

Table S1 Chromatographic and mass spectrometer condition of the compounds determined by LC-MS/MS triple quadrupole.

Compound	Retention time (min)	Precursor ion (m/z)	Fragmentor voltage (V)	Transitions				Ionization mode
				Product ion (m/z) - SRM1	Collision energy (V)	Product ion (m/z) - SRM2	Collision energy (V)	
Acephate	1.64	184.0	70	49.1	20	143.0	5	AJS ESI +
Acetamiprid	2.04	223.1	126	90.0	45	125.8	21	AJS ESI +
Acetochlor	8.05	270.1	120	148.1	17	224.2	9	AJS ESI +
<i>Aflatoxin B1</i>	5.84	313.1	96	128.2	89	241.2	41	AJS ESI +
<i>Aflatoxin B2</i>	5.55	315.1	136	77.2	117	287.0	29	AJS ESI +
<i>Aflatoxin G1</i>	5.83	329.1	96	115.0	89	213.8	41	AJS ESI +
<i>Aflatoxin G2</i>	5.03	331.1	96	201.0	41	245.1	33	AJS ESI +
Aldicarbe sulfone	1.86	240.1	65	58.1	37	63.1	37	AJS ESI +
Aldicarbe sulfoxide	1.63	207.1	111	65.0	16	89.0	12	AJS ESI +
Atrazine	6.60	216.1	125	145.9	20	174.1	16	AJS ESI +
Azamethiphos	5.85	325.0	120	112.0	40	183.0	10	AJS ESI +
Azinphos-methyl	7.32	318.0	86	125.0	24	260.9	4	AJS ESI +
Azoxystrobin	7.49	404.1	110	329.1	32	372.1	8	AJS ESI +
Benfuracarb	9.10	411.2	95	162.1	40	252.1	8	AJS ESI +
Bifenazate	7.73	301.2	81	170.1	24	198.1	4	AJS ESI +
Bitertanol	7.92	338.2	70	99.1	10	269.3	4	AJS ESI +
Boscalid	7.76	316.1	126	165.0	29	247.1	17	AJS ESI +
Bromuconazol	7.55	376.0	116	122.8	81	158.8	41	AJS ESI +
Bupirimate	7.14	317.2	125	166.1	33	210.2	20	AJS ESI +
Buprofezin	8.54	306.2	105	201.1	5	116.1	10	AJS ESI +
Cadusaphos	8.61	271.1	81	130.7	21	158.9	12	AJS ESI +
Carbaryl	6.44	202.1	65	127.1	28	145.1	4	AJS ESI +
Carbendazim	1.65	192.1	56	132.1	32	160.1	16	AJS ESI +
Carbofuran	6.24	222.1	80	123.1	30	165.1	20	AJS ESI +
Carpropamid	8.31	334.1	92	76.9	77	102.9	49	AJS ESI +
Chlorfenvinphos	8.16	358.9	105	99.2	28	155.0	8	AJS ESI +
Chlorpyrifos-ethyl	9.36	349.9	100	97.0	20	198.0	20	AJS ESI +
Clofentezine	8.56	303.0	110	102.0	40	138.0	12	AJS ESI +
Clothianidin	2.45	250.0	76	131.8	21	169.1	9	AJS ESI +
Cyazofamid	8.13	325.0	90	108.0	8	261.0	4	AJS ESI +
Cyproconazole	7.32	292.1	100	89.0	60	125.0	20	AJS ESI +
Cyprodinil	7.20	226.1	140	91.1	36	133.1	24	AJS ESI +
<i>Citrinin</i>	6.89	251.1	96	90.9	61	115.0	69	AJS ESI +
Demeton-S-methylsulfone	1.98	263.0	95	109.0	24	169.0	12	AJS ESI +
Diazinon	8.58	305.1	105	97.0	40	169.1	32	AJS ESI +
Dichlofluanid	7.60	333.0	126	123.0	32	224.0	16	AJS ESI +
Diethofencarb	7.39	268.2	70	124.0	30	226.1	0	AJS ESI +
Difenconazole	8.41	406.1	120	188.0	40	251.0	20	AJS ESI +
Diphenylamine	7.94	170.1	116	66.0	49	93.1	29	AJS ESI +
Diflubenzuron	7.74	311.0	80	141.0	32	158.0	8	AJS ESI +
Dimethoate	3.58	230.0	70	125.0	16	198.8	0	AJS ESI +
Dimethomorph	7.17	388.1	145	273.1	32	301.0	24	AJS ESI +
Diniconazole	8.13	326.1	110	70.0	25	159.0	28	AJS ESI +
Diuron	6.65	233.0	120	72.0	20	160.1	29	AJS ESI +
Epoxiconazole	7.60	330.1	126	100.9	40	120.9	21	AJS ESI +
Ethion	9.33	385.0	95	142.8	24	199.0	12	AJS ESI +
Ethirimol	1.66	210.2	145	98.0	32	140.1	20	AJS ESI +
Etofenprox	10.9	394.2	100	177.0	5	359.0	5	AJS ESI +

