

Annex II:

Negative List of Pesticides (WHO Ia + Ib)

World Health Organisation classifications

The WHO classification measures acute toxicity. FAO recommends that WHO Ia and Ib pesticides should not be used in developing countries, and if possible class II should also be avoided. Not that a 'weaker' formulation will move these active ingredients into a lower hazard classification.

WHO Ia

Extremely Hazardous

Aldicarb
Brodifacoum
Bromadiolone
Bromethalin
Calcium cyanide
Captafol
Chlorethoxyfos
Chlormephos
Chlorophacinone
Difenacoum
Difethialone
Diphacinone
Disulfoton
EPN
Ethoprophos
Flocoumafen
Fonofos
Hexachlorobenzene
Mercuric chloride
Mevinphos
Parathion
Parathon methyl
Phenylmercury acetate
Phorate
Phosphamidon
Sodium Fluoroacetate
Sulfotep
Tebupirimfos
Terbufos

WHO Ib

Highly Hazardous

3-chloro-1,2-propanediol
Acrolein
Allyl alcohol
Azinphos ethyl
Azinphos-methyl
Blasticidin-S
Butocarboxim
Butoxycarboxim
Cadusafos
Calcium arsenate
Carbofuran
Chlorfenvinphos
Coumaphos
Coumatetralyl
Demeton-s-methyl
Dichlorvos
Dicrotophos
Dinoterb
DNOC
Edifenphos
Ethiofencarb
Famphur
Fenamiphos
Flucythrinate
Fluoroacetamide
Formetanate
Furathiocarb
Heptenophos
Isazofos
Isofenphos
Isoxathion

Lead arsenate
Mecarbam
Mercuric oxide
Methamidophos
Methidathion
Methiocarb
Methomyl
Monocrotophos
Nicotine
Omethoate
Oxamyl
Oxydemetonmethyl
Paris green
Pentachlorophenol
Pindone
Pirimiphos ethyl
Propaphos
Propetamphos
Sodium arsenite
Sodium cyanide
Strychnine
Tefluthrin
Thallium sulfate
Thiofanox
Thiometon
Triazophos
Vamidothion
Warfarin
Zeta cypermethrin
Zinc phosphide

Reference: The WHO Recommended Classification of Pesticides by Hazard, 2002-2002

Annex III:

List of pesticides and chemicals with carcinogenic potential

These pesticides and chemicals should not be used in cut flower, fern, plants and foliage production

(based on EPA List dated January 22, 2007)

