

Supplemental Table 3. Results of fortification studies and MDL calculated for each analyte in 24 matrices.
Avg % R: Average % recovery; Rstd: Standard deviation of recovery; RSD: Relative standard deviation
MDL: Method detection limit

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Apple													
3-Hydroxycarbofuran	100	10	10	104	6	6	92	5	6	103	16	16	2.3
Acephate	92	1	1	87	1	1	84	3	4	85	4	5	0.3
Acetamiprid	105	5	5	104	6	6	107	6	6	107	17	16	1.2
Acibenzolar-S-methyl	92	3	4	101	5	5	94	4	4	100	13	13	0.8
Alanycarb	ND			ND			ND			ND			ND
Aldicarb sulfoxide	108	2	2	102	5	5	93	6	6	100	14	14	0.5
Aldicarb	102	6	6	102	7	7	88	9	10	94	16	17	1.3
Aldoxycarb	119	5	4	116	3	2	100	8	8	103	17	17	0.9
Ametryn	98	12	13	105	9	8	109	7	6	104	17	16	3.0
Aminocarb	99	5	6	99	6	6	92	7	7	95	16	17	1.3
Amitraz	126	18	14	79	4	5	36	4	11	40	8	19	3.3
Avermectin B1a 1	ND			128	6	5	71	9	13	81	14	17	2.8
Avermectin B1b 1	ND			ND			ND			77	31	40	ND
Azoxystrobin	95	4	4	101	7	7	100	9	9	112	19	17	0.9
Benalaxyl	101	8	8	96	4	4	105	7	7	116	18	15	1.8
Bendiocarb	106	9	8	115	7	6	98	4	4	105	13	12	1.9
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	94	6	6	85	8	10	91	10	11	94	6	6	1.4
Bifenazate	ND			9	1	13	38	6	16	70	11	16	7.9
Bitertanol	96	17	18	103	2	1	111	2	2	100	12	12	4.1
Boscalid	89	11	12	105	10	9	109	14	13	108	19	18	2.9
BromuconazoleA	95	12	12	102	12	12	82	7	9	99	22	22	2.9
BromuconazoleB	101	5	5	110	7	7	81	5	6	82	17	21	1.3
Bupirimate	103	5	5	101	5	5	103	6	6	112	15	14	1.1
Buprofezin	86	9	11	94	8	8	97	14	15	106	13	12	2.5
Butafenacil	86	7	9	103	6	6	117	8	7	111	18	16	2.0
Butocarboxim	96	9	10	103	12	12	106	15	14	102	15	15	2.3
Butoxycarboxim	100	5	5	106	3	2	97	9	9	104	17	17	1.1
Carbaryl	93	8	9	96	3	3	94	4	4	104	10	9	2.0
Carbendazim	104	4	4	102	2	2	98	6	7	102	13	13	0.9
Carbetamide	104	10	10	104	6	6	103	8	8	113	11	10	2.3
Carbofuran	131	5	4	129	4	3	136	8	6	154	39	25	1.0
Carboxin	80	12	15	81	7	8	82	4	5	100	10	10	3.4
Carfentrazone-ethyl	82	5	6	99	7	7	109	9	8	103	15	14	1.5
Chlorantraniliprole	65	10	15	89	13	14	85	9	10	89	16	18	3.6
Chlorfluazuron	128	15	12	104	6	6	91	8	9	102	19	18	2.7
Chlorotoluron	103	8	8	114	2	1	114	6	6	113	21	19	1.9
Chloroxuron	90	10	11	93	4	5	101	12	12	107	13	12	2.5
Clethodim	42	7	17	40	5	13	57	9	15	52	20	39	4.0
Clofentezine	94	6	6	94	10	11	102	10	10	110	17	15	1.5
Clothianidin	119	6	5	104	8	8	100	8	8	104	14	13	1.2
Cyazofamid	89	7	8	98	8	8	110	11	10	114	21	18	2.0
Cycluron	101	12	12	105	2	2	99	5	5	101	12	12	2.7
Cymoxanil	98	5	5	98	3	3	99	6	6	110	16	15	1.2
CyproconazoleA	92	6	6	103	5	5	109	6	6	108	15	14	1.5
CyproconazoleB	103	7	7	111	2	1	104	8	8	109	16	15	1.6
Cyprodinil	89	4	4	103	7	6	100	10	10	104	12	12	1.0
Cyromazine	ND			ND			42	8	20	32	7	22	46.9
Desmedipham	96	5	5	101	6	6	97	11	11	98	8	9	1.2
Diclobutrazol	99	9	9	108	8	8	102	7	7	108	13	12	2.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Dicrotophos	99	4	4	100	2	2	100	5	5	103	15	15	1.0
Diethofencarb	100	6	6	105	4	4	111	6	5	108	17	15	1.4
Difenoconazole	91	6	6	102	3	3	102	8	8	114	12	11	1.5
Diffubenzuron	110	8	7	109	13	12	99	13	13	103	17	16	1.7
Dimethoate	97	6	6	101	5	5	101	4	4	105	16	15	1.4
DimethomorphA	97	10	10	100	6	6	100	9	9	112	18	16	2.4
DimethomorphB	90	8	9	96	7	7	103	9	9	110	17	16	2.2
Dimoxystrobin	102	4	4	99	3	3	100	6	6	111	20	18	0.9
Diniconazole	94	9	10	100	12	12	105	6	6	112	9	8	2.3
Dinotefuran	107	12	12	113	12	10	105	6	6	102	13	13	2.7
Dioxacarb	101	3	3	104	4	4	88	2	3	93	17	18	0.7
Diuron	103	14	13	103	11	11	119	10	8	104	21	20	3.1
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin		ND			ND			ND			ND		ND
E-Fenpyroximate	98	5	5	99	5	5	101	8	8	114	14	12	1.2
Emamectin benzoate		ND			ND			ND			ND		ND
Epoxiconazole	92	10	11	101	4	4	111	9	9	111	14	13	2.6
Eprinomectin	110	8	7	90	15	17	69	8	11	88	3	4	1.7
Etaconazole	98	8	8	110	14	13	105	5	5	114	17	15	1.9
Ethaboxam	93	4	4	96	4	5	95	5	6	108	13	12	1.0
Ethiofencarb	85	14	17	101	5	5	91	4	4	104	14	14	4.0
Ethiprole	112	10	9	104	4	3	112	17	15	107	15	14	2.2
Ethirimol	83	3	4	74	3	4	80	4	5	85	3	3	1.0
Ethofumesate	109	7	7	105	6	5	113	11	9	108	20	19	1.6
Etoxazole	98	7	8	101	3	3	107	8	8	115	18	15	1.8
Famoxadone	78	12	16	83	9	11	101	11	11	104	13	13	3.7
Fenamidone	91	14	15	92	7	8	99	4	4	108	17	16	3.6
Fenarimol	86	3	3	79	5	6	96	12	12	106	15	14	0.8
Fenazaquin	100	3	3	100	8	8	101	8	8	107	14	13	0.7
Fenbuconazole	94	19	20	103	8	8	102	14	14	117	27	23	4.7
Fenhexamid	52	3	5	54	6	11	70	2	2	62	22	35	1.3
Fenoxycarb	105	13	12	99	5	5	111	13	12	107	18	17	2.8
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	106	6	6	106	1	1	106	8	8	111	17	15	1.3
Flonicamid		ND		112	12	11	104	3	3	106	13	13	6.6
Flubendiamide		ND		118	29	25	65	6	9	83	12	15	14.7
Fludioxinil	48	6	13	94	16	17	110	7	7	103	19	18	3.0
Flufenacet	108	6	6	107	5	5	111	9	8	121	19	15	1.3
Flufenoxuron	86	9	10	99	8	8	84	10	12	96	12	13	2.4
Fluometuron	101	5	4	105	7	7	107	8	7	110	14	13	1.1
Fluoxastrobin	96	6	6	99	5	5	109	5	5	113	15	13	1.4
Fluquinconazole	128	13	10	106	3	3	115	9	8	117	14	12	2.3
Flusilazole	103	7	7	111	8	7	114	10	9	112	17	15	1.7
Flutolanil	100	8	8	101	10	10	103	5	5	110	22	20	1.8
Flutriafol	105	2	1	101	1	1	103	8	8	107	13	12	0.3
Forchlorfenuron	83	15	18	93	5	6	88	9	10	87	9	10	4.2
Formetanate HCl		ND			ND			ND			ND		ND
Fuberidazole	89	7	7	90	2	2	90	4	5	102	16	16	1.8
Furalaxyl	99	4	5	101	4	4	107	10	9	111	18	16	1.1
Furathiocarb	98	10	10	97	3	3	104	8	8	117	18	15	2.4
Hexaconazole	84	10	12	96	6	7	108	5	5	114	9	8	2.8
Hexaflumuron		ND		100	11	11	99	13	13	109	9	8	6.3
Hexythiazox	91	6	7	94	9	10	101	9	9	110	15	13	1.5
Hydramethylnon	69	11	17	54	6	10	60	2	4	87	11	12	3.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Imazalil	101	15	15	90	3	3	101	7	7	120	20	17	3.6
Imidacloprid	104	5	4	99	4	4	100	3	3	105	17	16	1.0
Indoxacarb	77	11	14	104	7	7	107	8	7	106	20	19	3.3
Ipconazole	99	9	9	98	6	6	97	6	7	113	14	12	2.1
Iprovalicarb	100	10	10	112	2	1	104	7	7	104	19	18	2.4
Isoprocab	102	10	10	105	4	4	108	6	6	112	12	11	2.4
Isoproturon	105	6	5	108	2	2	99	11	11	103	16	16	1.2
Isoxaflutole	78	5	6	85	6	7	100	6	6	105	5	5	1.5
Ivermectin		ND			ND		79	12	15	92	12	13	35.7
Ivermectin+NH4		ND			ND		73	11	15	83	6	7	36.3
Kresoxim-methyl	90	16	17	114	16	14	95	16	17	105	21	20	4.1
Linuron	82	12	15	92	9	9	108	13	12	103	21	20	3.5
Lufenuron	93	14	15	98	9	9	100	12	12	102	16	16	3.6
Mandipropamide	92	10	10	101	3	3	99	3	3	111	19	17	2.4
Mefenacet	95	7	7	105	8	7	110	7	6	111	18	16	1.7
Mepanipyrim	96	3	3	102	5	5	106	8	8	109	15	14	0.6
Mepronil	102	5	5	105	4	4	108	7	6	107	29	27	1.1
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone	86	17	19	93	9	9	98	7	7	106	18	17	4.5
Metalaxyl	104	6	6	105	4	4	102	7	7	110	16	14	1.3
Metconazole	102	9	9	99	8	9	106	13	12	112	19	17	2.1
Methabenzthiazuron	100	6	6	114	9	8	101	6	5	109	17	16	1.4
Methamidophos		ND			ND		101	14	13	96	5	5	31.7
Methiocarb	96	3	4	99	9	9	107	4	4	102	16	15	0.8
Methomyl	113	7	6	119	4	3	125	9	7	144	19	13	1.5
Methoprotryne	104	8	8	101	3	3	110	6	5	112	22	19	1.8
Methoxyfenozide	97	5	5	113	3	3	99	8	8	96	12	13	1.1
Metobromuron	97	7	7	107	8	7	104	4	4	105	15	15	1.6
Metribuzin	125	8	6	117	8	7	101	9	9	107	18	17	1.4
Mevinphos-E	97	7	7	98	5	5	107	9	8	113	17	15	1.6
Mevinphos-Z	74	9	12	84	11	13	86	11	13	100	14	14	2.9
Mexacarbate	104	9	9	104	4	3	111	9	8	107	19	18	2.1
Monocrotophos	102	3	3	103	3	3	96	7	7	103	13	13	0.8
Monolinuron	102	10	10	101	5	5	101	9	9	104	12	12	2.4
