Table S1. MRM conditions for the second 83 pesticides in the analysis of GC-MS/MS

pesticides	RT (min)	Precursor > product ion (CE, eV)			
		Quantifier ion		Qualifier ion	
Difenoconazole-1	16.297	323.00>265.00	18	265.00>202.10	18
Difenoconazole-2	16.297	323.00>265.00	18	265.00>202.10	18
Dimethoate	7.665	229.00>87.10	12	87.00>72.00	24
Dimethylvinphos(E)	8.908	295.00>109.10	30	297.00>109.00	15
Dimethylvinphos(Z)	9.086	295.00>109.10	24	297.00>109.10	24
Diphenylamine	7.172	169.00>167.10	27	168.00>166.20	30
Disulfoton	8.064	142.00>109.00	6	186.00>153.10	6
Endosulfan alpha	10.175	241.00>205.90	15	339.00>160.00	21
Endosulfan beta	11.064	339.00>160.00	18	339.00>267.00	9
Endosulfan sulfate	11.663	272.00>236.80	18	272.00>234.70	15
Endrin	10.885	263.00>192.90	30	279.00>206.90	27
EPN	12.495	169.00>77.10	24	157.00>110.00	15
Epoxiconazole	12.157	192.00>138.00	15	192.00>111.00	27
Ethalfluralin	7.205	276.00>202.00	15	316.00>276.00	12
Ethion	11.072	231.00>128.90	27	231.00>174.90	12
Etridiazole	6.318	211.00>182.90	12	183.00>139.90	15
Fenclorim	7.548	224.00>189.00	15	189.00>104.10	15
Fenitrothion	8.863	277.00>260.00	6	260.00>125.00	15
Fenothiocarb	10.071	160.00>72.10	15	160.00>55.10	18
Fenoxanil	10.822	189.00>125.00	15	293.00>155.10	24
Fenpropathrin	12.621	265.00>210.10	15	181.00>127.10	27
Fenthion	9.108	278.00>109.00	21	278.00>169.00	18
Fenvalerate-1	15.792	167.00>125.10	9	225.00>119.10	18
Fenvalerate-2	15.992	167.00>125.10	9	225.00>119.10	18
Fipronil	9.597	367.00>213.00	30	369.00>214.90	30
Flucythrinate-1	15.103	199.00>107.10	27	225.00>147.10	12
Flucythrinate-2	15.445	199.00>107.10	27	225.00>147.10	12
Flumioxazin	15.797	354.00>176.10	24	354.00>108.10	21
Fluopyram	9.641	173.00>145.10	18	223.00>196.00	18
Fonofos	7.945	246.00>137.00	6	246.00>109.00	18
Fthalide	9.384	243.00>214.80	21	272.00>242.90	12
Halfenprox	14.988	265.00>117.10	15	265.00>115.10	24
Heptachlor	8.695	272.00>236.80	18	272.00>234.80	18
Heptachlor epoxide	9.655	353.00>262.80	18	353.00>281.90	15
Imibenconazole	17.434	375.00>260.00	21	375.00>305.90	12
Indanofan	12.73	310.00>139.10	6	310.00>171.10	12
Indoxacarb	16.387	218.00>203.00	12	264.00>176.10	15
Iprodione	12.37	314.00>244.90	15	316.00>56.10	21
Isazofos	8.062	257.00>162.10	9	257.00>119.00	21
Isofenphos	9.59	213.00>121.10	15	185.00>121.10	15
Mecarbam	9.639	329.00>131.10	18	296.00>196.10	9
Methidathion	9.935	145.00>85.00	9	145.00>58.00	15
Metolachlor	9.04	238.00>162.20	15	238.00>133.10	27
Metribuzin	8.507	198.00>82.10	18	198.00>110.10	12
Oxyfluorfen	10.53	252.00>146.10	30	252.00>170.10	30
Parathion	9.159	291.00>109.00	15	291.00>81.00	27
Parathion-methyl	8.573	263.00>109.00	15	263.00>246.00	6
Pendimethalin	9.493	252.00>162.10	12	252.00>191.10	9
Penthiopyrad	11.04	302.00>177.10	21	177.00>101.00	15
Permethrin-1	14.103	183.00>153.10	15	183.00>165.10	12
Permethrin-2	14.229	183.00>153.10	15	183.00>165.10	12
Phenothrin	12.963	123.00>81.10	9	123.00>79.10	18

Phorate	7.46	260.00>75.10	15	231.00>129.00	24
Phosalone	13.068	182.00>75.10	30	182.00>102.10	18
Picoxystrobin	10.088	335.00>173.10	12	303.00>157.10	24
Piperonyl butoxide	12.02	176.00>131.10	15	176.00>117.10	21
Pirimiphos ethyl	9.296	318.00>166.20	15	333.00>180.10	9
Pretilachlor	10.342	262.00>202.10	12	238.00>146.10	12
Prochloraz	14.327	180.00>138.10	12	308.00>70.10	15
Procymidone	9.785	283.00>96.10	12	285.00>96.10	12
Promecarb	7.439	150.00>135.10	12	135.00>115.10	15
Prometryn	8.689	241.00>58.10	15	226.00>184.10	9
Propachlor	7.064	176.00>57.10	9	176.00>120.00	12
Propazine	7.791	214.00>172.10	9	229.00>58.10	9
Propiconazole-1	11.576	259.00>69.10	15	259.00>173.00	18
Propiconazole-2	11.672	259.00>69.10	15	259.00>173.00	18
Propisochlor	8.617	162.00>120.10	18	162.00>147.10	18
Propyzamide	7.944	173.00>109.00	27	254.00>191.10	18
Prothiofos	10.327	267.00>238.90	12	309.00>239.00	18
Pyridalyl	15.286	204.00>148.10	21	204.00>146.10	27
Quintozene	7.843	295.00>236.80	18	237.00>142.90	24
Silafluofen	15.374	286.00>258.10	12	286.00>207.10	15
Simazine	7.733	201.00>173.10	6	173.00>138.20	9
Simeconazole	8.583	211.00>195.10	6	211.00>121.10	15
Simetryn	8.632	213.00>185.10	9	213.00>170.10	9
Spiromesifen	12.184	272.00>254.10	9	272.00>185.10	24
Tebupirimfos	8.179	318.00>152.20	15	276.00>234.00	6
Tefluthrin	8.047	177.00>127.00	18	197.00>141.10	15
Terbufos	7.878	231.00>129.00	24	231.00>174.90	15
Terbutryn	8.852	241.00>185.10	6	226.00>96.10	18
Tetradifon	12.969	356.00>159.00	15	356.00>228.90	9
Thifluzamide	10.49	447.00>426.80	18	447.00>399.80	27
Tolclofos-methyl	8.58	265.00>249.90	12	265.00>93.10	24
Triadimenol	9.787	128.00>65.10	21	168.00>70.10	15
Tri-allate	8.148	268.00>184.00	21	270.00>186.00	21
Trifluralin	7.273	306.00>264.00	9	264.00>160.10	15
Vinclozolin	8.531	212.00>172.00	15	285.00>212.10	15
Zoxamide	12.192	258.00>187.00	12	187.00>123.00	24

