

## DEPARTMENT OF HEALTH

NO. 4388

16 February 2024

**FOODSTUFFS, COSMETICS AND DISINFECTANTS ACT, 1972 (ACT No. 54 OF 1972)****REGULATIONS GOVERNING THE MAXIMUM LIMITS FOR PESTICIDE RESIDUES THAT MAY BE PRESENT IN FOODSTUFFS: AMENDMENT**

The Minister of Health intends, in terms of Section 15 (1) of the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972), to make the Regulations in the Schedule.

  
DR M.J. PHAAHLA, MP

MINISTER OF HEALTH

DATE: 11/12/2023

## SCHEDULE

### Definitions

1. In these regulations, any expression defined in the Act bears that meaning and, unless the context otherwise indicates: -
- “**Regulations**” means the Regulations Governing the Maximum Limits for Pesticide Residues that May be Present in Foodstuffs published under Government Notice No. R. 246 of 11 February 1994, as corrected by Government Notice No. R. 1148 of 26 August 1994 and amended by the Government Notices No. R. 494 of 8 June 2001, No. R. 525 of 3 May 2002, No. R. 247 of 24 March 2005, No. R. 1047 of 20 October 2006, No. R. 548 of 17 June 2010, No. R. 46 of 19 January 2012 and 10 February 2020; and
- “**the Act**” means the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972).

### Amendment of the Annex to the Regulations

2. The Regulations are hereby amended by the insertion of the following particulars in the Annex to the Regulations —

Chemical Substance	Foodstuff	MRL (mg/kg)
<b>Abamectin</b>	Barley	0.01
	Cucurbits group	0.01
	Grapes	0.01
	Onion bulb group	0.01
	Wheat	0.01
<b>Acephate</b>	Tree nuts	0.02
<b>Acetamiprid</b>	Brassica vegetables or cruciferae	1.0
	Berries group	2.0
	Cucurbits group	0.5
	Tree nuts	0.1
<b>Acetochlor</b>	Soybeans	0.02

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
<b>Acrinathrin</b>	Citrus group	0.2
<b>Ametoctradin</b>	Grapes	5.0
	Potatoes	0.01
<b>Amisulbrom</b>	Grapes	0.5
	Potatoes	0.01
<b>Azoxystrobin</b>	Asparagus	0.05
	Avocados	0.05
	Chrysanthemums	0.01
	Citrus group	10.0
	Clover	3.0
	Coriander	70.0
	Dandelion	0.01
	Fennel	10.0
	Granadillas (passion fruit)	4.0
	Lettuce (head/ leaf)	3.0
	Parsley	70.0
	Peppers	0.05
	Pomegranates	0.01
	Spinach	0.05
Wheat	0.3	
<b>Benzovindiflupyr</b>	Maize	1.0
	Wheat	1.0
<b>Bifenthrin</b>	Maize	0.05
	Tree nuts	0.05
<b>Boscalid</b>	Apples	2.0
	Cucurbits group	0.2
	Groundnuts	0.05
	Maize	0.2
	Soya beans	3.0
	Stone fruits	3.0
	Sweetcorn	0.2
<b>Carfentrazone-ethyl</b>	Barley	0.05
	Grapes	0.01

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Wheat	0.05
<b>Chlorantraniliprole</b>	Avocados	0.01
	Barley	0.02
	Canola	2.0
	Grapes (table)	1.0
	Groundnuts	0.01
	Lentils	0.01
	Litchis	0.01
	Maize	0.02
	Oats	0.02
	Soya beans	0.05
	Sunflower	2.0
	Wheat	0.02
	<b>Chlorothalonil</b>	Asparagus
Barley		0.3
Cassava		0.3
Chrysanthemums		0.01
Clover		0.3
Coriander		5.0
Dandelion		0.01
Fennel		0.01
Granadillas (passion fruit)		0.01
Lettuce (head/ leaf)		0.01
Parsley		5.0
Spinach		0.01
Sorghum grain		0.01
Sunflowers		0.01
Sweet potatoes		0.01
Tree nuts		0.01
<b>Chlorotoluron</b>	Wheat	0.1
<b>Clethodim</b>	Beans	0.01
	Cabbages	0.5
	Cucurbits group	0.01

