

Notice Calling for suggestions, views, comments etc from stakeholders on the draft notification related to tolerance related to harmonization of MRL of pesticide.

F.No.01-SP (PAR)-Notification-Pesticides /Stds-FSSAI/2017.- In the Food Safety and Standards (Contaminants, Toxins and Residues) Regulations, 2011, In the regulation 2.3, for sub-regulation 2.3.1, the following shall be substituted, namely :-

“2.3.1: Restriction on the use of insecticides

- (1) Subject to the provisions of regulation 2.3.1(2), no insecticides shall be used directly on articles of food:

Provided that nothing in this regulation shall apply to the fumigants which are registered and recommended for use as such on articles of food by the Registration Committee, constituted under section 5 of the Insecticides Act, 1968 (46 of 1968).

- (2) The insecticide specified in column (2) of the table shall not exceed the Maximum Residue Limits (MRL) prescribed in column (4), for the article of food in column (3) of the said table, namely:-

Table

Sl. No.	Name of the Insecticide	Food	Maximum Residues Limit (MRL) in mg/kg
(1)	(2)	(3)	(4)
1	2,4-Dichlorophenoxy Acetic Acid	Sugarcane	0.05
		Food grains	Maize-0.05, Wheat-2 and Rice-0.1and other food grains-0.01
		Milled food grains	0.01
		Potato	0.2
		Milk and Milk products	0.05

		Meat and Poultry	0.2
		Eggs	0.05 (shell free basis)
		Fruits	2
2	Acephate	Rice	1
		Safflower seed	2
		Cotton Seed	2
		Milk and Milk products	0.02
		Meat & Meat Products	0.05
	(a) Methamido-phos- metabolite of Acephate	Safflower seed	0.1
		Cotton Seed	0.1
3	Acetamiprid	Chilli	2
		Rice	0.01
		Okra	0.1
		Cabbage	0.7
		Milk and Milk products	0.02
		Meat & Meat Products	0.05
		Cottonseed Oil	0.1
4	Alachlor	Cotton Seed	0.05
		Groundnut	0.05
		Maize	0.1
		Soybeans	0.1
5	Alphacypermethrin	Cottonseed Oil	0.05
		Pine Apple	0.5
6	Alphanaphthyl Acetic Acid	Tomato	0.1

		Chilli	0.2
		Mango	0.05
		Cottonseed Oil	0.05
		Grapes	0.05
		Pineapple	0.5
7	Ametroctradin	Grapes	6
		Potato	0.05
		Cucumber	0.4
		Tomato	0.3
8	Anilophos	Rice	0.1
9	Atrazine	Maize	Nil
		Sugarcane	0.25
10	Aureofungin	Citrus	0.01**
11	Azimsulfuron	Rice	0.02*
12	Azoxystrobin	Grapes	2
		Tomato	1
		Mango	0.7
		Chilli	1
		Cucumber	0.05*
		Potato	7
		Milk and Milk products	0.01
		Cumin	0.03*
		Maize	0.03*
		Wheat	0.2
		Rice	0.03*

		Onion	0.01*
13	Benfuracarb	Red Gram	0.05
		Rice	0.05
14	Benomyl	Food grains	0.5
		Milled food grains	0.1
		Vegetables	0.5
		Mango	2
		Banana (whole)	1
		Other fruits	5
		Cotton seed	0.1
		Groundnut	0.1
		Sugar beet	0.1
		Dry fruits	0.1
		Eggs	0.1 (shell free basis)
		Meat & Poultry	0.1 (carcass fat basis)
	Milk and Milk products	0.1 (F)	
15	Bensulfuron Methyl	Rice	0.01
16	Beta Cyfluthrin	Okra	0.01*
		Brinjal	0.2
		Cottonseed	0.7
		Soybean	0.03
		Soybean Oil	0.01*
17	Bifenthrin	Sugarcane	0.03
		Rice	0.05

		Apple	0.5
		Tea	30
		Cottonseed	0.5
		Milk and Milk products	0.2
18	Bispyribac Sodium	Rice	0.05
19	Bitertanol	Wheat	0.05
		Groundnut	0.05
		Milk and Milk products	0.05
		Meat & Meat Products	0.05
		Tea	0.05*
		Apple	0.4
20	Buprofezin	Cottonseed Oil	0.01
		Chilli	2
		Mango	0.1
		Grapes	1
		Okra	0.01*
		Rice	0.05
		Milk and Milk products	0.01
21	Butachlor	Rice	0.05
22	Captan	Rice	0.3
		Fruit & Vegetables	Cherries-25, Grapes-25 and Melons-10, other fruits & other vegetables 15
		Blackgram	0.01*

23	Carbaryl	Sesamum	0.05
		Fish	0.2
		Food grains	Wheat-2.0 and Maize-0.02, other food grains 1.5
		Milled food grains	Nil
		Okra and leafy vegetables	10
		Potato	0.2
		Other vegetables	5
		Cottonseed (whole)	1
		Maize cob (kernels)	1
		Rice	2.5
		Maize	0.5
		Chilli	5
		Mango	0.01**
		Sugarcane	0.01**
		Citrus (Orange)	15
		Grapes	0.01**
		Milk and Milk products	0.05
24	Carbendazim	Food grains	Wheat-0.05, Rice-2.0 and other food grains 0.1
		Milled food grains	0.1
		Vegetables	0.5
		Mango	5
		Banana (whole)	1
		Other fruits	5

