



THAI AGRICULTURAL STANDARD

TAS 9002-2008

**PESTICIDE RESIDUES:
MAXIMUM RESIDUE LIMITS**

**National Bureau of Agricultural Commodity and Food Standards
Ministry of Agriculture and Cooperatives**

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Since The National Committee on Agricultural Commodity and Food Standards issued a Notification entitled the Thai Agricultural Standards on Pesticide Residues: Maximum Residue Limits (TAS 9002-2006) on 31 July 2006 which was published in the Royal Gazette dated 21 September 2006, the Ministry of Agriculture and Cooperatives considered it deemed necessary to revise this standard as there were changes and developments in relevant scientific information. Therefore, the Ministry of Agriculture and Cooperatives decided to issue the Notification (TAS 9002-2008) to cover Maximum Residue Limits of 40 pesticides. Table 1 of this standard shows these Maximum Residue Limits sorted by pesticides and Table 2 sorted by agricultural commodities. Other pesticides and commodities not yet specified in this standard will be notified in the future.

The establishment of this standard is based on the information of the following documents:

Department of Agriculture. B.E. 2548 (2005). Report of the Studies on Supervised Residue Trials.

FAO/WHO. 2005. Draft and Proposed Draft Maximum Residue Limits in Foods and Feeds, including Spices at Step 7 and 4 (CX/PR 05/37/5). Joint FAO/WHO Food Standard Programme, FAO, Rome.

FAO/WHO. 2006. Draft and Proposed Draft Maximum Residue Limits in Foods and Feeds at Step 7 and 4, including Dried Chili Peppers at step 7 (CX/PR 06/38/5). Joint FAO/WHO Food Standard Programme, FAO, Rome.

FAO/WHO. 2008. Draft and Proposed Draft Maximum Residue Limits in Foods and Feeds at Step 7 and 4 (CX/PR 08/40/3). Joint FAO/WHO Food Standard Programme, FAO, Rome.

WHO. 1997. Guidelines for Predicting Dietary Intake of Pesticide Residues (revised). Prepared by the Global Environment Monitoring System-Food Contamination Monitoring and Assessment Programme (GEMS/Food) in collaboration with Codex Committee on Pesticide Residues, WHO/FSF/FOS/97.7, WHO, Geneva.

Remark:

The standard title has been revised from “Thai Agricultural Commodity and Food Standard (TACFS)” to “Thai Agricultural Standard (TAS)” in accordance with the enforcement of the Agricultural Standards Act B.E. 2551 (2008).



**NOTIFICATION OF THE NATIONAL COMMITTEE ON
AGRICULTURAL COMMODITY AND FOOD STANDARDS
SUBJECT: THAI AGRICULTURAL COMMODITY AND FOOD STANDARD:
PESTICIDE RESIDUES: MAXIMUM RESIDUE LIMITS
B.E. 2551 (2008)**

It is deemed necessary to revise the notification of the National Committee on Agricultural Commodity and Food Standards on Thai Agricultural Commodity and Food Standard entitled Pesticide Residues: Maximum Residue Limits.

The resolution of the 1/2551 session of the National Committee on Agricultural Commodity and Food Standards dated 11 August B.E 2551 (2008) endorsed the Thai Agricultural Commodity and Food Standard entitled Pesticide Residues: Maximum Residue Limits. This standard would be of benefits for quality improvement, facilitating trade and protecting consumers.

By virtue of the Cabinet Resolution on Appointment and Authorization of the National Committee on Agricultural Commodity and Food Standards dated 5 August B.E 2551 (2008), the Notification on Thai Agricultural Commodity and Food Standard entitled Pesticide Residues: Maximum Residue Limits is issued as follows:

1. Revocation of the Notification of the National Committee on Agricultural Commodity and Food Standards subject: Thai Agricultural Commodity and Food Standard: Pesticide Residues: Maximum Residue Limits dated 31 July B.E 2549 (2006); and
2. Establishment of the Thai Agricultural Commodity and Food Standard entitled Pesticide Residues: Maximum Residue Limits to be hereby issued as a voluntary standard, the details of which are attached herewith.

Notified on 14 August B.E. 2551 (2008)

Mr. Somsak Prissana-nanthakul

Minister of Agriculture and Cooperatives

Chairperson of the National Committee on Agricultural Commodity and Food Standards

THAI AGRICULTURAL STANDARD

PESTICIDE RESIDUES: MAXIMUM RESIDUE LIMITS**1. SCOPE**

1.1 This Thai Agricultural Standard covers the established Maximum Residue Limits (MRL) of pesticides in agricultural commodities used as food and animal feed. The use of MRL is aiming for the reference on the production, trade of agricultural commodities, and the control and inspection of commodities on sale, import and export.

1.2 This standard does not cover the Extraneous Maximum Residue Limit (EMRL) as established in the Thai Agricultural Standard entitled “Pesticide Residues: Extraneous Maximum Residue Limit” (TAS 9003).

2 DEFINITIONS

For the purpose of this standard:

2.1 **Commodity** means produces or products obtained from the production of agriculture, livestock, fishery, and forestry, to be used as food, animal feed, or processed as food or animal feed.

2.2 **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 and processing of food, agricultural commodities, or animal feeds 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, and animal drugs.

2.3 **Pesticide residue** means any specified substance in food, agricultural commodities, or animal feed resulting from the use of a pesticide. The term includes any derivatives of a pesticide, such as conversion products, metabolites, reaction product, and impurities considered to be of toxicological significance.

2.4 Maximum Residue Limit (MRL) is the maximum concentration of a pesticide residue on commodity, recommended by National Committee on Agricultural Commodity and Food Standards or other national authorities. The concentration is expressed in milligrams of pesticide residue per kilogram of commodity.

2.5 Extraneous Maximum Residue Limit (EMRL) is the maximum concentration of a pesticide residue arising from environmental sources including the pesticides that their uses have been nationally banned but, because of their persistent properties, the residues still exist in agricultural commodities.

2.6 Definition of residues means pesticide residue and other chemical substances identified to analyse for compliance with MRLs established in this standard.

2.7 Limit of quantitation (LOQ)^{1/} means the lowest concentration of the pesticide residue that can be identified and quantitatively measured in a specified commodity with an acceptable degree of certainty by method of analysis mentioned in section 5.

2.8 The Type Four Hazardous Substance is 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).

3 REQUIREMENTS

3.1 The residues of legally registered pesticides found in food or feed commodities shall not exceed the Maximum Residue Limits (MRLs) as established in Table 1 as attached herewith. The pesticide residues resulting from the uses of the Type Four Hazardous Substance shall not be detected. In case of the pesticides that have been banned for a long period, but the residues still exist in agricultural commodities arising from environmental contamination, these residues found in commodities shall not exceed the Extraneous Maximum Residue Limits (EMRLs) as established in the Thai Agricultural Standard entitled "Pesticide Residue: Extraneous Maximum Residue Limit" (TAS 9003).