Table S1 (continued)

Compound	Retention time (min)	Precursor ion (m/z)	Fragmentor voltage (V)	Transitions				Ionization mode
				Product ion (m/z) - SRM1	Collision energy (V)	Product ion (m/z) - SRM2	Collision energy (V)	
Ethoprophos	7.77	243.1	90	97.0	30	130.9	15	AJS ESI +
Ethiprole	7.19	397.0	96	255.0	44	351.0	20	AJS ESI +
Etozazole	9.62	360.2	91	113.0	60	141.0	32	AJS ESI +
Fenamidone	7.53	312.0	100	92.2	28	236.2	8	AJS ESI +
Fenamiphos	7.48	304.1	120	217.1	20	234.0	12	AJS ESI +
Fenarimol	7.65	331.0	130	139.0	36	268.0	20	AJS ESI +
Fenzaquin	10.4	307.2	105	147.1	16	161.1	10	AJS ESI +
Fenbuconazole	7.77	337.1	145	70.0	33	125.1	40	AJS ESI +
Fenhexamid	7.64	302.1	130	55.1	40	97.1	20	AJS ESI +
Fenobucarb	7.31	208.1	65	95.0	12	152.1	0	AJS ESI +
Fenoxycarb	7.90	302.1	90	116.0	17	256.1	8	AJS ESI +
Fenpropimorph	6.16	304.3	81	132.0	40	147.0	28	AJS ESI +
Fenpyroximate	9.71	422.2	135	107.0	64	366.2	12	AJS ESI +
Fensulfothion	6.83	309.0	106	157.0	28	173.0	24	AJS ESI +
Fluazifop-butyl	9.09	384.1	101	282.0	20	328.0	16	AJS ESI +
Fludioxonil	7.31	247.0	95	126.0	32	169.0	32	AJS ESI -
Flufenoxuron	9.08	489.0	100	140.9	56	158.0	20	AJS ESI +
Fluquiconazole	7.70	376.0	126	272.2	40	348.9	21	AJS ESI +
Flusilazole	7.76	316.1	120	165.0	24	247.1	12	AJS ESI +
Flutolanil	7.85	324.1	92	92.9	37	144.9	65	AJS ESI +
Flutriafol	6.37	302.1	126	108.9	40	122.9	33	AJS ESI +
Fostiazato	6.49	284.1	120	103.9	21	227.9	5	AJS ESI +
Furalaxyl	7.35	302.1	110	95.0	27	242.1	10	AJS ESI +
Furathiocarb	9.14	383.2	110	167.0	24	195.0	16	AJS ESI +
Halofenozide	7.40	331.1	76	105.0	23	275.1	0	AJS ESI +
Haloxyfop-2-ethoxyethyl	8.84	434.1	111	90.8	45	316.1	17	AJS ESI +
Hexaconazole	7.97	314.1	95	124.8	40	159.0	30	AJS ESI +
Hexythiazox	9.47	353.1	115	168.1	24	227.9	8	AJS ESI +
Imazalil	5.33	297.1	115	159.0	20	201.0	15	AJS ESI +
Imazapic	2.90	276.1	126	162.9	29	231.1	21	AJS ESI +
Imidacloprid	3.50	256.0	80	175.0	12	208.9	12	AJS ESI +
Indoxacarb	8.56	528.1	126	203.0	45	293.0	13	AJS ESI +
Iprovalicarb	7.44	321.2	120	115.9	17	203.1	5	AJS ESI +
Kresoxim-methyl	8.21	314.1	85	222.1	10	282.2	0	AJS ESI +
Linuron	7.39	249.0	120	160.1	20	182.0	17	AJS ESI +
Malathion	7.85	331.0	80	99.0	10	126.9	5	AJS ESI +
Mecarbam	8.10	330.0	70	97.1	45	227.0	15	AJS ESI +
Mepanipyrim	7.80	224.1	126	192.1	29	207.9	17	AJS ESI +
Metalaxil	6.70	280.2	120	192.1	17	220.1	10	AJS ESI +
Metconazole	8.01	320.1	130	70.1	24	125.0	48	AJS ESI +
Methamidophos	1.62	142.0	85	94.0	10	125.0	10	AJS ESI +
Methidathion	7.35	302.9	55	85.1	15	145.0	0	AJS ESI +
Methiocarb	7.31	226.1	70	121.0	11	169.0	6	AJS ESI +
Methiocarb sulfone	4.83	275.1	92	77.0	85	121.8	29	AJS ESI +
Methiocarb sulfoxide	2.13	242.1	86	122.0	33	185.1	9	AJS ESI +
Methomyl	2.05	163.1	50	88.0	0	106.0	4	AJS ESI +
Methoxyfenozide	7.75	369.2	85	149.0	10	313.1	0	AJS ESI +
Monocrotophos	1.70	224.1	65	127.0	10	193.0	0	AJS ESI +