- 1) Acetochlor
- 2) Acifluorfen sodium
- 3) Acrylnitrile
- 4) Alachlor
- 5) Aldrin
- 6) Amitrole
- 7) Aramite
- 8) Arsenic compounds
- 9) Azobenzene
- 10) Benthiavalicarb-isopropyl
- 11) Butachlor
- 12) Cacodylic acid
- 13) Cadmium compounds
- 14) Captafol
- 15) Captan
- 16) Carbaryl
- 17) Carbontetrachloride
- 18) Chlordane
- 19) Chlordimeform
- 20) p-Chloroaniline
- 21) Chloroform
- 22) Chlorothalonil
- 23) Clodinafop-propargyl
- 24) Creosote
- 25) Cyproconazole
- 26) Daminozide
- 27) DDD
- 28) DDE
- 29) DDT
- 30) Dibromochloropropane (DBCP)
- 31) 1,2-Dibromoethane
- 32) 1,2-Dichloroethane
- 33) Dichloromethane
- 34) 1,3-Dichloropropene (Telone II)
- 35) Diclofop-methyl
- 36) Dicrotophos
- 37) Dieldrin
- 38) Diuron
- 39) Epichlorhydrin
- 40) Epoxiconazole
- 41) Ethoprop (Ethoprophos)
- 42) Ethylene oxide
- 43) Ethylene thiourea (ETU)
- 44) Fenoxycarb
- 45) Ferdam
- 46) Fluthiacet-methyl
- 47) Folpet
- 48) Formaldehyde
- 49) Furilazole (MON 13900)
- 50) Furmecyclox
- 51) Haloxyfop-methyl (Verdict)
- 52) Heptachlor
- 53) Heptachlorbenzene (HCB)
- 54) Hexachlorocyclohexane
- 55) Imazalil
- 56) Iprodione (Glycophene)
- 57) Iprovalicarb
- 58) Isoxaflutole
- 59) Kresoxim-methyl
- 60) Lactofen (Cobra)
- 61) Lindane
- 62) Malathion
- 63) Mancozeb
- 64) Maneb
- 65) Mepanipyrim
- 66) Metam sodium
- 67) Methylisothiocyanate
- 68) Metiram
- 69) MGK Repellent 326
- 70) MON 4660
- 71) Nitrapyrin
- 72) Orthophenylphenol & Na-Salt
- 73) Oxythioquinox
- 74) Pentachlorophenol
- 75) Phosmet
- 76) Pirimicarb
- 77) Polychlorinated biphenyls
- 78) Procymidone
- 79) Pronamide (Kerb)
- 80) Propachlor
- 81) Propanil
- 82) Propargite (Omite)
- 83) Propoxur
- 84) Pymetrozine
- 85) Pyraflufen-ethyl
- 86) Pyrethrins
- 87) Resmethrin
- 88) Spirodiclofen
- 89) Sulfosulfuron
- 90) Terrazole
- 91) Tetrachlorvinphos
- 92) Tetraconazole
- 93) Thiabendazole
- 94) Thiacloprid
- 95) Thiodicarb
- 96) Thiophanate-methyl
- 97) Tolyfluanid
- 98) Toxaphene
- 99) Tribufos (Tribuphos / DEF)
- 100) Trichlorfon (Trichlorphon)
- 101) 2,4,6-Trichlorphenol
- 102) Triphenyltin hydroxide
- 103) UDMH
- 104) Zineb

Annex IV:

Additional prohibited Pesticides and Chemicals

A) PAN Dirty Dozen and PIC-Pesticides (Prior Informed Consent)

1	2,4,5-T	17	Ethylene oxide
2	Aldicarb	18	Fluoroacetamide
3	Aldrin	19	HCH (mixed isomers)
4	Binapacryl	20	Heptachlor
5	Captafol	21	Hexachlorobenzene
6	Chlordane	22	Lindane
7	Chlordimeform	23	Mercury compounds
8	Chlorbenzilate	24	Methyl bromide
9	DBCP	25	Paraquat
10	DDT	26	Pentachlorophenol
11	Dieldrin	27	Toxaphen
12	Dinoseb	28	Methamidophos
13	DNOC	29	Monocrotophos
14	Ethylene dibromide	30	Methyl parathion
15	Endrin	31	Parathion
16	Ethylene dichloride		

B) Gaseous or volatile Fumigants (WHO Table 8)

1	Aluminium phosphide	7	Formaldehyde
2	Chloropicrin	8	Hydrogen cyanide
3	1,2-Dibromoethane	9	Magnesium phosphide
4	1,3-Dichloropropene	10	Methyl bromide
5	Ethylene dichloride	11	Phosphine
6	Ethylene oxide	12	Sulfuryl fluoride