3.2 The pesticide residues other than section 3.1, shall not exceed MRLs established by Codex Alimentarius Commission, Joint FAO/WHO Food Standard Programme; Codex.

^{1/} The Limit of Determination (LOD) could be used as the same meaning with this definition.

4 Methods of Sampling and Portion of Commodity for Analysis

4.1 Method of sampling shall comply with the Recommended Methods of Sampling for the Determination of Pesticide Residues for Compliance with MRLs (latest edition), established by Codex Alimentarius Commission, Joint FAO/WHO Food Standard Programme; Codex.

4.2 Portion of commodity for residue analysis shall refer to requirements in the document Portion of Commodities to which Codex MRLs Apply and which is Analyzed (latest edition), established by Codex Alimentarius Commission, Joint FAO/WHO Food Standard Programme; Codex.

5 Methods of analysis

5.1 Methods of pesticide residue analysis shall comply with the Recommended Methods of Analysis for Pesticide Residues (latest edition) established by Codex Alimentarius Commission, Joint FAO/WHO Food Standard Programme; Codex.

5.2 Where the methods referred in section 5.1 are not available nor cover pesticide residue, nor commodity to be analysed, an alternative method shall be selected according to its sensitivity for detecting residue at or below the MRL and its performance characteristics shall be appropriate and in compliance with the following criteria:

5.2.1 The method is issued by the national competent authority or international standards organizations or published in manuals or any other publications as internationally accepted, or

5.2.2 The method is validated through collaborative studies in accordance with internationally accepted guidelines.

5.2.3 Where none of the methods mentioned in section 5.2.1 and 5.2.2 is available, the method that has been appropriately validated by single laboratory validation in accordance with internationally accepted guideline is acceptable.

Table 1**Attachment to Thai Agricultural Standard****Pesticide Residues: Maximum Residue Limits (TAS 9002-2008)****Maximum Residue Limits (sorted by pesticides)**

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Chlorpyrifos	chlorpyrifos	Okra	0.5
		Banana	2
		Rice, husked and polished	0.1
		Spices, seeds	5
		Spices, fruits or berries	1
		Spices, roots or rhizome	1
		Rambutan	0.5
		Peanut	0.05
		Soya bean (dry)	0.05
		Soya bean (immature seeds)	0.1
		Oil Palm	0.05
		Peppers, Chili	0.5
		Peppers, Chili (dried)	5
		Coconut	0.05
		Sweet potato	0.05
		Longan	1
		Litchi	2
		Shallot	0.2
		Onion, Bulb	0.2
		Cattle meat	1 (fat)
		Cattle, Edible offal of	0.01
		Meat of goats and sheep	1 (fat)
		Edible offal of Goat and Sheep	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		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Chlorpyrifos	chlorpyrifos	Milks	0.02
Chlorothalonil	chlorothalonil	Peanut	0.05
		Soya bean (dry)	0.2
		Soya bean (immature seeds)	2
		Chinese cabbage	1
		Kale	4
		Tomato	5
		Potato	0.2
Carbaryl	carbaryl	Lead tree leaves	0.02
		Sweet corn (corn-on-the-cob)	0.1
		Baby corn	0.1
		Maize	0.02
		Sorghum	0.5
		Rice, husked and polished	1
		Rambutan	1
		Cucumber and other Cucurbits except Watermelon	3
		Watermelon	1
		Peanut	2
		Durian	1
		Oil Palm	0.02
		Brassica Vegetables	5
		Peppers, Chili	0.5
		Peppers, Chili (dried)	2
		Peppers, Sweet	5
		Coconut	0.02
		Mango	1
		Mangosteen	1
		Potato	0.2
		Cacao beans	0.02
		Cashew nut	1
		Longan	1
Litchi	1		
Citrus fruits	15		
Sugar cane	0.02		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Carbaryl	carbaryl	Grapes	5
		Meat (from mammals other than marine mammals)	0.05
		Edible offal (Mammalian)	1
		Poultry meat	0.05
		Eggs	0.5
		Milks	0.05
Carbendazim / Benomyl	sum of carbendazim, benomyl and thiophanate-methyl, expressed as carbendazim	Chives	3
		Rice, husked and polished	2
		Rambutan	3
		Spring onion	3
		Mung bean (dry)	0.5
		Peanut	0.1
		Soya bean (dry)	0.5
		Soya bean (immature seeds)	3
		Mulberry leaves	0.1
		Peppers, Chili	2
		Peppers, Chili (dried)	15
		Tomato	0.5
		Mango	5
		Cotton seed	0.1
		Asparagus	0.2
		Shallot	3
		Onion, Bulb	3
		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		
Carbosulfan	carbosulfan	Okra	0.5
		Lead tree leaves	0.2