Table S2. MRM conditions for 179 pesticides in the analysis of LC-MS/MS

pesticide	RT (min)	Ionization	Precursor ion > Product ion (CE, eV)							
			Quantifier ion				Qualifier ion			
Demeton-S-methyl	5.641	$M+H^+$	230.9	>	89.1	-9	230.9	>	61.2	-30
Diazinon	9.088	$M+H^+$	305.1	>	169.1	-20	305.1	>	153.1	-20
Dichlorvos(DDVP)	5.411	$M+H^+$	221.0	>	220.8	-7	221.0	>	108.9	-17
Diethofencarb	6.965	$M+H^+$	268.2	>	226.2	-10	268.2	>	180.2	-18
Diflubenzuron	8.203	$M+H^+$	311	>	141.1	-33	311	>	158.15	-14
Dimepiperate	10.046	$M+H^+$	264.1	>	146.15	-11	264.1	>	119.1	-19
Dimethametryn	8.448	$M+H^+$	256.2	>	185.85	-24	256.2	>	96.25	-30
Dimethenamid	7.380	$M+H^+$	276.1	>	244.15	-13	276.1	>	168.1	-23
Dimethomorph(E)	7.140	$M+H^+$	388.1	>	301.15	-21	388.1	>	165.15	-31
Dimethomorph(Z)	7.470	$M+H^+$	388.1	>	301.15	-21	388.1	>	165.15	-31
Diniconazole	9.627	$M+H^+$	326	>	70.1	-25	326	>	158.9	-30
Dinotefuran	4.141	$M+H^+$	203	>	129.1	-13	203	>	114.1	-14
Diphenamid	6.635	$M+H^+$	240.1	>	134.15	-21	240.1	>	165.1	-45
Dithiopyr	9.922	$M+H^+$	402	>	354.15	-18	402	>	272.1	-29
Diuron	6.387	$M+H^+$	233	>	72.1	-23	233	>	160	-26
Edifenphos	8.974	$M+H^+$	311	>	109.05	-30	311	>	111.1	-22
Esprocarb	10.670	$M+H^+$	266.2	>	91.2	-22	266.2	>	65.2	-55
Ethaboxam	5.844	$M+H^+$	321.1	>	183.1	-23	321.1	>	200.1	-25
Ethiofencarb	5.900	$M+H^+$	226	>	107.1	-16	226	>	164.1	-9
Ethoprophos	8.311	$M+H^+$	243.1	>	97	-30	243.1	>	131.05	-19
Ethoxysulfuron	7.499	$M+H^+$	399	>	261.15	-16	399	>	218.1	-25
Etofenprox	13.391	$M+NH_4^+$	394.1	>	177.1	-17	394.1	>	134.9	-25
Etoxazole	11.545	$M+H^+$	360	>	140.9	-29	360	>	-63	-55
Etrimfos	8.892	$M+H^+$	293	>	265.05	-17	293	>	125.1	-25
Famoxadone	8.946	$M+NH_4^+$	392.4	>	330.95	-12	392.4	>	195.2	-30
Fenamiphos	8.449	$M+H^+$	304	>	217.1	-23	304	>	202.05	-35
Fenarimol	8.192	$M+H^+$	331	>	268.15	-22	331	>	81.2	-29
Fenazaquin	12.891	$M+H^+$	307.1	>	161.25	-16	307.1	>	147.15	-18
Fenbuconazole	8.213	$M+H^+$	337	>	125.1	-32	337	>	70.2	-18
Fenhexamid	7.951	$M+H^+$	301.9	>	55.1	-41	301.9	>	97.1	-24
Fenobucarb	6.970	$M+H^+$	208	>	95.1	-14	208	>	151.9	-10
Fenoxaprop-ethyl	10.293	$M+H^+$	361.9	>	287.9	-19	361.9	>	120.9	-27
Fenoxycarb	8.439	$M+H^+$	302	>	115.9	-12	302	>	255.9	-13
Fenpyroximate	11.984	$M+H^+$	422	>	365.9	-16	422	>	134.9	-32
Fentrazamide	8.974	$M+H^+$	350.1	>	83.2	-23	350.1	>	154.2	-11
Ferimzone(E)	6.638	$M+H^+$	255.1	>	132.2	-21	255.1	>	124.2	-22
Ferimzone(Z)	7.125	$M+H^+$	255.1	>	132.2	-21	255.1	>	124.2	-22
Flonicamid	4.329	$M+H^+$	230	>	203.05	-15	230	>	148.1	-27
Fluacrypyrim	9.706	$M+H^+$	427.1	>	145.1	-22	427.1	>	205.1	-10
Flubendiamide	8.442	$M+H^+$	682.8	>	407.9	-12	682.8	>	255.9	-55
		$(M-H)^-$	680.9	>	254.05	27	680.9	>	274	17
Flucetosulfuron	6.699	$M+H^+$	488	>	156.15	-21	488	>	273.1	-26
Fludioxonil	7.093	$M+NH_4^+$	265.9	>	228.9	-15	265.9	>	157.9	-32
Flufenacet	7.935	$M+H^+$	364.1	>	152.1	-18	364.1	>	194.15	-11
Flufenoxuron	11.253	$M+H^+$	489	>	158.1	-22	489	>	141.1	-47
Fluopicolide	7.456	$M+H^+$	382.8	>	173	-22	382.8	>	109.05	-55
Fluquinconazole	7.858	$M+H^+$	375.9	>	307	-27	375.9	>	108.15	-50
Flusilazole	8.409	$M+H^+$	316.1	>	247.1	-18	316.1	>	165.1	-27
Flutolanil	7.260	$M+H^+$	324	>	242.1	-24	324	>	262.1	-17
Fluxapyroxad	7.276	$M+H^+$	382	>	362.1	-15	382	>	342.1	-23
Forchlorfenuron	6.294	$M+H^+$	248.1	>	129.05	-15	248.1	>	155	-14
Fosthiazate	5.946	$M+H^+$	284.1	>	104.15	-20	284.1	>	228	-10
Furathiocarb	10.604	$M+H^+$	383.2	>	195.1	-19	383.2	>	252.15	-13

