

Date : 22nd February, 2011

SI No	Pesticide	MRL Range EU	LOQ
I) Organochlorine			
1	*Aldrin (Aldrin and dieldrin combined expressed as dieldrin)	0.01	0.01
1.1	*Aldrin	0.01	0.01
1.2	*Dieldrin	0.01	0.01
2	*Chlordane (cis & trans)	0.01	0.01
2.1	cis-Chlordane		0.01
2.2	trans-Chlordane		0.01
3	Chlorothalonil	1.00	0.01
4	*DDT (all isomers)	0.05	0.01
4.1	p,p'-DDT		0.01
4.2	o,p'-DDT		0.01
4.3	p,p'-DDE		0.01
4.4	p,p'-TDE (DDD)		0.01
5	Dicofol	2.00	0.01
6	*Dieldrin (See Aldrin)	0.01	0.01
7	Endosulphan (All isomers)	0.50	0.01
7.1	alpha - Endosulphan		0.01
7.2	beta - Endosulphan		0.01
7.3	Endosulphan Sulphate		0.01
8	*Endrin	0.01	0.01
9	*HCH (sum of isomers, except the gamma isomer)	0.01	0.01
9.1	alpha-HCH		0.01
9.2	beta-HCH		0.01
9.3	delta-HCH		0.01
10	*Heptachlor (sum of heptachlor and heptachlor epoxide expressed as heptachlor)	0.01	0.01
10.1	Heptachlor		0.01
10.2	Heptachlor epoxide		0.01
11	*Lindane (gamma-HCH)	0.01	0.01
II) Organophosphorus			
12	4-bromo-2-chlorophenol (metabolite of Profenophos)	0.01	0.01
13	*Acephate	0.02	0.01
14	*Chlorfenvinphos	0.02	0.01
15	Chlorpyrifos	0.50	0.01
16	Chlorpyrifos-methyl	0.20	0.01
17	*Diazinon	0.01	0.01
18	*Dichlorvos	0.01	0.01
19	*Dimethoate (Including Omethoate)	0.02	0.01
19.1	Dimethoate		0.01
19.2	Omethoate		0.01
20	Edifenphos	0.01	0.01
21	*Ethion	0.01	0.01
22	Etrimphos	0.01	0.01
23	*Fenitrothion	0.01	0.01

24	*Fenthion	0.01	0.01
24.1	Fenthion		0.01
24.2	Fenthion-sulfone		0.01
24.3	Fenthion-sulfoxide		0.01
25	*Glufosinate-ammonium	0.10	0.05
25.1	Glufosinate		0.05
25.2	MPP		0.05
26	Glyphosate	0.50	0.05
26.1	Glyphosate		0.05
26.2	Aminomethylphosphonic acid (AMPA)		0.05
27	Iprobenphos	0.01	0.01
28	Malathion	0.02	0.01
28.1	Malathion		0.01
28.2	Malaoxon		0.01
29	*Methamidophos	0.01	0.01
30	Monocrotophos	0.01	0.01
31	*Omethoate (refer to Dimethoate)	0.02	0.01
32	*Oxydemeton methyl	0.01	0.01
32.1	Oxydemeton- methyl		0.01
32.2	Demeton-S-methylsulfone		0.01
33	*Parathion ethyl	0.05	0.01
34	*Parathion methyl	0.02	0.01
34.1	Parathion methyl		0.01
34.2	Paraoxon methyl		0.01
35	Phenthoate	0.01	0.01
36	*Phorate	0.05	0.01
36.1	Phorate		0.01
36.2	Phorate-sulfone		0.01
36.3	Phorate-sulfoxide		0.01
37	*Phosalone	0.05	0.01
38	*Phosphamidon	0.01	0.01
39	*Pirimiphos-methyl	0.05	0.02
40	*Profenophos	0.05	0.01
41	Propetamphos	0.01	0.01
42	*Quinalphos	0.05	0.01
43	Temephos	0.01	0.01
44	Thiometon	0.01	0.01
45	*Triazophos	0.01	0.01
III) Synthetic Pyrethroids			
46	Allethrin and Bioallethrin	0.01	0.01
47	Bifenthrin	0.20	0.01
48	Cyfluthrin (including other mixtures of constituent isomers sum of isomers)	0.30	0.05
48.1	Cyfluthrin 1		0.05
48.2	Cyfluthrin 2		0.05
48.3	Cyfluthrin 3		0.05
48.4	Cyfluthrin 4		0.05
49	Cypermethrin (including other mixtures of constituent isomers sum of isomers) iso	0.50	0.05
49.1	Cypermethrin 1		0.05
49.2	Cypermethrin 2		0.05

