

## Pesticide Screening in Beepollen, Limits of Quantification (Oct. 18<sup>th</sup> 2013)

Pesticide (Agent)	LC-MS/MS LOQ [mg/kg]	GC-MS/MS LOQ [mg/kg]
Abamectin	0.01	
Acephate	0.01	0.01
Acetamiprid	0.01	
Aclonifen		0.01
Acrinathin		0.01
Alachlor		0.01
Aldicarb	0.01	
Aldicarb sulfone (= Aldoxycarb)	0.01	
Aldicarb sulfoxide	0.01	
Aldrin		0.01
Allethrin		0.01
Amitraz (incl. the metabolites containing the 2,4 - dimethylaniline moiety expressed as amitraz)	0.01	
Azinphos-ethyl	0.01	0.01
Azinphos-methyl	0.01	0.01
Azoxystrobin	0.01	
Benalaxyl	0.01	
Benfluralin		0.01
Bifenthrin		0.01
Binapacryl		0.01
Bitertanol	0.01	
Boscalid	0.01	
Bromacil	0.01	
Bromophos (-methyl)		0.01
Bromophos-ethyl		0.01
Bromopropylate (incl. 4,4'-Dibromobenzophenone)		0.01
Bromuconazole	0.01	
Bupirimate	0.01	
Buprofezin	0.01	
Cadusafos	0.01	
Captan		0.01
Carbaryl	0.01	
Carbendazim (incl. Benomyl)	0.01	
Carbofuran (incl. Carbosulfan)	0.01	
Carbofuran, 3-Hydroxy-	0.01	
Carbophenothion		0.01
Chlordane, alpha- (cis-)		0.01
Chlordane, Oxy-		0.01
Chlordane, gamma- (trans-)		0.01
Chlorfenapyr		0.01
Chlorfenson		0.01
Chlorfenvinphos	0.01	0.01
Chlormephos		0.02
Chlorobenzilate		0.01
Chloroneb		0.01
Chloropropylate		0.01
Chlorothalonil		0.01
Chloroxuron	0.01	
Chlorpropham		0.01
Chlorpyrifos (-ethyl)		0.01

<b>Pesticide (Agent), continued</b>	<b>LC-MS/MS LOQ [mg/kg]</b>	<b>GC-MS/MS LOQ [mg/kg]</b>
Chlorpyrifos-methyl		0.01
Chlorthal-dimethyl		0.01
Chlorthion		0.01
Chlorthiophos		0.01
Chlozolinate		0.01
Clofentezine	0.01	
Clomazone	0.01	
Clothianidin	0.01	
Coumaphos		0.01
Cyanofenphos		0.01
Cyanophos		0.01
Cyfluthrin		0.01
Cyhalothrin, lambda-		0.01
Cymiazole	0.01	
Cypermethrin		0.01
Cyproconazole	0.01	
Cyprodinil	0.01	
DDD, o,p-		0.01
DDD, p,p-		0.01
DDE, o,p-		0.01
DDE, p,p-		0.01
DDT, o,p-		0.01
DDT, p,p-		0.01
Deltamethrin		0.01
Demeton-S-methyl	0.01	
Demeton-S-methyl sulfone	0.01	
Diazinon		0.01
Dichlobenil		0.01
Dichlofenthion		0.01
Dichlofluanid		0.01
Dichlorvos	0.01	0.01
Dicloran		0.01
Dicofol (incl. 4,4'-Dichlorobenzophenone)		0.01
Dieldrin		0.01
Diethofencarb	0.01	
Diethyltoluamid (DEET)	0.01	
Difenoconazole	0.01	
Diflubenzuron	0.01	
Dimethoate	0.01	
Dimethomorph	0.01	
Dimoxystrobin	0.01	
Diniconazole	0.01	
Diphenylamine	0.01	
Disulfoton	0.01	
Disulfoton-PS-sulfone	0.01	
Disulfoton-PS-sulfoxide	0.01	
Ditalimfos		0.01
Diuron	0.01	
Dodine	0.01	
Endosulfan, alpha-		0.01
Endosulfan, beta-		0.01

<b>Pesticide (Agent), continued</b>	<b>LC-MS/MS LOQ [mg/kg]</b>	<b>GC-MS/MS LOQ [mg/kg]</b>
Endosulfan-sulfat		0.01
Endrin		0.01
EPN	0.01	
Epoxiconazole	0.01	
Esfenvalerate		0.01
Ethiofencarb	0.01	
Ethion		0.01
Ethoprophos	0.01	
Ethoxyquin	0.01	
Etofenprox		0.01
Etridiazole		0.01
Etrimfos		0.01
Famoxadone	0.01	
Famphur		0.01
Fenamiphos	0.01	
Fenarimol	0.01	
Fenazaquin	0.01	
Fenbuconazole	0.01	
Fenchlorphos		0.01
Fenhexamid	0.01	
Fenitrothion		0.01
Fenoxycarb	0.01	
Fenpropathrin		0.01
Fenpropimorph	0.01	
Fenpyroximate	0.01	
Fenson		0.01
Fensulfothion		0.01
Fenthion	0.02	
Fenthion-oxon	0.07	
Fenthion-PO-sulfone (= Fenthion-oxon-sulfone)	0.04	
Fenthion-PS-sulfone (= Fenthion-sulfone)	0.02	
Fenthion-sulfoxide	0.01	
Fenvalerate		0.01
Fipronil		0.01
Fluazifop-P-butyl	0.01	
Fluazinam	0.01	
Fluchloralin		0.01
Flucythrinate		0.01
Fludioxonil	0.01	
Flufenoxuron	0.01	
Fluquinconazole	0.01	
Flusilazole	0.01	
Fluvalinate, tau-		0.01
Folpet		0.01
Fonofos	0.01	
Formothion		0.02
Halfenprox		0.01
HCH, alpha-		0.01
HCH, beta-		0.01
HCH, delta-		0.01
Heptachlor		0.01