Gibberellic acid	-4.532	$M+NH_4^+$	364.2	>	364.2	-7	364.2	>	239.05	-17
		M-H+	345.0	>	345.2	8	345.0	>	143.3	30
Halosulfuron-methyl	7.769	$M+H^+$	434.9	>	182.05	-23	434.9	>	139.15	-43
Haloxyfop	8.571	$M+H^+$	362.1	>	316.1	-30	362.1	>	91.25	-14
Hexaconazole	9.235	$M+H^+$	314	>	70.15	-23	314	>	159	-31
Hexaflumuron	9.751	$(M-H)^-$	458.7	>	438.95	13	458.7	>	174.75	34
Hexazinone	5.661	$M+H^+$	253	>	170.8	-18	253	>	71.2	-32
Hexythiazox	11.104	$M+H^+$	353.1	>	227.9	-15	353.1	>	168.15	-24
Imazalil	6.086	$M+H^+$	296.9	>	159.1	-24	296.9	>	69.15	-19
Imazosulfuron	7.240	$M+H^+$	412.9	>	153.15	-13	412.9	>	156.1	-22
Imicyafos	5.169	$M+H^+$	305.1	>	201.15	-22	305.1	>	235.05	-17
Imidacloprid	4.488	$M+H^+$	256	>	209.15	-18	256	>	175.2	-10
Inabenfide	7.056	$M+H^+$	339.1	>	321.1	-20	339.1	>	80.2	-30
Iprobenfos	8.775	$M+H^+$	289	>	91.2	-30	289	>	205.05	-10
Iprovalicarb	7.905	$M+H^+$	321.2	>	119.15	-21	321.2	>	203.2	-9
Isoprocarb	6.201	$M+H^+$	194.1	>	95.15	-16	194.1	>	137.2	-11
Isoprothiolane	7.474	$M+H^+$	290.9	>	189.1	-21	290.9	>	231.1	-11
Isopyrazam	9.747	$M+H^+$	360	>	244.15	-23	360	>	320.2	-21
Kresoxim-methyl	8.693	$M+H^+$	314	>	115.9	-23	314	>	131.1	-25
Linuron	6.979	$M+H^+$	249	>	160	-17	249	>	182.15	-16
Lufenuron	10.696	$M+H^+$	510.7	>	158	-22	510.7	>	140.9	-44
Malathion	7.370	$M+H^+$	330.9	>	126.8	-12	330.9	>	-99	-23
Mandipropamid	7.137	$M+H^+$	411.9	>	328.25	-15	411.9	>	125.1	-35
Mefenacet	7.805	$M+H^+$	299	>	148.2	-13	299	>	120.15	-24
Mepanipyrim	7.940	$M+H^+$	224.1	>	77.2	-38	224.1	>	106.2	-25
Mepronil	7.502	$M+H^+$	270.1	>	91.2	-42	270.1	>	119.1	-24
Metalaxyl	6.459	$M+H^+$	280.1	>	220.2	-14	280.1	>	160.1	-23
Metamifop	10.429	$M+H^+$	441	>	288.1	-20	441	>	180.2	-21
Metazosulfuron	6.896	$M+H^+$	475.9	>	182.15	-20	475.9	>	295.1	-17
Metconazole	9.269	$M+H^+$	320.1	>	70.1	-23	320.1	>	125.15	-39
Methabenzthiazuron	6.349	$M+H^+$	222.1	>	165.15	-16	222.1	>	150.1	-32
Methiocarb	7.147	$M+H^+$	226.1	>	121.1	-17	226.1	>	169.2	-10
Methomyl	4.341	$M+H^+$	162.9	>	88.15	-10	162.9	>	106.15	-11
Methoxyfenozide	7.545	$M+H^+$	369.2	>	149.1	-18	369.2	>	133.2	-23
Metobromuron	6.125	$M+H^+$	258.9	>	169.7	-19	258.9	>	148.1	-16
Metolcarb	5.271	$M+H^+$	166.2	>	109.15	-12	166.2	>	94.2	-30
Metrafenone	9.443	$M+H^+$	408.9	>	209.15	-15	408.9	>	227.05	-21
Mevinphos	4.636	$M+H^+$	225	>	127.15	-16	225	>	193.1	-9
MilbemectinA3	12.770	M+H+-H2O	511.1	>	95	-31	511.1	>	105	-54
MilbemectinA4	13.514	M+H+-H2O	525.1	>	55.1	-54	525.1	>	91.1	-54
Molinate	7.950	$M+H^+$	188.1	>	55.15	-24	188.1	>	126.2	-14
Monocrotophos	4.636	$M+H^+$	224.2	>	127.15	-15	224.2	>	109.15	-29
Myclobutanil	7.576	$M+H^+$	289.1	>	70.1	-18	289.1	>	125.15	-31
Napropamide	8.232	$M+H^+$	272.1	>	171.15	-18	272.1	>	129.25	-15
Nicosulfuron	5.268	$M+H^+$	411	>	182.15	-21	411	>	106.15	-33
Novaluron	9.896	$M+H^+$	492.8	>	158	-22	492.8	>	141.1	-43
Nuarimol	7.179	$M+H^+$	315	>	252.1	-23	315	>	81.2	-28
Ofurace	5.491	$M+H^+$	282	>	254.2	-12	282	>	160.15	-23
Omethoate	4.085	$M+H^+$	213.9	>	125	-21	213.9	>	109.05	-25
Oxadiazon	10.791	$M+H^+$	344.9	>	177.05	-28	344.9	>	303.05	-14
Oxadixyl	5.106	$M+H^+$	279.1	>	219.2	-11	279.1	>	133.2	-21
Oxamyl	4.217	$M+H^+$	237.2	>	72.2	-23	237.2	>	90.15	-8