		Cotton seed	0.1
		Groundnut	0.1
		Sugar beet	0.1
		Dry fruits	0.1
		Eggs	0.1(shell free basis)
		Meat & Poultry	0.1(Carcass fat basis)
		Milk and Milk products	0.1 (F)
		Potato	0.01*
		Tea	0.5
		Grapes	3
		Rice	2*
25	Carbosulfan	Chilli	2
		Rice	0.2
26	Carfentazone Ethyl	Wheat	0.01
27	Carfentrazone ethyl plus Carfentrazone ethyl cholro propionic acid	Rice	0.1*
		Tea	0.02*
28	Carpropamid	Rice	1
29	Cartap Hydrochloride	Rice	0.5
30	Chlorantraniliprole	Bengal Gram	0.03*
		Black Gram	0.03*
		Bitter Gourd	0.03*
		Okra	0.3
		Soybean	0.03*
		Pigeon pea	0.03*

		Tomato	0.03*
		Chilli	0.03*
		Brinjal	0.03*
		Rice	0.4
		Cabbage	2
		Sugarcane	0.5
		Cotton	0.3
		Milk and Milk products	0.05
		Meat & Meat Products	0.2
		Groundnut	0.03*
		Groundnut Oil	0.03*
		Maize	0.03*
31	Chlorfenapyr	Chilli	0.05
		Cabbage	0.05
32	Chlorfluazuron	Cabbage	0.1*
		Cottonseed	0.01*
33	Chlorimuron ethyl	Rice	0.01
		Soybean seed	0.01
		Wheat	0.05
34	Chlormequat Chloride (CCC)	Potato	0.1
		Brinjal	0.1
		Grape	0.05*
		Cotton Seed	1
35	Chlorothalonil	Groundnut	0.1
		Potato	0.1

		Milk and Milk products	0.07
		Meat & Meat Products	0.02
36	Chlorpropham	Potato	30
37	Chlorpyriphos	Beans	0.01**
		Gram	0.01**
		Black Gram	0.01**
		Coconut	0.01**
		Tea	2
		Groundnut	0.01**
		Food grains	Wheat-0.5, Rice-0.5 and Food grains 0.05
		Milled food grains	0.01
		Fruits	Stawberry-0.03, Plum-0.5, Pomefruit-1.0 and other Fruits 0.5
		Potatoes and Onions	Potato-2.0, Onions 0.01
		Cauliflower and Cabbage	1
		Other vegetables	0.2
		Meat and Poultry (carcass fat)	0.1
		Milk and Milk products	0.02
		Cotton seed	0.3
		Cottonseed oil (crude)	0.05
		Carbonated Water	0.001

38	Chlothianidin (Chlothianidin and its metabolites Thiazolymethylguanidine (TMG), Thiazolymethylurea (TZMU), Methylnitroguanidine (MNG) TMG)	Sugarcane	0.4
		Cottonseed	0.02
		Cottonseed Oil	0.02
		Rice	0.5
		Tea	0.7
		Milk and Milk products	0.02
		Meat & Meat Products	0.02
39	Chromafenozide	Rice	0.03*
40	Cinmethylene	Rice	0.05
41	Clodinafop-propargyl	Soybean	0.05*
		Wheat	0.1
42	Clomazone	Rice	0.01
		Soybean seed	0.01
		Soybean seed oil	0.01
43	Copper Hydroxide	Rice	0.1*
		Potato	0.1*
		Grapes	0.1*
44	Copper Oxychloride(determined as copper)	Fruit	20
		Potato	1
		Other vegetables	20
		Areca nut	0.01**
		Cardamom	0.01**
		Coconut	0.01**
		Coffee	0.01**
		Pepper	0.01**

		Paddy	15
45	Copper Sulphate	Coffee	0.01**
		Cardamom	0.01**
		Citrus	0.01**
		Coconut	0.01**
		Guava	0.01**
		Papaya	0.01**
		Pea	0.01
	Copper Sulphate as elemental Copper	Grapes	0.1*
46	Cuprous Oxide	Paddy	0.01**
		Potato	0.01**
		Areca nut	0.01**
		Chilli	0.01**
		Citrus	0.01**
		Coffee	0.01**
		Grapes	0.01**
47	Cyantranilipole	Grapes	0.01
		Pomegranate seed	Pome fruit-0.8, Pomegranate seed- 0.01
		Pomegranate Juice	0.01
		Cabbage	2
		Chilli	0.05
		Tomato	0.03
		Gherkin	0.01
		Okra	0.2