Annex V: Wildlife Toxicity of Pesticides

A) Toxic to Fish

Acetochlor, Alachlor, Aldicarb, Aldrin, Allethrin, Amitraz, Azamethiphos, Azinphos-methyl, Azocyclotin, BAP, Benzfuracarb, Bifenox, Bifenthrin, Bromadiolone, Bromophos, Bromophos-methyl, Bromoxynil, Butylate, Cadusafos, Captafol, Captan, Chlordane, Chlorethoxyfos, Chlorfenvinphos, Chlormephos, Chlorpicrin, Chlorothalonil, Chlorpyrifos, Cloethocarb, Copper Oxychloride, Copper Oxide, Cyanofenphos, Cyhalothrin, Cypermethrin, Dazomet, DDT, Diazinon, Dichlofenthion, Dichlofluanid, Dichlorvos, Diclobutrazol, Diclofop-methyl, Dicofol, Dieldrin, Dienochlor, Difenconazole, Dinobuton, Dinocap, Dinosep, Dinoterp, Diphenylamine, Dodine, Drazoxolon, Edifenphos, Endosulfan, Endothal, EPTC, Esfenvalerate, Ethion, Ethoprop, Fenbutatin-oxide, Fenoxaprop-ethyl, Fenpiclonil, Fenpropidin, Fensulfothion, Fenvalerate, Fludioxonil, Fluvalinate, Folpet, Fonofos, Heptenophos, Jodfenphos, Malathion, Maneb, Mephosfolan, Metam-Sodium, Methasulfocarb, Methomyl, Methylisothiocyanate, Monocrotophos, Naled, Niclosamide, Nitrofen, Oxadiazon, Oxamyl, Oxyfluorfen, Parathion, Parathion-methyl, PCNB, Pendimethalin, Permethrin, Phosalone, Phosmet, Pirimiphos-methyl, Promecarb, Prometryn, Propachlor, Propargite, Propiconazole, Prothiophos, Pyrazophos, Quizalofop-ethyl, Resmethrin, Rotenone, Sodium arsenite, Tebufenpyrad, Tefluthrin, Terbutryn, Tetramethrin, Thiophanate-methyl, Thiram, Thiodicarb, Tralomethrin, Triazophos, Tribufos, Triflumizole, Tolyfluanid, Zineb.

B) Toxic to Bird

Aldicarb, Aldoxycarb, Aldrin, Azamethiphos, Azinphos-ethyl, Cadusafos, Carbofuran, Chlorethoxyfos, Chlorfenvinphos, Chlorpyrifos, Demeton-S-methyl, Diazinon, Dicamba, Dichlorvos, Dimethoate, Dinobuton, Dinoseb, Diphacione, Drazoxolon, Endosulfan, EPN, Ethoprop, Fensulfothion, Fonofos, Formetanate, Isazofos, Lindane, Metaldehyde, Methamidophos, Mevinphos, Monocrotophos, Oxydisulfoton, Parathion, Parathion-methyl, Phorate, Phosphamidon, Phoxim, Pirimiphos-methyl, Propaphos, Sodium arsenite, Thiodicarb.

C) Toxic to Bee

Abamectin, Acephate, Azinphos-ethyl, Bacillus thuringiensis BT, BAP, Bifenthrin, Bromophos-ethyl, Carbaryl, Carbosulfan, Chlorfenvinphos, Chlormephos, Chlorpyrifos, Cloethocarb, Copper sulfate, Cypermethrin, DDVP, Deltamethrin, Demeton, Demeton-S-methyl, Diazinon, Dichlorvos, Dicrotophos, Dieldrin, Dimethoate, Dinobuton, Dinoseb, Dinoterp, DNOC, Esfenvalerate, Ethron, Etrimfos, Fenitrothion, Fenpropathrin, Fensulfothion, Fenvalerate, Fonofos, Heptachlor, Heptenophos, Jodfenphos, Lindane, Malathion, Mephosfolan, methamidophos, Methidathion, Methomyl, Mexacarbate, Monocrotophos, Naled, Omethoate, Oxadiazon, Oxamyl, Oxydemeton-methyl, Oxydisulfoton, Parathion, Parathion-methyl, Permethrin, Phenothrine, Phenthoate, Phosmet, Phosphamidon, Pirimiphos-methyl, Promecarb, Pyrazophos, Quinalphos, Resmethrin, Tetrachlorvinphos, Tetramethrin, Thiometon, Tralomethrin, Triaziphos, Triflumuron.

Ref: Crop Protection Handbook 2004