

Annexure - 11

List of Pesticides to be Analyzed

Value in mg/kg

Sl. No.	Chemicals	EU	UK	Netherlands	Codex
1.	Aldrin(expressed as dieldrin)	0.01	0.01	0.01	
2.	Chlordane (cis & trans)	0.01	0.01	0.02	
3.	Chlorthalonil	1.00	1.00	1.00	0.50
4.	DDT (all isomers)	0.05	0.05	0.05	
5.	Dicofol	2.00	2.00	2.00	5.00
6.	Dichlofluanid	10.00	15.00	10.00	15.00
7.	Dieldrin (See Aldrin)				
8.	Endosulphan (All isomers)	0.50	0.50	0.50	
9.	Endrin	0.01	0.01	0.01	
10.	HCH (alpha & beta)	0.01	0.01	0.01**	
11.	Heptachlor	0.01	0.01	0.01	
12.	Lindane	0.01	0.01	0.01	0.50
13.	Acephate	0.02	0.02	0.02	
14.	Methamidophos	0.01	0.01	0.01	
15.	Azinphos methyl	1.00	2.00	1.00	
16.	Chlorfenvinphos	0.05	0.05	0.05	
17.	Chlorpyrifos	0.50	0.50	0.50	1.00
18.	Chlorpyrifos-methyl	0.20	0.20	0.20	0.20
19.	Diazinon	0.02	0.02	0.02	
20.	Dichlorvos	0.10	0.10	0.10	
21.	Dimethoate (Including Omethoate)	0.02	0.02	0.02	1.00
22.	Ethion	0.50	0.50	0.50	
23.	Etrimphos	#	#	0.05	
24.	Fenchlorphos	0.01	0.01	0.01	
25.	Fenitrothion	0.50	0.50	0.50	0.50
26.	Fosetyl- Al	#	#	0.20	
27.	Malathion	0.50	0.50	0.50	8.00
28.	Mevinphos	0.10	0.10	0.10	0.50
29.	Monocrotophos	#	#	0.05	
30.	Omethoate (Refer Dimethoate)				
31.	Oxydematon-methyl	0.02	0.02	0.02	
32.	Profenophos	0.05	0.05	0.05	
33.	4-bromo-2-chlorophenol	0.01	0.01	0.01	
34.	Parathion-methyl	0.02	0.02	0.02	
35.	Parathion ethyl	0.05	0.05	0.05	

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36.	Phosalone	1.00	1.00	1.00	
37.	Phosmet	#	#	0.05	10.00
38.	Phosphamidon	0.15	#	0.20	
39.	Quinalphos	0.05	0.05	0.05	
40.	Triazophos	0.02	0.02	0.02	
41.	Triadimephon	2.00	2.00	2.00	0.50
42.	Cyfluthrin	0.30	0.30	0.30	
43.	Cypermethrin	0.50	0.50	0.50	
44.	Deltamethrin	0.10	0.10	0.10	0.05
45.	Fenvalerate & Esfenvalerate (sum of RR & SS isomers)	0.10	0.10	0.10	
46.	Fenvalerate & Esfenvalerate (sum of RS & SR isomers)	0.02	0.02	0.02	
47.	Lambda-cyhalothrin	0.20	0.20	0.20	
48.	Permethrin	0.05	0.05	0.05	2.00
49.	Atrazine	0.10	0.10	0.10	
50.	Benalaxyl	0.20	0.20	0.20	0.20
51.	Metalaxyl	2.00	2.00	2.00	1.00
52.	Carbaryl	3.00	5.00	3.00	5.00
53.	Carbofuran	0.10	0.10	0.10	
54.	Methomyl	0.05	0.05	0.05	5.00
55.	Carbosulfan	0.05	0.05	0.05	
56.	Thiodicarb (See methomyl)				
57.	Fenarimol	0.30	0.30	0.30	0.30
58.	Bitertanol	0.05	0.05	0.05	
59.	Hexaconazole	0.10	0.10	0.10	0.10
60.	Myclobutanil	1.00	1.00	1.00	1.00
61.	Penconazole	0.20	0.20	0.20	0.20
62.	Propiconazole	0.50	0.50	0.50	0.50
63.	Imazalil	0.02	0.02	0.02	
64.	Captafol	0.02	0.02	0.02	
65.	Captan	3.00	3.00	3.00	
66.	Iprodione	10.00	10.00	10.00	10.00
67.	Procymidone	5.00	5.00	5.00	5.00
68.	Vinclozolin	5.00	5.00	5.00	5.00
69.	Carbendazim (Including Benomyl, Thiophenate-methyl)	2.00	2.00	2.00	10.00
70.	Ethylene thio urea	#	#	0.02	
71.	Carbon di sulfide (Mancozeb, Maneb, Propineb and Ziram collectively estimated as CS ₂)	2.00	2.00	2.00	5.00

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72.	Imidacloprid	#	#	1.00	
73.	Thiamethoxam	#	#	0.05	
74.	Dinocap	#	#	0.05	
75.	Cymoxanil	#	0.10	0.05	
76.	Sulphur	#	#	50.00	
77.	Copper	#	#	20.00	
78.	Fipronil	#	#	0.01	

**** In Netherlands, a HCH & β HCH has separate MRL of 0.01 mg/kg.**

- No MRL exists

Clarification regarding the use of # by Nominated Laboratories and PSC authorities:

1. MRL values specified in respect of Monocrotophos, Fipronil, Phosmet and Etrimphos for the Netherlands would be used as a guiding factor for UK and EU as they are extremely toxic chemicals.
2. For Phosphamidon, the MRL value for the Netherlands will be used for UK.
3. For Thiamethoxam, a tolerance limit of 0.1 mg/kg has been fixed for EU and UK.
4. For Imidacloprid, a tolerance limit of 1 mg/kg has been fixed for EU and UK.
5. For Cymoxanil, 0.1 mg/kg has been fixed for EU MRL.
6. For other chemicals viz. Dinocap, Sulphur, Fosetyl Al, Ethylene thiourea and Copper, failure of the samples will only be with regard to the country where clear MRL values exist.

For Nominated Laboratories only:

In the test report, 'Result' under the heading 'Certificate', the laboratory should clearly state 'The sample conforms to the MRL requirements of the EU, UK or Netherlands'.

All analytical values above LOQ to be reported only at two decimal points.

MRL Update:

1. UK MRLs – update available 7th March 2005
2. Netherlands MRLs – update available February 2005
3. EU MRLs – update available November 2004