Moxidectin		ND			ND		75	6	9	99	21	22	20.2
Moxidectin+Na		ND			ND		76	10	13	90	7	7	30.2
Myclobutanil	91	5	5	109	4	4	107	10	9	111	13	12	1.2
Neburon	101	3	3	102	7	6	104	5	5	111	19	17	0.7
Nitenpyram	83	4	5	91	7	8	99	5	5	105	16	16	1.2
Novaluron	95	8	8	96	17	18	103	6	5	112	11	10	2.0
Nuarimol	94	10	11	98	10	10	103	10	10	106	11	10	2.5
Omethoate	105	10	9	94	5	5	93	5	6	92	15	16	2.2
Oxadixyl	105	3	3	101	5	5	93	4	5	134	49	36	0.8
Oxamyl	101	7	7	103	3	2	118	6	5	114	14	12	1.7
Paclobutrazol	107	8	7	108	5	5	107	6	6	106	13	12	1.8
Penconazole	89	6	7	97	7	7	116	11	9	111	16	14	1.5
Pencycuron	95	4	5	97	3	3	102	11	11	115	22	19	1.1
Phenmedipham	90	8	9	101	9	9	96	4	4	102	13	13	2.2
Picoxystrobin	98	6	6	101	11	11	108	11	10	111	17	16	1.5
Piperonyl butoxide	99	9	9	99	9	9	107	9	8	117	20	17	2.1
Pirimicarb	98	4	4	108	2	2	103	7	7	109	19	18	1.0
Prochloraz	90	3	4	94	6	6	98	7	7	122	16	13	0.8
Promecarb	94	4	5	112	9	8	107	8	7	101	29	28	1.1
Prometon	102	8	7	108	4	3	102	3	3	112	19	17	1.7
Prometryne	98	5	5	109	9	8	92	9	10	101	14	14	1.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propamocarb	ND			ND			ND			ND			ND
Propargite	95	8	8	98	3	4	98	9	10	115	15	13	1.9
Propham	93	10	11	102	10	10	106	12	11	113	11	10	2.5
Propiconazole	100	4	4	100	4	4	102	6	6	112	20	18	1.0
Propoxur	104	4	3	101	5	5	102	4	4	111	16	15	0.8
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	102	7	7	107	4	4	102	7	7	112	24	21	1.7
Pyraclostrobin	95	3	4	96	7	7	111	8	8	121	23	19	0.9
Pyridaben	94	5	6	98	3	3	108	9	8	120	15	13	1.3
Pyrimethanil	96	7	7	97	5	5	93	10	11	102	16	15	1.7
Pyriproxyfen	98	7	7	98	5	5	102	6	6	115	20	18	1.6
Quinoxifen	94	5	5	102	14	14	104	8	8	111	16	15	1.2
Rotenone	100	16	16	97	3	4	103	12	12	108	21	20	3.7
Secbumeton	104	5	5	105	3	3	104	9	9	109	17	16	1.1
Siduron	111	5	4	104	4	4	102	6	6	106	16	15	1.0
Simetryne	100	10	10	105	2	2	94	8	9	107	18	17	2.3
SpinetoramA	94	5	5	91	3	3	103	5	5	112	12	11	1.2
SpinetoramB	90	5	6	89	2	2	104	5	5	111	11	10	1.3
Spinosad	94	4	5	94	4	5	110	5	4	115	11	9	1.1
Spirodiclofen	93	12	13	81	5	6	92	8	9	101	5	5	3.0
Spiromefesin	85	14	17	96	14	14	102	16	16	97	26	27	4.0
Spirotetramat	81	7	8	74	4	5	88	6	7	84	15	18	2.0
Spiroxamine	ND			ND			ND			ND			ND
Sulfentrazone	115	9	8	71	6	9	74	6	8	71	30	43	1.8
Tebuconazole	100	9	9	99	4	4	105	12	11	115	17	15	2.1
Tebufenozide	103	11	11	112	14	13	104	5	5	130	29	22	2.6
Tebufenpyrad	93	14	15	96	9	9	98	7	7	106	14	13	3.5
Tebuthiuron	89	7	8	94	3	4	100	6	6	111	11	10	1.8
Teflubenzuron	144	13	9	103	11	10	92	6	6	106	18	17	2.2
Temephos	92	12	13	98	4	4	97	12	12	107	15	14	2.9
Terbumeton	104	5	5	108	3	3	109	9	9	106	21	20	1.2
Terbutryne	101	5	5	105	3	3	116	11	9	110	23	21	1.1
Tetraconazole	84	11	13	97	11	12	97	11	11	120	16	13	3.0
Thiabendazole	96	10	11	99	5	5	85	6	7	100	10	10	2.5
Thiacloprid	104	6	6	104	2	2	96	3	4	113	13	11	1.4
Thiamethoxam	92	10	11	106	3	3	85	3	4	101	13	13	2.7
Thidiazuron	74	8	11	82	3	4	77	7	9	75	14	18	2.6
Thiobencarb	96	10	10	103	6	6	111	8	7	111	14	13	2.4
Thiofanox	ND			ND			ND			ND			ND
Thiophanate-methyl	93	6	6	93	2	2	86	8	9	100	14	14	1.5
Triadimefon	94	10	11	104	4	4	108	3	3	108	16	15	2.5
Triadimenol	107	8	8	106	2	2	112	7	7	110	13	12	1.8
Trichlorfon	79	7	9	85	1	2	81	4	4	89	6	6	2.1
Tricyclazole	104	3	2	103	2	2	99	6	7	98	15	15	0.6
Trifloxystrobin	94	3	3	103	4	4	99	8	8	117	18	15	0.7
Triflumizole	91	5	6	91	3	4	94	8	9	108	13	12	1.4
Triflumuron	101	11	11	96	5	6	102	11	11	110	21	19	2.5
Triticonazole	96	13	14	106	6	6	108	9	9	103	18	18	3.2
Vamidotion	99	3	3	96	3	3	101	7	7	104	16	16	0.6
Zoxamide	89	6	7	105	4	4	107	5	5	119	18	15	1.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Avocado													
3-Hydroxycarbofuran	88	9	11	100	14	14	96	7	7	86	2	2	2.5
Acephate	85	6	8	97	15	16	87	5	5	85	4	4	1.8
Acetamiprid	103	9	8	112	11	10	100	6	6	89	6	6	2.0
Acibenzolar-S-methyl	97	9	10	115	13	12	95	6	7	87	5	6	2.2
Alanycarb		ND			ND		67	7	11	59	6	9	25.0
Aldicarb sulfoxide	92	10	11	109	11	10	93	6	7	94	7	7	2.7
Aldicarb	93	13	14	107	15	14	93	4	4	86	11	12	3.4
Aldoxycarb	95	5	5	105	14	13	102	8	8	90	7	8	1.2
Ametryn	84	18	21	89	10	11	84	4	5	79	5	7	5.0
Aminocarb	94	4	4	101	12	12	89	6	7	85	5	6	1.0
Amitraz		ND			ND			ND		46	7	16	ND
Avermectin B1a 1		ND			ND		102	4	4	61	8	13	9.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	91	10	11	103	12	12	90	7	8	87	6	7	2.5
Benalaxyl	85	15	17	109	10	9	81	4	5	79	5	6	4.1
Bendiocarb	98	5	5	103	17	17	91	5	6	87	7	8	1.2
Benfuracarb	64	11	18	68	9	14	58	7	12	63	7	11	4.2
Benzoximate	61	37	60	70	8	11	77	10	13	76	2	3	14.1
Bifenazate	23	8	33	32	9	29	31	6	19	32	6	18	7.8
Bitertanol	180	108	60	145	28	20	98	10	10	84	7	8	14.1
Boscalid	91	13	15	88	12	13	90	9	10	80	14	18	3.5
BromuconazoleA	108	51	48	107	9	8	82	10	12	76	6	8	11.2
BromuconazoleB	158	71	45	151	31	21	104	9	9	94	4	5	10.6
Bupirimate	22	15	65	64	9	14	79	8	10	80	6	7	15.3
Buprofezin	84	13	15	80	8	10	76	7	9	76	2	3	3.5
Butafenacil	93	8	9	104	8	8	95	7	7	97	10	10	2.1
Butocarboxim	87	12	13	98	19	20	87	5	6	85	8	9	3.1
Butoxycarboxim	98	13	14	107	17	16	100	4	4	95	8	8	3.2
Carbaryl	91	21	23	104	14	14	93	7	7	93	5	5	5.3
Carbendazim	104	13	12	113	18	16	106	11	10	106	7	7	2.9
Carbetamide	106	11	11	115	17	15	98	5	5	94	7	8	2.5
Carbofuran	100	10	10	107	14	13	97	8	8	88	5	6	2.4
Carboxin	72	16	23	75	11	15	62	7	12	60	3	6	5.4
Carfentrazone-ethyl	83	7	9	92	14	16	87	10	11	83	5	6	2.1
Chlorantraniliprole	99	35	35	99	16	16	83	5	6	78	7	9	8.3
Chlorfluazuron		ND			ND		82	3	4	75	7	9	9.0
Chlorotoluron	76	18	23	99	24	24	93	10	11	81	4	5	5.5
Chloroxuron	43	20	46	77	8	10	78	10	12	78	5	6	10.8
Clethodim	63	30	48	53	17	32	47	9	19	49	8	17	11.4
Clofentezine		ND			ND		103	15	14	77	8	10	34.0
Clothianidin	117	7	6	107	14	13	91	11	12	80	7	8	1.3
Cyazofamid	90	12	13	82	7	9	84	14	16	85	5	6	3.1
Cycluron	95	16	17	103	11	11	95	17	18	86	4	5	4.0
Cymoxanil	87	8	9	93	10	10	89	9	11	88	4	4	2.1
CyproconazoleA	78	5	7	93	16	17	84	7	8	86	3	4	1.6
CyproconazoleB	91	17	19	97	11	11	90	8	9	88	7	8	4.4
Cyprodinil	60	10	17	68	10	15	72	12	17	76	7	9	4.0
Cyromazine	42	34	81	62	20	32	52	4	8	57	5	9	19.1
Desmedipham	67	19	29	98	24	25	81	6	8	82	4	5	6.8
Diclobutrazol	100	17	17	104	17	17	98	17	18	95	7	7	3.9
Dicrotophos	98	11	12	115	16	14	95	4	4	88	7	8	2.7
Diethofencarb	97	5	5	94	6	7	85	8	10	86	3	3	1.2
Difenoconazole	93	12	13	101	10	10	97	5	5	92	4	4	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	84	16	19	86	19	22	82	6	8	85	4	4	4.4
Dimethoate	97	4	4	117	13	11	101	8	8	94	4	5	1.0
DimethomorphA	90	15	16	90	12	14	91	11	12	88	6	6	3.8
DimethomorphB	87	19	22	112	22	20	74	7	10	78	5	7	5.2
Dimoxystrobin	97	7	7	102	19	19	91	11	12	96	6	6	1.6
Diniconazole	92	26	29	108	16	15	77	10	12	83	4	5	6.7
Dinotefuran	95	7	7	104	11	11	95	9	9	85	5	6	1.7
Dioxacarb	95	7	8	104	16	15	93	10	10	90	6	7	1.8
Diuron	92	8	9	92	7	7	90	18	20	77	5	7	2.2
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	136	12	8	139	16	12	113	9	8	92	7	7	2.0
E-Fenpyroximate	78	7	9	86	9	11	81	5	7	79	3	4	2.2
Emamectin benzoate	150	14	9	137	19	14	112	8	7	103	12	12	2.2
Epoxiconazole	72	29	41	107	18	17	93	6	7	88	6	7	9.6
Eprinomectin		ND			ND		107	12	12	76	13	17	27.3
Etaconazole	89	29	33	95	25	26	91	12	14	93	5	5	7.7
Ethaboxam	99	8	8	101	12	12	91	8	9	88	4	4	1.9
Ethiofencarb	66	10	15	87	16	18	73	4	5	73	2	3	3.5
Ethiprole	95	35	37	91	20	22	95	8	8	87	7	8	8.6
Ethirimol	67	7	10	78	10	12	68	4	6	70	3	4	2.4
Ethofumesate		ND		50	8	15	76	8	10	84	5	6	8.9