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Soya beans	0.01
<b>Clomazone</b>	Soya beans	0.02
<b>Clopyralid</b>	Maize	0.1
<b>Clothianidin</b>	Barley	0.05
	Citrus group	0.01
	Grapes	0.01
	Macadamia nuts	0.01
	Maize	0.1
	Sunflower	0.02
	Wheat	0.05
<b>Copper hydroxide</b>	Onions	5.0
<b>Copper oxychloride and other copper salts (elemental copper)</b>	Stone fruits	20.0
<b>Cyantraniliprole</b>	Apples	0.5
	Citrus group	1.0
	Grapes	1.0
	Pears	0.5
	Potatoes	0.01
	Stone fruits	1.0
	Tomatoes	0.5
<b>Cypermethrin</b>	Lupins	0.5
<b>Cyprodinil</b>	Bay leaves	0.5
	Curry leaves	0.5
	Dill	0.5
	Elderberries	3.0
	Huckleberries	3.0
	Hyssop	0.5
	Lavender	0.5
	Lemongrass	0.5
	Marigolds	0.5
	Marjoram	0.5
	Sage	0.5
	Tarragon	0.5

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Thyme	0.5
	Wintergreen	0.5
<b>Dichlorprop-p</b>	Citrus group	0.3
<b>Dichlorvos</b>	Apples	0.1
	Citrus group	0.1
	Guavas	0.1
	Pears	0.1
	Persimmons	0.01
	Stone fruits	0.1
<b>Diclosulam</b>	Groundnuts	0.02
	Soya beans	0.02
<b>Difenoconazole</b>	Barley	0.05
	Peppers	0.8
	Tomatoes	2.0
	Wheat	0.1
<b>Diflubenzuron</b>	Maize	0.05
	Sweetcorn	0.05
<b>Diflufenican</b>	Stone fruits	0.1
	Wheat	0.05
<b>Dimethyl didecyl ammonium chloride</b>	Brassica vegetables or cruciferae	0.1
	Grapes	0.1
	Onion bulb group	0.1
	Pepper group	5.0
	Pomegranates	0.1
	Potatoes	0.1
	Stone fruits	0.1
	Strawberries	0.5
	Sweet potatoes	0.1
Tomatoes	3.0	
<b>Emamectin benzoate</b>	Barley	0.01
	Citrus group	0.01
	Grapes	0.05

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Groundnuts	0.01
	Leguminous beans group	0.02
	Pomegranates	0.01
	Potatoes	0.01
	Sorghum	0.01
	Soya beans	0.01
	Stone fruits	0.03
	Sugar cane	0.01
	Sunflower	0.01
	Wheat	0.01
<b>Epoxiconazole</b>	Barley	0.01
	Coffee	0.05
	Maize	0.01
	Sugarcane	0.05
<b>Esfenvalerate</b>	Macadamia nuts	0.05
	Sugar cane	0.02
<b>Ethoprophos</b>	Onions	0.02
<b>Fenazaquin</b>	Stone fruits	0.5
<b>Fenhexamid</b>	Strawberries	5.0
<b>Fenpyroximate</b>	Grapes	0.1
	Pepper group	0.3
	Stone fruits	0.3
<b>Fipronil</b>	Grapes	0.01
<b>Florasulam</b>	Barley	0.01
<b>Flubendiamide</b>	Cabbage	0.05
	Maize	0.01
	Potatoes	0.05
	Tomatoes	0.1
<b>Fludioxonil</b>	Barley	0.05
	Bay leaves	0.5
	Curry leaves	0.5
	Dill	0.5
	Elderberries	3.0

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Huckleberries	3.0
	Hyssop	0.5
	Lavender	0.5
	Lemongrass	0.5
	Marigolds	0.5
	Marjoram	0.5
	Pepper group	1.0
	Potatoes	5.0
	Sage	0.5
	Tarragon	0.5
	Thyme	0.5
	Wheat	0.05
	Wintergreen	0.5
<b>Fluensulfone</b> (Sum of fluensulfone and 3,4,4-trifluorobut-3-ene-1-sulfonic acid (BSA), expressed as fluensulfone equivalents)	Cucurbits group	0.2
	Potatoes	1.0
	Tomatoes	0.08
<b>Flumetsulam</b>	Groundnuts	0.02
	Soybeans	0.02
<b>Fluopyram</b>	Citrus group	0.01
	Maize	0.02
	Potatoes	0.5
	Sweetcorn / Green mealies	0.1
	Soybeans	0.2
	Tomatoes	0.5
<b>Fluoxastrobin</b>	Citrus group	0.3
	Maize	0.2
	Potatoes	0.1
	Sugar cane	0.05
<b>Flupyradifurone</b>	Barley	0.3
	Stone fruits	0.05
	Tomatoes	0.3



