

P2200 COLUMBIA PESTICIDE PROFILE

Compound	MDL (mg/kg)		Compound	MDL (mg/kg)		Compound	MDL (mg/kg)	
	Hi H2O	Lo H2O		Hi H2O	Lo H2O		Hi H2O	Lo H2O
Acephate	0.02	0.05	Cypermethrin	0.02	0.05	Flucythrinate	0.05	0.1
Acetochlor	0.05	0.2	Dacthal (chlorthal-dimethyl)	0.01	0.05	Fludioxonil	0.02	0.05
Acrinathrin	0.05	0.1	DDD (TDE)	0.02	0.04	Fluopicolide	0.05	0.1
Alachlor	0.01	0.03	DDE	0.01	0.02	Fluopyram	0.02	0.05
Aldrin	0.01	0.02	DDT	0.02	0.03	Fluvalinate	0.02	0.05
Allethrin	0.1	0.3	DEF (Tribufos)	0.02	0.05	Folpet	0.1	0.3
Ametryn	0.05	0.2	Deltamethrin	0.02	0.08	Fonofos (Dyfonate)	0.01	0.03
Anilazine	0.1	0.3	Demeton-S-methyl	0.05	0.1	Heptachlor	0.01	0.02
Aroclors (PCB's)	0.2	0.5	Diallate	0.1	0.5	Heptachlor Epoxide	0.01	0.02
Aspon	0.02	0.05	Diazinon	0.01	0.03	Heptenophos	0.05	0.1
Atrazine	0.02	0.05	Diazoxon (Diazinon OA)	0.02	0.05	Hexachlorobenzene (HCB)	0.01	0.02
Azinphos-methyl	0.03	0.1	Dichlobenil	0.07	0.2	Hexaconazole	0.1	0.2
Azinphos-methyl OA *	0.2	0.5	Dichlofenthion	0.02	0.06	Imidoxone (Phosmet OA)	0.1	0.3
Benalaxyl	0.05	0.1	Dichlofluanid	0.02	0.05	Iprodione	0.02	0.1
Bendiocarb	0.02	0.05	Dichlorvos (DDVP)	0.03	0.06	Isobenzan	0.01	0.03
Benfluralin	0.02	0.05	Diclobutrazol	0.05	0.1	Isodrin	0.01	0.02
Benoxacor	0.01	0.03	Diclofop Methyl	0.05	0.1	Isofenphos	0.02	0.05
a-BHC	0.01	0.03	Dicloran	0.02	0.05	Isofenphos OA	0.08	0.2
b-BHC	0.03	0.08	Dicofol (Kelthane)	0.02	0.05	Isopropalin	0.02	0.05
d-BHC	0.01	0.02	Dicrotophos	0.03	0.06	Kresoxim-methyl	0.02	0.05
Bifenoxy	0.01	0.03	Diethrin	0.01	0.02	Lactofen	0.02	0.05
Bifenthrin	0.02	0.05	Diethofencarb	0.02	0.05	Lambda-Cyhalothrin	0.04	0.1
Binapacryl	0.03	0.1	Dimethoate	0.02	0.05	Lindane (g-BHC)	0.01	0.03
Boscalid	0.03	0.08	Dioxathion	0.07	0.2	Linuron	0.1	0.3
Bromacil	0.05	0.1	Diphenamid	0.1	0.2	Malaoxon (Malathion OA)	0.03	0.1
Bromophos	0.02	0.05	Diphenylamine (DPA)	0.02	0.05	Malathion	0.02	0.05
Bromophos Ethyl	0.03	0.08	Disulfoton (Di-syston)	0.02	0.05	Mecarbam	0.03	0.08
Bromopropylate	0.02	0.05	Disulfoton OA Sulfone	0.04	0.1	Merphos	0.03	0.1
Buprofezin	0.01	0.05	Disulfoton Sulfone	0.02	0.05	Metalaxyl / Mefenoxam	0.05	0.2
Butachlor	0.1	0.3	Edifenphos	0.04	0.1	Methamidophos (Monitor)	0.02	0.05
Butralin	0.05	0.2	Endosulfan I & II	0.01	0.03	Methidathion	0.04	0.1
Butylate	0.05	0.2	Endosulfan Sulfate	0.02	0.05	Methoxychlor	0.03	0.08
Cadusafos	0.02	0.05	Endrin	0.02	0.05	Methyl Paraoxon	0.02	0.05
Captafol	0.05	0.1	Endrin Aldehyde	0.02	0.05	Methyl Parathion	0.01	0.03
Captan	0.02	0.1	EPN	0.03	0.06	Metobromuron	0.1	0.3
Carbophenothion	0.03	0.07	EPTC (Eptam)	0.03	0.08	Metolachlor	0.05	0.1
Carbophenothion Methyl	0.03	0.1	Esfenvalerate	0.02	0.05	Metribuzin	0.01	0.05
Carboxin	0.05	0.1	Ethalfuralin	0.01	0.03	Mevinphos	0.02	0.05
Chlordane	0.03	0.07	Ethion	0.02	0.07	Mirex	0.01	0.02
Chlorfenapyr	0.02	0.05	Ethoprop (Ethoprophos)	0.01	0.03	Monocrotophos	0.04	0.08
Chlorfenvinphos	0.03	0.1	Etoxazole	0.03	0.06	Monolinuron	0.1	0.3
Chlornitrofen	0.01	0.03	Etridiazole	0.03	0.1	Myclobutanil	0.02	0.05
Chlorobenzilate	0.1	0.2	Etrimfos	0.02	0.05	Naled	0.05	0.1
Chloroneb	0.03	0.1	Famphur	0.05	0.1	Napropamide	0.05	0.1
Chlorothalonil	0.02	0.1	Fenamidon	0.05	0.1	Nitrapyrin	0.02	0.05
Chlorpropham (CIPC)	0.1	0.3	Fenamiphos	0.03	0.08	Nitrofen	0.01	0.02
Chlorpyrifos	0.01	0.02	Fenarimol	0.03	0.08	Nuarimol	0.05	0.1
Chlorpyrifos Methyl	0.01	0.03	Fenitrothion	0.02	0.06	Omethoate	0.03	0.06
Chlorthion	0.02	0.05	Fenpropathrin	0.05	0.1	Ovex (Chlorfenson)	0.03	0.1
Chlorthiophos	0.02	0.05	Fenson	0.02	0.05	Oxadiazon	0.02	0.05
Coumaphos	0.1	0.3	Fensulfothion	0.05	0.1	Oxadixyl	0.05	0.1
Crotoxyphos	0.1	0.3	Fenthion	0.02	0.06	Oxyfluorfen (Goal)	0.02	0.05
Cyanazine	0.05	0.1	Fenvalerate	0.02	0.05	Oxythioquinox (Morestan)	0.05	0.1
Cyanophos	0.02	0.05	Fipronil	0.02	0.05	Paclobutrazol	0.05	0.1
Cycloate	0.03	0.1	Fluazinam	0.01	0.03	Paraoxon (Parathion OA)	0.02	0.05
Cyfluthrin	0.05	0.1	Fluchloralin	0.02	0.05	Paraoxon Methyl	0.02	0.05