		Brinjal	0.06
		cotton seed /Oil	1.5
48	Cyazofamid	Potato	0.02*
		Tomato	0.01*
		Grapes	1
49	Cyhalofop-butyl	Rice	0.5
50	Cymoxanil	Tomato	0.01*
		Potato	0.01
		Grapes	0.1
		Citrus	0.05*
		Gherkin	0.05*
		Cucumber	0.1
51	Cypermethrin (sum of isomers) (Fat soluble residue)	Rice	2
		Cottonseed Oil	0.01
		Wheat grains	2
		Milled wheat grains	0.01
		Brinjal	0.2
		Cabbage	2
		Okra	0.5
		Oil seeds except groundnut	0.2
		Meat and Poultry	2
		Milk and Milk products	0.05
	(a) Alpha Cypermethrin	Cottonseed Oil	0.05
52	Deltamethrin (Decamethrin)	Chilli	0.05
		Red gram	0.01

		Mango	0.01
		Tea	5
		Okra	0.05
		Tomato	0.3
		Brinjal	0.3
		Groundnut	0.01*
		Cottonseed	0.1
		Food grains	Wheat-2.0 and food grains- 0.3
		Milled Food grains	Wheat Flour-0.3 and Milled Food grains- 0.2
		Rice	0.05
		Milk and Milk products	0.05
		Meat & Meat Products	0.5
53	Diafenthiuron	Cardamom	0.5
		Brinjal	1
		Chilli green	0.05
		Chilli red	0.05
		Cottonseed Oil	1
		Cabbage	1
54	Diafenthiuron and its metabolites (CGA 177960, CGA 14408 and CGA227352)	Citrus	0.2
55	Dichlorvos (DDVP) (content of dichloroacetaldehyde (D.C.A.) be reported where possible)	Food grains	Wheat-7.0, Rice-7.0 and other Food grains-1
		Milled food grains	0.25
		Vegetables	0.15

		Fruits	0.1
		Soybean	0.01**
		Milk and Milk products	0.01
		Groundnut seeds	0.05
		Groundnut Oil	0.2
		Mustard seed/ Oil	0.01
56	Diclofop-Methyl	Wheat	0.1
57	Diclosulum	Soybean	0.05*
58	Dicofol	Fruits and Vegetables	5
		Tea (dry manufactured)	40
		Chilli	1
		Sorghum	0.01**
59	Difenoconazole	Chilli	0.01
		Rice	0.01
		Pomegranate	Pomegranate- 0.8
		Milk and Milk products	0.02
		Meat & Meat Products	0.2
		Apple	NA
		Grapes	3
		Maize	0.01*
		Wheat	0.02
		Tomato	0.2
60	Diflubenzuron	Cottonseed	0.2
		Tea	0.01**

61	Dimethoate (residue to be determined as dimethoate and expressed as dimethoate)	Mustard	0.01
		Fruits and Vegetables	2
		Chilli	0.5
		Paddy	0.01**
		Pepper	0.01**
		Milk and Milk products	0.05
		Meat & Meat Products	0.05
62	Dimethomorph	Grapes	2
		Potato	0.05
		Cucumber	0.2
		Tomato	0.2
63	Dinocap	Mango	0.1
64	Dinotefuron	Rice	8
		Cottonseed Oil	0.05*
		Milk and Milk products	0.1
65	Dithianon	Apple	0.1
66	Dithiocarbamates (the residue tolerance limit are determined and expressed as mg/CS ₂ /kg and refer separately to the residues arising from any or each group of dithiocarbamates)	Green Chilli	1
		Dry chilli	10
		Food Grains	Wheat-1.0 and Food Grains-0.2
		Milled food grains	0.05
		Potato	0.2
	(b) Ethylene bis- dithiocarbamates resulting from the use of mancozeb, maneb or zineb (including zineb derived from nabam plus zinc sulphate)	Cherries	1
		Other fruits	3

	(c) Mancozeb	Chilli	1
		Cauliflower	0.02
		Groundnut	0.1
		Cumin	0.5
		Black Pepper	2
		Mustard seed	0.1
		Gherkin	0.1*
		Onion	4
		Milk and Milk products	0.05
		Meat & Meat Products	0.1
		Mango	2
		Grapes	5
		Citrus	0.05*
		Cucumber	0.4
		Tea	3
	Rice	0.5*	
	(d) metiram as CS2	Green chilli	1
		Dry chilli	10
		Grapes	5
		Potato	0.2
Tomato		5	
Groundnut seed		0.1	
Groundnut seed oil		0.1	
Milk and Milk products		0.05	
Onion		0.05*	

		Apple	0.05*
		Cotton Seed	0.05*
		Cotton Seed Oil	0.05*
		Cumin	10
		Banana	2
		Blackgram	0.05*
		Cucumber	2
		Pomegranate	0.05*
		green gram	0.05*
		(e) Zineb as CS2	Brinjal
67	Diuron	Turmeric	2
		Tea	0.1*
		Sugarcane	0.02
		Cottonseed	1
		Banana	0.1
		Maize	0.5
68	Dodine	Citrus (Sweet Orange)	1
		Grapes	1
69	Edifenphos	Apple	5
		Rice	0.02
		Rice bran	1
		Eggs	0.01(shell free basis)
		Meat and poultry	0.02 (carcass fat basis)
		Milk and Milk products	0.01(F)