Oxaziclomefon	10.381	$M+H^+$	376	>	190.15	-15	376	>	133.1	-34
Paclobutrazole	7.366	$M+H^+$	294.1	>	70.1	-25	294.1	>	125.15	-37
Penconazole	8.896	$M+H^+$	284	>	70	-16	284	>	159.1	-29
Pencycuron	9.564	$M+H^+$	329.1	>	125.1	-25	329.1	>	99.05	-55
Penoxsulam	5.540	$M+H^+$	484	>	195.15	-28	484	>	164.1	-35
Pentoxazone	10.304	$M+H^+$	284.0	>	70.0	-16	284.0	>	159.1	-32
Phenthoate	8.515	$M+H^+$	321	>	79.2	-38	321	>	135.1	-21
Phosphamidone	5.217	$M+H^+$	300	>	174.2	-13	300	>	127.15	-22
Phoxim	9.152	$M+H^+$	299	>	77.1	-29	299	>	129.2	-11
Piperophos	9.940	$M+H^+$	354.1	>	171	-22	354.1	>	255.1	-14
Pirimicarb	5.773	$M+H^+$	239.1	>	72.2	-23	239.1	>	182.15	-16
Pirimiphos-methyl	9.350	$M+H^+$	306.1	>	108.2	-30	306.1	>	164.25	-22
Probenazole	5.196	$M+H^+$	224	>	41.2	-12	224	>	39.2	-30
Profenofos	10.422	$M+H^+$	372.9	>	302.9	-19	372.9	>	128.1	-42
Propamocarb	4.126	$M+H^+$	189.3	>	102.15	-17	189.3	>	74.2	-26
Propanil	7.053	$M+H^+$	217.8	>	127.1	-24	217.8	>	162.1	-16
Propaquizafop	10.697	$M+H^+$	444.1	>	100.15	-18	444.1	>	56.15	-29
Propoxur	5.478	$M+H^+$	210.1	>	111.15	-14	210.1	>	93.1	-23
Pyraclofos	9.346	$M+H^+$	360.9	>	137.9	-38	360.9	>	110.9	-55
Pyraclostrobin	9.233	$M+H^+$	388	>	163.2	-24	388	>	194.2	-12
Pyrazolate	9.494	$M+H^+$	438.9	>	91.2	-35	438.9	>	172.95	-20
Pyrazophos	9.469	$M+H^+$	374	>	222.1	-21	374	>	194.1	-32
Pyribenzoxim	10.726	$M+H^+$	610.1	>	413.1	-14	610.1	>	180.2	-26
Pyributicarb	10.951	$M+H^+$	331.1	>	181.1	-16	331.1	>	108.2	-29
Pyridaben	12.479	$M+H^+$	365.1	>	147.25	-24	365.1	>	309.15	-14
Pyridaphenthion	7.692	$M+H^+$	340.9	>	189	-22	340.9	>	204.9	-22
Pyrifluquinazon	7.734	$M+H^+$	465.1	>	423.2	-21	465.1	>	107.2	-31
Pyriftalid	6.849	$M+H^+$	318.9	>	139	-31	318.9	>	83	-44
Pyrimethanil	7.084	$M+H^+$	200.1	>	107.15	-24	200.1	>	82.2	-25
Pyrimidifen	11.105	$M+H^+$	378.1	>	184.1	-24	378.1	>	150.2	-35
Pyriminobac -methyl(E)	6.810	$M+H^+$	362.1	>	330.15	-15	362.1	>	284.1	-30
Pyriminobac -methyl(Z)	7.343	$M+H^+$	361.9	>	329.9	-14	361.9	>	-74.9	-55
Pyrimisulfan	6.337	$M+H^+$	420.1	>	370.1	-19	420.1	>	388.15	-13
Pyriproxyfen	10.875	$M+H^+$	322.1	>	96.1	-14	322.1	>	185.1	-23
Pyroquilon	5.764	$M+H^+$	174.1	>	117.15	-32	174.1	>	132.15	-22
Quinalphos	8.682	$M+H^+$	298.9	>	96.9	-33	298.9	>	162.9	-21
Quinmerac	4.818	$M+H^+$	222	>	204.05	-15	222	>	141.1	-31
Quinoclamine	5.365	$M+H^+$	207.9	>	104.9	-24	207.9	>	77.1	-36
Quizalofop-ethyl	10.396	$M+H^+$	372.9	>	299	-18	372.9	>	162.9	-38
Saflufenacil	6.630	$M+H^+$	501	>	198	-44	501	>	349	-28
Sethoxydim	10.697	$M+H^+$	328.1	>	178.15	-20	328.1	>	282.15	-11
Spinetoram(J)	10.465	$M+H^+$	748.3	>	142.25	-29	748.3	>	98.2	-55
Spinetoram(L)	11.013	$M+H^+$	760.3	>	142.15	-30	760.3	>	98.2	-55
Spirodiclofen	11.948	$M+H^+$	411.1	>	313.05	-14	411.1	>	71.05	-22
Spirotetramat	8.039	$M+H^+$	374	>	216	-34	374	>	302.1	-17
Spirotetramat-enol	5.945	$M+H^+$	302.2	>	216.1	0	302.2	>	270.2	0
Sulfoxaflor	4.664	$M+H^+$	278	>	174.15	-10	278	>	154.05	-26
Tebuconazole	8.856	$M+H^+$	308.1	>	70.15	-24	308.1	>	125.15	-36
Tebufenozide	8.548	$M+H^+$	353.2	>	133.2	-21	353.2	>	105.15	-40
Tebufenpyrad	10.679	$M+H^+$	334.1	>	117.1	-36	334.1	>	145.1	-27
Teflubenzuron	10.554	$M+H^+$	380.9	>	158.1	-17	380.9	>	141.15	-34
Terbuthylazine	7.351	$M+H^+$	230.1	>	174.15	-16	230.1	>	104.05	-16
Tetraconazole	7.899	$M+H^+$	372	>	159.05	-30	372	>	70.1	-30

Thenylchlor	8.153	$M+H^+$	324	>	127.15	-12	324	>	97.1	-12
Thiabendazole	4.711	$M+H^+$	201.9	>	175.1	-24	201.9	>	131.15	-24
Thiacloprid	4.780	$M+H^+$	252.9	>	126	-23	252.9	>	185.9	-23
Thiamethoxam	4.331	$M+H^+$	292	>	211.1	-12	292	>	181.05	-12
Thiazopyr	8.703	$M+H^+$	397	>	377.2	-23	397	>	335.15	-23
Thidiazuron	5.404	$M+H^+$	221	>	102.05	-14	221	>	128.1	-14
Thifensulfuron -methyl	5.193	$M+H^+$	387.9	>	167.15	-16	387.9	>	205.05	-16
Thiobencarb	9.499	$M+H^+$	258	>	125.15	-22	258	>	89.1	-22
Thiodicarb	5.805	$M+H^+$	355	>	88.1	-22	355	>	108.05	-22
Tiadinil	7.697 7.701	$MCl_{35}+H^+$	267.9	>	101.1	-19	269.8	>	101	-20
		$(M-H)^-$	265.9	>	70.85	21	265.9	>	237.9	12
Triadimefon	7.681	$M+H^+$	294.1	>	197.15	-15	294.1	>	225.15	-12
Triazophos	7.679	$M+H^+$	314	>	162.1	-19	314	>	119.1	-33
Tricyclazole	5.163	$M+H^+$	190	>	163.1	-23	190	>	136.1	-26
Trifloxystrobin	9.814	$M+H^+$	409.1	>	186.05	-21	409.1	>	206.2	-15
Triflumizole	10.083	$M+H^+$	346.1	>	278.1	-10	346.1	>	73.1	-16
Triflumuron	9.107	$M+H^+$	359	>	156.05	-15	359	>	139.05	-29
Uniconazole	8.364	$M+H^+$	292.1	>	70.1	-25	292.1	>	125.15	-31
Vamidothion	4.592	$M+H^+$	288	>	146.15	-12	288	>	118.15	-22

Table S3. LOD, LOQ and linearity of the second 83 pesticides using GC-MS/MS.

No	Pesticides	Limit of detection (μg kg^{-1})	Limit of quantification (μg kg^{-1})	*Linearity* (r^2)
41	Difenoconazole	3	10	0.9984
42	Dimethoate	3	10	0.9952
43	Dimethylvinphos(E)	3	10	0.9999
44	Dimethylvinphos(Z)	3	10	0.9996
45	Diphenylamine	3	10	0.9972
46	Disulfoton	3	10	0.9988
47	Endosulfan sulfate	3	10	0.9994
48	Endosulfan-alpha	3	10	0.9973
49	Endosulfan-beta	3	10	0.9999
50	Endrin	3	10	0.9997
51	EPN	3	10	0.9994
52	Epoxiconazole	3	10	0.9999
53	Ethalfluralin	3	10	0.9966
54	Ethion	3	10	0.9997
55	Etridiazole	3	10	0.9982
56	Fenclorim	3	10	0.9981
57	Fenitrothion	3	10	0.9998
58	Fenothiocarb	3	10	0.9999
59	Fenoxanil	3	10	0.9998
60	Fenpropathrin	3	10	0.9998
61	Fenthion	3	10	0.9999
62	Fenvalerate	3	10	0.9996
63	Fipronil	3	10	0.9996
64	Flucythrinate	3	10	0.9993
65	Flumioxazine	3	10	0.9958
66	Fluopyram	3	10	0.9998
67	Fonofos	3	10	0.9987
68	Fthalide	3	10	0.9998
69	Halfenprox	3	10	0.9986
70	Heptachlor	3	10	0.9988
71	Heptachlor-exo-epoxide	3	10	0.9993
72	Imibenconazole	3	10	0.9985
73	Indanofan	3	10	0.9995
74	Indoxacarb	3	10	0.9999
75	Iprodione	3	10	0.9987
76	Isazofos	3	10	0.9996
77	Isofenphos	3	10	0.9993
78	Mecarbam	3	10	0.9995
79	Methidathion	3	10	0.9999
80	Metolachlor (S-Metolachlor)	3	10	0.9995
81	Metribuzin	3	10	0.9999
82	Oxyfluorfen	3	10	0.9995
83	Parathion-ethyl	3	10	0.9995
84	Parathion-methyl	3	10	0.9998
85	Pendimethalin	3	10	0.9998
86	Penthiopyrad	3	10	0.9997
87	Permethrin	3	10	0.9999
88	Phenothrin	3	10	0.9998
89	Phorate	3	10	0.9977
90	Phosalone	3	10	0.9999