Etoxazole	84	13	16	91	8	9	80	6	7	75	4	5	3.7
Famoxadone	144	52	36	107	26	24	95	14	15	85	7	8	8.5
Fenamidone	94	5	6	105	22	21	90	10	11	89	6	7	1.4
Fenarimol		ND		104	19	19	83	7	9	82	3	4	11.1
Fenazaquin	44	15	33	72	8	11	67	4	5	67	3	4	7.8
Fenbuconazole		ND		56	26	47	96	9	10	91	9	10	27.7
Fenhexamid	61	3	6	65	2	3	50	7	14	55	1	3	1.4
Fenoxycarb	85	6	7	107	15	14	88	8	9	84	5	6	1.8
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	93	7	7	100	8	8	95	9	9	91	6	7	1.7
Flonicamid	110	13	12	122	16	13	95	6	6	91	7	7	2.7
Flubendiamide		ND			ND			ND		75	17	22	ND
Fludioxinil		ND		107	25	23	88	10	12	85	10	12	13.7
Flufenacet	73	7	10	90	7	8	86	9	10	81	4	5	2.4
Flufenoxuron	111	16	14	104	5	4	84	14	16	80	3	4	3.3
Fluometuron	95	9	9	108	16	15	92	10	11	84	7	8	2.2
Fluoxastrobin	87	11	12	90	13	14	77	9	12	81	4	5	2.9
Fluquinconazole	113	22	19	94	19	20	74	11	15	74	3	4	4.5
Flusilazole	90	15	17	106	22	21	97	8	8	94	3	3	4.0
Flutolanil	82	6	7	99	11	11	82	10	12	81	4	5	1.7
Flutriafol	112	17	15	116	15	13	100	6	6	96	7	7	3.6
Forchlorfenuron	66	8	12	89	16	18	82	6	7	84	4	5	2.9
Formetanate HCl	89	7	8	105	12	11	80	4	5	81	4	5	2.0
Fuberidazole	86	10	12	96	18	19	84	8	9	84	5	6	2.7
Furalaxyl	88	28	32	105	15	14	91	10	11	84	5	6	7.6
Furathiocarb	82	7	8	87	11	13	90	10	11	90	6	7	1.9
Hexaconazole	77	10	13	97	16	17	89	7	8	88	4	5	3.0
Hexaflumuron		ND			ND		109	32	29	95	10	10	ND
Hexythiazox	92	12	13	85	16	19	71	9	13	71	4	6	3.1
Hydramethylnon	90	19	21	75	11	14	63	5	8	72	30	43	5.0
Imazalil	142	26	18	128	35	27	91	7	8	83	4	5	4.2
Imidacloprid	101	4	4	107	23	21	109	8	7	99	9	9	0.8
Indoxacarb		ND			ND		89	12	14	104	14	13	32.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	62	8	13	85	12	14	93	8	9	87	4	4	3.0
Iprovalicarb	92	9	9	113	14	13	87	8	9	82	5	6	2.2
Isoprocarb	142	31	22	118	13	11	98	9	9	88	7	8	5.2
Isoproturon	93	7	8	96	14	15	88	5	5	83	6	7	1.8
Isoxaflutole	78	20	25	101	29	28	83	1	2	79	6	8	6.0
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		ND		110	19	17	91	9	10	78	8	11	10.1
Linuron	98	35	36	90	17	19	87	11	13	81	3	4	8.4
Lufenuron		ND			ND		92	9	10	82	8	9	24.1
Mandipropamide	92	18	20	107	8	7	94	7	8	89	6	6	4.7
Mefenacet	93	6	6	89	11	12	77	5	7	74	3	4	1.5
Mepanipyrim	69	27	40	90	18	19	81	7	8	79	3	4	9.3
Mepronil	100	11	11	101	16	16	86	7	9	75	4	5	2.6
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND		90	20	23	96	7	7	ND
Metalaxyl	96	7	7	106	9	8	84	3	4	85	4	4	1.7
Metconazole		ND			ND		99	11	11	83	6	8	25.7
Methabenzthiazuron	80	6	8	87	10	12	85	9	11	83	5	6	1.9
Methamidophos	84	9	10	93	9	10	80	3	4	78	6	8	2.4
Methiocarb	93	10	11	93	3	3	86	9	11	79	5	6	2.5
Methomyl	97	12	12	109	12	11	99	2	2	91	7	8	2.9
Methoprotryne	89	5	6	100	10	10	87	9	10	81	4	5	1.4
Methoxyfenozide	89	6	7	101	18	18	78	7	9	78	6	8	1.5
Metobromuron	59	7	13	109	24	22	100	11	11	90	4	4	3.0
Metribuzin	96	13	13	105	12	11	92	4	5	87	6	7	3.1
Mevinphos-E	101	13	13	111	16	15	96	10	10	95	8	9	3.1
Mevinphos-Z	75	3	3	88	12	13	76	4	5	82	8	9	0.8
Mexacarbate		ND		97	11	11	87	5	6	86	8	9	6.7
Monocrotophos	94	7	7	112	16	15	97	6	6	96	6	6	1.8
Monolinuron	101	18	17	103	16	16	90	3	3	85	2	2	4.1
Moxidectin		ND			ND			ND			ND		ND
Moxidectin+Na		ND			ND			ND			ND		ND
Myclobutanil	88	8	9	111	19	17	77	8	10	75	4	5	2.2
Neburon	72	14	20	95	18	19	85	7	9	88	7	8	4.7
Nitenpyram	71	8	11	93	15	16	78	5	6	75	3	4	2.7
Novaluron	94	23	25	108	37	35	80	14	18	86	3	4	5.8
Nuarimol	97	18	19	98	22	23	89	11	12	90	8	9	4.4
Omethoate	90	6	7	106	12	12	95	5	5	88	6	7	1.6
Oxadixyl	102	6	6	111	14	13	95	4	4	90	5	5	1.3
Oxamyl	95	6	6	110	18	16	99	4	5	93	7	7	1.5
Paclobutrazol	85	7	9	98	9	9	85	4	5	84	2	3	2.1
Penconazole		ND			ND		89	10	12	90	7	8	27.5
Pencycuron	73	17	23	99	21	22	80	4	6	76	2	3	5.4
Phenmedipham	86	17	20	91	17	19	94	14	15	89	6	7	4.6
Picoxystrobin		ND		78	13	16	80	14	18	78	1	1	9.5
Piperonyl butoxide	84	9	10	89	10	11	86	8	9	81	6	8	2.4
Pirimicarb	95	7	7	107	12	12	93	5	5	90	6	6	1.8
Prochloraz	74	16	22	110	22	20	92	3	4	83	7	8	5.1
Promecarb	95	9	10	106	15	15	95	12	13	84	4	5	2.2
Prometon	91	8	8	97	8	8	87	5	6	83	3	4	2.0
Prometryne	54	12	22	93	14	15	79	9	11	76	5	7	5.2
Propamocarb	149	10	6	140	15	10	96	5	5	82	4	5	1.5
Propargite	100	10	10	99	9	9	84	7	9	85	3	4	2.3
Propham	82	15	19	104	15	15	93	4	4	87	3	4	4.4

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	92	10	11	96	36	38	94	9	9	87	10	12	2.7
Propoxur	95	9	9	108	12	11	98	9	9	94	9	10	2.2
Pymetrozine	79	9	12	95	10	11	81	8	10	74	4	6	2.8
Pyracarbolid	95	9	10	115	16	14	96	5	5	85	6	8	2.2
Pyraclostrobin	96	13	14	100	14	14	83	9	11	89	9	11	3.2
Pyridaben		ND			ND		57	21	38	67	4	6	ND
Pyrimethanil	72	25	35	89	3	4	72	10	14	62	2	4	8.3
Pyriproxyfen	75	8	10	77	8	10	72	9	12	75	4	5	2.4
Quinoxifen	54	16	30	68	19	28	69	12	17	70	4	5	7.0
Rotenone	59	22	38	90	17	19	84	16	19	93	4	5	8.9
Secbumeton	83	10	12	91	7	8	83	5	6	80	6	7	2.9
Siduron	94	47	49	102	17	16	94	15	16	85	8	9	11.6
Simetryne	91	18	20	102	8	8	83	7	8	82	5	6	4.7
SpinetoramA	116	14	12	112	15	13	99	11	11	90	3	3	2.8
SpinetoramB	99	53	54	114	23	20	98	15	15	92	7	8	12.6
Spinosad	106	17	16	118	18	15	95	6	6	86	4	5	3.9
Spirodiclofen	78	11	14	86	12	14	71	9	13	71	5	7	3.4
Spiromefesin	68	19	28	98	19	19	68	6	8	87	21	24	6.6
Spirotetramat	56	3	5	80	11	13	72	8	11	74	3	5	1.2
Spiroxamine	89	8	9	95	9	10	80	8	10	82	4	5	2.2
Sulfentrazone	100	33	33	88	9	11	88	20	23	75	6	8	7.7
Tebuconazole	104	26	25	106	12	11	96	3	3	91	3	3	5.8
Tebufenozide		ND			ND		101	19	19	91	14	15	44.1
Tebufenpyrad	75	15	20	110	30	27	80	10	12	76	5	6	4.7
Tebuthiuron	96	4	4	105	16	15	96	7	7	91	5	6	1.0
Teflubenzuron		ND			ND		95	13	13	82	4	4	31.7
Temephos	87	11	12	96	19	19	86	4	5	89	6	7	2.9
Terbumeton	86	5	6	89	10	11	83	9	11	82	4	4	1.3
Terbutryne	67	3	4	78	6	7	71	8	11	73	3	5	0.9
Tetraconazole	125	13	10	104	9	8	85	6	7	92	11	12	2.4
Thiabendazole	91	14	16	99	11	12	83	7	8	84	5	5	3.7
Thiacloprid	108	15	14	117	19	17	96	6	6	89	7	8	3.2
Thiamethoxam	94	8	8	108	14	13	93	7	7	88	4	5	1.9
Thidiazuron	86	20	24	95	12	13	80	3	4	77	4	6	5.5
Thiobencarb	68	10	15	79	21	27	79	9	12	79	6	7	3.5
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	39	3	8	40	4	11	31	4	12	29	2	7	1.8
Triadimefon	104	14	14	98	16	16	87	8	9	82	7	8	3.2
Triadimenol	101	15	15	97	18	19	90	6	7	83	5	6	3.4
Trichlorfon	101	17	17	100	18	18	85	3	4	83	3	3	3.9
Tricyclazole	93	11	12	105	6	6	89	5	6	88	6	7	2.8
Trifloxystrobin	93	13	14	95	9	9	89	12	14	88	2	2	3.3
Triflumizole	100	13	13	98	16	16	82	5	5	80	6	7	3.1
Triflumuron	92	20	22	89	4	5	79	14	18	75	2	2	5.1
Triticonazole	245	157	64	238	114	48	105	6	6	86	10	12	15.1
Vamidotion	93	7	8	105	13	12	95	5	6	89	9	10	1.9
Zoxamide	80	25	31	90	19	22	82	5	6	84	7	9	7.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Bean (Green)													
3-Hydroxycarbofuran	91	2	2	93	6	7	100	5	5	102	12	12	0.5
Acephate	94	4	5	78	5	7	86	7	8	94	11	12	1.1
Acetamiprid	94	6	6	94	6	6	104	10	10	106	14	13	1.4
Acibenzolar-S-methyl	101	5	5	95	4	4	101	8	8	101	10	10	1.2
Alanycarb		34			30		23	6	24	71	32	46	2.5
Aldicarb sulfoxide	94	11	12	91	4	5	97	7	7	102	17	17	2.8
Aldicarb	121	8	6	114	14	13	121	20	17	118	13	11	1.5
Aldoxycarb	83	25	30	101	4	4	109	10	9	111	10	9	7.0
Ametryn	87	7	8	95	6	7	95	3	3	97	11	11	1.8
Aminocarb	100	5	5	102	6	6	108	6	6	116	12	10	1.2
Amitraz		ND			ND			83		73	17	23	ND
Avermectin B1a 1		ND			ND		ND			92	16	17	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	86	10	12	94	6	6	96	2	2	102	17	16	2.7