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Carbosulfan	carbosulfan	Sweet corn (corn-on-the-cob)	0.05
		Baby corn	0.05
		Maize	0.05
		Sorghum	0.05
		Rice, husked and polished	0.2
		Rambutan	0.2
		Cucumber and other 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
		Peanut	0.05
		Soya bean (dry)	0.05
		Soya bean (immature seeds)	0.5
		Durian	0.2
		Oil Palm	0.05
		Brassica Vegetables	0.5
		Peppers, Chili	0.5
		Peppers, Chili (dried)	5
		Tomato	0.5
		Thai egg plant	0.5
		Egg plant	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
		Cotton seed	0.05
Linseed	0.05		
Citrus fruits	0.1		
Asparagus	0.5		
Grapes	0.1		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Carbosulfan	carbosulfan	Meat (from mammals other than marine mammals)	0.05
		Edible offal (Mammalian)	0.05
		Poultry meat	0.05
		Poultry, Edible offal of	0.05
		Eggs	0.05
		Milks	0.03
Carbosulfan	sum of carbofuran, 3-hydroxy carbofuran and (conjugated 3-Hydroxycarbofuran), expressed as carbofuran	Okra	0.5
		Lead tree leaves	0.2
		Rambutan	0.1
		Garden pea (young pods)	0.2
		Durian	0.1
		Oil Palm	0.1
		Brassica Vegetables	0.2
		Peppers, Chili	0.5
		Peppers, Chili (dried)	5
		Thai egg plant	0.5
		Egg plant	0.5
		Coconut	0.1
		Sweet potato	0.2
		Potato	0.1
		Cacao beans	0.05
		Sesame seed	0.1
		Sunflower seed	0.05
		Linseed	0.1
		Citrus fruits	0.1
Asparagus	0.5		
Grapes	0.1		
Carbofuran	sum of carbofuran, 3-hydroxycarbofuran, and conjugated 3-Hydroxycarbofuran expressed as carbofuran	Banana	0.1
		Sweet corn (corn-on-the-cob)	0.1
		Baby corn	0.1
		Maize	0.05
		Sorghum	0.1
		Rice, husked and polished	0.1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Carbofuran	sum of carbofuran, 3-hydroxycarbofuran, and conjugated 3-hydroxycarbofuran expressed as carbofuran	Cucumber and other Cucurbits except Watermelon	0.3
		Watermelon	0.1
		Mung bean (dry)	0.2
		Yard-long bean (pods)	0.1
		Peanut	0.1
		Soya bean (dry)	0.2
		Soya bean (immature seeds)	0.5
		Pepper, Black and White	1
		Tomato	0.1
		Cassava	0.2
		Coffee beans	1
		Cotton seed	0.1
		Sugar cane	0.1
		Meat (from mammals other than marine mammals)	0.05
		Edible offal (Mammalian)	0.05
		Poultry meat	0.08
		Poultry, Edible offal of	0.08
		Eggs	0.1
Milks	0.05		
Captan	captan	Barley	0.1
		Peanut	5
		Soya bean (dry)	5
		Soya bean (immature seeds)	5
		Oil Palm	5
		Mango	5
		Cotton seed	5
		Grapes	10
Quintozene	quintozene	Spices, seeds	0.1
		Spices, fruits or berries	0.02
		Spices, roots or rhizomes	2
Cypermethrin	cypermethrin	Okra	0.5
		Sweet corn (corn-on-the-cob)	0.05
		Baby corn	0.05

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Cypermethrin	cypermethrin	Maize	0.05
		Spices, fruits or rhizomes	0.1
		Spices, roots or rhizomes	0.2
		Yard-long bean (pods)	0.05
		Garden pea (young pods)	0.05
		Soya bean (dry)	0.05
		Soya bean (immature seeds)	5
		Durian	1
		Brassica Vegetables	1
		Peppers, Chili	1
		Peppers, Chili (dried)	5
		Tomato	0.5
		Eggplant, Thai eggplant and other eggplant-type commodities, except Tomato	0.2
		Mango	0.5
		Cotton seed	0.2
		Longan	1
		Litchi	0.5
		Citrus fruits	2
		Asparagus	0.5
		Shallot	0.1
		Onion, Bulb	0.1
		Sugar cane	0.05
		Meat (from mammals other than marine mammals)	0.2 (fat)
		Edible offal (Mammalian)	0.05
Poultry meat	0.05		
Poultry, Edible offal of	0.05		
Eggs	0.05		
Milks	0.05 F		
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, husked and polished	0.1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
2, 4-D	sum of 2,4-D and its salts and esters, expressed as 2,4-D	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
Deltamethrin	sum of deltamethrin alpha-R and trans- deltamethrin (fat soluble)	Garlic	0.1
		Sweet corn (corn-on-the-cob)	0.05
		Baby corn	0.05
		Maize	1
		Spring onion	0.5
		Yard-long bean (pods)	0.2
		Oil Palm	0.05
		Pak-choi	0.5
		Chinese cabbage	0.5
		Kale	0.5
		Brassica Vegetables except Chinese Cabbages, Pak-choi and Kale	0.1
		Peppers, Chili	0.5
		Peppers, Chili (dried)	5
		Tomato	0.3
		Mango	0.5
		Cotton seed	0.05
		Cashew nut	0.02
		Asparagus	0.5
		Shallot	0.1
		Onion, Bulb	0.05
		Sugar cane	0.05
		Cattle meat	0.5 (fat)
Cattle, Edible offal of	0.03		
Meat of Goats and Sheep	0.5 (fat)		
Edible offal of Goat and Sheep	0.03		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Deltamethrin	sum of deltamethrin alpha-R and trans- deltamethrin (fat soluble)	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
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
Dicofol	Plant commodities : dicofol (sum of o,p' & p,p'- isomers) (fat soluble) Animal commodities : 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 rhizomes	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	0.1F
Groups of dithiocarbamates: zineb, thiram, propineb, maneb, and mancozeb	total dithiocarbamates, determined and expresses as CS₂	Okra	0.2
		Garlic	0.5
		Rice, husked and polished	0.05
		Rambutan	4
		Spring onion	10
		Cucumber	2
		Melon except Watermelon	0.5
		Watermelon	1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Groups of dithiocarbamates: zineb, thiram, propineb, maneb, and mancozeb	total dithiocarbamates, determined and expresses as CS ₂	Peanut	0.1
		Soya bean (dry)	0.06
		Soya bean (immature seeds)	0.2
		Durian	5
		Oil Palm	0.1
		Chinese cabbage	5
		Kale	15
		Fruiting Vegetables-Cucurbits, except Cucumber, Melons, Watermelon and Pumpkins	1
		Water spinach	0.3
		Taro	0.1
		Peppers, Chili	2
		Peppers, Sweet	1
		Pumpkins	0.2
		Tomato	2
		Lime	2
		Mango	2
		Potato	0.2
		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		
Poultry, Edible offal of	0.1		
Eggs	0.05		
Milks	0.05		
Dimethoate	dimethoate	Sorghum	0.01
		Spices, seeds	5
		Spices, fruits or berries	0.5
		Spices, roots or rhizomes	0.1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Dimethoate	dimethoate	Cucumber and other Cucurbits except Watermelon	1
		Yard-long bean (pods)	1
		Beans (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
		Fat (Mammalian)	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
Diazinon	diazinon	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
		Teas	0.1
		Chinese cabbage	0.05
		Kale	0.05
		Brassica Vegetables, except Chinese cabbage and Kale	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