91	Picoxystrobin	3	10	0.9999
92	Piperonyl bitoxide	3	10	0.9997
93	Pirimiphos-ethyl	3	10	0.9997
94	Pretilachlor	3	10	0.9996
95	Prochloraz	3	10	0.9989
96	Procymidone	3	10	0.9999
97	Promecarb	3	10	0.9994
98	Prometryn	3	10	0.9997
99	Propachlor	3	10	0.9985
100	Propazine	3	10	0.9998
101	Propiconazole	3	10	0.9993
102	Propisochlor	3	10	0.9994
103	Propyzamide	3	10	0.9996
104	Prothiofos	3	10	0.9999
105	Pyridalyl	3	10	0.9999
106	Quintozene	3	10	0.9996
107	Silafluofen	3	10	0.9996
108	Simazine	3	10	0.9977
109	Simeconazole	3	10	0.9999
110	Simetryn	3	10	0.9991
111	Spiromesifen	3	10	0.9999
112	Tebupirimfos	3	10	0.9975
113	Tefluthrin	3	10	0.9988
114	Terbufos	3	10	0.9991
115	Terbutryn	3	10	0.9998
116	Tetradifon	3	10	0.9998
117	Thifluzamide	3	10	0.9998
118	Tolclofos-methyl	3	10	0.9988
119	Triadimenol	3	10	0.9999
120	Tri-allate	3	10	0.9998
121	Trifluralin	3	10	0.9992
122	Vinclozolin	3	10	0.9999
123	Zoxamide	3	10	0.9998

Table S4. LOD, LOQ, and linearity for the 179 tested pesticides using LC-MS/MS

No	Pesticides	Limit of detection (μg kg^{-1})	Limit of quantification (μg kg^{-1})	Linearity (r^2)
41	Demeton-S-methyl	3	10	0.9929
42	Diazinon	3	10	0.9972
43	Dichlorvos(DDVP)	3	10	0.9978
44	Diethofencarb	3	10	0.9990
45	Diflubenzuron	3	10	0.9961
46	Dimepiperate	3	10	0.9978
47	Dimethametryn	3	10	0.9933
48	Dimethenamid	3	10	0.9920
49	Dimethomorph(E)	3	10	0.9987
50	Dimethomorph(Z)	3	10	0.9983
51	Diniconazole	3	10	0.9992
52	Dinotefuran	3	10	0.9958
53	Diphenamid	3	10	0.9913
54	Dithiopyr	3	10	0.9909
55	Diuron	3	10	0.9908
56	Edifenphos	3	10	0.9978
57	Esprocarb	3	10	0.9915
58	Ethaboxam	3	10	0.9969
59	Ethiofencarb	3	10	0.9953
60	Ethoprophos	3	10	0.9989
61	Ethoxysulfuron	3	10	0.9984
62	Etofenprox	3	10	0.9999
63	Etoxazole	3	10	0.9979
64	Etrimfos	3	10	0.9974
65	Famoxadone	3	10	0.9993
66	Fenamiphos	3	10	0.9925
67	Fenarimol	3	10	0.9991
68	Fenazaquin	3	10	0.9994
69	Fenbuconazole	3	10	0.9965
70	Fenhexamid	3	10	0.9978
71	Fenobucarb	3	10	0.9977
72	Fenoxaprop-ethyl	3	10	0.9956
73	Fenoxycarb	3	10	0.9994
74	Fenpyroximate	3	10	0.9996
75	Fentrazamide	3	10	0.9962
76	Ferimzone(E)	3	10	0.9996
77	Ferimzone(Z)	3	10	0.9993
78	Flonicamid	3	10	0.9991
79	Fluacrypyrim	3	10	0.9976
80	Flubendiamide(-)	3	10	0.9964
81	Flubendiamide	3	10	0.9961
82	Flucetosulfuron	3	10	0.9995
83	Fludioxonil	3	10	0.9927
84	Flufenacet	3	10	0.9913
85	Flufenoxuron	3	10	0.9984
86	Fluopicolide	3	10	0.9946
87	Fluquinconazole	3	10	0.9970
88	Flusilazole	3	10	0.9923
89	Flutolanil	3	10	0.9974
90	Fluxapyroxad	3	10	0.9965
91	Forchlorfenuron	3	10	0.9998

92	Fosthiazate	3	10	0.9933
93	Furathiocarb	3	10	0.9999
94	Gibberellic acid (+NH_4)	3	10	-
95	Gibberellic acid(-)	3	10	0.9926
96	Halosulfuron-methyl	3	10	0.9996
97	Haloxyfop	3	10	0.9978
98	Hexaconazole	3	10	0.9991
99	Hexaflumuron(-)	3	10	0.9912
100	Hexaflumuron	3	10	0.9912
101	Hexazinone	3	10	0.9929
102	Hexythiazox	3	10	0.9997
103	Imazalil	3	10	0.9967
104	Imazosulfuron	3	10	0.9994
105	Imicyafos	3	10	0.9900
106	Imidacloprid	3	10	0.9999
107	Inabenfide	3	10	0.9974
108	Iprobenfos	3	10	0.9994
109	Iprovalicarb	3	10	0.9967
110	Isoprocarb	3	10	0.9998
111	Isoprothiolane	3	10	0.9911
112	Isopyrazam	3	10	0.9952
113	Kresoxim-methyl	3	10	0.9900
114	Linuron	3	10	0.9933
115	Lufenuron	3	10	0.9976
116	Lufenuron(-)	3	10	0.9918
117	Malathion	3	10	0.9965
118	Mandipropamid	3	10	0.9917
119	Mefenacet	3	10	0.9980
120	Mepanipyrim	3	10	0.9926
121	Mepronil	3	10	0.9913
122	Metalaxyl	3	10	0.9935
123	Metamifop	3	10	0.9976
124	Metazosulfuron	3	10	0.9976
125	Metconazole	3	10	0.9999
126	Methabenzthiazuron	3	10	0.9986
127	Methiocarb	3	10	0.9906
128	Methomyl	3	10	0.9942
129	Methoxyfenozide	3	10	0.9910
130	Metobromuron	3	10	0.9955
131	Metolcarb	3	10	0.9999
132	Metrafenone	3	10	0.9969
133	Mevinphos	3	10	0.9976
134	Milbemectin A3	3	10	0.9996
135	Milbemectin A4	3	10	0.9989
136	Molinate	3	10	0.9988
137	Monocrotophos	3	10	0.9906
138	Myclobutanil	3	10	0.9985
139	Napropamide	3	10	0.9990
140	Nicosulfuron	3	10	0.9992
141	Novaluron	3	10	0.9990
142	Nuarimol	3	10	0.9993
143	Ofurace	3	10	0.9946
144	Omethoate	3	10	0.9973
145	Oxadiazon	3	10	0.9962
146	Oxadixyl	3	10	0.9969