Benalaxyl	87	2	2	89	6	6	89	7	8	99	12	12	0.6
Bendiocarb	93	7	8	100	5	5	106	5	5	112	15	13	1.9
Benfuracarb	31	3	9	32	4	14	26	3	13	61	33	55	2.2
Benzoximate	63	16	25	77	9	12	77	12	16	89	17	19	5.9
Bifenazate	ND			ND			ND			2	1	44	ND
Bitertanol	82	18	22	96	20	21	91	12	14	103	14	14	5.2
Boscalid	80	9	11	98	9	10	100	6	6	98	17	18	2.6
BromuconazoleA	82	5	6	95	11	12	102	6	6	106	14	13	1.5
BromuconazoleB	93	13	14	96	3	3	97	5	5	94	13	14	3.4
Bupirimate	91	10	11	100	9	9	91	6	6	95	12	12	2.6
Buprofezin	93	12	13	79	14	17	69	5	8	81	12	15	3.1
Butafenacil	88	9	10	95	9	9	88	5	6	89	18	20	2.3
Butocarboxim	ND			117	10	8	113	3	3	111	10	9	4.8
Butoxycarboxim	97	6	7	99	7	7	94	27	29	109	11	11	1.5
Carbaryl	98	13	13	99	7	8	103	1	1	109	9	8	3.0
Carbendazim	86	6	6	90	5	6	98	8	8	106	12	11	1.5
Carbetamide	97	6	6	93	5	5	98	9	9	105	10	9	1.3
Carbofuran	106	9	9	106	5	5	117	7	6	119	12	11	2.1
Carboxin	80	10	12	81	10	12	86	5	5	91	10	11	2.9
Carfentrazone-ethyl	85	9	11	96	15	16	92	5	6	95	10	11	2.6
Chlorantraniliprole	122	99	81	87	5	6	99	10	10	97	13	13	19.2
Chlorfluazuron		128			90		79	7	9	105	16	16	0.1
Chlorotoluron	91	9	9	102	6	6	105	6	6	110	15	13	2.2
Chloroxuron	89	15	16	89	10	11	96	8	8	97	7	7	3.9
Clethodim	44	9	21	40	6	15	41	4	9	53	10	19	4.9
Clofentezine		97			85		86	5	6	92	9	10	2.9
Clothianidin	156	11	7	110	4	4	101	5	5	105	16	15	1.7
Cyazofamid	106	9	8	103	6	6	101	2	2	101	6	6	2.0
Cycluron	94	10	10	98	9	9	102	13	13	102	11	11	2.4
Cymoxanil	97	8	8	94	4	5	107	5	5	108	11	10	2.0
CyproconazoleA	92	12	13	98	9	9	96	5	5	101	9	9	3.1
CyproconazoleB	92	3	3	97	5	5	98	4	4	104	13	12	0.7
Cyprodinil	93	5	6	89	14	15	98	8	8	96	11	11	1.3
Cyromazine	ND			ND			35	3	8	61	16	26	18.9
Desmedipham	85	4	5	92	8	8	91	3	4	97	10	11	1.2
Diclobutrazol	87	13	15	97	10	10	102	3	3	100	10	10	3.5
Dicrotophos	91	4	5	94	8	9	105	6	6	109	15	13	1.1
Diethofencarb	91	4	4	103	4	4	98	8	8	100	9	9	1.0
Difenoconazole	90	8	9	92	10	11	94	5	5	98	8	8	2.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL	
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4	
Diflubenzuron	86	5	5	98	19	19	99	5	5	97	8	8	1.3	
Dimethoate	94	7	8	93	8	9	108	12	11	110	12	11	1.8	
DimethomorphA	88	10	12	99	12	12	92	4	5	101	10	10	2.7	
DimethomorphB	94	9	10	96	5	6	91	4	4	97	5	5	2.4	
Dimoxystrobin	94	6	6	94	7	8	95	7	7	100	10	10	1.5	
Diniconazole	137	19	14	108	8	7	96	11	12	96	13	14	3.3	
Dinotefuran	97	19	19	96	7	7	88	20	23	103	18	17	4.6	
Dioxacarb	98	4	4	97	5	5	111	7	7	109	11	10	0.9	
Diuron	93	14	15	104	4	4	105	8	7	98	11	11	3.5	
Doramectin		ND			ND			ND			ND		ND	
Doramectin+NH4		ND			ND			ND			ND		ND	
Emamectin	113	3	2	97	13	13	85	3	4	85	7	8	0.6	
E-Fenpyroximate	90	1	2	85	7	8	85	6	7	99	15	16	0.4	
Emamectin benzoate	113	11	9	95	7	7	86	3	4	80	6	7	2.2	
Epoxiconazole	79	9	12	94	5	5	103	5	5	100	11	11	2.8	
Eprinomectin		ND			ND			ND			83	12	14	ND
Etaconazole	96	15	16	100	9	9	104	12	12	107	13	12	3.7	
Ethaboxam	90	2	3	86	3	3	88	5	6	96	11	11	0.6	
Ethiofencarb	89	21	24	92	12	13	101	3	3	103	11	11	5.7	
Ethiprole	89	5	6	97	7	7	104	7	6	100	12	12	1.4	
Ethirimol	70	5	6	74	3	4	79	4	5	88	5	6	1.5	
Ethofumesate		82		91	10	11	96	6	6	97	9	9	1.3	
Etoazole	90	10	11	90	7	8	96	5	5	102	11	11	2.6	
Famoxadone	95	3	4	104	12	11	84	5	6	90	13	15	0.8	
Fenamidone	99	2	2	90	3	3	90	6	7	97	11	12	0.5	
Fenarimol		ND		99	16	16	94	5	6	97	17	17	9.7	
Fenazaquin	85	3	4	69	9	13	78	7	8	89	19	22	0.9	
Fenbuconazole		103		96	11	12	104	12	12	101	17	16	5.3	
Fenhexamid	60	9	14	49	2	3	51	3	6	69	13	19	3.4	
Fenoxycarb	95	6	7	94	4	5	106	7	7	101	12	11	1.5	
Fenpropimorph		ND			ND			ND			ND		ND	
Fenuron	95	12	12	98	6	6	104	5	5	104	10	10	2.9	
Flonicamid	ND			109	9	9	110	11	10	113	12	10	5.1	
Flubendiamide		ND			ND			ND			ND		ND	
Fludioxinil		ND		94	11	12	102	8	8	108	12	11	7.1	
Flufenacet	104	8	8	99	6	6	94	3	3	99	9	10	1.9	
Flufenoxuron	82	8	10	74	11	15	74	8	11	92	14	15	2.3	
Fluometuron	91	5	6	97	2	2	114	6	6	112	17	15	1.4	
Fluoxastrobin	94	11	11	93	7	7	92	8	8	94	14	15	2.7	
Fluquinconazole	116	26	23	95	15	15	97	14	15	101	7	7	5.3	
Flusilazole	87	6	7	104	7	7	105	8	7	102	12	12	1.5	
Flutolanil	88	6	7	97	3	4	102	6	6	91	7	8	1.5	
Flutriafol	97	10	10	99	6	6	100	7	7	112	10	9	2.4	
Forchlorfenuron	81	7	8	83	6	7	87	3	3	89	6	6	2.0	
Formetanate HCl	91	4	4	83	4	5	91	4	4	97	13	13	1.0	
Fuberidazole	82	8	10	84	5	6	89	5	6	92	7	8	2.4	
Furalaxyl	88	6	7	100	5	5	104	7	7	106	16	15	1.7	
Furathiocarb	96	9	10	89	6	6	86	6	7	90	10	11	2.2	
Hexaconazole	83	9	10	87	8	9	104	7	7	103	8	8	2.4	
Hexaflumuron		ND			101		83	12	14	90	12	13	11.0	
Hexythiazox	100	8	8	87	8	9	84	10	11	93	10	11	1.8	
Hydramethylnon	73	12	16	75	13	17	84	11	13	92	11	12	3.8	
Imazalil	67	13	20	70	3	4	76	2	2	80	8	10	4.6	
Imidacloprid	89	3	4	90	8	8	106	6	5	100	13	13	0.8	
Indoxacarb		ND			99		101	8	8	94	13	14	3.6	

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	84	9	11	90	10	11	94	6	7	100	11	11	2.5
Iprovalicarb	94	6	6	98	7	7	102	7	7	104	10	10	1.5
Isoprocarb	102	3	3	98	4	4	100	7	7	113	15	13	0.8
Isoproturon	95	9	10	102	9	9	105	6	6	111	11	10	2.3
Isoxaflutole	ND			86	1	1	85	7	9	93	9	10	0.4
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		88		104	15	15	103	17	16	118	31	27	1.9
Linuron	ND			84	26	30	99	13	13	113	23	20	17.9
Lufenuron		ND			88		84	5	6	97	14	14	7.7
Mandipropamide	98	4	4	92	13	14	104	9	9	102	14	14	1.0
Mefenacet	90	3	3	98	2	2	94	1	1	102	12	12	0.7
Mepanipyrim	91	8	9	96	7	7	94	3	4	99	9	9	2.0
Mepronil	87	6	6	96	9	9	98	3	3	95	12	13	1.5
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		115			91		99	4	4	103	12	12	2.2
Metalaxyl	100	7	7	99	3	3	100	3	3	107	13	12	1.6
Metconazole		90			88		95	9	9	105	11	11	3.3
Methabenzthiazuron	89	8	9	98	4	4	97	3	3	99	12	12	2.0
Methamidophos	97	5	5	97	17	18	123	25	21	105	21	20	1.3
Methiocarb	94	12	13	101	11	11	97	3	3	99	11	11	3.1
Methomyl	102	7	7	104	5	5	115	6	5	118	12	11	1.7
Methoprotryne	95	11	11	92	6	6	96	4	4	98	12	12	2.7
Methoxyfenozide	93	6	6	99	10	10	107	5	5	98	21	21	1.5
Metobromuron	128	13	10	103	7	6	95	7	8	102	11	11	2.4
Metribuzin	129	10	8	109	7	6	105	8	8	111	13	12	1.8
Mevinphos-E	97	6	6	99	2	2	110	6	5	114	11	10	1.4
Mevinphos-Z	88	6	7	93	2	2	101	4	4	109	12	11	1.6
Mexacarbate		113		95	7	8	101	9	9	102	18	18	3.1
Monocrotophos	93	2	2	95	7	7	102	6	6	101	11	11	0.6
Monolinuron	96	16	17	103	10	10	109	9	8	114	16	14	3.9
Moxidectin		ND			ND			ND			ND		ND
Moxidectin+Na		ND			ND			ND			ND		ND
Myclobutanil	85	11	12	83	23	28	92	7	8	103	9	9	2.9
Neburon	95	2	2	101	5	5	92	7	8	93	12	13	0.5
Nitenpyram	86	5	6	88	2	3	95	8	9	96	12	12	1.3
Novaluron	111	22	20	97	6	6	103	10	10	97	17	17	4.6
Nuarimol	86	15	17	98	13	14	99	7	7	101	6	6	4.1
Omethoate	85	14	16	79	11	14	83	25	31	99	15	15	3.8
Oxadixyl	94	5	5	95	6	7	103	7	7	105	11	10	1.1
Oxamyl	99	2	2	96	6	6	102	7	7	110	11	10	0.4
Paclobutrazol	84	3	3	99	9	9	100	5	5	105	12	12	0.8
Penconazole		74			95		97	10	10	99	14	14	2.0
Pencycuron	93	3	4	92	8	9	96	4	4	104	15	14	0.8
Phenmedipham	88	6	7	88	6	7	95	4	5	97	13	13	1.5
Picoxystrobin		93		93	5	5	110	12	11	105	11	10	3.0
Piperonyl butoxide	91	5	6	94	5	5	93	3	3	98	15	15	1.4
Pirimicarb	96	6	6	97	6	6	106	5	5	110	15	13	1.5
Prochloraz	80	9	12	86	7	9	90	5	5	95	7	7	2.7
Promecarb	86	12	14	110	6	6	108	7	6	110	10	9	3.3
Prometon	88	4	4	93	2	2	99	3	3	103	10	10	1.0
Prometryne	92	9	10	97	12	13	92	2	2	93	9	9	2.3
Propamocarb	141	1	0	109	3	3	104	5	4	91	7	8	0.1
Propargite	96	7	7	88	7	8	89	3	4	97	11	12	1.6