<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Wheat	0.2
<b>Flutriafol</b>	Maize	0.2
<b>Fluxapyroxad</b>	Barley	2.0
	Maize	0.01
	Wheat	0.3
<b>Folpet</b>	Potatoes	0.01
<b>Fosetyl-Al (phosphorous acid)</b>	Apples	75.0
	Avocados	75.0
<b>Glufosinate ammonium</b>	Grapes	0.05
<b>Glyphosate</b>	Citrus group	0.5
	Grapes	0.01
	Stone fruits	0.1
<b>Halauxifen-methyl</b>	Wheat	0.01
<b>Hexaconazole</b>	Wheat	0.02
<b>Hexazinone</b>	Sugarcane	0.01
<b>Imazalil</b>	Mangoes	0.5
<b>Imidacloprid</b>	Bananas	0.05
	Potatoes	0.5
<b>Indaziflam N-[(1R,2S)-2,3-dihydro-2,6-dimethyl-1H-inden-1-yl]-6-(1-fluoroethyl)-1,3,5-triazine-2,4-diamine, including the metabolite 6-[(1R)-1-fluoroethyl]-1,3,5-triazine-2,4-diamine</b>	Apples	0.01
	Citrus group	0.01
	Grapes	0.01
	Macadamia nuts	0.01
	Pears	0.01
	Pecan nuts	0.01
	Stone fruits	0.01
<b>Indoxacarb</b>	Barley	0.5
	Canola	0.05
	Oats	0.5
	Wheat	0.5
<b>loxynil</b>	Barley	0.05
	Wheat	0.05
<b>Ipconazole</b>	Maize	0.01
<b>Iprodione</b>	Potatoes	0.05

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
<b>Lambda-cyhalothrin</b>	Grapes	0.2
	Soya beans	0.05
	Sunflower	0.2
<b>Lufenuron</b>	Barley	0.02
	Groundnuts	0.02
	Leguminous beans group	0.02
	Maize	0.05
	Sorghum	0.02
	Soya beans	0.02
	Sunflower	0.02
	Sweetcorn	0.05
	Wheat	0.02
<b>Mandipropamid</b>	Onions	0.1
<b>Metalaxyl</b>	Maize	0.05
	Soya beans	0.05
<b>Metalaxyl-M (Mefenoxam)</b>	Barley	0.05
	Clover	2.0
	Wheat	0.05
<b>Methoxyfenozide</b>	Avocados	0.3
	Brassica vegetables or cruciferae	1.0
	Citrus group	0.5
	Cucurbits group	0.5
	Lettuce	1.0
	Litchis	1.0
	Maize	1.0
	Peas	0.5
	Pepper group	0.05
	Pomegranates	0.6
	Sorghum	0.05
	Spinach	1.0
	Stone fruits	2.0
Sweetcorn	1.0	

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Tree nuts	3.0
<b>Metobromuron</b>	Potatoes	0.01
<b>Myclobutanil</b>	Stone fruits	3.0
<b>Novaluron</b>	Brassica vegetables or cruciferae	1.0
	Canola	0.01
	Cucurbits group	0.2
	Maize	0.5
	Sweetcorn	0.5
	Tree nuts	0.01
	Wheat	0.01
<b>Oxamyl</b>	Maize	0.5
<b>Oxyfluorfen</b>	Onions	0.05
<b>Penflufen</b>	Maize	0.01
	Potatoes	0.01
	Soya beans	0.01
<b>Phosphorous acid</b>	Avocados	75.0
	Mangoes	75.0
<b>Picoxystrobin</b>	Maize	0.01
<b>Propiconazole</b>	Tree nuts	0.05
<b>Propineb</b>	Apples	3.0
<b>Prothioconazole</b>	Potatoes	0.01
<b>Pydiflumetofen</b>	Apples	0.2
	Barley	2.0
	Cucurbits group	0.2
	Grapes	2.0
	Maize	1.0
	Pepper group	0.5
	Potatoes	0.01
	Tomatoes	0.5
	Wheat	1.0
<b>Pymetrozine</b>	Asparagus	0.02
	Aubergines (eggplant)	0.5