49.3	Cypermethrin 3		0.05
49.4	Cypermethrin 4		0.05
50	Deltamethrin	0.20	0.05
51	Ethofenprox (Etofenprox)	5.00	0.01
52	*Fenpropathrin	0.01	0.01
53	Fenvalerate & Esfenvalerate (sum of RR & SS isomers)	0.10	0.01
54	*Fenvalerate & Esfenvalerate (sum of RS & SR isomers)	0.02	0.01
55	Lambda-cyhalothrin	0.20	0.01
56	*Permethrin (sum of isomers)	0.05	0.01
56.1	cis-Permethrin		0.01
56.2	trans-permethrin		0.01
57	tau- Fluvalinate	0.10	0.01
57.1	tau- Fluvalinate 1		0.01
57.2	tau- Fluvalinate 2		0.01
58	*Transfluthrin	0.01	0.01
IV) Triazines			
59	*Atrazine	0.05	0.01
60	Flufenazine	0.10	0.02
61	Simazine	0.20	0.02
V) Acylamino acid fungicides			
62	Benalaxyl including other mixtures of constituent isomers including Benalaxyl-M (su	0.20	0.02
63	Metalaxyl & Metalaxyl-M	2.00	0.02
64	*Oxycarboxin	0.05	0.02
65	*Propanil	0.10	0.05
VI) Carbamates			
66	Bendiocarb	0.01	0.01
67	*Benfuracarb	0.05	0.01
68	Benomyl (see carbendazim)	0.30	0.01
69	*Carbaryl	0.05	0.01
70	*Carbofuran	0.02	0.01
70.1	Carbofuran		0.01
70.2	3-hydroxy-carbofuran		0.01
71	*Carbosulfan	0.05	0.02
72	*Dazomet (Methylisothiocyanate resulting from the use of dazomet & metam)	0.02	0.01
73	Fenobucarb	0.01	0.01
74	Indoxacarb (sum of R and S isomers)	2.00	0.02
75	Iprovalicarb	2.00	0.02
76	*Methomyl and Thiodicarb (sum of methomyl and thiodicarb expressed as methom	0.02	0.01
76.1	Methomyl		0.01
76.2	Thiodicarb		0.01
77	*Propoxur	0.05	0.01
78	*Thiobencarb (Benthiocarb)	0.10	0.05
79	*Thiodicarb (see Methomyl)	0.02	0.01
VII) Pyrimidines			
80	Fenarimol	0.30	0.10
VIII) Triazoles			
81	*Bitertanol	0.05	0.01
82	Difenoconazole	0.50	0.05
83	Flusilazole	0.05	0.01

84	Hexaconazole	0.10	0.01
85	Myclobutanil	1.00	0.01
86	Pacllobutrazol	0.05	0.01
87	Penconazole	0.20	0.01
88	*Propiconazole	0.05	0.01
89	Tebuconazole	2.00	0.01
90	Triadimefon (sum of triadimefon and triadimenol)	2.00	0.01
90.1	Triadimefon		0.01
90.2	Triadimenol		0.01
IX) Imidazole			
91	Fenamidone	0.50	0.02
92	Iprodione	10.00	0.05
X) Oxazole			
93	Famoxadone	2.00	0.02
XI) Phthalimide			
94	*Captafol	0.02	0.01
95	*Captan	0.02	0.01
XII) Benzimidazole			
96	Carbendazim (including Benomyl)	0.30	0.01
96.1	Benomyl		0.01
96.2	Carbendazim		0.01
97	*Thiophanate-methyl	0.10	0.02
XIII) Dithiocarbamates			
98	Dithiocarbamates (Mancozeb, Maneb, Propineb, Metiram, Thiram, Zineb and Ziram)	5.00	0.10
XIV) Nicotinoids			
99	*Acetamiprid	0.01	0.01
100	Clothianidin (see thiamethoxam)	0.60	0.02
101	Imidacloprid	1.00	0.01
102	*Thiacloprid	0.02	0.01
103	Thiamethoxam (sum of thiamethoxam and clothianidin expressed as thiamethoxam)	0.50	0.02
103.1	Thiamethoxam		0.02
103.2	Clothianidin		0.02
XV) Dinitrophenol			
104	*Dinocap (sum of dinocap isomers and their corresponding phenolsexpressed as d)	0.05	0.02
XVI) Aliphatic Nitrogen fungicides			
105	Cymoxanil	0.20	0.02
XVII) Morpholine			
106	Dimethomorph	3.00	0.05
107	*Tridemorph	0.05	0.02
XVIII) Substituted Thiourea			
108	Diafenthiuron	0.01	0.01
109	*Diuron	0.05	0.02
109.1	Diuron		0.02
109.2	3,4-dichloroaniline		0.02
110	*Iodosulfuron-methyl	0.02	0.01
111	*Isoproturon	0.05	0.01
112	*Linuron	0.05	0.02
113	Lufenuron	1.00	0.02

