (fat)	0.2 (fat)
Meat of aquatic animals, molluscs (including *Cephalopods*), and invertebrate animals	0.2 (fat)	0.05 (fat)	1 (fat)	0.05 (fat)	0.2 (fat)
Meat of amphibians and reptiles	0.2 (fat)	0.05 (fat)	1 (fat)	0.05 (fat)	0.2 (fat)
Eggs	0.1	0.02	0.1	0.005	0.05
Milks	0.006 F	0.002 F	0.02 F	0.0008 F	0.006 F

Note

- Commodities* in case of plant commodities, classified as defined in Thai Agricultural Standard TAS 9045-2016 Classification of agricultural products: Plants and the latest revision.

- Mark - means Look for 'the commodity field' next down or up that EMRL has been filled

- Specify the analytical procedure to express the amount of pesticide residue as follows :

[1] Aldrin and dieldrin : definition of the residue shall be sum of HHDN and HEOD (fat soluble).

[2] Chlordane : definition of the residue for plant commodities shall be sum of cis- and trans- chlordane (fat soluble), definition of the residue for animal commodities shall be sum of cis- and trans-chlordane and oxychlordane (fat soluble).

[3] DDT : definition of the residue shall be sum of (p, p'-DDT), (o,p'-DDT), (p,p'-DDE) and {p,p'-TDE (DDD)} (fat soluble).

[4] Endrin: definition of the residue shall be sum of endrin and delta-keto-endrin (fat soluble).

[5] Heptachlor : definition of the residue shall be sum of heptachlor and heptachlor epoxide (fat soluble).

- "F" indicated after the MRL of milk and milk products for fat-soluble pesticide residues means the MRLs for fat-soluble pesticide residues in milk and milk products expressed on a whole product based. In addition, criteria for using the MRL with "F" are as follows:

(1) For a "milk product" with a fat content less than 2 %, the MRL applied should be as half of those specified for milk.

(2) For a "milk product" with a fat content of 2 % or more, the MRL applied should be 25 times of the established MRL for milk, expressed on a fat basis.

- (fat) indicated after the MRL of meat for fat-soluble pesticide residues means the MRL applied to the fat of meat.

Annex 5

The analytical methods for pesticide residues in food resulting from the use of pesticides in agriculture

Attachment of Notification of the Ministry of Public Health No. 387 B.E.2560 (2017)
Re: Food Containing Pesticide Residues (*Pesticide Residues in Food*)

The analytical methods for pesticide residues in food resulting from the use of pesticides in agriculture shall be one of the following:

1. Analytical methods issued by National Organizations or International Standards Organizations, or published in the manuals or publications which are internationally recognized.

2. Performance characteristics of pesticide residue analytical methods must be accurate and reliable. Method validation is performed by a collaborative study or single laboratory based on international guidelines. The result shall be in document comply with the latest version of ISO/IEC 17025.

The methods of analysis as stated under items 1 and 2 shall provide the reliable outcome of MRLs/EMRLs.