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Brassica vegetables or cruciferae	0.05
	Carrots	0.02
	Celery	0.02
	Citrus group	0.3
	Cucurbits group	0.5
	Leafy vegetables except celery and rhubarb	2.0
	Lettuce (head ad leaf)	2.0
	Pepper group	1.0
	Potatoes	0.02
	Rhubarb	0.02
	Root and tuber vegetables	0.02
	Spinach	0.4
	Strawberries	0.5
	Tomatoes	0.5
<b>Pyraclostrobin</b>	Sugarcane	0.05
	Sweetcorn	0.03
	Tomatoes	0.3
<b>Pyridate</b>	Cabbage	0.03
	Maize	0.15
	Onions	0.03
<b>Pyrimethanil</b>	Cherries	4.0
	Pepper group	2.0
	Pomegranates	0.01
	Stone fruits (except cherries)	5.0
	Strawberries	5.0
	Tomatoes	1.0
<b>Pyriproxyfen</b>	Grapes	0.05
<b>Pyroxasulfone</b>	Maize	0.01
<b>Spinetoram</b>	Avocados	0.05
	Cabbage	0.01
	Hops	0.05

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>
	Maize	0.01
	Sorghum	0.05
	Sweetcorn	0.01
	Tomatoes	0.02
<b>Spinosad</b>	Canola	0.02
	Cherries	0.3
	Strawberries	0.3
<b>Spirotetramat</b>	Maize	0.1
	Stone fruits	3.0
	Tomatoes	1.0
<b>Sulfosulfuron</b>	Wheat	0.02
<b>Sulfoxaflor</b>	Brassica vegetables or cruciferae	0.5
	Citrus group	0.3
	Cotton	0.5
	Cucurbits group	0.5
	Lettuce	0.05
	Pepper group	1.0
	Potatoes	0.05
	Stone fruits	0.04
	Strawberries	0.5
	Tree nuts	0.02
<b>Sulfuryl Fluoride</b>	Almond	0.5
	Barley	2.0
	Butternut	2.0
	Cashew	0.2
	Cotton seed	2.0
	Date (dried)	2.0
	Fig (dried)	2.0
	Herbs and spices	0.5
	Macadamia nuts	0.2
	Millet	2.0
	Oats	2.0

<b>I</b> <b>Chemical Substance</b>	<b>I</b> <b>Foodstuff</b>	<b>I</b> <b>MRL (mg/kg)</b>
	Other dried fruit (stone fruits)	2.0
	Peanuts	0.2
	Raisins	2.0
	Rice	0.05
	Sorghum	2.0
	Leguminous beans group	0.5
	Wheat	2.0
<b>Tau-fluvalinate</b>	Macadamia nuts	0.01
<b>Tebuconazole</b>	Berries group	1.5
	Pomegranates	0.02
	Sugar cane	0.02
<b>Tembotrione</b>	Sugar cane	0.02
<b>Thiacloprid</b>	Berries group	1.0
	Citrus group	0.05
	Nectarines	0.1
<b>Thiamethoxam</b>	Cabbage	0.02
	Canola	0.05
	Maize	0.05
	Wheat	0.01
<b>Tribenuron-methyl</b>	Barley	0.05
	Wheat	0.05
<b>Trifloxystrobin</b>	Groundnuts	0.02
<b>Trinexapac-ethyl</b>	Barley	3.0
	Sugar cane	0.1
<b>Valifenalate</b>	Grapes	1.2
	Potatoes	0.01
	Tomatoes	0.1