Compound	MDL (mg/kg)		Compound	MDL (mg/kg)		Compound	MDL (mg/kg)	
	Hi H2O	Lo H2O		Hi H2O	Lo H2O		Hi H2O	Lo H2O
Parathion	0.01	0.03	Prometryn	0.05	0.1	Terbacil	0.05	0.1
Parathion Methyl	0.01	0.03	Propachlor	0.1	0.3	Terbufos	0.02	0.05
PCNB (Quintozene)	0.01	0.02	Propargite (Omite)	0.02	0.1	Terbutylazine	0.05	0.1
Pendimethalin	0.02	0.05	Propazine	0.05	0.1	Terbutryn	0.05	0.1
Pentachloroaniline (PCA)	0.02	0.05	Propetamphos	0.02	0.05	Tetrachlorvinphos	0.03	0.1
Permethrin	0.02	0.05	Propham (IPC)	0.1	0.2	Tetraconazole	0.05	0.1
Perthane	0.02	0.05	Propiconazole	0.01	0.04	Tetradifon	0.02	0.05
Phenthoate	0.02	0.05	Propyzamide (Pronamide)	0.05	0.1	Thiabendazole (TBZ)	0.1	0.2
o-Phenylphenol	0.02	0.1	Prothiofos (Tokuthion)	0.02	0.05	Thiobencarb	0.1	0.2
Phorate	0.01	0.03	Pyrazophos	0.03	0.1	Thiometon	0.1	0.3
Phorate Sulfone	0.01	0.03	Pyridaben	0.03	0.1	Thionazin (Zinophos)	0.05	0.1
Phorate Sulfoxide	0.03	0.07	Pyrimethanil	0.05	0.2	Tolclofos-methyl	0.02	0.05
Phoratoxon (Phorate OA)	0.02	0.05	Quinalphos	0.02	0.05	Tolyfluanid	0.03	0.07
Phosalone	0.05	0.1	Quinoxifen	0.05	0.1	Toxaphene	0.5	1
Phosmet	0.05	0.1	Ronnel (Fenchlorphos)	0.04	0.1	Tralomethrin	0.02	0.05
Phosphamidon	0.03	0.06	Simazine	0.05	0.1	Triadimefon	0.02	0.05
Piperonyl Butoxide	0.05	0.2	Simetryn	0.05	0.2	Triadimenol	0.05	0.2
Pirimicarb	0.1	0.2	Sulfallate	0.03	0.1	Triallate	0.03	0.1
Pirimiphos Ethyl	0.02	0.05	Sulfotep	0.02	0.05	Triazophos	0.02	0.05
Pirimiphos Methyl	0.02	0.05	Sulprofos	0.03	0.1	Tridiphane	0.02	0.05
Procymidone	0.04	0.1	TCNB (Tecnazene)	0.02	0.05	Trifloxystrobin	0.04	0.1
Prodiamine	0.02	0.05	Tebuconazole	0.01	0.04	Trifluralin	0.01	0.03
Profenofos	0.05	0.1	Tebupirimfos	0.02	0.05	Vinclozolin	0.02	0.05
Profluralin	0.02	0.05	Tefluthrin	0.02	0.05	Zoxamide	0.03	0.08

ND = Not Detectable

mg/kg = Parts per Million (ppm) ($\mu\text{g/g}$)

* OA = oxygen analog

MDL = Method Detection Limit. Equivalent to Minimum Quantifiable Level or Limit of Quantitation.

"Hi H2O" & "Lo H2O" signify vegetation (food) samples that contain greater than & less than approx. 75% moisture.

MDL's above are typical of most analyses. Factors affecting the MDL include instrumentation sensitivity for a particular analyte, sample size, moisture content (percent solids) of the sample, effectiveness of the cleanup on the sample extract, and especially the type of sample matrix.