70	Emamectin Benzoate	Cottonseed	0.02
		Cottonseed oil	0.02
		Okra	0.05
		Groundnut oil	0.05
		Milk and Milk products	0.01*
		Tea	0.01*
71	Epoxyconazole	Ground nut oil	0.05*
		Groundnut cake	0.05*
		Maize	0.01*
		Cumin	0.01*
		coffee	0.05*
		wheat	0.01*
		soybean	0.05*
		Soybean Oil	0.05*
		Rice	0.05*
72	Ethephon	Pomegranate	0.05
		Pine Apple	2
		Coffee	0.1
		Tomato	2
		Mango	2
73	Ethion(Residues to be determined as ethion and its oxygen analogue and expressed as ethion)	Gram	0.01
		Pigeon Pea	0.01
		Soybean Seed	0.01
		Tea (dry manufactured)	5
		Cucumber and Squash	0.5

		Other Vegetables	1
		Cotton seed	0.5
		Milk and Milk products	0.5 (F)
		Meat and Poultry	0.2 (carcass fat basis)
		Eggs	0.2 (shell free basis)
		Dry fruits	0.1 (shell free basis)
		Food grains	0.03
		Milled food grains	0.01
		Peaches	1
		Other fruits	2
74	Ethofenprox (Etofenprox)	Rice	0.01
		Milk and Milk products	0.02
		Meat & Meat Products	0.5
75	Ethoxysulfuron	Rice	0.01
76	Etoxazole	Brinjal	0.2
		Tea	15
77	Famoxadone	Grapes	2
		Potato	0.05
		Tomato	2
		Gherkin	0.3
78	Fenamidone	Potato	0.01
		Grapes	0.05
		Gherkin	0.2

		Tomato	0.7
79	Fenarimol	Apple	5
80	Fenazaquin	Apple	0.2
		Chilli (green)	0.5
		Okra	0.01
		Brinjal	0.01
		Tomato	0.01
		Tea	3
81	Fenobucarb (BPMC)	Rice	0.01
82	Fenoxaprop-p-ethyl	Cottonseed	0.02
		Black gram	0.01
		Rice	0.02*
		Wheat	0.02
		Soybean seed	0.02
		Onion	0.05*
		Groundnut	0.01*
83	Fenpropathrin	Brinjal	0.2
		Okra	0.5
		Chilli	0.2
		Tea(green/black)	2
		Rice	0.03*
		Cottonseed oil	3
		Milk and Milk products	0.1
		Meat & Meat Products	0.02
84	Fenpyroximate	Chilli	1

		Tea (green)	2
		Coconut Water	0.02
		Tea(Black)	0.2
85	Fenvalerate (Fat soluble residue)	Cauliflower	2
		Brinjal	2
		Okra	2
		Cottonseed	0.2
		Cottonseed Oil	0.1
		Meat and Poultry	1.0 (carcass fat basis)
		Milk and Milk products	0.01 (F)
		Red Gram	0.01**
		Bengal Gram	0.01**
		Groundnut	0.01**
		Cabbage	0.01**
		Tomato	0.01**
86	Fipronil	Cottonseed Oil	0.01
		Rice	0.01
		Chilli	0.01
		Sugarcane	0.01
		Cabbage	0.02
		Grapes	0.01*
		Milk and Milk products	0.02
		Meat & Meat Products	0.01
		Wheat	0.01*

87	Fipronil and its metabolites(MB-46513, MB-45950, MB-46136)	Onion	0.04
88	Flonicamid	Rice	0.05*
		Cottonseed Oil	0.02*
89	Fluazifop-p-butyl	Soybean	0.05
		Cotton seed Oil	0.01*
		Groundnut	0.01*
		Groundnut oil	0.01*
90	Flubendiamide	Brinjal	0.1
		Bengal Gram	Bengal Gram-1.0
		Cottonseed Oil	Cotton Seed -1.5
		Rice	0.1
		Cabbage	4
		Tomato	2
		Pigeon pea	Pigeon Pea-1.0
		Black gram	Black Gram-1.0
		Chilli	0.02
		Milk and Milk products	0.1
91	Flubendiamide and its metabolite Des-iodo	Tea	50
		Soybean	0.07
		Soybean Oil	0.07
		Soybean cake	0.07
92	Fluchloralin	Cottonseed	0.05
		Soybean	0.05
		Rice	0.01**
		Onion	0.01**

		Okra	0.01**
		Groundnut	0.01**
		Wheat	0.01**
		Potato	0.01**
		Brinjal	0.01**
		Cabbage	0.01**
		Black Gram	0.01**
93	Flufenacet	Rice	0.05
94	Flusilazole	Rice	0.01
		Chili	0.01
		Milk and Milk products	0.05
		Meat & Meat Products	1
95	Fluvalinate	Cottonseed Oil	0.05
		Tea	0.01
96	Forchlorfenuron	Grapes	0.01
97	Fosetyl-Al	Grapes	10
		Cardamom	0.2
98	Glufosinate Ammonium	Cottonseed Oil	0.05*
		Tea	0.01
		Milk and Milk products	0.02
99	Glyphosate	Tea	1
		Rice	0.01
		Meat & Meat Products	0.05
100	Halosulfuron methyl	Sugarcane	0.03*