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Diazinon	diazinon	Eggs	0.02
		Milks	0.02 F
Triazophos	triazophos	Garlic	0.05
		Sorghum	0.05
		Mung bean (dry)	0.2
		Peanut	0.05
		Soya bean (dry)	0.05
		Soya bean (immature seeds)	0.2
		Jujube	0.2
		Coffee beans	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		
Permethrin	permethrin	Spices-entire group	0.05
Paraquat	paraquat cation	Sweet corn (corn-on-the-cob)	0.05
		Baby corn	0.05
		Maize	0.1
		Sorghum	0.03
		Rice, husked and polished	0.1
		Cucumber and other cucurbits	0.02
		Beans (dry)	0.5
		Soya bean (dry)	0.1
		Fruits (inedible peel), except Citrus fruits	0.01
		Leafy vegetables	0.07
		Root and tuber vegetables	0.05
		Tomato	0.05
		Potato	0.2
Cotton seed	0.2		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Paraquat	paraquat cation	Strawberry	0.01
		Citrus fruits	0.02
		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
Pirimiphos-methyl	pirimiphos-methyl	Sweet corn (corn-on-the-cob)	1
		Baby corn	1
		Maize	1
		Rice, husked and polished	7
		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		
Prothiofos	prothiofos	Mung bean (dry)	0.05
		Peanut	0.05
		Peppers, Chili	3
		Potato	0.05
Profenofos	profenofos	Cabbages, Head	1
		Rose apple	0.05
		Spring onion	0.05
		Soya bean (dry)	0.05

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Profenofos	profenofos	Durian	0.05
		Cotton seed oil	0.05
		Brassica Vegetables, except Cabbages, Head	0.5
		Peppers, Chili	5
		Peppers, Chili (dried)	35
		Peppers, Sweet	0.5
		Tomato	2
		Lime	0.05
		Mango	0.2
		Mangosteen	5
		Cotton seed	2
		Citrus fruits	0.1
		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
		Poultry, Edible offal of	0.05
		Eggs	0.02
Milks	0.01		
Fenvalerate	fenvalerate	Cabbages, Head	3
		Sweet corn (corn-on-the-cob)	0.1
		Baby corn	0.1
		Yard-long bean (pods)	1
		Peanut	0.1
		Soya bean (dry)	0.1
		Oil Palm	0.5
		Chinese cabbage	1
		Kale	10
		Brassica Vegetables, except Chinese cabbage and Kale	2
		Tomato	1
		Mango	1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Fenvalerate	fenvalerate	Potato	0.05
		Cotton seed	0.2
		Longan	1
		Litchi	1
		Meat (from mammals other than marine mammals)	1 (fat)
		Edible offal (Mammalian)	0.02
		Milks	0.1 F
Fenitrothion	fenitrothion	Sweet corn (corn-on-the-cob)	1
		Baby corn	1
		Maize	1
		Rice, husked and polished	1
		Spices, seeds	7
		Spices, fruits or berries	1
		Spices, roots of rhizomes	0.1
		Teas	0.5
		Soya bean (dry)	0.5
		Soya bean (immature seeds)	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		
Phosalone	phosalone	Spices, seeds	2
		Spices, fruits or berries	2
		Spices, roots of rhizomes	3
		Spring onion	1
		Yard-long bean (pods)	1
		Garden pea (young pods)	1
		Soya bean (dry)	0.05
		Soya bean (immature seeds)	0.5
		Durian	1
		Mulberry leaves	0.1
		Brassica Vegetables	1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Phosalone	phosalone	Peppers, Chili	1
		Peppers, Chili (dried)	7
		Peppers, Sweet	1
		Tomato	1
		Thai egg plant	1
		Egg plant	0.5
		Mangosteen	1
		Cotton seed	1
		Citrus fruits	1
		Asparagus	0.5
		Shallot	1
Onion, Bulb	1		
Folpet	folpet	Rambutan	0.1
Phenthoate	phenthoate	Spices, seed	7
Malathion	malathion	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 rhizomes	0.5
		Cauliflower	0.5
		Spring onion	5
		Broccoli	5
		Chinese cabbage	8
		Kale	3
		Peppers, Chili	0.1
		Peppers, Chili (dried)	1
		Tomato	0.5
		Cassava	0.5
		Citrus fruits	7
		Shallot	1
Onion, Bulb	1		
Sugar cane	0.01		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Metalaxyl	metalaxyl	Sweet corn (corn-on-the-cob)	0.05
		Baby corn	0.05
		Maize	0.05
		Spices, seeds	5
		Cucumber	0.5
		Melon except Watermelon	0.2
		Watermelon	0.2
		Durian	1
		Angled loofah	0.2
		Kale	2
		Water spinach (KangKuag)	2
		Taro	0.5
		Pepper, Black; White	0.05
		Betel leaves	0.05
		Pumpkins	2
		Wax gourd	0.2
		Potato	0.05
		Citrus fruits	5
		Pineapple	1
		Onion, Bulb	2
Grapes	1		
Methidathion	methidathion	Rambutan	0.5
		Durian	0.5
		Custard apple	0.5
		Pear	0.2
		Citrus fruits	0.5
		Grapes	0.2
		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

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Methomyl	sum of methomyl and thiodicarb, expressed as methomyl	Okra	2
		Sweet corn (corn-on-the-cob)	0.1
		Baby corn	0.1
		Maize	0.02
		Sorghum	0.2
		Cucumber and other Cucurbits except Watermelon	0.2
		Watermelon	0.2
		Mung bean (dry)	0.05
		Yard-long bean (pods)	1
		Peanut	0.1
		Soya bean (dry)	0.2
		Soya bean (immature seeds)	0.1
		Soya bean oil	0.2
		Cotton seed oil	0.04
		Pear	0.2
		Peppers, Chili	0.7
		Peppers, Chili (dried)	5
		Tomato	0.5
		Eggplant, Thai eggplant and other eggplant-type commodities, except Tomato	0.2
		Lime	1
		Potato	0.02
		Sesame seed	0.2
		Cotton seed	0.2
		Citrus fruits	1
		Asparagus	2
		Shallot	0.2
		Onion, Bulb	0.2
		Grapes	1
Apple	0.2		
Meat (from mammals other than marine mammals)	0.02		
Edible offal (Mammalian)	0.02		
Poultry meat	0.02		