Table S1 (continued)

Compound	Retention time (min)	Precursor ion (m/z)	Fragmentor voltage (V)	Transitions				Ionization mode
				Product ion (m/z) - SRM1	Collision energy (V)	Product ion (m/z) - SRM2	Collision energy (V)	
Myclobutanil	7.52	289.1	110	70.1	16	125.1	32	AJS ESI +
Nitempiram	1.66	271.1	95	90.0	48	126.1	12	AJS ESI +
<i>Ochratoxin A</i>	7.26	404.1	101	220.9	41	238.5	29	AJS ESI +
Ofurace	6.61	282.1	101	148.0	20	160.0	6	AJS ESI +
Omethoate	1.63	214.0	80	109.0	24	125.0	16	AJS ESI +
Oxadixyl	5.62	279.1	70	132.3	32	219.2	5	AJS ESI +
Oxamyl	1.82	237.1	60	72.0	12	220.1	0	AJS ESI +
Paclobutrazol	7.16	294.1	115	70.1	16	125.2	36	AJS ESI +
Penconazole	8.07	284.1	101	70.1	15	158.9	37	AJS ESI +
Pencycuron	8.59	329.1	120	89.1	60	125.1	24	AJS ESI +
Pendimethalin	9.42	282.1	85	194.1	16	212.1	4	AJS ESI +
Phenothrin	10.70	351.2	91	154.9	37	183.1	21	AJS ESI +
Phenthoate	8.36	321.0	75	91.0	20	247.1	4	AJS ESI +
Phosalon	8.59	368.0	70	110.9	44	182.0	8	AJS ESI +
Phosmet	7.44	318.0	70	133.0	40	160.0	8	AJS ESI +
Picoxystrobin	8.22	368.1	70	145.0	20	205.2	4	AJS ESI +
Piperonyl butoxide	9.16	356.0	86	119.0	35	177.0	5	AJS ESI +
Pirazophos	8.46	374.1	121	194.1	37	222.2	21	AJS ESI +
Pirimicarb	2.16	239.1	100	72.1	20	182.1	12	AJS ESI +
Pirimiphos-ethyl	9.31	334.1	131	182.0	21	198.1	21	AJS ESI +
Pirimiphos-methyl	8.59	306.2	130	108.1	30	164.1	20	AJS ESI +
Prochloraz	7.43	376.0	70	265.9	12	308.0	4	AJS ESI +
Profenofos	8.91	373.0	126	302.9	17	344.8	9	AJS ESI +
Prometryn	6.32	242.1	121	68.1	53	158.1	25	AJS ESI +
Propamocarb	1.64	189.2	90	102.0	12	144.0	8	AJS ESI +
Propanil	7.17	218.0	91	127.0	24	162.0	14	AJS ESI +
Propargite	9.58	368.1	80	175.2	8	231.2	0	AJS ESI +
Propham	6.99	180.1	60	120.0	12	138.1	4	AJS ESI +
Propiconazole	8.18	342.1	115	123.0	60	159.0	32	AJS ESI +
Propyzamide	7.68	256.0	81	172.9	21	190.0	15	AJS ESI +
Propoxur (I.I.S.)	6.20	210.1	61	153.1	1	168.0	1	AJS ESI +
Pyraclostrobin	8.46	388.1	95	163.1	20	193.8	8	AJS ESI +
Pyridaben	10.20	365.1	80	147.2	20	309.1	4	AJS ESI +