Propham	100	13	13	89	10	11	99	4	4	105	10	10	3.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	90	7	8	92	9	10	93	5	5	98	13	14	1.8
Propoxur	97	5	6	101	5	5	108	3	3	106	10	10	1.3
Pymetrozine	60	20	33	69	4	5	79	5	6	88	15	17	7.8
Pyracarbolid	93	6	7	96	6	7	101	3	3	105	11	11	1.6
Pyraclostrobin	102	8	7	96	9	10	103	7	7	103	15	14	1.8
Pyridaben		93			91		91	6	7	101	15	15	1.4
Pyrimethanil	98	10	11	92	11	12	89	8	9	100	8	8	2.5
Pyriproxyfen	92	4	5	91	5	5	90	4	4	97	8	8	1.1
Quinoxifen	94	7	8	80	6	8	81	8	10	91	11	12	1.9
Rotenone	91	9	10	84	6	8	84	4	5	84	7	8	2.4
Secbumeton	87	7	8	96	5	5	102	2	2	108	13	12	1.9
Siduron	95	15	16	102	4	4	103	3	3	105	12	11	3.8
Simetryne	97	7	8	96	3	3	91	5	6	101	11	10	1.8
SpinetoramA	83	6	7	77	4	5	73	2	2	75	4	6	1.7
SpinetoramB	80	4	5	77	8	11	75	4	5	81	5	7	1.1
Spinosad	86	7	8	82	6	8	84	1	1	85	8	10	1.8
Spirodiclofen	35	10	29	67	21	31	83	7	9	86	14	17	6.7
Spiromefesin	80	18	23	90	11	12	88	28	32	110	41	37	5.4
Spirotetramat	53	7	14	70	8	11	74	4	6	88	9	10	3.3
Spiroxamine	82	5	6	88	4	4	87	3	4	90	6	7	1.4
Sulfentrazone	ND			ND			65	5	7	77	14	18	16.6
Tebuconazole	92	9	10	93	3	3	98	5	5	103	10	10	2.3
Tebufenozide		95			88		92	8	8	90	17	19	3.1
Tebufenpyrad	81	5	6	79	6	7	85	4	5	87	8	9	1.5
Tebuthiuron	91	8	8	94	6	7	103	6	6	101	8	8	2.0
Teflubenzuron		ND			ND		83	7	8	96	12	13	19.5
Temephos	82	10	12	86	11	13	82	6	8	92	13	15	2.8
Terbumeton	93	15	17	89	7	8	102	22	21	99	4	4	3.9
Terbutryne	89	7	8	88	5	5	98	7	7	100	11	11	2.0
Tetraconazole	98	13	14	90	9	10	96	9	9	100	7	7	3.2
Thiabendazole	85	6	7	93	6	6	106	5	5	110	13	12	1.7
Thiacloprid	100	10	10	103	6	6	109	8	7	111	12	11	2.4
Thiamethoxam	92	6	6	88	4	5	100	5	5	104	13	13	1.4
Thidiazuron	63	6	9	71	1	2	79	5	7	78	8	11	2.1
Thiobencarb	94	5	5	84	2	3	90	1	2	90	6	6	1.3
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	79	15	19	84	9	11	85	6	7	96	15	16	4.5
Triadimefon	92	2	3	100	3	3	101	11	11	98	10	10	0.6
Triadimenol	98	10	10	92	9	10	99	4	4	103	11	11	2.4
Trichlorfon	90	10	11	84	9	11	87	10	11	98	14	14	2.5
Tricyclazole	95	3	4	91	6	6	105	8	8	107	11	11	0.8
Trifloxystrobin	94	9	9	89	5	5	94	7	7	97	9	9	2.2
Triflumizole	96	11	11	83	9	11	77	5	7	81	14	17	2.6
Triflumuron	108	7	7	98	4	4	99	5	5	96	4	4	1.6
Triticonazole	89	6	7	94	2	2	104	7	7	97	12	13	1.6
Vamidotion	87	7	8	99	8	8	104	7	7	100	12	12	1.8
Zoxamide	85	7	9	87	7	8	91	9	10	91	13	14	2.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Beet													
3-Hydroxycarbofuran	91	7	8	80	8	10	86	9	11	89	5	5	1.8
Acephate	102	11	11	87	5	6	75	5	7	81	6	8	2.5
Acetamiprid	97	9	9	93	6	6	96	9	10	92	5	5	2.2
Acibenzolar-S-methyl	86	9	11	83	7	8	86	4	4	91	3	4	2.5
Alanycarb		77			77		77	6	8	87	9	11	4.7
Aldicarb sulfoxide	87	10	12	78	5	7	81	4	5	89	5	6	2.8
Aldicarb	95	19	20	99	12	12	89	5	6	95	8	9	4.8
Aldoxycarb	96	12	13	87	6	7	92	7	7	98	3	3	3.0
Ametryn	87	6	7	81	3	4	96	8	9	90	6	6	1.6
Aminocarb	91	13	14	75	12	15	70	11	16	86	8	9	3.4
Amitraz		ND			ND			ND		ND			ND
Avermectin B1a 1		ND			107		85	7	8	80	6	8	11.6
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	94	8	9	87	9	11	97	6	7	89	2	2	2.1
Benalaxyl	99	11	11	97	3	3	100	7	7	100	3	3	2.6
Bendiocarb	95	14	15	87	4	5	92	13	14	95	5	5	3.5
Benfuracarb	61	5	9	63	1	2	68	3	4	76	4	5	2.1
Benzoximate	92	16	17	83	2	2	85	9	10	90	4	4	4.1
Bifenazate	35	19	54	41	17	40	41	21	50	65	15	23	12.7
Bitertanol	75	17	23	74	9	12	78	4	5	99	3	3	5.4
Boscalid	98	19	20	79	11	14	85	8	9	82	10	12	4.7
BromuconazoleA	107	24	23	85	4	5	107	9	9	97	3	3	5.3
BromuconazoleB	96	15	16	90	2	2	90	5	6	91	3	4	3.7
Bupirimate	85	7	8	87	9	10	90	5	6	100	6	6	1.9
Buprofezin	93	11	12	93	7	8	83	4	5	91	6	7	2.9
Butafenacil	99	13	13	94	10	10	101	6	6	96	5	6	3.1
Butocarboxim	107	16	15	98	8	8	99	10	11	99	4	4	3.6
Butoxycarboxim	89	8	9	79	3	3	93	3	3	99	4	4	2.2
Carbaryl	92	10	11	70	12	17	69	12	18	82	8	9	2.6
Carbendazim	90	12	13	89	4	5	91	4	5	93	4	5	3.1
Carbetamide	82	13	16	72	13	19	74	15	21	84	5	6	3.9
Carbofuran	104	11	10	96	5	6	104	8	7	101	3	3	2.4
Carboxin	96	14	15	70	10	14	63	11	17	80	8	11	3.5
Carfentrazone-ethyl	95	18	19	93	4	5	108	7	7	96	7	8	4.5
Chlorantraniliprole	61	21	34	73	15	20	79	2	3	95	6	6	8.1
Chlorfluazuron		89			76		72	6	9	86	2	3	2.3
Chlorotoluron	97	11	11	94	10	10	99	5	5	90	2	2	2.6
Chloroxuron	94	11	11	79	6	7	95	17	18	89	5	6	2.6
Clethodim	65	6	10	61	2	3	59	1	1	73	1	2	2.3
Clofentezine		87			80		82	6	8	89	3	3	2.0
Clothianidin	117	14	12	98	10	10	105	8	7	104	2	1	2.8
Cyazofamid	97	10	10	92	2	3	113	16	14	96	7	7	2.5
Cycluron	98	17	17	102	17	17	111	10	9	96	7	8	4.0
Cymoxanil	86	10	12	96	6	7	92	9	10	100	5	5	2.8
CyproconazoleA	81	18	22	80	7	9	87	4	5	91	2	2	5.2
CyproconazoleB	81	16	20	83	6	7	86	8	9	88	1	1	4.8
Cyprodinil	92	37	40	77	11	14	81	8	10	80	3	4	9.5
Cyromazine	42	8	19	41	7	18	44	2	5	52	3	6	4.5
Desmedipham	92	15	16	80	4	5	75	8	11	83	7	9	3.9
Diclobutrazol	101	23	23	84	17	20	81	5	7	90	1	2	5.4
Dicrotophos	89	12	13	81	6	8	92	5	5	99	3	4	3.1
Diethofencarb	91	8	8	83	3	4	98	7	7	93	3	3	2.0
Difenoconazole	91	12	13	86	1	2	86	2	3	94	5	5	3.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL	
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4	
Diflubenzuron	87	28	33	70	7	10	75	7	9	84	5	6	7.7	
Dimethoate	88	15	17	82	5	7	91	4	5	94	3	3	4.0	
DimethomorphA	87	5	6	85	9	10	92	10	11	106	7	7	1.4	
DimethomorphB	97	5	6	88	7	8	93	6	6	101	5	4	1.3	
Dimoxystrobin	94	7	8	83	10	12	90	3	3	99	7	7	1.8	
Diniconazole	116	22	19	81	7	9	78	5	7	89	4	4	4.5	
Dinotefuran	88	16	19	78	6	8	88	4	5	87	5	6	4.4	
Dioxacarb	95	13	14	90	3	4	94	4	4	99	3	3	3.2	
Diuron	94	21	22	89	7	8	101	6	6	88	4	4	5.3	
Doramectin		ND			ND			ND			ND		ND	
Doramectin+NH4		ND			ND			ND			91		ND	
Emamectin	114	18	16	105	10	9	86	3	4	93	2	2	3.7	
E-Fenpyroximate	89	9	11	79	6	7	81	2	3	92	4	4	2.5	
Emamectin benzoate	103	15	15	94	5	5	84	3	3	94	3	3	3.5	
Epoxiconazole	80	13	16	84	6	7	92	11	12	96	3	3	3.8	
Eprinomectin		ND			89		78	10	13	85	14	17	6.0	
Etaconazole	94	17	18	79	8	10	86	6	7	94	5	5	4.1	
Ethaboxam	91	17	18	80	3	3	85	6	7	98	4	4	4.3	
Ethiofencarb	85	12	14	74	13	17	70	12	17	83	8	9	3.3	
Ethiprole	100	23	23	87	9	11	89	12	13	89	8	9	5.4	
Ethirimol	91	35	38	77	10	12	65	8	12	75	5	7	9.0	
Ethofumesate		94		92	6	7	87	3	4	91	4	4	3.3	
Etoxazole	90	12	13	81	2	2	86	6	7	96	3	4	3.0	
Famoxadone	83	9	11	86	6	7	80	4	5	90	3	3	2.5	
Fenamidone	81	6	7	83	10	12	76	2	2	87	4	5	1.6	
Fenarimol		124		99	20	20	77	14	18	82	6	7	6.4	
Fenazaquin	88	10	11	80	2	3	83	3	4	95	4	4	2.6	
Fenbuconazole		85		78	11	14	88	10	12	91	7	8	4.5	
Fenhexamid	64	15	23	56	8	15	59	3	4	65	4	6	5.4	
Fenoxycarb	77	17	22	81	3	3	94	11	12	88	11	13	5.2	
Fenpropimorph		96			92			90			97		4.0	
Fenuron	95	13	14	94	6	7	103	8	8	96	5	5	3.2	
Flonicamid	127	14	11	97	7	7	100	10	10	104	7	7	2.6	
Flubendiamide		ND			82			66			79	16	20	11.3
Fludioxinil		118		97	16	17	86	14	16	95	6	7	4.0	
Flufenacet	90	9	10	91	11	12	99	11	11	93	4	4	2.4	
Flufenoxuron	86	14	17	74	4	5	74	6	8	87	5	5	4.0	
Fluometuron	111	33	30	100	29	29	105	33	32	96	6	7	7.0	
Fluoxastrobin	84	6	7	87	4	4	93	11	11	89	9	11	1.7	
Fluquinconazole	86	12	14	68	7	11	86	7	8	91	7	8	3.3	
Flusilazole	87	12	13	89	6	7	88	3	3	94	8	9	3.1	
Flutolanil	100	21	21	93	7	8	96	13	14	89	7	7	4.9	
Flutriafol	94	13	14	86	4	5	84	6	7	94	3	3	3.2	
Forchlorfenuron	73	9	12	56	9	16	58	15	26	70	8	12	2.8	
Formetanate HCl	ND			ND			ND			ND			ND	
Fuberidazole	82	11	13	68	7	10	65	12	18	82	7	8	3.1	
Furalaxyl	97	12	12	94	8	8	104	7	6	93	5	5	2.8	