147	Oxamyl	3	10	0.9976
148	Oxaziclomefon	3	10	0.9917
149	Paclobutrazole	3	10	0.9963
150	Penconazole	3	10	0.9959
151	Pencycuron	3	10	0.9923
152	Penoxsulam	3	10	0.9990
153	Pentoxazone	3	10	0.9916
154	Phenthoate	3	10	0.9926
155	Phosphamidone	3	10	0.9998
156	Phoxim	3	10	0.9909
157	Piperophos	3	10	0.9907
158	Pirimicarb	3	10	0.9946
159	Pirimiphos-methyl	3	10	0.9968
160	Probenazole	3	10	0.9907
161	Profenofos	3	10	0.9942
162	Propamocarb	3	10	0.9984
163	Propanil	3	10	0.9925
164	Propaquizafop	3	10	0.9903
165	Propoxur	3	10	0.9944
166	Pyraclofos	3	10	0.9965
167	Pyraclostrobin	3	10	0.9980
168	Pyrazolate	3	10	0.9950
169	Pyrazophos	3	10	0.9994
170	Pyribenzoxim	3	10	0.9930
171	Pyributicarb	3	10	0.9958
172	Pyridaben	3	10	0.9980
173	Pyridaphenthion	3	10	0.9912
174	Pyrifluquinazon	3	10	0.9919
175	Pyriftalid	3	10	0.9929
176	Pyrimethanil	3	10	0.9998
177	Pyrimidifen	3	10	0.9922
178	(E)-Pyriminobac-methyl	3	10	0.9901
179	(Z)-Pyriminobac-methyl	3	10	0.9998
180	Pyrimisulfan	3	10	0.9994
181	Pyriproxyfen	3	10	0.9908
182	Pyroquilon	3	10	0.9905
183	Quinalphos	3	10	0.9952
184	Quinmerac	3	10	0.9902
185	Quinoclamine	3	10	0.9984
186	Quizalofop-ethyl	3	10	0.9966
187	Saflufenacil	3	10	0.9974
188	Sethoxydim	3	10	0.9910
189	Spinetoram(J)	3	10	0.9999
190	Spinetoram(L)	3	10	0.9998
191	Spirodiclofen	3	10	0.9996
192	Spirotetramat	3	10	0.9983
193	Spirotetramat-enol	3	10	0.9943
194	Sulfoxaflor	3	10	0.9930
195	Tebuconazole	3	10	0.9996
196	Tebufenozide	3	10	0.9991
197	Tebufenpyrad	3	10	0.9908
198	Teflubenzuron	3	10	0.9982
199	Terbuthylazine	3	10	0.9903
200	Tetraconazole	3	10	0.9983
201	Thenylchlor	3	10	0.9985

202	Thiabendazole	3	10	0.9948
203	Thiacloprid	3	10	0.9962
204	Thiamethoxam	3	10	0.9915
205	Thiazopyr	3	10	0.9921
206	Thidiazuron	3	10	0.9998
207	Thifensulfuron-methyl	3	10	0.9973
208	Thiobencarb	3	10	0.9914
209	Thiodicarb	3	10	0.9935
210	Tiadinil(-)	3	10	0.9969
211	Tiadinil	3	10	0.9942
212	Triadimefon	3	10	0.9943
213	Triazophos	3	10	0.9911
214	Tricyclazole	3	10	0.9909
215	Trifloxystrobin	3	10	0.9924
216	Triflumizole	3	10	0.9983
217	Triflumuron	3	10	0.9931
218	Uniconazole	3	10	0.9986
219	Vamidothion	3	10	0.9902

Table S5. Recoveries of the first 83 pesticides in the untreated soil using GC-MS/MS (n=3).

No	Pesticides	soil			
		Low (10ppb)		High (50 ppb)	
		Rec.	RSD	Rec.	RSD
41	Difenoconazole	111.11	12.4	96.05	5.8
42	Dimethoate	108.23	4.7	91.44	3.7
43	Dimethylvinphos(E)	104.94	1.2	95.64	4.1
44	Dimethylvinphos(Z)	102.88	0.7	96.54	2.9
45	Diphenylamine	85.19	8.8	101.24	5.9
46	Disulfoton	92.59	7.4	93.17	5.8
47	Endosulfan sulfate	102.88	6.8	99.34	2.9
48	Endosulfan-alpha	96.30	4.6	102.14	4.6
49	Endosulfan-beta	102.47	2.4	94.82	0.9
50	Endrin	107.00	6.6	96.63	2.0
51	EPN	109.05	9.5	91.69	0.9
52	Epoxiconazole	104.53	3.8	95.80	0.9
53	Ethalfluralin	94.65	7.2	97.94	3.6
54	Ethion	110.70	1.7	95.14	2.2
55	Etridiazole	95.47	5.4	95.47	12.4
56	Fenclorim	92.18	6.6	96.71	4.0
57	Fenitrothion	107.82	6.3	92.35	2.8
58	Fenothiocarb	102.06	1.8	97.20	0.5
59	Fenoxanil	103.29	3.8	95.31	6.5
60	Fenpropathrin	112.76	1.7	95.80	1.6
61	Fenthion	95.89	2.0	93.58	2.3
62	Fenvalerate	109.05	4.6	93.33	0.8
63	Fipronil	109.05	3.5	93.99	2.2
64	Flucythrinate	109.47	1.7	94.07	0.8
65	Flumioxazine	104.12	4.9	92.18	2.4
66	Fluopyram	105.76	3.6	96.96	1.7
67	Fonofos	94.24	5.3	96.46	3.3
68	Fthalide	107.41	4.1	97.45	0.8
69	Halfenprox	115.64	0.6	90.78	0.6
70	Heptachlor	99.59	3.1	97.53	2.6
71	Heptachlor-exo-epoxide	97.12	3.9	96.46	4.4
72	Imibenconazole	93.00	2.8	87.90	7.6
73	Indanofan	108.64	5.2	98.68	7.7
74	Indoxacarb	99.59	11.2	94.57	3.9
75	Iprodione	87.65	10.2	98.19	8.4
76	Isazofos	102.06	7.0	95.80	0.3
77	Isofenphos	99.18	3.6	99.34	1.4
78	Mecarbam	105.76	1.3	105.51	5.9
79	Methidathion	109.47	1.7	96.05	0.7
80	Metolachlor (S-Metolachlor)	100.00	6.2	97.12	2.6
81	Metribuzin	107.82	0.7	98.11	3.4
82	Oxyfluorfen	108.23	3.7	93.42	0.3
83	Parathion-ethyl	109.88	1.9	93.66	0.8
84	Parathion-methyl	109.05	5.8	93.17	3.1
85	Pendimethalin	105.35	6.5	94.65	1.7
86	Penthiopyrad	104.53	3.6	95.80	0.7
87	Permethrin	109.05	4.0	97.12	1.5
88	Phenothrin	108.64	11.5	102.88	6.7
89	Phorate	88.89	8.3	99.26	4.9
90	Phosalone	106.58	0.7	93.91	1.1