114	*Pencycuron	0.05	0.01
XIX)	Benzoylphenyl urea		
115	Flufenoxuron	1.00	0.10
XX)	Strobilurin		
116	Azoxystrobin	2.00	0.01
117	Kresoxim methyl	1.00	0.01
118	Pyraclostrobin	1.00	0.01
119	Trifloxystrobin	5.00	0.01
XXI)	Phenyl pyrazole		
120	*Fipronil (sum of fipronil+sulfone metabolite(MB46136)expressed as fipronil)	0.005	0.005
120.1	Fipronil		0.005
120.2	Fipronil sulfone		0.005
XXII)	Pyrazole		
121	Fenpyroximate	0.30	0.05
XXIII)	Nitrophenyl ether		
122	Oxyfluorfen	0.10	0.01
XXIV)	Dinitroaniline		
123	*Pendimethalin	0.05	0.01
124	*Trifluralin	0.10	0.01
XXV)	Anilide/acetanilide and chloroacetanilide		
125	*Alachlor	0.05	0.02
126	Butachlor	0.01	0.01
127	*Carboxin	0.05	0.02
128	*Flufenacet (sum of all compounds containing the N fluorophenyl-NisopropylNisopropyl moiety expressed as flufenacet equivalent)	0.05	0.01
129	*Metolachlor (with S-Metolachlor)	0.05	0.02
130	*Novaluron	0.01	0.01
XXVI)	Miscellaneous group of chemicals		
131	*1-Naphthylacetic acid (alphanaphthyl acetic acid)	0.05	0.02
132	*2,4-D (sum of 2,4-D and its esters expressed as 2,4-D)	0.05	0.01
133	6-Benzyl adenine	0.01	0.01
134	*Abamectin (sum of avermectin B1a, avermectinB1b and delta-8,9 isomer of avermectin)	0.01	0.01
135	Azadirachtin	1.00	0.05
136	*Bifenazate	0.01	0.01
137	Buprofezin	1.00	0.01
138	Cartap hydrochloride	0.01	0.01
139	*Chlormequat (CCC)	0.05	0.01
140	Diflubenzuron	1.00	0.05
141	†Homobrassinolide	0.01	0.01
142	*Diquat	0.05	0.02
143	Dithianon	3.00	0.10
144	*Dodine	0.20	0.05
145	Emamectin Benzoate	0.05	0.01
146	Ethephon	0.70	0.50
147	Fenazaquin	0.20	0.10
148	*Flubendiamide	0.01	0.01
149	*Forchlorfenuron (CPPU)	0.05	0.01
150	Fosetyl-Al (sum fosetyl + phosphorous acid and their salts, expressed as fosetyl)	100.00	1.00

151	Gibberellic acid	5.00	1.00
152	Hexythiazox	1.00	0.10
153	*Hydrogen cyanamide (Cyanamide including salts expressed as cyanamide)	0.05	0.05
154	Isoprothiolane	0.01	0.01
155	Mandipropamid	2.00	0.01
156	Mepiquat	0.30	0.10
157	*Metribuzin	0.10	0.02
158	*Milbemectin (sum of MA4+8,9Z-MA4, expressed as milbemectin)	0.05	0.02
159	*Oxadiazon	0.05	0.02
160	*Paraquat	0.02	0.01
161	Propargite	7.00	0.05
162	*Pyriproxyfen	0.05	0.01
163	Spinosad (sum of Spinosyn A+D)	0.50	0.02
164	*Spiromesifen	0.02	0.01
165	Trichlorfon	0.50	0.10
166	*Tricyclazole	0.05	0.01
167	†Uracil	1.00	1.00
XXVII)	Inorganic		
168	Cadmium	0.05	0.02
169	Copper compounds (all copper fungicides as elemental Cu)	50.00	0.20
170	Lead	0.20	0.10
171	‡Sulphur	0.00	0.50

* EU-MRL set at LOQ (mg/kg) as per http://ec.europa.eu/sanco_pesticides/public/index.cfm?event=substance.selection

† These are natural products. EU-MRL does not exist for these chemicals. Hence, their MRL is set at the LOQ of the method developed and validated at the National Referral Laboratory of the NRC for Grapes.

‡ Annex IV: Active substances of plant protection products evaluated under Directive 91/414/EEC for which no MRLs are required because residues arising from use of the active substance are indistinguishable from natural background levels or other sources.