Furathiocarb	93	7	8	86	6	7	82	3	4	89	1	1	1.9	
Hexaconazole	89	7	7	90	7	7	86	9	11	87	3	4	1.7	
Hexaflumuron		101			79		84	8	9	90	2	3	6.6	
Hexythiazox	89	11	13	77	9	11	79	5	7	88	4	4	3.0	
Hydramethylnon	83	10	12	50	26	53	40	24	61	64	22	35	2.8	
Imazalil	82	8	9	85	6	7	90	5	6	94	6	7	2.2	
Imidacloprid	99	17	17	102	5	5	103	10	10	90	4	5	4.0	
Indoxacarb		ND			111		103	18	18	101	12	11	11.7	

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	85	14	16	84	6	7	91	7	7	100	2	2	3.8
Iprovalicarb	103	25	24	94	8	9	87	8	9	96	4	5	5.7
Isoprocab	91	8	9	85	8	9	87	7	7	93	2	2	2.1
Isoproturon	87	8	9	80	7	9	91	7	7	91	6	6	2.2
Isoxaflutole	101	13	13	87	4	5	90	10	11	98	4	4	3.1
Ivermectin		ND			ND			ND			108		ND
Ivermectin+NH4		ND			77			73			81		6.8
Kresoxim-methyl		107		94	8	9	94	17	18	84	12	15	4.0
Linuron	94	16	17	87	10	12	98	13	13	86	6	7	4.0
Lufenuron		86			85		75	8	11	90	8	8	8.1
Mandipropamide	98	5	5	88	7	7	93	8	9	95	4	4	1.1
Mefenacet	87	6	7	83	3	3	94	5	6	91	3	4	1.8
Mepanipyrim	90	9	10	76	4	5	90	9	10	91	5	6	2.4
Mepronil	99	17	17	91	9	10	99	7	7	90	2	2	4.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		108			86		83	6	7	98	6	6	2.8
Metalaxyl	75	15	19	83	5	6	93	6	6	95	5	6	4.6
Metconazole		91			89		88	5	5	93	9	9	4.4
Methabenzthiazuron	87	11	13	86	4	5	87	8	9	84	2	3	2.9
Methamidophos	ND			89	2	3	78	4	5	96	3	4	1.5
Methiocarb	91	14	15	92	6	7	107	7	6	89	4	4	3.5
Methomyl	94	12	13	89	8	9	94	2	3	100	1	1	3.0
Methoprotryne	91	15	16	84	4	4	90	9	10	97	5	5	3.8
Methoxyfenozide	102	14	13	93	7	7	105	21	20	93	3	3	3.1
Metobromuron	83	10	12	87	8	9	92	7	8	90	3	3	2.7
Metribuzin	84	15	18	87	4	4	90	5	5	99	7	7	4.2
Mevinphos-E	92	9	10	90	4	4	96	6	7	96	4	4	2.4
Mevinphos-Z	90	10	11	88	4	5	97	7	7	96	4	5	2.6
Mexacarbate		85		81	4	4	85	5	6	96	7	7	2.8
Monocrotophos	89	10	11	83	2	3	86	3	3	97	3	3	2.6
Monolinuron	95	10	10	92	9	10	91	10	11	95	5	5	2.4
Moxidectin		ND			ND			105			93		42.2
Moxidectin+Na		ND			ND			95			88		22.3
Myclobutanil	95	19	19	87	6	7	101	7	7	100	3	3	4.6
Neburon	93	18	19	92	9	10	88	9	11	92	6	7	4.5
Nitenpyram	79	17	21	74	4	5	69	3	5	79	5	6	5.0
Novaluron	82	16	20	78	2	3	92	6	6	101	11	11	4.7
Nuarimol	111	15	14	89	6	6	81	5	6	84	8	10	3.2
Omethoate	78	15	19	76	2	2	83	6	8	100	4	4	4.4
Oxadixyl	95	14	15	75	10	13	82	9	12	89	7	8	3.5
Oxamyl	92	11	12	85	1	1	95	5	5	96	3	3	2.7
Paclobutrazol	87	13	15	89	2	2	91	7	8	92	6	6	3.6
Penconazole		87			84		95	13	14	94	5	5	2.4
Pencycuron	86	14	17	84	6	7	89	6	7	90	6	7	3.9
Phenmedipham	88	10	12	76	8	11	76	9	12	81	4	4	2.8
Picoxystrobin		89		82	14	17	96	17	18	99	6	6	2.5
Piperonyl butoxide	94	12	13	86	4	5	91	1	1	93	2	2	3.0
Pirimicarb	97	12	13	86	4	5	89	6	6	91	2	2	3.0
Prochloraz	87	9	10	86	7	9	87	7	8	98	5	6	2.4
Promecarb	101	12	11	98	9	9	99	14	14	93	5	5	2.7
Prometon	98	8	8	88	7	8	97	4	4	92	4	4	1.9
Prometryne	92	13	14	83	10	11	90	8	9	99	7	7	3.3
Propamocarb	ND			ND			ND			ND			ND
Propargite	97	7	7	85	3	4	89	7	8	96	4	4	1.7
Propham	95	10	10	80	3	3	82	5	6	94	5	6	2.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	92	10	11	82	9	11	86	8	9	92	3	3	2.6
Propoxur	96	15	15	83	6	7	95	8	9	94	1	1	3.6
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	90	12	13	91	4	4	92	8	9	92	4	4	3.0
Pyraclostrobin	92	9	9	83	4	5	89	7	8	92	3	4	2.2
Pyridaben		91			79		82	2	3	91	3	3	3.0
Pyrimethanil	82	11	14	82	6	7	82	8	10	85	2	3	3.2
Pyriproxyfen	92	10	11	78	5	6	83	7	8	86	4	5	2.6
Quinoxifen	79	6	8	72	2	3	75	4	5	87	2	2	1.9
Rotenone	94	6	6	84	5	6	92	6	6	85	5	5	1.4
Secbumeton	90	14	16	88	8	9	94	5	6	94	3	3	3.7
Siduron	84	17	20	88	7	8	89	9	10	88	3	3	4.7
Simetryne	92	11	12	81	3	3	90	6	6	89	4	5	2.9
SpinetoramA	89	11	12	83	4	5	86	4	4	96	3	3	2.9
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	96	10	10	86	2	3	91	4	5	100	3	3	2.5
Spirodiclofen	95	22	23	75	12	16	78	3	4	87	6	7	5.4
Spiromefesin	86	7	8	68	5	8	77	13	16	92	4	4	2.0
Spirotetramat	82	14	17	76	6	8	77	3	4	86	6	7	3.9
Spiroxamine	89	10	11	82	4	5	87	4	4	94	3	3	2.7
Sulfentrazone	113	19	17	87	6	7	78	2	3	90	9	10	4.0
Tebuconazole	101	17	17	85	11	13	79	13	17	81	8	10	3.9
Tebufenozide		101			96		106	15	14	110	10	9	7.1
Tebufenpyrad	98	10	10	89	16	18	88	8	10	97	10	11	2.4
Tebuthiuron	92	14	16	82	5	6	74	10	14	89	8	9	3.7
Teflubenzuron		112			78		76	10	13	85	2	3	6.0
Temephos	102	13	13	83	3	4	81	5	7	92	5	5	3.1
Terbumeton	94	14	14	87	6	7	95	7	7	93	2	2	3.4
Terbutryne	89	10	11	88	3	4	92	6	7	86	6	7	2.7
Tetraconazole	80	13	16	87	6	7	98	6	6	100	7	7	3.9
Thiabendazole	86	12	14	82	10	12	78	11	14	90	6	6	3.4
Thiacloprid	90	13	14	77	9	11	73	11	15	81	8	10	3.4
Thiamethoxam	89	9	10	79	3	4	84	12	15	91	2	2	2.4
Thidiazuron	61	11	18	50	7	14	49	6	12	66	7	11	4.3
Thiobencarb	96	14	15	81	5	6	88	9	10	96	3	3	3.4
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	59	11	19	54	3	6	64	6	10	80	3	4	4.5
Triadimefon	93	17	19	85	8	9	89	6	7	91	6	7	4.4
Triadimenol	87	7	8	78	5	6	87	3	4	99	5	5	2.0
Trichlorfon	93	20	21	69	9	13	68	11	16	85	7	8	5.0
Tricyclazole	90	15	16	87	3	3	91	6	6	93	5	5	3.9
Trifloxystrobin	97	8	8	94	8	9	94	2	2	96	3	3	1.9
Triflumizole	96	7	7	82	5	6	82	6	8	88	9	10	1.6
Triflumuron	86	15	17	80	6	8	82	7	8	89	3	3	4.1
Triticonazole	81	12	15	71	7	10	86	6	7	87	4	4	3.6
Vamidothion	89	15	17	91	3	3	94	2	3	94	4	4	4.1
Zoxamide	87	10	12	82	3	4	82	7	9	86	7	8	2.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Blueberry													
3-Hydroxycarbofuran	86	7	8	97	4	4	105	5	5	98	3	3	1.8
Acephate	88	4	5	86	5	6	91	2	2	84	5	5	1.1
Acetamiprid	87	2	2	94	4	4	108	6	6	93	7	8	0.5
Acibenzolar-S-methyl	96	8	8	97	7	8	104	3	3	96	4	4	1.9
Alanycarb		ND			ND			ND			ND		ND
Aldicarb sulfoxide	93	2	2	96	2	2	96	4	4	84	4	5	0.5
Aldicarb	100	14	14	97	11	11	95	5	5	96	15	15	3.2
Aldoxycarb	96	7	7	96	6	7	102	5	5	96	5	6	1.7
Ametryn	99	5	5	98	5	5	107	7	7	95	5	5	1.2
Aminocarb	80	3	4	82	8	9	86	4	4	84	3	4	0.9
Amitraz		ND			ND			ND		4	1	22	ND
Avermectin B1a 1		160			72		66	19	30	62	11	18	4.1
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	97	4	4	94	6	6	106	8	7	92	3	3	1.1
Benalaxyl	103	12	11	101	7	7	109	5	5	98	6	7	2.7
Bendiocarb	97	7	7	102	3	3	107	7	7	93	6	6	1.7
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	79	8	10	84	9	11	89	9	10	91	8	9	2.5
Bifenazate	28	4	15	18	2	12	10	3	26	10	1	12	3.6
Bitertanol	97	17	18	98	3	3	106	14	13	93	5	5	4.2
Boscalid	112	17	15	101	7	7	111	6	5	104	13	12	3.5
BromuconazoleA	71	11	15	87	8	9	95	5	5	91	2	2	3.6
BromuconazoleB	96	4	4	82	11	13	109	6	5	96	5	5	0.9
Bupirimate	99	12	12	101	6	6	117	15	13	88	8	9	2.8
Buprofezin	101	3	3	104	7	7	108	3	3	96	7	7	0.8
Butafenacil	91	6	7	91	3	3	111	6	6	96	12	12	1.7
Butocarboxim	81	13	16	94	6	7	106	10	10	96	6	7	3.8
Butoxycarboxim	95	2	3	96	3	3	104	3	2	95	5	5	0.6
Carbaryl	89	16	18	99	4	4	104	6	6	96	3	3	4.3
Carbendazim	77	4	5	87	7	8	93	2	2	86	5	6	1.2
Carbetamide	94	14	15	98	6	6	105	3	3	95	5	6	3.5
Carbofuran	138	9	7	147	5	3	149	8	5	135	8	6	1.5
Carboxin	85	15	18	91	6	7	98	5	5	91	5	6	4.2
Carfentrazone-ethyl	86	10	12	92	8	9	102	4	4	82	4	4	2.7
Chlorantraniliprole	80	12	15	99	14	14	95	11	12	101	8	8	3.5
Chlorfluazuron		77			79		70	7	9	66	3	5	3.2
Chlorotoluron	102	13	12	103	4	4	114	2	2	95	10	10	2.9
Chloroxuron	98	18	18	88	9	10	116	10	9	93	7	7	4.2
Clethodim	70	11	15	65	7	11	61	4	7	62	5	7	3.6
Clofentezine		101			115		106	4	4	91	10	11	2.0
Clothianidin	98	10	10	85	13	15	108	11	10	99	6	6	2.4
Cyazofamid	90	10	11	94	11	11	108	6	5	84	8	10	2.7
Cycluron	95	6	6	92	6	7	106	8	8	88	10	11	1.4
Cymoxanil	90	4	5	94	11	11	106	6	5	100	5	5	1.1