3. The Regulations are hereby amended by the deletion of the following particulars in the Annex to the Regulations —

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>	<b>Reason</b>
<b>Acetamiprid</b>	Apples, pears	0.05	Amended to 0.5mg/kg by amendment No. R. 46 of 2012
<b>Azoxystrobin</b>	Citrus	0.05	MRL revised
	Wheat	0.2	MRL revised
<b>Cartap</b>	Cabbage	150.0	Temporary ADI withdrawn by Codex Committee on Pesticide Residues (CCPR)
	Tomatoes	10.0	
<b>Cartap hydrochloride</b>	Beans	1.5	Committee on Pesticide Residues (CCPR)
	Onions	5.0	
	Peas	2.0	
<b>Chlorpyrifos</b>	Apples	0.05	Human health concerns
	Apricots	0.05	
	Bananas	1.0	
	Barley	0.05	
	Broccoli	0.1	
	Brussels sprouts	0.1	
	Cabbage	0.1	
	Canola	0.3	
	Carrots	0.05	
	Cauliflower	0.1	
	Citrus	0.3	
	Cruciferae	0.1	
	Grapes	0.5	
	Grapes (wine)	0.5	
	Lettuce	0.05	
	Macadamia nuts	0.01	
	Mangoes	0.01	
	Mealies (green)	0.05	
Peaches	0.05		
Pears	0.05		

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>	<b>Reason</b>
	Persimmons	0.1	
	Plums	0.05	
	Potatoes	0.05	
	Tomatoes	0.5	
	Wheat	0.05	
<b>Clothianidin</b>	Oranges	0.01	Grouped as citrus group
<b>Copper oxychloride and other copper salts</b>	Apricots	20.0	Grouped as stone fruits
	Cherries	20.0	
	Peaches	20.0	
	Plums	20.0	
<b>Dichlorvos</b>	Cherries	0.1	Grouped as stone fruits
<b>Dieldrin (HEOD)</b>	Cereal grains	0.02	Banned in 1983 Government Notice No. R. 384 of 25 February 1983
	Milk	0.006	
<b>Difenoconazole</b>	Pepper group	0.5	MRL revised
	Tomatoes	0.5	MRL revised
<b>Fluxapyroxad</b>	Barley	0.01	MRL revised
	Wheat	0.01	MRL revised
<b>Fosetyl-Al (phosphorous acid)</b>	Avocados	50.0	MRL revised
<b>Gamma-BHC (gamma-HCH)</b>	Apples	1.0	Banned in 2009 Government Notice No. R. 592, of 29 May 2009
	Apricots	1.0	
	Beans	1.0	
	Cruciferae	1.0	
	Peaches	1.0	
	Pears	1.0	
	Peas	1.0	
	Plums	1.0	
	Cotton seed	0.1	
	Milk	0.01	



<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>	<b>Reason</b>
	Onions	0.2	
	Potatoes	0.2	
	Sweet potatoes	0.2	
<b>Lambda-cyhalothrin</b>	Grapes (table)	0.2	MRL to include both table and wine grapes
<b>Parathion</b>	Quinces	0.5	Use is not supported, as per the label
	Beans	0.05	
	Cotton seed	0.05	Withdrawn for use on deciduous fruit and vineyards in 1992
	Groundnuts	0.05	
	Coffee	0.2	Withdrawn for use on beans, coffee, cotton, groundnuts, mangoes, ornamentals, as well as for the control of short-horned grasshopper on various crops in June 1993
	Mangoes	0.1	
<b>Phosphorous acid</b>	Mangoes	50.0	MRL revised
<b>Propham</b>	Potatoes	50.0	Banned in 2016. Government Notice No. 862, of 29 July 2016
<b>Propiconazole</b>	Pecan nuts	0.05	Grouped as tree nuts
<b>Pymetrozine</b>	Cabbage	0.02	Grouped as Brassica vegetables or cruciferae
<b>Pyraclostrobin</b>	Tomatoes	0.01	MRL revised
<b>Pyrimethanil</b>	Nectarines, peaches, plums	5.0	Grouped as stone fruits

<b>Chemical Substance</b>	<b>Foodstuff</b>	<b>MRL (mg/kg)</b>	<b>Reason</b>
<b>Spinosad [the sum of spinosad (spinosyns A and D) and its metabolites spinosyn K, spinosyn B and N-demethyl spinosyn]</b>	Grapes (table)	0.01	Amended to 0.1mg/kg by amendment No. R. 548 of 2010
<b>Vinclozolin (sum of vinclozolin and all metabolites containing 3,5dichloroaniline, expressed as vinclozolin)</b>	Grapes	3.0	Withdrawn in 1995
	Strawberries	1.0	Voluntarily withdrawn

**Short title**

4. These Regulations are called Regulations Governing the Maximum Limits for Pesticide Residues that May Be Present in Foodstuffs: Amendment, 2023.