		Maize	0.01*
		Bottle Gourd	0.01*
101	Hexaconazole	Mango	0.02
		Rice	0.02
		Ground nut seed	0.02
		Tea(black)	0.02
		Grapes	0.1
		Chilli	0.5
		Potato	0.02
		Soybean	0.02
		Apple	0.1
		Blackgram	0.01*
102	Hexazinone	Sugarcane	0.02
103	Hexythiazox	Tea	15
		Chilli (green)	0.01
		Dried Chilli	0.01
		Apple	0.3
104	Hydrogen Cyanamide	Grapes	0.01
		Sugarcane	0.03*
105	Iodosulfuron Methyl Sodium	Wheat	0.01
106	Imazethapyr	Soybean	0.03#
		Soybean oil	0.1
		Groundnut oil	0.1
107	Imidacloprid	Citrus (Acid Lime)	1
		Groundnut Seed	1
		Mango	0.2

		Sugarcane	0.1
		Okra	2
		Sunflower Seed	0.5
		Chilli	0.3
		Grapes	1
		Tomato	1
		Cucumber	1
		Cottonseed Oil	0.05
		Rice	0.05
		Brinjal	0.2
		Milk and Milk products	0.1
		Meat & Meat Products	0.1
		Soybean	0.01*
		Soybean Oil	0.01*
108	Indoxacarb	Tomato	0.5
		Chilli	0.01
		Pigeon pea	0.1
		Chick Pea	0.2
		Rice	0.05
		Soybean	0.5
		Cottonseed	1
		Cottonseed Oil	0.1
		Cabbage	3
		Milk and Milk products	0.1
		Meat & Meat Products	2

109	Iprobenfos (Kitazin)	Rice	0.2
110	Iprodione	Rape seed	0.5
		Mustard seed	0.5
		Rice	10
		Tomato	5
		Grapes	10
111	Isoprothiolane	Rice	0.1
112	Isoproturon	Wheat	0.1
113	Kasugamycin	Rice	0.05
		Tomato	0.05
114	Kresoxim Methyl	Milk and Milk products	0.01
		Meat & Meat Products	0.05
		Maize	0.02*
		Wheat	0.05*
		Chilli	0.15
		Potato	0.02*
		Soybean	0.02*
		Soybean Oil	0.02*
		Soybean Cake	0.02*
		Cotton Seed Oil	0.02*
115	Lambdacyhalothrin	Brinjal	0.2
		Tomato	0.1
		Rice	1
		Okra	2
		Red Gram	Red Gram-0.05

		Bengal Gram	Bengal Gram-0.05
		Chilli Green	0.05
		Chilli Red	0.01
		Groundnut seed	0.01
		Onion	0.01
		Soybean	0.01
		Mango	0.2
		Grapes	0.05
		Cottonseed Oil	0.05
		Tea	0.05*
		Maize	0.01*
116	Linuron	Pea	0.05
		Potato	0.01**
117	Lufenuron	Cauliflower	0.1
		Pigeon pea	0.1
		Cottonseed	0.01
		Black Gram	0.02*
		Chilli	0.05
		Cabbage	0.3
		Pigeon pea	0.01
118	Malathion (Malathion to be determined and expressed as combined residues of malathion and malaaxon)	Food grains	Wheat-10.0, Maize-0.05 and other food grains-4
		Milled food grains	1
		Fruits	4
		Vegetables	3
		Dried fruits	8

		Carbonated Water	0.01
119	Mandipropamid	Grapes	2
		Tomato	0.3
		Potato	0.05*
120	Mepiquat Chloride	Potato	0.1
		Cottonseed	0.5
		Cottonseed Oil	0.5
121	Mesosulfuron Methyl	Wheat	0.01
122	Metaflumizone	Cabbage	0.05
123	Metalaxyl	Pearl Millet (Bajra)	0.05
		Maize	0.05
		Sorghum	0.05
124	Metalaxyl-M	Potato	0.05*
		Grapes	1
		Black pepper	0.5
		Mustard Seed	0.01
		Chilli	0.02
		Tomato	0.5
125	Methabenzthiazuron	Wheat	0.5
126	Methomyl	Tomato	1
		Pigeon pea seeds	0.05
		Chilli	0.05
		Groundnut seed	0.05
		Grapes	0.3
		Soybean	0.2
		Milk and Milk	0.02

		products	
		Meat & Meat Products	0.02
127	Methyl Chlorophenoxy Acetic Acid (MCPA)	Rice	0.05
		Wheat	0.2
		Milk and Milk products	0.04
128	Methyl Parathion (combined residues of methyl parathion and its oxygen analogue to be determined and expressed as methyl parathion)	Rice	0.01
		Black Gram	0.01
		Cottonseed oil	0.01
		Mustard seed/oil	0.01
129	Metolachlor	Soybean Oil	0.05
		Milk and Milk products	0.01*
130	Metribuzin	Tomato	0.05*
		Sugarcane	0.01*
		Potato	0.05*
		Soybean Oil	0.1
		Wheat	0.03
131	Metsulfuron Methyl	Rice	0.01
		Wheat	0.1
		Sugarcane	0.02
132	Milbemectin	Chilli green	0.01
		Chilli red	0.01
133	Monocrotophos	Food grains	0.03
		Milled Food grains	0.01
		Citrus fruits	0.2
		Other fruits	1