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Methomyl	sum of methomyl and thiodicarb, expressed as methomyl	Poultry, Edible offal of	0.02
		Eggs	0.02
		Milks	0.02
Lambda-cyhalothrin	lambda-cyhalothrin	Okra	0.2
		Sorghum	0.2
		Rambutan	0.5
		Mung bean (dry)	0.2
		Soya bean (dry)	0.2
		Soya bean (immature seeds)	0.2
		Durian	0.5
		Oil Palm	0.02
		Brassica Vegetables	0.2
		Mango	0.1
		Cacao beans	0.02
		Sesame seed	0.2
		Kapok seed	0.02
		Cotton seed	0.02
		Longan	0.5
Litchi	0.5		
Asparagus	0.02		
Acephate	acephate	Spices, entire group	0.2
		Mung bean (dry)	0.02
		Peanut	0.02
		Coffee beans	0.02
		Cacao beans	0.02
		Cotton seed	2
		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	0.02
Atrazine	atrazine	Sweet corn (corn-on-the-cob)	0.1
		Baby corn	0.1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Atrazine	atrazine	Maize	0.1
		Pineapple	0.1
		Sugar cane	0.1
Abamectin	abamectin	Watermelon	0.01
		Yard-long bean (pods)	0.01
		Garden pea (young pods)	0.01
		Pak-choi	0.01
		Kale	0.01
		Brassica Vegetables	0.01
		Peppers, Chili	0.02
		Peppers, Chili (dried)	0.2
		Peppers, Sweet	0.02
		Thai egg plant	0.02
		Lime	0.01
		Cotton seed	0.01
		Citrus fruits	0.01
		Grapes	0.01
		Meat (from mammals other than marine mammals)	0.01
		Fat (Mammalian)	0.1
		Edible offal (Mammalian)	0.1
		Poultry meat	0.01
		Poultry, Edible offal of	0.02
		Eggs	0.01
Milks	0.005		
Ametryn	ametryn	Teas	0.05
		Coffee beans	0.05
		Pineapple	0.05
		Sugar cane	0.2
Ethephon	ethephon	Banana	2
		Cherries	3
		Durian	2
		Mango	2
		Pineapple	2
		Grapes	1

Pesticides	Definition of residues	Commodities	Maximum Residue Limit (MRL) (mg/kg)
Ethephon	ethephon	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
Ethion	ethion	Spices, seeds	3
		Spices, fruits or berries	5
		Spices, roots or rhizomes	0.3
		Cucumber and other cucurbits, except Watermelon	0.3
		Beans (dry)	1
		Bean and Peas (green pods and immature seeds)	1
		Peppers, Chili	3
		Peppers, Chili (dried)	20
		Tomato	0.3
		Eggplant, Thai eggplant and other eggplant-type commodities, except Tomato	0.3
		Lime	1
		Citrus fruits	1
Iprodion	iprodion	Spices, seeds	0.05
		Spices, roots or rhizomes	0.1
Omethoate	omethoate	Lead tree leaves	0.01
		Mung bean (dry)	0.05
		Soya bean (dry)	0.05
		Cassava	0.05
		Coffee beans	0.01
		Cotton seed	0.05

Explanatory notes

- Spices, seeds: The commodities in this group include, but not limited to, fennel, coriander seed.
- Spices, fruits or berries: The commodities in this group include, but not limited to, pepper (black, white), cardamom, and anise.
- Spices, roots or rhizomes: The commodities in this group include, but not limited to, ginger, galangal, and turmeric.
- Spices, entire group: The commodities in this group include, but not limited to, seeds, fruits or berries, roots or rhizomes, bark (such as cinnamon bark), buds (such as cloves) and all other spices.
- Peppers, Chili (dried) in this standard means dried chili peppers made from chili peppers such as birds chili peppers.
- (fat) indicated after the MRLs of meat for fat-soluble pesticide residues means the MRL applied to the fat of meat.
- “F” indicated after the MRLs 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.

Table 2

Attachment to Thai Agricultural Standard

Pesticide Residues: Maximum Residue Limits (TAS 9002-2008)

Maximum Residue Limits (sorted by commodity)

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Okra	chlorpyrifos	0.5
	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.5
	cypermethrin	0.5
	dithiocarbamates ^{4/}	0.2
	methomyl	2
	lambda-cyhalothrin	0.2
Lead tree leaves	carbaryl	0.02
	carbosulfan ^{2/}	0.2
	carbosulfan ^{3/}	0.2
	omethoate	0.01
Garlic	deltamethrin	0.1
	dithiocarbamates ^{4/}	0.5
	triazophos	0.05
Banana	chlorpyrifos	2
	carbofuran	0.1
	ethephon	2
Cabbages, Head	profenofos	1
	fenvalerate	3
	malathion	8
Chives	carbendazim/benomyl	3
Barley	captan	0.1
Sweet corn (corn-on-the-cob)	carbaryl	0.1
	carbosulfan ^{2/}	0.05
	carbofuran	0.1
	cypermethrin	0.05
	2, 4-D	0.05
	deltamethrin	0.05
	diazinon	0.02
	paraquat	0.05
	pirimiphos-methyl	1
fenvalerate	0.1	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Sweet corn (corn-on-the-cob)	fenitrothion	1
	malathion	0.02
	metalaxyl	0.05
	methomyl	0.1
	atrazine	0.1
Baby corn	carbaryl	0.1
	carbosulfan ^{2/}	0.05
	carbofuran	0.1
	cypermethrin	0.05
	2, 4-D	0.05
	deltamethrin	0.05
	diazinon	0.02
	paraquat	0.05
	pirimiphos-methyl	1
	fenvalerate	0.1
	fenitrothion	1
	malathion	0.02
	metalaxyl	0.05
	methomyl	0.1
atrazine	0.1	
Maize	carbaryl	0.02
	carbosulfan ^{2/}	0.05
	carbofuran	0.05
	cypermethrin	0.05
	2, 4-D	0.05
	deltamethrin	1
	diazinon	0.02
	paraquat	0.1
	pirimiphos-methyl	1
	fenitrothion	1
	malathion	0.05
	metalaxyl	0.05
	methomyl	0.02
	atrazine	0.1
Sorghum	carbaryl	0.5
	carbosulfan ^{2/}	0.05
	carbofuran	0.1
	2, 4-D	0.01
	dimethoate	0.01

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Sorghum	diazinon	0.02
	triazophos	0.05
	paraquat	0.03
	malathion	3
	methomyl	0.2
	lambda-cyhalothrin	0.2
Rice, husked and polished	chlorpyrifos	0.1
	carbaryl	1
	carbendazim/benomyl	2
	carbosulfan ^{2/}	0.2
	carbofuran	0.1
	2, 4-D	0.1
	dithiocarbamates ^{4/}	0.05
	paraquat	0.1
	pirimiphos-methyl	7
	fenitrothion	1
Spices, seeds	chlorpyrifos	5
	quintozene	0.1
	dicofol	0.05
	dimethoate	5
	diazinon	5
	pirimiphos-methyl	3
	fenitrothion	7
	phosalone	2
	phenthoate	7
	malathion	2
	metalaxyl	5
	ethion	3
	iprodion	0.05
Spices, fruits or berries	chlorpyrifos	1
	quintozene	0.02
	cypermethrin	0.1
	dicofol	0.1
	dimethoate	0.5
	diazinon	0.1
	pirimiphos-methyl	0.5
	fenitrothion	1
	phosalone	2
	malathion	1