91	Picoxystrobin	101.65	2.8	97.37	3.8
92	Piperonyl bitoxide	107.41	3.0	93.91	0.6
93	Pirimiphos-ethyl	106.17	5.3	97.04	0.4
94	Pretilachlor	99.59	5.9	97.04	1.7
95	Prochloraz	115.64	6.9	92.35	6.5
96	Procymidone	100.00	3.3	94.98	0.8
97	Promecarb	96.30	5.6	98.19	2.8
98	Prometryn	102.47	2.4	96.3	1.5
99	Propachlor	95.47	7.4	99.59	2.7
100	Propazine	99.18	3.1	97.28	2.4
101	Propiconazole	99.59	2.6	96.54	0.8
102	Propisochlor	100.82	3.1	96.13	2.2
103	Propyzamide	100.82	3.5	97.86	2.2
104	Prothiofos	101.24	4.4	97.28	3.0
105	Pyridalyl	105.76	3.8	93.91	1.9
106	Quintozene	105.76	6.4	97.20	7.8
107	Silafluofen	101.24	5.3	94.57	0.9
108	Simazine	104.53	15.2	111.03	4.8
109	Simeconazole	103.29	4.5	96.13	1.2
110	Simetryn	108.64	12.3	91.93	4.4
111	Spiromesifen	107.0	1.8	95.14	0.3
112	Tebupirimfos	86.83	12.1	99.01	7.0
113	Tefluthrin	95.47	8.6	95.97	3.4
114	Terbufos	97.94	2.9	96.38	4.1
115	Terbutryn	97.53	3.3	95.64	2.1
116	Tetradifon	105.76	3.4	97.12	0.4
117	Thifluzamide	106.58	1.3	95.89	1.0
118	Tolclofos-methyl	93.00	4.3	100.33	3.2
119	Triadimenol	93.42	6.8	96.63	1.5
120	Tri-allate	104.94	7.2	97.20	3.0
121	Trifluralin	99.59	8.1	98.19	4.7
122	Vinclozolin	102.47	4.3	96.30	2.9
123	Zoxamide	108.6	3.9	94.90	3.9

Table S6. Recoveries of 179 pesticides in the untreated soil using LC-MS/MS (n=3).

No	Pesticides	soil			
		Low (10ppb)		High (50 ppb)	
		Rec.	RSD	Rec.	RSD
41	Demeton-S-methyl	76.8	4.5	95.2	3.0
42	Diazinon	84.2	2.6	85.1	3.9
43	Dichlorvos(DDVP)	100.4	7.6	104.7	2.7
44	Diethofencarb	82.2	1.6	84.8	5.5
45	Diflubenzuron	88.9	8.2	99.7	2.2
46	Dimepiperate	82.4	0.8	88.1	2.0
47	Dimethametryn	86.6	2.4	86.7	3.6
48	Dimethenamid	86.0	4.8	101.0	1.7
49	Dimethomorph(E)	93.9	0.6	83.9	2.5
50	Dimethomorph(Z)	83.1	3.1	89.1	3.9
51	Diniconazole	95.9	6.6	77.7	8.7
52	Dinotefuran	83.5	2.6	101.9	4.2
53	Diphenamid	97.8	9.5	100.5	4.9
54	Dithiopyr	87.1	5.1	102.1	5.1
55	Diuron	84.9	2.9	94.7	2.9
56	Edifenphos	79.2	2.2	87.5	2.2
57	Esprocarb	80.3	2.1	96.8	0.8
58	Ethaboxam	76.8	6.3	85.7	2.8
59	Ethiofencarb	80.2	2.0	81.7	2.7
60	Ethoprophos	75.5	3.4	89.5	4.6
61	Ethoxysulfuron	84.2	9.2	88.1	1.4
62	Etofenprox	81.3	2.0	78.4	1.3
63	Etoxazole	84.4	2.0	87.0	1.9
64	Etrimfos	85.0	2.8	87.5	1.7
65	Famoxadone	115.5	5.7	85.5	4.9
66	Fenamiphos	81.5	7.7	90.2	3.6
67	Fenarimol	108.0	9.6	81.7	2.4
68	Fenazaquin	82.8	1.5	85.0	1.0
69	Fenbuconazole	81.9	3.6	89.4	1.5
70	Fenhexamid	92.1	6.0	91.1	3.9
71	Fenobucarb	90.6	5.3	85.6	3.1
72	Fenoxaprop-ethyl	79.6	3.7	89.9	2.1
73	Fenoxycarb	90.8	9.0	92.7	5.7
74	Fenpyroximate	86.8	1.3	79.3	0.7
75	Fentrazamide	85.1	5.1	89.3	4.8
76	Ferimzone(E)	107.0	0.7	95.9	5.1
77	Ferimzone(Z)	79.1	3.2	78.7	3.8
78	Flonicamid	77.4	3.5	88.8	5.8
79	Fluacrypyrim	82.0	1.3	85.3	2.1
80	Flubendiamide(-)	89.1	9.1	107.3	5.8
81	Flubendiamide	97.4	7.0	81.1	12.3
82	Flucetosulfuron	82.5	8.3	82.6	10.9
83	Fludioxonil	115.3	3.7	104.8	8.8
84	Flufenacet	82.2	1.8	101.7	2.5
85	Flufenoxuron	91.1	2.1	77.6	1.4
86	Fluopicolide	86.2	6.1	107.0	1.1
87	Fluquinconazole	90.2	5.1	84.9	7.6
88	Flusilazole	106.0	6.0	86.3	6.0
89	Flutolanil	102.3	9.6	87.1	1.1
90	Fluxapyroxad	77.2	9.3	90.0	3.1
91	Forchlorfenuron	81.1	6.2	82.3	3.3
92	Fosthiazate	86.5	2.1	97.4	1.1