		Cottonseed	0.1
		Cottonseed Oil (raw)	0.05
		Meat and Poultry	0.02
		Milk and Milk products	0.02
		Eggs	0.02 (shell free basis)
		Coffee (Raw beans)	0.1
		Chilli	0.2
		Cardamom	0.5
		Green Gram	0.01**
		Pigeon Pea	0.01**
		Coconut	0.01**
134	Myclobutanil	Apple	0.01
		Chilli	0.2
		Groundnut seed	0.1
		Grapes	1
135	Novaluron	Chili	0.01
		Chickpea	0.01
		Cottonseed	0.5
		Cottonseed Oil	0.01
		Tomato	0.01
		Cabbage	0.7
136	Orthosulfamuron	Paddy	0.1
137	Oxadiargyl	Mustard Seed	0.05
		Onion	0.1
		Cumin	0.01

		Rice	0.1
		Sunflower seed	0.05*
		Sunflower Oil	0.05*
138	Oxadiazon	Rice	0.03
		Onion	0.01**
139	Oxydemeton-Methyl	Cottonseed oil	0.01
		Green Chilli	2
		Dry chilli	20
		Mustard oil	0.01
		Food grains	Wheat-0.02, Rye-0.02 and other Food grains- 0.02
		Milk and Milk products	0.01
		Meat & Meat Products	0.05
140	Oxyfluorfen	Rice	0.05
		Groundnut Oil	0.05
		Mentha	0.01
		Tea	0.2
		Potato	0.01
		Onion	0.05
141	Paclobutrazol	Mango	0.01
142	Paraquat dichloride (Determined as Paraquatcations)	Food grains	Sorghum-0.03 and other food grains- 0.1
		Milled food grains	0.03
		Potato	0.2
		Other vegetables	0.05

		Cottonseed	2
		Cottonseed oil (edible refined)	0.05
		Milk and Milk products (whole)	0.01
		Fruits	0.05
		Tea	0.2
		Coffee	0.01**
143	Penconazole	Grapes	0.4#
		Black gram seed	0.02
		Mango	0.05
		Apple	0.1
		Milk and Milk products	0.01
		Meat & Meat Products	0.05
144	Pencycuron	Rice	0.01
145	Pendimethalin	Wheat	0.05
		Rice	0.05
		Soybean Oil	0.05
		Cottonseed Oil	0.05
		Chilli	0.05*
		Ground nut	0.01**
		Onion	0.4#
		Red gram	0.05*
146	Penoxuslum	Rice	0.1*
147	Permethrin	Cucumber	0.5
		Cottonseed	0.5

		Soybean	0.05
		Sunflower Seed	1
148	Phenthoate	Food grains	0.05
		Milled food grains	0.01
		Oilseeds	0.03
		Edible oils	0.01
		Eggs	0.05 (shell free basis)
		Meat & Poultry	0.05 (carcass fat basis)
		Milk and Milk products	0.01 (F)
		Gram	0.01**
149	Phorate (sum of Phorate, its oxygen analogue and their sulphoxides and sulphones, expressed as phorate)	Food Grains	0.05
		Milled food grains	0.01
		Tomato	0.1
		Fruits	0.05
		Oil seeds	0.05
		Sugarcane	0.05
		Eggs	0.05 (shell free basis)
		Meat & Poultry	0.02* (carcass fat basis)
		Milk and Milk products	0.05 (F)
		Green gram	0.01*
		Cottonseed Oil	0.05
150	Phosalone	Pears	2
		Citrus fruits	1

		Other fruits	Apple-5.0, Pome fruit-2.0 and other fruits- 5
		Potato	0.1
		Other vegetables	1
		Rapeseed/Mustard Oil (crude)	0.05
151	Picoxystrobin	Rice	0.05*
		Grapes	0.05*
		Chilli	0.05*
		Soyabean	0.05*
		Soyabean Oil	0.05*
		Soyabean Deoiled Cake	0.05*
		Cumin	0.05*
		Wheat	0.05*
152	Pinoxaden	Wheat	0.7#
153	Pretilachlor	Rice	0.05
154	Pirimiphos-methyl	Rice	0.5
		Food grains except Rice	7
		Milled food grains except rice	1
		Eggs	0.05 (shell free basis)
		Meat & Poultry	0.05 (carcass fat basis)
		Milk and Milk products	0.05 (F)
155	Profenofos	Cottonseed oil	3