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Spices, fruits or berries	ethion	5
Spices, roots or rhizomes	chlorpyrifos	1
	quintozene	2
	cypermethrin	0.2
	dicofol	0.1
	dimethoate	0.1
	fenitrothion	0.1
	phosalone	3
	malathion	0.5
	ethion	0.3
iprodion	0.1	
Spices, entire group	dichlorvos	0.1
	permethrin	0.05
	acephate	0.2
Cereal grains	dichlorvos	0.2
Rambutan	chlorpyrifos	0.5
	carbaryl	1
	carbendazim/benomyl	3
	carbosulfan ^{2/}	0.2
	carbosulfan ^{3/}	0.1
	dithiocarbamates ^{4/}	4
	folpet	0.1
	methidathion	0.5
lambda-cyhalothrin	0.5	
Rose apple	profenofos	0.05
Teas	diazinon	0.1
	fenitrothion	0.5
	ametryn	0.05
Cherries	ethephon	3
Cauliflower	malathion	0.5
Spring onion	carbendazim/benomyl	3
	2, 4-D	0.05
	deltamethrin	0.5
	dithiocarbamates ^{4/}	10
Spring onion	profenofos	0.05
	phosalone	1
	malathion	5
Cucumber	dicofol	0.5
	dithiocarbamates ^{4/}	2

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Cucumber	metalaxyl	0.5
Cucumber and other cucurbits	paraquat	0.02
Cucumber and other Cucurbits, except watermelon	carbaryl	3
	carbosulfan ^{2/}	0.5
	carbofuran	0.3
	dimethoate	1
	methomyl	0.2
	ethion	0.3
Fruiting Vegetables- Cucurbits, except Cucumber, Melons, Watermelon and Pumpkins	dithiocarbamates ^{4/}	1
Melons except Watermelon	dithiocarbamates ^{4/}	0.5
	metalaxyl	0.2
Watermelon	carbaryl	1
	carbosulfan ^{2/}	0.2
	carbofuran	0.1
	dithiocarbamates ^{4/}	1
	metalaxyl	0.2
	methomyl	0.2
	abamectin	0.01
Mung bean (dry)	carbendazim/benomyl	0.5
	carbosulfan ^{2/}	0.05
	carbofuran	0.2
	dicofol	0.1
	triazophos	0.2
	prothiofos	0.05
	methomyl	0.05
	lambda-cyhalothrin	0.2
	acephate	0.02
	omethoate	0.05
Yard-long bean (pods)	carbosulfan ^{2/}	0.1
	carbofuran	0.1
	cypermethrin	0.05
	deltamethrin	0.2
	dimethoate	1
	fenvalerate	1
	phosalone	1

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Yard-long bean (pods)	methomyl	1
	abamectin	0.01
Beans (dry)	dimethoate	0.1
	paraquat	0.5
	ethion	1
Garden pea (young pods)	carbosulfan ^{2/}	0.1
	carbosulfan ^{3/}	0.2
	cypermethrin	0.05
	phosalone	1
	abamectin	0.01
Peanut	chlorpyrifos	0.05
	chlorothalonil	0.05
	carbaryl	2
	carbendazim/benomyl	0.1
	carbosulfan ^{2/}	0.05
	carbofuran	0.1
	captan	5
	dithiocarbamates ^{4/}	0.1
	triazophos	0.05
	prothiofos	0.05
	fenvalerate	0.1
	methomyl	0.1
acephate	0.02	
Beans and Peas (green pods and immature seeds)	ethion	1
Soya bean (dry)	chlorpyrifos	0.05
	chlorothalonil	0.2
	carbendazim/benomyl	0.5
	carbosulfan ^{2/}	0.05
	carbofuran	0.2
	captan	5
	cypermethrin	0.05
	dicofol	0.05
	dithiocarbamates ^{4/}	0.06
	triazophos	0.05
	paraquat	0.1
	profenofos	0.05
	fenvalerate	0.1
fenitrothion	0.5	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Soya bean (dry)	phosalone	0.05
	methomyl	0.2
	lambda-cyhalothrin	0.2
	omethoate	0.05
Soya bean (immature seeds)	chlorpyrifos	0.1
	chlorothalonil	2
	carbendazim/benomyl	3
	carbosulfan ^{2/}	0.5
	carbofuran	0.5
	captan	5
	cypermethrin	5
	dithiocarbamates ^{4/}	0.2
	triazophos	0.2
	fenitrothion	0.5
	phosalone	0.5
	methomyl	0.1
	lambda-cyhalothrin	0.2
Durian	carbaryl	1
	carbosulfan ^{2/}	0.2
	carbosulfan ^{3/}	0.1
	cypermethrin	1
	dithiocarbamates ^{4/}	5
	profenofos	0.05
	phosalone	1
	metalaxyl	1
	methidathion	0.5
	lambda-cyhalothrin	0.5
	ethephon	2
Custard apple	methidathion	0.5
Soya bean oil	methomyl	0.2
Cotton seed oil	profenofos	0.05
	methomyl	0.04
Broccoli	malathion	5
Angled loofah	metalaxyl	0.2
Mulberry leaves	carbendazim/benomyl	0.1
	phosalone	0.1
Oil Palm	chlorpyrifos	0.05
	carbaryl	0.02
	carbosulfan ^{2/}	0.05

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Oil Palm	carbosulfan ^{3/}	0.1
	captan	5
	deltamethrin	0.05
	dithiocarbamates ^{4/}	0.1
	pirimiphos-methyl	0.1
	fenvalerate	0.5
	lambda-cyhalothrin	0.02
Fruits (inedible peel), except Citrus fruits	paraquat	0.01
Pear	methidathion	0.2
	methomyl	0.2
Pak-choi	deltamethrin	0.5
	abamectin	0.01
Chinese cabbage	chlorothalonil	1
	deltamethrin	0.5
	dithiocarbamates ^{4/}	5
	diazinon	0.05
	fenvalerate	1
	malathion	8
Kale	chlorothalonil	4
	deltamethrin	0.5
	dithiocarbamates ^{4/}	15
	diazinon	0.05
	fenvalerate	10
	malathion	3
	metalaxyl	2
	abamectin	0.01
Brassica Vegetables	carbaryl	5
	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.2
	cypermethrin	1
	phosalone	1
	lambda-cyhalothrin	0.2
	abamectin	0.01
Brassica Vegetables except Cabbages, Head	profenofos	0.5
Brassica Vegetables except Chinese Cabbages, Pak-choi and Kale	deltamethrin	0.1