CyproconazoleA	91	11	12	92	5	5	106	10	10	99	4	4	2.8
CyproconazoleB	92	9	10	94	7	7	101	3	3	90	4	4	2.3
Cyprodinil	89	7	8	90	6	7	107	7	7	94	2	2	1.8
Cyromazine	21	13	62	37	10	26	34	2	7	36	3	8	14.5
Desmedipham	91	7	7	99	5	5	102	2	2	92	7	8	1.7
Diclobutrazol	95	26	28	95	11	11	107	3	3	96	3	4	6.5
Dicrotophos	90	2	3	93	4	5	104	5	5	95	7	7	0.6
Diethofencarb	96	7	7	98	11	11	109	4	4	90	4	5	1.7
Difenoconazole	87	10	11	87	8	9	98	2	2	93	5	5	2.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	81	6	7	92	11	12	111	8	7	92	3	4	1.6
Dimethoate	104	5	5	105	7	7	105	5	5	96	4	4	1.1
DimethomorphA	103	10	10	100	8	8	108	4	4	95	5	6	2.3
DimethomorphB	85	10	12	82	6	7	116	33	28	94	4	4	2.8
Dimoxystrobin	91	1	1	93	7	7	112	10	9	99	6	6	0.3
Diniconazole	100	11	11	102	11	10	105	4	4	94	9	9	2.6
Dinotefuran	96	3	3	92	6	7	101	4	4	91	3	3	0.7
Dioxacarb	67	3	5	71	5	8	68	2	3	62	3	5	1.1
Diuron	96	11	12	103	12	11	104	5	5	93	11	12	2.8
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			68		ND
Emamectin	121	6	5	112	8	7	120	8	7	95	2	2	1.2
E-Fenpyroximate	84	3	4	89	8	9	85	2	2	87	4	5	0.9
Emamectin benzoate	112	6	5	114	9	8	112	4	3	95	4	5	1.2
Epoxiconazole	88	9	10	98	11	11	102	7	7	89	6	6	2.3
Eprinomectin		97			83		64	8	12	56	5	9	1.9
Etaconazole	85	14	16	99	12	12	108	10	9	94	5	6	3.8
Ethaboxam	99	8	8	103	2	2	101	2	2	93	8	9	1.9
Ethiofencarb	84	6	7	98	11	12	96	4	5	89	4	5	1.6
Ethiprole	101	19	19	100	13	13	111	10	9	89	2	3	4.4
Ethirimol	72	3	4	81	7	9	85	5	6	80	8	10	0.9
Ethofumesate		97		104	20	19	99	5	5	91	11	12	1.9
Etoxazole	77	8	10	80	7	8	82	4	5	79	6	7	2.4
Famoxadone	68	14	21	101	21	21	98	6	6	91	11	12	5.0
Fenamidone	88	7	8	104	8	8	113	7	6	98	1	1	2.0
Fenarimol		94		103	27	26	102	3	3	98	11	11	7.4
Fenazaquin	102	8	7	99	5	5	90	6	7	93	5	6	1.8
Fenbuconazole		102		93	14	16	111	8	7	91	6	7	4.7
Fenhexamid	65	5	8	67	4	6	74	4	6	70	6	9	1.8
Fenoxycarb	88	8	9	92	4	5	108	3	3	94	7	7	2.2
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	96	3	3	93	6	6	102	5	5	102	8	8	0.7
Flonicamid	99	15	15	97	11	11	103	4	4	95	6	6	3.6
Flubendiamide		ND			ND			82		88	25	29	48.6
Fludioxinil		74		82	13	16	122	9	8	104	13	13	7.2
Flufenacet	95	7	8	99	9	9	103	10	9	98	7	7	1.9
Flufenoxuron	69	10	15	73	5	7	75	6	8	73	4	5	3.5
Fluometuron	90	4	4	104	3	3	107	6	5	96	6	6	1.0
Fluoxastrobin	91	5	6	94	1	1	99	4	4	93	9	10	1.4
Fluquinconazole	96	20	21	104	8	8	104	6	6	92	8	8	4.9
Flusilazole	95	18	19	95	7	7	106	8	7	95	5	6	4.5
Flutolanil	94	7	7	98	9	9	112	2	2	85	12	14	1.6
Flutriafol	95	9	9	96	7	7	108	4	4	103	7	7	2.2
Forchlorfenuron	81	8	10	91	6	7	100	6	6	95	8	8	2.4
Formetanate HCl	83	3	4	85	4	5	77	1	2	72	4	5	0.9
Fuberidazole	78	4	5	80	6	8	79	7	9	75	5	7	1.3
Furalaxyl	91	6	7	102	5	5	103	6	5	95	6	7	1.6
Furathiocarb	92	4	5	100	4	4	99	3	3	93	4	4	1.1
Hexaconazole	90	15	16	94	7	7	109	6	5	97	4	4	3.9
Hexaflumuron		89			86		103	16	15	91	12	13	2.3
Hexythiazox	71	3	4	71	5	7	78	4	6	72	10	14	0.9
Hydramethylnon	53	15	28	65	6	9	75	10	13	78	7	9	6.6
Imazalil	117	11	9	106	9	8	101	2	2	90	5	6	2.2
Imidacloprid	96	5	6	97	6	6	99	7	7	85	5	6	1.3
Indoxacarb		ND			71		93	9	9	104	22	21	8.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	85	2	3	90	9	10	104	4	4	97	5	5	0.6
Iprovalicarb	91	6	7	99	6	6	113	5	4	102	6	6	1.5
Isoprocarb	90	6	7	103	6	6	108	5	5	97	7	7	1.6
Isoproturon	108	11	10	105	10	10	107	4	4	96	5	5	2.4
Isoxaflutole	112	20	18	92	14	15	95	10	11	86	2	3	4.3
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		87		111	26	23	115	21	19	79	11	14	3.5
Linuron	131	14	11	123	7	6	115	10	9	97	13	13	2.6
Lufenuron		80			94		88	10	11	83	2	3	4.7
Mandipropamide	84	8	10	91	5	5	104	18	17	90	10	11	2.3
Mefenacet	88	5	6	99	13	13	106	7	7	95	8	8	1.4
Mepanipyrim	98	8	8	93	6	7	105	7	6	79	5	7	1.9
Mepronil	100	5	5	108	14	13	104	6	5	84	9	11	1.3
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		113			94		92	12	13	89	5	5	3.7
Metalaxyl	97	2	2	102	6	5	112	3	3	100	4	4	0.5
Metconazole		82			95		96	4	4	91	7	8	1.6
Methabenzthiazuron	97	8	8	103	9	9	104	8	8	93	4	5	1.9
Methamidophos	75	3	4	79	4	5	81	1	1	79	4	5	1.0
Methiocarb	94	5	5	99	6	6	113	3	3	93	7	7	1.2
Methomyl	129	3	2	132	8	6	141	5	4	133	9	6	0.5
Methoprotryne	96	6	7	98	8	9	108	7	6	97	11	11	1.6
Methoxyfenozide	100	4	4	97	11	11	114	13	12	91	8	9	1.0
Metobromuron	95	9	9	90	15	16	109	6	5	97	7	7	2.2
Metribuzin	114	16	14	102	7	7	104	6	6	91	7	7	3.3
Mevinphos-E	92	3	3	91	9	10	102	3	3	94	6	6	0.8
Mevinphos-Z	100	0	0	102	8	8	106	3	3	100	4	4	0.1
Mexacarbate		100		107	8	7	106	11	10	89	5	5	4.2
Monocrotophos	94	2	2	92	5	6	102	2	2	94	6	7	0.4
Monolinuron	97	6	6	96	3	3	111	5	5	98	5	5	1.5
Moxidectin		ND			ND			95			87		26.3
Moxidectin+Na		ND			ND			90			85		15.7
Myclobutanil	89	22	25	98	13	13	110	15	14	106	10	9	5.8
Neburon	85	13	15	95	8	8	96	4	4	84	9	11	3.6
Nitenpyram	86	5	6	86	6	7	89	6	6	78	4	5	1.4
Novaluron	97	11	11	81	15	18	110	15	14	94	3	3	2.7
Nuarimol	96	11	11	99	17	17	100	9	9	98	3	4	2.6
Omethoate	84	5	6	92	5	5	98	3	3	88	6	7	1.4
Oxadixyl	92	9	9	100	4	4	111	1	1	99	6	6	2.2
Oxamyl	94	8	8	97	5	5	104	3	3	90	5	5	1.9
Paclobutrazol	86	3	4	96	18	18	95	2	3	88	6	6	0.9
Penconazole		90			101		103	5	5	95	11	11	3.4
Pencycuron	89	8	9	99	9	10	103	3	3	91	4	4	2.1
Phenmedipham	95	4	4	99	9	9	102	4	4	92	5	5	1.0
Picoxystrobin		80		85	4	5	108	2	2	94	4	4	2.8
Piperonyl butoxide	86	4	5	97	7	7	106	8	7	93	6	6	1.1
Pirimicarb	84	4	5	89	4	5	97	2	2	93	4	5	1.2
Prochloraz	88	15	17	84	4	4	89	4	5	84	5	6	4.0
Promecarb	97	4	5	100	6	6	115	14	12	96	8	8	1.1
Prometon	95	6	7	98	7	7	107	3	3	96	7	7	1.5
Prometryne	86	14	16	94	8	9	108	10	9	97	5	6	3.8
Propamocarb	136	4	3	117	3	3	91	2	2	75	5	6	0.8
Propargite	84	3	3	90	6	7	89	4	4	83	3	3	0.8
Propham	82	16	19	104	16	15	98	12	12	94	5	5	4.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	112	13	12	107	10	9	104	6	6	96	7	7	2.7
Propoxur	91	4	4	96	3	3	106	5	5	101	5	5	1.1
Pymetrozine	12	1	10	9	1	6	3	2	51	6	1	14	2.2
Pyracarbolid	85	4	5	87	4	4	94	6	6	86	5	5	1.1
Pyraclostrobin	93	3	3	96	9	9	107	3	2	95	6	7	0.7
Pyridaben		80			85		87	3	4	84	5	6	1.3
Pyrimethanil	89	12	13	99	8	8	105	2	2	89	2	2	3.1
Pyriproxyfen	74	1	2	81	6	8	89	3	3	85	4	4	0.5
Quinoxifen	78	8	11	72	4	5	74	3	4	70	4	6	2.5
Rotenone	89	16	18	90	9	10	87	6	7	80	6	7	4.2
Secbumeton	94	1	1	97	8	8	107	3	2	97	7	7	0.2
Siduron	97	4	4	94	7	7	107	7	7	93	12	13	1.0
Simetryne	91	6	7	95	7	7	100	3	3	91	5	5	1.6
SpinetoramA	93	2	3	93	5	5	95	1	1	89	4	5	0.6
SpinetoramB	84	4	5	78	6	8	86	2	2	84	3	3	1.2
Spinosad	95	28	29	90	4	4	100	3	3	92	7	8	6.9
Spirodiclofen	81	7	9	85	8	9	87	5	5	82	7	9	2.1
Spiromefesin	72	11	15	70	9	13	77	13	17	96	21	22	3.4
Spirotetramat	72	9	12	81	8	10	89	4	4	79	7	8	2.9
Spiroxamine	98	1	1	97	3	3	99	3	3	95	5	5	0.3
Sulfentrazone	70	13	19	75	13	17	78	2	3	79	7	8	4.4
Tebuconazole	102	8	8	99	12	12	115	7	6	101	5	5	1.9
Tebufenozide		87			98		112	18	17	104	7	7	2.7
Tebufenpyrad	88	8	10	91	7	8	90	5	5	88	4	4	2.3
Tebuthiuron	84	9	11	86	5	6	94	3	3	92	4	5	2.6
Teflubenzuron		88			79		90	12	13	72	9	12	1.1
Temephos	96	8	8	93	8	8	93	2	2	83	5	6	2.0
Terbumeton	96	6	6	94	7	7	101	6	6	93	4	4	1.4
Terbutryne	92	4	5	96	7	7	99	8	8	91	6	6	1.1
Tetraconazole	91	11	12	81	9	11	104	6	5	91	3	3	2.9
Thiabendazole	71	5	7	74	5	6	74	4	5	72	5	7	1.7
Thiacloprid	79	10	13	97	9	9	107	2	2	98	5	5	3.0
Thiamethoxam	93	3	3	94	3	3	103	3	3	96	5	6	0.8
Thidiazuron	80	10	12	87	12	13	92	9	10	85	3	4	2.9
Thiobencarb	82	6	7	93	12	13	102	5	5	97	6	6	1.7