		Soybean	0.01*
		Meat & Meat Products	0.05
156	Prohexadione calcium	Apple	0.01*
157	Propaquizafop	Black gram	0.01
		Soybean	0.01
		Onion	0.01*
158	Propargite	Brinjal	2
		Chilli	2
		Apple	3
		Tea	10
159	Propiconazole	Tea	0.1
		Groundnut seed	0.1
		Rice	0.05
		Soybean seed	0.07
		Wheat	0.05
		Milk and Milk products	0.01
		Meat & Meat Products	0.01
160	Propineb	Rice	0.05
		Tomato	1
		Apple	1
		Pomegranate	0.5
		Potato	0.5
		Green Chilli	2
		Grapes	0.5
161	Pyraclostrobin	Grapes	2

		Potato	0.05*
		Tomato	0.3
		Green chilli	0.05*
		Dry chilli	0.5
		Soybean	0.05
		Cotton	0.02*
		Milk and Milk products	0.03
		Onion	1.5
		Groundnut oil	0.05*
		Ground nut cake	0.05*
		Apple	0.5
		Corn	0.02*
		Cumin	0.02*
		Banana	0.02*
		Blackgram	0.02*
		Cucumber	0.2
		Chilli	0.2
		coffee	0.05*
		Wheat	0.01*
		Pomegranate	0.02*
		Green gram	0.02*
		Rice	0.02*
162	Pyrazosulfuron ethyl	Rice	0.01
163	Pyrethrins (pyrethrum) (sum of pyrethrins I & II and other structurally related insecticide	Food grains	0.3
		Milled food grains	

	Ingredients of pyrethrum)	Fruits and Vegetables	1
164	Pyridalyl	Cottonseed Oil	0.02
		Cabbage	0.02
		Okra	0.02
		Chilli	0.02
165	Pyriproxyfen	Cottonseed	0.05
		Cottonseed Oil	0.03*
		Brinjal	0.02
		Okra	0.03
		Chilli green	0.02
		Chilli red	0.02
166	Pyriithiolac Sodium	Cottonseed Oil	0.02
167	Pymetrozine	Rice	0.01*
168	Quinalphos	Cauliflower	0.1
		Citrus	0.05
		Bengal Gram	0.05
		Cottonseed Oil	0.05
		Mustard seed oil	0.1
		Soybean	0.05
		Groundnut oil	0.3
		Rice	0.01
		Pigeon pea	0.01
		Cardamom	0.01
		Tea	0.01
Fish	0.01		

		Chilli	0.2
		Maize	0.01**
		Potato	0.01**
		Black Pepper	0.01**
169	Quizalofop ethyl	Cottonseed	0.1
		Soybean seed	0.05
		Onion	0.01*
		Groundnut	0.1
		Black Gram	0.01*
170	Quizalofop-P-tefuryl	Soybean Seed	0.02
		Cotton seed/ oil	0.05*
171	Sodium Acefloufen	Soybean	0.05*
172	Spinosad	Cottonseed oil	0.02
		Cabbage	2
		Cauliflower	0.02
		Red gram	0.01
		Chilli	0.01
		Meat & Meat Products	2
173	Spiromesifen	Tomato	0.7#
		Cotton seedc	0.7#
		Apple	0.01
		Brinjal	0.5
		Chilli	0.1
		Tea (green & black)	70#
		Okra	0.03

174	Sulfosulfuron	Wheat	0.02
175	Tebuconazole	Rice	1.5
		Groundnut seed	0.15
		Groundnut oil	0.05
		Wheat	0.05
		Milk and Milk products	0.01
		Tomato	2
		Meat & Meat Products	0.05
		Onion	0.5
		Soybean	0.15
		Mango	0.2
		Grapes	6
		Green Chillies	0.4
		Dry Chillies	4
		Cotton Seed Oil	2
		Apple	1
		Banana	0.05
		Black Gram	0.01*
Maize	0.05*		
Cabbage	0.05*		
176	Thiacloprid	Cottonseed	0.05
		Cottonseed Oil	0.05
		Rice	0.02
		Brinjal	0.7
		Tea	5

		Soybean seed	0.03*
		Apple	0.05*
		Milk and Milk products	0.05
		Meat & Meat Products	0.1
		Chilli (green)	0.02
		Chilli (red)	0.02
177	Thiﬂuzamide	Rice	0.05
178	Thiodicarb	Cabbage	0.02
		Brinjal	0.05
		Red Gram	0.05
		Black Gram	0.03
		Chilli	0.01
		Cottonseed oil	0.02
		Meat & Meat Products	0.02
179	Thiamethoxam	Rice	0.02
		Okra	0.5
		Cottonseed Oil	0.01
		Brinjal	0.3
		Tomato	0.01
		Wheat	0.05
		Tea	20
		Mango	0.01
		Potato	0.01
		Mustard seed	0.01
		Cumin	0.01