93	Furathiocarb	82.3	1.7	79.0	2.3
94	Gibberellic acid(+NH4)	-	-	-	-
95	Gibberellic acid(-)	97.3	2.6	115.9	2.4
96	Halosulfuron-methyl	85.6	0.6	92.4	4.2
97	Haloxyfop	96.9	15.8	104.7	9.3
98	Hexaconazole	92.6	3.7	85.1	2.6
99	Hexaflumuron(-)	103.2	9.6	108.7	3.2
100	Hexaflumuron	98.6	15.8	85.2	2.8
101	Hexazinone	82.3	4.6	91.7	0.2
102	Hexythiazox	86.5	3.7	83.2	0.8
103	Imazalil	94.6	10.4	87.9	1.5
104	Imazosulfuron	84.6	5.9	83.0	3.9
105	Imicyafos	103.2	2.3	93.7	3.1
106	Imidacloprid	90.8	3.1	95.0	11.6
107	Inabenfide	92.8	1.9	91.6	7.4
108	Iprobenfos	81.7	2.2	83.1	1.9
109	Iprovalicarb	83.5	2.4	87.3	0.7
110	Isoprocarb	84.3	3.1	82.8	3.5
111	Isoprothiolane	90.3	2.4	91.2	1.0
112	Isopyrazam	87.8	3.5	91.0	3.3
113	Kresoxim-methyl	82.8	5.5	89.3	3.6
114	Linuron	88.7	4.4	95.1	1.8
115	Lufenuron	87.3	5.9	100.4	4.0
116	Lufenuron(-)	93.4	9.1	104.6	0.8
117	Malathion	74.4	7.4	90.7	3.3
118	Mandipropamid	95.1	8.3	100.2	9.5
119	Mefenacet	83.6	6.1	88.4	2.2
120	Mepanipyrim	93.4	2.0	93.0	4.6
121	Mepronil	82.0	2.4	100.4	2.3
122	Metalaxyl	84.8	3.7	92.8	0.3
123	Metamifop	86.7	4.7	86.8	4.2
124	Metazosulfuron	114.5	5.1	83.8	2.6
125	Metconazole	86.2	2.5	81.5	1.3
126	Methabenzthiazuron	83.7	1.7	85.0	1.7
127	Methiocarb	82.1	0.8	96.7	2.3
128	Methomyl	85.5	5.0	95.7	1.0
129	Methoxyfenozide	75.6	6.8	94.0	0.5
130	Metobromuron	80.3	3.6	92.3	3.3
131	Metolcarb	90.7	3.7	83.9	3.7
132	Metrafenone	81.1	2.5	88.8	3.2
133	Mevinphos	86.1	4.5	86.4	3.9
134	Milbemectin A3	94.0	3.8	78.7	1.5
135	Milbemectin A4	85.9	2.2	86.5	3.6
136	Molinate	88.7	7.6	82.7	2.7
137	Monocrotophos	101.8	10.9	108.4	3.1
138	Myclobutanil	84.6	2.7	85.3	0.9
139	Napropamide	84.3	4.2	85.6	0.3
140	Nicosulfuron	87.8	3.2	80.2	1.6
141	Novaluron	88.5	1.4	78.3	3.1
142	Nuarimol	83.8	2.0	78.5	9.0
143	Ofurace	82.1	3.1	95.4	4.2
144	Omethoate	92.0	7.1	90.3	3.4
145	Oxadiazon	110.8	3.7	93.6	7.8
146	Oxadixyl	82.9	6.3	91.8	2.2
147	Oxamyl	82.7	3.8	86.3	0.8

148	Oxaziclomefon	80.3	3.0	88.9	1.3
149	Paclobutrazole	92.7	8.7	92.6	4.2
150	Penconazole	85.7	6.1	88.6	3.4
151	Pencycuron	79.2	0.9	86.5	1.7
152	Penoxsulam	84.5	2.9	84.8	2.8
153	Pentoxazone	76.2	5.7	71.4	9.1
154	Phenthoate	86.4	11.7	89.7	2.1
155	Phosphamidone	89.0	8.1	80.8	2.9
156	Phoxim	79.1	3.6	95.1	2.3
157	Piperophos	80.2	1.5	92.8	1.4
158	Pirimicarb	78.3	2.0	84.4	1.6
159	Pirimiphos-methyl	81.9	1.0	85.9	3.5
160	Probenazole	87.1	4.5	99.8	3.4
161	Profenofos	85.2	5.4	101.6	2.6
162	Propamocarb	83.9	4.7	89.8	12.0
163	Propanil	111.7	1.5	100.5	13.3
164	Propaquizafop	82.7	4.9	98.5	1.8
165	Propoxur	82.5	1.4	92.6	0.6
166	Pyraclofos	75.7	9.7	92.8	9.0
167	Pyraclostrobin	81.0	1.5	87.6	2.8
168	Pyrazolate	83.3	5.3	90.8	3.3
169	Pyrazophos	82.7	2.3	82.8	1.5
170	Pyribenzoxim	83.8	6.6	96.1	1.4
171	Pyributicarb	78.1	1.1	87.4	0.1
172	Pyridaben	82.3	1.1	80.9	0.4
173	Pyridaphenthion	82.9	3.7	106.4	4.9
174	Pyrifluquinazon	79.1	4.3	88.2	5.2
175	Pyriftalid	87.2	4.9	97.1	2.3
176	Pyrimethanil	82.6	4.0	82.4	1.2
177	Pyrimidifen	81.7	0.9	95.6	0.8
178	Pyriminobac-methyl(E)	93.9	3.8	87.4	2.0
179	Pyriminobac-methyl(Z)	86.3	2.5	84.5	2.9
180	Pyrimisulfan	85.9	3.8	84.0	1.5
181	Pyriproxyfen	79.1	1.4	90.4	1.0
182	Pyroquilon	87.8	4.0	99.6	0.9
183	Quinalphos	79.2	2.5	88.6	5.7
184	Quinmerac	81.1	2.6	94.1	0.9
185	Quinoclamine	94.5	3.8	101.4	4.5
186	Quizalofop-ethyl	80.1	3.6	88.6	2.4
187	Saflufenacil	94.3	9.6	81.5	1.8
188	Sethoxydim	72.8	2.0	96.1	4.5
189	Spinetoram(J)	90.6	10.4	87.8	2.4
190	Spinetoram(L)	75.6	6.0	102.4	2.3
191	Spirodiclofen	83.5	1.9	82.7	1.4
192	Spirotetramat	81.3	5.1	87.5	2.5
193	Spirotetramat-enol	83.3	3.5	89.8	4.2
194	Sulfoxaflor	88.8	5.5	110.4	6.1
195	Tebuconazole	88.4	9.6	86.3	6.8
196	Tebufenozide	87.5	2.3	83.6	1.7
197	Tebufenpyrad	82.4	2.0	95.9	3.3
198	Teflubenzuron	83.7	4.5	90.1	0.9
199	Terbuthylazine	77.6	3.3	104.6	3.9
200	Tetraconazole	76.2	2.8	83.1	5.6
201	Thenylchlor	84.8	2.8	86.7	3.4
202	Thiabendazole	73.3	2.2	85.4	1.6

203	Thiacloprid	81.7	3.3	90.7	0.8
204	Thiamethoxam	78.2	3.3	102.4	0.9
205	Thiazopyr	77.2	9.8	91.2	5.6
206	Thidiazuron	81.9	13.7	80.6	3.7
207	Thifensulfuron-methyl	85.7	3.2	93.6	4.7
208	Thiobencarb	78.0	6.0	94.3	1.8
209	Thiodicarb	79.3	4.7	93.8	0.9
210	Tiadinil(-)	74.2	3.7	85.4	2.7
211	Tiadinil	115.6	15.4	87.3	0.8
212	Triadimefon	80.5	3.1	91.4	4.3
213	Triazophos	78.6	3.9	94.8	1.9
214	Tricyclazole	87.5	6.8	108.5	1.2
215	Trifloxystrobin	79.8	2.3	95.7	0.9
216	Triflumizole	80.0	3.8	84.5	1.2
217	Triflumuron	80.1	10.0	91.1	3.1
218	Uniconazole	91.0	7.7	92.2	5.9
219	Vamidothion	78.8	1.3	96.9	2.2