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Brassica Vegetables except Chinese Cabbages and Kale	diazinon	0.5
	fenvalerate	2
Water spinach (Kang Kung)	dithiocarbamates ^{4/}	0.3
	metalaxyl	2
Leafy vegetables	paraquat	0.07
Root and Tuber vegetables	paraquat	0.05
Taro	dithiocarbamates ^{4/}	0.1
	metalaxyl	0.5
Peppers, Chili	chlorpyrifos	0.5
	carbaryl	0.5
	carbendazim/benomyl	2
	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.5
	cypermethrin	1
	deltamethrin	0.5
	dithiocarbamates ^{4/}	2
	prothiofos	3
	profenofos	5
	phosalone	1
	malathion	0.1
	methomyl	0.7
	abamectin	0.02
ethion	3	
Pepper, Black; White	carbofuran	1
	metalaxyl	0.05
Peppers, Sweet	carbaryl	5
	dithiocarbamates ^{4/}	1
	profenofos	0.5
	phosalone	1
	abamectin	0.02
Peppers, Chili (dried)	chlorpyrifos	5
	carbaryl	2
	carbendazim/benomyl	15
	carbosulfan ^{2/}	5
	carbosulfan ^{3/}	5
	cypermethrin	5
	deltamethrin	5
	profenofos	35
phosalone	7	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Peppers, Chili (dried)	malathion	1
	methomyl	5
	abamectin	0.2
	ethion	20
Betel leaves	metalaxyl	0.05
Jujube	triazophos	0.2
Pumpkins	dithiocarbamates ^{4/}	0.2
	metalaxyl	2
Wax gourd	metalaxyl	0.2
Tomato	chlorothalonil	5
	carbendazim/benomyl	0.5
	carbosulfan ^{2/}	0.5
	carbofuran	0.1
	cypermethrin	0.5
	deltamethrin	0.3
	dicofol	1
	dithiocarbamates ^{4/}	2
	dimethoate	2
	paraquat	0.05
	profenofos	2
	fenvalerate	1
	phosalone	1
	malathion	0.5
	methomyl	0.5
ethion	0.3	
Thai egg plant	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.5
	phosalone	1
	abamectin	0.02
Egg plant	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.5
	phosalone	0.5
Eggplant and Thai eggplant and eggplant-type commodities, except Tomato	cypermethrin	0.2
	methomyl	0.2
	ethion	0.3
Lime	dithiocarbamates ^{4/}	2
	profenofos	0.05
	methomyl	1
	abamectin	0.01

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Lime	ethion	1
Coconut	chlorpyrifos	0.05
	carbaryl	0.02
	carbosulfan ^{2/}	0.2
	carbosulfan ^{3/}	0.1
Mango	carbaryl	1
	carbendazim/benomyl	5
	captan	5
	cypermethrin	0.5
	deltamethrin	0.5
	dithiocarbamates ^{4/}	2
	profenofos	0.2
	fenvalerate	1
	lambda-cyhalothrin	0.1
ethephon	2	
Mangosteen	carbaryl	1
	profenofos	5
	phosalone	1
Sweet potato	chlorpyrifos	0.05
	carbosulfan ^{2/}	0.05
	carbosulfan ^{3/}	0.2
Potato	chlorothalonil	0.2
	carbaryl	0.2
	carbosulfan ^{2/}	0.05
	carbosulfan ^{3/}	0.1
	dithiocarbamates ^{4/}	0.2
	paraquat	0.2
	prothiofos	0.05
	fenvalerate	0.05
	metalaxyl	0.05
	methomyl	0.02
Cassava	carbofuran	0.2
	malathion	0.5
	omethoate	0.05
Coffee beans	carbosulfan ^{2/}	0.05
	carbofuran	1
	diazinon	0.2
	triazophos	0.05
	fenitrothion	0.05

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Coffee beans	acephate	0.02
	ametryn	0.05
	omethoate	0.01
Cacao beans	carbaryl	0.02
	carbosulfan ^{2/}	0.05
	carbosulfan ^{3/}	0.05
	triazophos	0.05
	pirimiphos-methyl	0.05
	lambda-cyhalothrin	0.02
	acephate	0.02
Sesame seed	carbosulfan ^{2/}	0.2
	carbosulfan ^{3/}	0.1
	triazophos	0.05
	methomyl	0.2
	lambda-cyhalothrin	0.2
Sunflower seed	carbosulfan ^{2/}	0.05
	carbosulfan ^{3/}	0.05
	triazophos	0.05
Kapok seed	pirimiphos-methyl	0.1
	lambda-cyhalothrin	0.02
Cotton seed	carbendazim/benomyl	0.1
	carbosulfan ^{2/}	0.05
	carbofuran	0.1
	captan	5
	cypermethrin	0.2
	deltamethrin	0.05
	dimethoate	0.05
	diazinon	0.1
	paraquat	0.2
	profenofos	2
	fenvalerate	0.2
	phosalone	1
	methomyl	0.2
	lambda-cyhalothrin	0.02
	acephate	2
Cashew nut	carbaryl	1
	deltamethrin	0.02

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Cashew nut	pirimiphos-methyl	0.1
Linseed	carbosulfan ^{2/}	0.05
	carbosulfan ^{3/}	0.1
Longan	chlorpyrifos	1
	carbaryl	1
	cypermethrin	1
	fenvalerate	1
	lambda-cyhalothrin	0.5
Litchi	chlorpyrifos	2
	carbaryl	1
	cypermethrin	0.5
	fenvalerate	1
	lambda-cyhalothrin	0.5
Strawberry	paraquat	0.01
Citrus fruits	carbaryl	15
	carbosulfan ^{2/}	0.1
	carbosulfan ^{3/}	0.1
	cypermethrin	2
	dichlorvos	0.2
	dithiocarbamates ^{4/}	2
	dimethoate	5
	paraquat	0.02
	profenofos	0.1
	phosalone	1
	malathion	7
	metalaxyl	5
	methidathion	0.5
	methomyl	1
	abamectin	0.01
ethion	1	
Pineapple	2, 4-D	0.05
	metalaxyl	1
	atrazine	0.1
	ametryn	0.05
	ethephon	2
Asparagus	carbendazim/benomyl	0.2
	carbosulfan ^{2/}	0.5
	carbosulfan ^{3/}	0.5
	cypermethrin	0.5