		Acid Lime	0.5
		Milk and Milk products	0.05
		Meat & Meat Products	0.02
		Ground Nut	0.05*
		Ground Nut Oil	0.05*
		Sugarcane	0.05*
180	Thiamethoxam and its metabolite (CGA 322704)	Ground Nut	0.05*
		Ground nut oil	0.05*
		Maize	0.05*
		Soybean	0.05*
		Soybean Oil	0.05*
		Green Chilli	0.5
		Dry Chilli	5
181	Thiometon(Residues determined as thiometon its sulfoxide and sulphone expressed as thiometon)	Food grains	0.03
		Milled food grains	0.01
		Fruits	0.5
		Potato, Carrots and Sugar beets	0.05
		Other vegetables	0.5
182	Thiophanate-Methyl	Apple	5
		Papaya	7
		Bottle gourd	0.01**
		Milk and Milk products	0.05
		Wheat	0.03*
		Bottle gourd	0.4

		Pigeon pea	0.03*
		Cucumber	0.2
		Grapes	3
183	Tolfenpyrad	Cabbage	0.01*
		Okra	0.7
184	Trichlorfon	Food grains	0.05
		Milled food grains	0.01
		Sugar beet	0.05
		Fruits & Vegetables	0.1
		Oil seeds	0.1
		Edible oil (Refined)	0.05
		Meat & Poultry	0.1
		Milk and Milk products	0.05
185	Triaccontanol	Milk and Milk products	0.01
186	Triadimefon	Wheat	0.5
		Pea	0.1
		Grapes	2
		Milk and Milk products	0.01*
		Meat & Meat Products	0.02*
		Chilli	0.4
		Coffee	0.5
		Mango	0.03*
		Soybean	0.02*
187	Trifloxystrobin and its metabolites	Tomato	1

	(carboxylic acid-CGA321113)	Wheat	0.2
		Mango	0.4
		Grapes	3
		Green Chillies	0.4
		Dry Chillies	4
		Cotton Seed Oil	0.02
		Apple	0.7
		Banana	0.1
		Maize	0.1
		Cabbage	0.1
188	Triallate	Wheat	0.05
189	Triasulfuron	Wheat	0.01*
190	Triazophos	Chilli	0.2
		Rice	0.6
		Cottonseed oil	1
		Soybean oil	0.05
191	Tricyclazole	Rice	3
		Chilli	0.3
192	Tridemorph	Wheat	0.1
		Grapes	0.5
		Mango	0.05
193	Trifluralin	Wheat	0.05
194	Validamycin	Rice	0.01
195	Flupicolide	Grapes	0.02*
196	Tembotrione	Maize	0.02*
197	Propanil	Rice	0.05*

198	Fluopyram and its metabolites (AE F148815, BCS AA 10139 and AE C657188)	Grapes	2
199	Topramezone	Corn	0.05*
200	Thiocyclam Hydrogen Oxalate	Rice	0.01*
201	2,4-D Amine Salt	Tea	0.05*
202	Ametyrne	Sugarcane	0.05*
203	Fomesafen	Soybean	0.02*
		Soybean oil	0.02*
		Ground nut	0.02*
		Ground nut oil	0.02*
204	Imazamox	Ground nut	0.01*
		Ground nut oil	0.01*
205	Spinetoram and its metabolites (Spinosyn-J and Spinosyn-L)	Chilli	0.05
		Dry Chilli	0.5
		Cotton Seed Oil	0.02
		Soybean	0.02
		Soybean Oil	0.02
206	Sodium Para Nitro Phenolate	Tomato	0.3
		Cotton seed	0.5*
		Cotton seed oil	0.5*
207	Bentazone	Soybean	0.05*
		Soybean oil	0.05*
		Rice	0.05*
208	Cyflumetofen	Tea	0.05*
209	Boscalid	Grapes	5
210	Flucetosulfuron	Rice	0.02*

211	Haloxypop-R Methyl	Soybean	2
		Soybean Oil	0.02*
		Soybean deoiled Cake	0.02*
212	Sulfentrazone and its metabolite Desmethylsulfentrazone and 3- Hydroxymethylsulfentrazone	Soybean	0.2
		Soybean Oil	0.2
		Soybean deoiled Cake	0.2
213	Spirotetramate and its metabolite BYI 08330 cis-enol	Okra	0.3
		Brinjal	0.3
		Green Chilli	2
		Dry Chilli	15
214	Metrafenone	Grapes	5
215	Fluxapyroxad	Grapes	0.05*
		Apple	0.05*
		Rice	5
216	Tetraconazole	Watermelon	0.01*
217	Abamectin	Grapes	0.05*
		Green Chilli	0.05*
		Dry Chilli	0.5
218	Flupyradiflurone and its metabolites Difluroacetic Acid and Difluroethylamino-furanone	Okra	0.8
219	Sulfoxaflor	Cotton Seed/Oil	0.4
		Rice	0.01*

Note1- All these MRL/tolerance limit values are provisional for a period of five years and not fixed on the basis of actual data in the Indian context. They may be reviewed after five years or as and when the relevant scientific data is made available to FSSAI, whichever is earlier.

* MRL fixed at Limit of Quantification (LOQ)

** Insecticides are registered under the Insecticide Act, 1968 (46 of 1968) but label claim for the said commodity are not fixed hence MRL fixed at LOQ

F: MRL Calculation on Fat Basis

MRLs Recommended by 49th Session of Codex Committee on Pesticide Residues (CCPR).