Pyrimethanil	6.31	200.1	120	82.0	25	106.9	20	AJS ESI +
Pyriproxyfen	9.23	322.2	110	96.0	12	185.0	20	AJS ESI +
Quinalphos (P.I.S.)	8.30	299.0	90	243.1	12	271.1	8	AJS ESI +
Quinoxifen	9.32	308.0	175	182.3	13	200.1	17	AJS ESI +
Simazine	5.76	202.1	126	104.0	30	132.0	17	AJS ESI +
Spinosyn A	6.94	732.5	155	98.1	60	142.1	28	AJS ESI +
Spinosyn D	7.22	746.5	175	141.8	29	142.4	29	AJS ESI +
Spirodiclofen	10.20	411.1	110	71.2	15	313.0	5	AJS ESI +
Spiromesifen	10.10	371.2	120	255.1	24	273.1	12	AJS ESI +
Spiroxamine	6.20	298.3	125	100.1	32	144.1	16	AJS ESI +
Tau-Fluvalinate	10.30	503.1	91	181.1	29	207.9	5	AJS ESI +
Tebuconazole	7.78	308.1	100	115.2	52	124.9	47	AJS ESI +
Tebufenoxide	8.09	353.2	95	133.0	16	297.1	0	AJS ESI +
Tebufenpyrad	9.06	334.2	145	145.0	37	147.1	24	AJS ESI +
Tetrachlorvinphos	7.95	364.9	120	204.0	49	239.0	17	AJS ESI +
Tetraconazole	7.59	372.0	130	70.0	20	159.0	36	AJS ESI +
Tetramethrin	9.13	332.2	100	135.0	15	164.1	15	AJS ESI +

Table S1 (continued)

Compound	Retention time (min)	Precursor ion (m/z)	Fragmentor voltage (V)	Transitions				Ionization mode
				Product ion (m/z) - SRM1	Collision energy (V)	Product ion (m/z) - SRM2	Collision energy (V)	
Thiabendazole	1.64	202.0	130	65.0	52	175.0	24	AJS ESI +
Thiacloprid	5.19	253.0	100	90.0	40	126.0	16	AJS ESI +
Thiamethoxam	1.98	292.0	85	181.1	20	211.1	8	AJS ESI +
Thiodicarb	6.04	355.1	85	88.1	8	108.1	8	AJS ESI +
Thiophanate-methyl	5.92	343.1	96	92.9	61	151.1	21	AJS ESI +
Triadimefon	7.64	294.1	90	197.2	8	225.1	20	AJS ESI +
Triadimenol	7.16	296.1	70	99.1	8	227.2	4	AJS ESI +
Triazophos	7.88	314.1	101	118.9	37	162.0	17	AJS ESI +
Trifloxystrobin	8.70	409.1	110	186.0	12	206.1	8	AJS ESI +
Triflumizole	8.08	346.1	85	43.1	20	278.0	4	AJS ESI +
Triticonazole	7.32	318.1	126	69.9	17	124.9	40	AJS ESI +
<u>Zearalenone</u>	7.33	319.2	91	127.8	65	301.2	5	AJS ESI +
Zoxamide	8.43	336.0	120	159.0	44	187.0	16	AJS ESI +

I.I.S.: instrument internal standard; P.I.S.: procedure internal standard.