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Asparagus	deltamethrin	0.5
	dithiocarbamates ^{4/}	0.1
	phosalone	0.5
	methomyl	2
	lambda-cyhalothrin	0.02
Shallot	chlorpyrifos	0.2
	carbendazim/benomyl	3
	cypermethrin	0.1
	deltamethrin	0.1
	dithiocarbamates ^{4/}	0.5
	dimethoate	0.05
	triazophos	0.05
	profenofos	0.05
	phosalone	1
	malathion	1
	methomyl	0.2
Onion, Bulb	chlorpyrifos	0.2
	carbendazim/benomyl	3
	cypermethrin	0.1
	deltamethrin	0.05
	dithiocarbamates ^{4/}	0.5
	dimethoate	0.05
	triazophos	0.05
	profenofos	0.05
	phosalone	1
	malathion	1
	metalaxyl	2
	methomyl	0.2
Grapes	carbaryl	5
	carbendazim/benomyl	3
	carbosulfan ^{2/}	0.1
	carbosulfan ^{3/}	0.1
	captan	10
	dithiocarbamates ^{4/}	2
	triazophos	0.02
	paraquat	0.01
	profenofos	0.05
	metalaxyl	1
methidathion	0.2	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Grapes	methomyl	1
	abamectin	0.01
	ethephon	1
Sugar cane	carbaryl	0.02
	carbendazim/benomyl	0.1
	carbofuran	0.1
	cypermethrin	0.05
	deltamethrin	0.05
	malathion	0.01
	atrazine	0.1
	ametryn	0.2
Apple	methomyl	0.2
	ethephon	1
Meat (from mammals other than marine mammals)	carbaryl	0.05
	carbosulfan ^{2/}	0.05
	carbofuran	0.05
	cypermethrin	0.2 (fat)
	2, 4-D	0.2
	dichlorvos	0.05
	dithiocarbamates ^{4/}	0.05
	dimethoate	0.05
	diazinon	2 (fat)
	paraquat	0.005
	pirimiphos-methyl	0.01
	profenofos	0.05
	fenvalerate	1 (fat)
	fenitrothion	0.05
	methidathion	0.02
	methomyl	0.02
	acephate	0.05
	abamectin	0.01
ethephon	0.1	
Edible offal (Mammalian)	carbaryl	1
	carbendazim/benomyl	0.05
	carbosulfan ^{2/}	0.05
	carbofuran	0.05
	cypermethrin	0.05
	2, 4-D	1
	dithiocarbamates ^{4/}	0.1

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Edible offal (Mammalian)	dimethoate	0.05
	diazinon	0.03
	paraquat	0.05
	pirimiphos-methyl	0.01
	profenofos	0.05
	fenvalerate	0.02
	methidathion	0.02
	methomyl	0.02
Fat (Mammalian)	dimethoate	0.05
	abamectin	0.1
Edible offal (Mammalian)	acephate	0.05
	abamectin	0.1
	ethephon	0.2
Pig meat	chlorpyrifos	0.02 (fat)
	deltamethrin	0.5 (fat)
Pig, Edible offal of	chlorpyrifos	0.01
	deltamethrin	0.03
Cattle meat	chlorpyrifos	1 (fat)
	carbendazim/benomyl	0.05
	deltamethrin	0.5 (fat)
	dicofol	3 (fat)
	triazophos	0.01
Cattle, Edible offal of	chlorpyrifos	0.01
	deltamethrin	0.03
	dicofol	1
Meat of goats and sheep	chlorpyrifos	1 (fat)
	deltamethrin	0.5 (fat)
Edible offal of Goat and Sheep	chlorpyrifos	0.01
	deltamethrin	0.03
Poultry meat	chlorpyrifos	0.01 (fat)
	carbaryl	0.05
	carbendazim/benomyl	0.05
	carbosulfan ^{2/}	0.05
	carbofuran	0.08
	cypermethrin	0.05
	2, 4-D	0.05
	deltamethrin	0.1 (fat)
	dichlorvos	0.05
dicofol	0.1 (fat)	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Poultry meat	dithiocarbamates ^{4/}	0.1
	dimethoate	0.05
	diazinon	0.02
	triazophos	0.01
	paraquat	0.005
	pirimiphos-methyl	0.01
	profenofos	0.05
	fenitrothion	0.05
	methidathion	0.02
	methomyl	0.02
	acephate	0.01
	abamectin	0.01
ethephon	0.1	
Poultry, Edible offal of	chlorpyrifos	0.01
	carbendazim/benomyl	0.1
	carbosulfan ^{2/}	0.05
	carbofuran	0.08
	cypermethrin	0.05
	2, 4-D	0.05
	deltamethrin	0.02
	dicofol	0.05
	dithiocarbamates ^{4/}	0.1
	dimethoate	0.05
	diazinon	0.02
	paraquat	0.005
	pirimiphos-methyl	0.01
	profenofos	0.05
	methidathion	0.02
	methomyl	0.02
	acephate	0.01
	abamectin	0.02
ethephon	0.2	
Poultry fats	carbendazim/benomyl	0.05
	deltamethrin	0.1 (fat)
	dimethoate	0.05
Eggs	chlorpyrifos	0.01
	carbaryl	0.5
	carbendazim/benomyl	0.05
	carbosulfan ^{2/}	0.05

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Eggs	carbofuran	0.1
	cypermethrin	0.05
	2, 4-D	0.01
	deltamethrin	0.02
	dicofol	0.05
	dithiocarbamates ^{4/}	0.05
	dimethoate	0.05
	diazinon	0.02
	paraquat	0.005
	pirimiphos-methyl	0.01
	profenofos	0.02
	fenitrothion	0.05
	methidathion	0.02
	methomyl	0.02
	acephate	0.01
	abamectin	0.01
ethephon	0.2	
Milks	chlorpyrifos	0.02
	carbaryl	0.05
	carbendazim/benomyl	0.05
	carbosulfan ^{2/}	0.03
	carbofuran	0.05
	cypermethrin	0.05 F
	2, 4-D	0.01
	deltamethrin	0.05 F
	dichlorvos	0.02
	dicofol	0.1F
	dithiocarbamates ^{4/}	0.05
	dimethoate	0.05
	diazinon	0.02 F
	triazophos	0.01
	paraquat	0.005
	pirimiphos-methyl	0.01
	profenofos	0.01
	fenvalerate	0.1 F
	fenitrothion	0.01
	methidathion	0.001
methomyl	0.02	
acephate	0.02	

Commodities	Pesticides ^{1/}	Maximum Residue Limit; MRL (mg/kg)
Milks	abamectin	0.005
	ethephon	0.05

Explanatory notes

MRLs in Table 2 are the same as the MRLs in Table 1 but are sorted by commodities.

^{1/} The reference to the definition of residue shall be seen in Table 1.

^{2/} Definition of residue is carbosulfan.

^{3/} Definition of residue is sum of carbofuran, 3-hydroxycarbofuran, and conjugated 3-hydroxycarbofuran; expressed as carbofuran

^{4/} Group of dithiocarbamates includes zineb, thiram, propineb, maneb, and mancozeb