<b>Pesticide (Agent), continued</b>	<b>LC-MS/MS LOQ [mg/kg]</b>	<b>GC-MS/MS LOQ [mg/kg]</b>
Heptachlor epoxide, cis- (exo)		0.01
Heptachlor epoxide, trans- (endo)		0.01
Heptenophos		0.01
Hexachlorobenzene (HCB)		0.01
Hexaconazole	0.01	
Hexaflumuron		0.01
Hexythiazox	0.01	
Imazalil	0.01	
Imidacloprid	0.01	
Indoxacarb	0.01	
Iodofenphos		0.01
Iprobenfos		0.01
Iprodione		0.01
Iprovalicarb	0.03	
Isazofos		0.01
Isocarbofos		0.01
Isodrin		0.01
Isofenphos	0.02	
Isofenphos-methyl	0.01	
Isoproturon	0.01	
Isoxathion		0.01
Kresoxim-methyl	0.01	
Leptophos		0.01
Lindane (gamma-HCH)		0.01
Linuron	0.01	
Lufenuron	0.01	
Malaoxon	0.01	
Malathion	0.01	
Mecarbam	0.01	
Mepanipyrim	0.01	
Mepronil	0.01	
Metalaxyl	0.01	
Metamitron	0.01	
Metazachlor	0.01	
Methacrifos		0.01
Methamidophos	0.01	0.01
Methidathion		0.01
Methiocarb	0.01	
Methiocarb sulfone	0.01	
Methiocarb sulfoxide	0.01	
Methomyl	0.01	
Methoxychlor		0.01
Methoxyfenozide	0.01	
Metobromuron	0.01	
Metolcarb	0.01	
Metribuzin	0.01	
Mevinphos		0.01
Mirex		0.01
Monocrotophos		0.02
Monolinuron	0.01	
Myclobutanil	0.01	

<b>Pesticide (Agent), continued</b>	<b>LC-MS/MS LOQ [mg/kg]</b>	<b>GC-MS/MS LOQ [mg/kg]</b>
Nitenpyram	0.01	
Nitrapyrin		0.01
Nitrofen		0.01
Nuarimol	0.01	
Omethoate	0.01	
o-Phenylphenol (= 2-Phenylphenol)		0.01
Oxadixyl	0.01	
Oxamyl	0.01	
Oxydemeton-methyl (= Demeton-S-methyl sulfoxide)	0.02	
Paraoxon-ethyl		0.01
Paraoxon-methyl		0.01
Parathion-ethyl		0.01
Parathion-methyl		0.01
Penconazole	0.01	
Pencycuron	0.01	
Pendimethalin		0.01
Pentachloroaniline		0.01
Pentachloroanisole		0.01
Permethrin		0.01
Phenthoate		0.01
Phorate		0.01
Phorate-sulfone		0.01
Phosalone		0.01
Phosmet		0.01
Phosphamidon		0.02
Piperonyl butoxide		0.01
Pirimicarb	0.02	
Pirimicarb, Desmethyl-	0.01	
Pirimiphos-ethyl		0.01
Pirimiphos-methyl		0.01
Prochloraz	0.01	
Procymidone		0.01
Profenofos		0.01
Profluralin		0.01
Propamocarb	0.01	
Propargite	0.01	
Propetamphos		0.01
Propiconazole	0.01	
Propoxur	0.01	
Propyzamide	0.01	
Prothiophos		0.01
Pymetrozine	0.01	
Pyraclostrobin	0.01	
Pyrazophos		0.01
Pyridaben	0.01	
Pyridaphenthion	0.01	
Pyrifenox	0.01	
Pyrimethanil	0.01	
Pyriproxyfen	0.01	
Quinalphos		0.01
Quinoxifen	0.01	

<b>Pesticide (Agent), continued</b>	<b>LC-MS/MS LOQ [mg/kg]</b>	<b>GC-MS/MS LOQ [mg/kg]</b>
Quintozene		0.01
Rotenone	0.01	
S 421 (octachlorodipropyl ether)		0.01
Spinosad	0.01	
Spirodiclofen	0.01	
Spiromesifen	0.01	0.01
Spiroxamine	0.01	
Sulfotep		0.01
Sulprofos		0.01
Tebuconazole	0.01	
Tebufenozide	0.01	
Tebufenpyrad	0.01	
Tecnazene		0.01
Teflubenzuron	0.01	
Tefluthrin		0.01
Terbufos		0.01
Terbutylazine	0.01	
Tetrachlorvinphos		0.01
Tetraconazole	0.01	
Tetramethrin		0.01
Tetradifon		0.01
Tetrasul		0.01
Thiabendazole	0.01	
Thiacloprid	0.01	
Thiametoxam	0.01	
Thiodicarb	0.01	
Thionazin		0.01
Thiophanate-methyl	0.01	
Tolclofos-methyl		0.01
Tolyfluanid		0.01
Triadimefon	0.01	
Triadimenol	0.01	
Triallate		0.01
Triazophos		0.01
Trichlorfon	0.01	
Trichloronat		0.01
Trifloxystrobin	0.01	
Triflumizole	0.01	
Trifluralin		0.01
Triforine	0.01	
Vinclozolin		0.01