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	75	5	7	77	4	5	78	8	10	74	5	7	1.6
Triadimefon	98	9	9	90	12	13	109	2	1	93	5	5	2.2
Triadimenol	88	4	5	97	9	9	104	4	4	92	2	2	1.2
Trichlorfon	84	10	12	91	5	6	103	4	4	92	2	2	2.9
Tricyclazole	87	3	3	91	5	6	100	5	5	90	6	7	0.8
Trifloxystrobin	90	10	11	87	3	3	102	7	7	94	6	6	2.7
Triflumizole	97	10	10	93	8	9	91	4	4	83	5	7	2.3
Triflumuron	98	10	10	99	16	16	101	3	3	97	6	7	2.4
Triticonazole	96	12	13	95	13	14	110	8	7	104	11	10	3.0
Vamidothion	96	10	11	95	8	8	108	4	4	101	5	5	2.6
Zoxamide	89	4	4	104	12	11	110	3	3	95	2	2	0.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Broccoli													
3-Hydroxycarbofuran	107	9	9	99	11	11	99	6	6	103	7	7	2.1
Acephate	92	12	14	83	8	10	82	4	5	93	6	7	3.2
Acetamiprid	113	21	18	109	10	9	107	6	6	113	8	7	4.3
Acibenzolar-S-methyl	103	16	15	106	8	8	103	6	6	106	7	6	3.6
Alanycarb		43			39		26	4	16	31	7	23	4.5
Aldicarb sulfoxide	103	13	13	103	7	7	103	7	7	110	6	6	3.0
Aldicarb	101	11	11	111	4	4	97	9	9	107	8	7	2.6
Aldoxycarb	115	16	14	108	9	8	105	6	6	113	11	10	3.3
Ametryn	95	13	14	104	9	9	102	6	6	107	8	8	3.2
Aminocarb	130	13	10	120	9	7	116	6	5	114	11	10	2.3
Amitraz		124			89			47		63	5	9	6.4
Avermectin B1a 1		ND			ND		114	13	11	98	11	11	26.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	98	14	14	105	10	9	104	11	11	112	9	8	3.3
Benalaxyl	87	5	6	101	8	8	105	3	3	113	8	7	1.3
Bendiocarb	105	11	11	108	9	8	107	6	6	116	11	10	2.6
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	94	3	3	88	7	8	94	4	4	94	6	6	0.7
Bifenazate	ND			6	1	14	9	2	25	26	3	13	8.2
Bitertanol	93	9	9	90	16	17	96	11	12	102	10	10	2.2
Boscalid	120	17	15	102	16	16	99	8	8	99	10	11	3.4
BromuconazoleA	110	20	19	108	19	17	107	5	5	108	8	8	4.4
BromuconazoleB	77	9	12	101	10	10	108	8	8	103	10	9	2.8
Bupirimate	91	6	7	99	19	19	107	12	11	103	11	11	1.6
Buprofezin	94	23	24	77	13	16	81	6	7	81	9	11	5.8
Butafenacil	105	13	13	103	4	4	104	8	8	110	9	8	3.0
Butocarboxim	114	18	16	114	2	2	101	4	4	105	8	7	3.8
Butoxycarboxim	105	14	13	109	11	10	107	5	5	112	7	6	3.1
Carbaryl	113	15	13	116	11	9	107	4	3	111	8	7	3.0
Carbendazim	104	15	14	101	10	10	103	6	6	107	7	7	3.3
Carbetamide	118	11	10	107	4	4	104	4	4	107	7	7	2.3
Carbofuran	125	15	12	129	11	8	129	10	8	133	10	7	2.7
Carboxin	82	7	8	88	7	9	89	5	6	90	9	10	1.9
Carfentrazone-ethyl	95	19	20	97	9	9	107	7	7	109	9	9	4.8
Chlorantraniliprole	118	21	18	109	5	5	102	9	9	111	11	10	4.2
Chlorfluazuron		104			95		98	9	9	96	8	8	3.1
Chlorotoluron	107	13	12	111	13	11	112	7	7	115	5	4	2.9
Chloroxuron	90	9	10	95	4	5	98	7	7	105	10	9	2.4
Clethodim	30	5	16	39	4	11	38	4	10	47	4	8	3.9
Clofentezine		107			102		101	7	7	106	6	6	2.2
Clothianidin	ND			101	5	5	99	8	8	105	8	8	2.8
Cyazofamid	106	16	15	102	7	7	109	10	9	102	7	7	3.5
Cycluron	103	19	19	101	3	3	107	8	8	109	12	11	4.4
Cymoxanil	105	21	20	99	3	3	104	5	4	103	9	8	4.7
CyproconazoleA	102	16	16	99	9	9	104	5	5	105	9	8	3.7
CyproconazoleB	105	16	15	101	8	8	103	5	5	106	7	7	3.6
Cyprodinil	103	9	9	104	7	7	105	9	8	107	13	12	2.1
Cyromazine	ND			53	12	23	46	6	12	57	5	9	13.8
Desmedipham	110	10	9	105	10	9	99	4	4	106	9	8	2.0
Diclobutrazol	103	15	14	115	12	10	101	3	3	101	10	9	3.3
Dicrotophos	106	14	13	106	9	8	106	6	6	110	8	7	3.1
Diethofencarb	98	14	14	99	7	7	105	6	5	112	12	11	3.3
Difenoconazole	96	20	20	94	12	13	96	4	4	103	7	7	4.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diffubenzuron	106	18	17	82	12	15	105	9	9	106	6	6	3.9
Dimethoate	118	14	11	97	6	7	104	9	8	106	8	8	2.7
DimethomorphA	106	9	8	94	10	11	101	11	11	102	7	7	1.9
DimethomorphB	97	6	6	105	7	6	95	8	9	103	8	8	1.5
Dimoxystrobin	94	7	7	99	10	10	101	6	6	108	13	12	1.7
Diniconazole	67	7	10	90	6	6	107	11	11	107	8	8	2.3
Dinotefuran	108	12	12	112	10	9	105	5	5	112	13	11	2.7
Dioxacarb	109	13	12	94	8	9	95	4	4	102	9	9	2.9
Diuron	96	12	13	107	12	11	110	7	6	110	12	11	2.9
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			121		ND
Emamectin	132	17	13	102	7	7	94	2	2	89	4	4	3.1
E-Fenpyroximate	104	14	14	97	6	6	97	7	7	102	8	7	3.3
Emamectin benzoate	141	25	17	113	14	13	99	4	4	93	5	5	4.1
Epoxiconazole	111	6	5	115	11	9	105	7	7	105	8	7	1.3
Eprinomectin		ND			ND		100	9	9	101	8	8	20.3
Etaconazole	108	9	8	100	8	8	101	9	9	104	8	8	1.9
Ethaboxam	94	8	8	98	10	10	97	5	5	104	9	9	2.0
Ethiofencarb	99	14	14	93	12	13	96	5	5	105	8	7	3.3
Ethiprole	104	25	24	98	5	5	106	10	10	106	10	10	5.6
Ethirimol	83	7	9	76	5	7	74	3	4	81	7	9	2.1
Ethofumesate		97		108	7	7	106	4	4	110	10	9	3.3
Etoazole	103	12	12	101	3	3	99	7	7	108	7	7	2.8
Famoxadone	126	18	14	99	6	6	97	4	5	106	12	12	3.3
Fenamidone	111	17	16	109	7	7	105	7	7	102	8	8	3.7
Fenarimol		148		91	6	6	107	13	12	112	7	7	2.5
Fenazaquin	116	15	13	111	11	10	106	10	10	110	9	9	3.0
Fenbuconazole		107		103	6	5	105	10	10	107	11	10	3.6
Fenhexamid	52	1	1	51	7	13	44	1	2	59	6	9	0.3
Fenoxycarb	105	16	16	104	8	7	113	8	7	105	12	11	3.7
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	106	12	11	104	10	9	106	4	3	108	8	8	2.6
Flonicamid	ND			105	12	11	108	11	10	107	6	6	6.7
Flubendiamide		ND			ND			78		95	12	13	30.8
Fludioxinil		105		93	13	14	113	13	12	104	5	5	3.4
Flufenacet	96	12	12	104	14	13	112	10	9	112	12	11	2.9
Flufenoxuron	101	10	10	93	10	11	94	7	8	91	3	3	2.3
Fluometuron	108	9	8	103	6	6	111	10	9	118	12	10	1.9
Fluoxastrobin	99	11	12	103	5	4	102	6	6	105	10	10	2.7
Fluquinconazole	111	16	14	95	16	17	92	9	10	100	11	11	3.3
Flusilazole	108	14	13	101	11	10	100	10	10	109	9	9	3.0
Flutolanil	96	10	11	98	11	11	115	5	4	105	7	7	2.5
Flutriafol	97	17	18	115	8	7	106	4	4	107	9	8	4.2
Forchlorfenuron	95	18	19	96	6	7	97	3	3	102	8	8	4.5
Formetanate HCl	105	12	11	102	8	8	87	3	4	95	9	9	2.7
Fuberidazole	90	10	11	76	8	10	73	6	8	78	7	9	2.7
Furalaxyl	99	12	12	106	9	9	106	5	4	111	8	8	2.9
Furathiocarb	104	15	15	96	12	12	103	6	6	109	6	5	3.4
Hexaconazole	115	22	19	102	7	7	101	7	7	107	14	13	4.5
Hexaflumuron		ND			131		88	8	9	93	10	11	10.0
Hexythiazox	108	16	14	98	12	12	105	8	8	105	7	7	3.4
Hydramethylnon	64	15	23	73	7	10	73	6	8	72	7	10	5.4
Imazalil	96	19	20	111	9	8	102	2	2	102	6	6	4.8
Imidacloprid	108	12	11	95	10	11	94	7	8	98	8	8	2.7
Indoxacarb		ND			80		93	10	11	112	13	12	8.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	109	12	11	101	3	3	105	5	4	111	8	7	2.7
Iprovalicarb	90	9	9	103	4	4	105	4	4	111	10	9	2.2
Isoprocarb	111	7	6	107	9	8	108	8	7	112	12	10	1.5
Isoproturon	102	13	13	105	10	9	109	6	6	111	10	9	3.1
Isoxaflutole	ND			111	22	20	86	14	17	93	5	6	11.7
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		106		81	9	11	98	18	19	102	16	16	3.3
Linuron	94	17	18	99	12	12	118	8	7	115	8	7	4.2
Lufenuron		100			103		109	8	7	110	11	10	3.5
Mandipropamide	104	12	11	100	6	6	105	5	5	105	10	9	2.7
Mefenacet	103	8	8	110	12	11	116	8	7	116	6	5	1.9
Mepanipyrim	94	10	11	91	7	8	104	12	12	108	5	5	2.5
Mepronil	102	5	5	107	8	7	111	5	5	106	8	7	1.2
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		117			96		91	8	9	95	9	10	3.2
Metalaxyl	108	14	13	109	6	5	110	4	4	119	9	7	3.1
Metconazole		113			103		98	7	7	101	6	6	4.2
Methabenzthiazuron	101	17	17	108	6	5	105	7	6	109	12	11	3.9
Methamidophos	89	10	12	84	5	6	79	4	5	86	7	8	2.8
Methiocarb	99	11	11	107	12	11	109	6	6	106	7	7	2.6
Methomyl	122	17	14	117	7	6	119	9	7	124	10	8	3.3
Methoprotryne	95	10	11	103	11	11	105	9	8	112	9	8	2.5
Methoxyfenozide	88	15	17	113	8	7	115	5	5	106	12	11	3.9
Metobromuron	102	6	5	106	11	11	108	3	3	115	12	11	1.3
Metribuzin	120	17	14	102	12	12	102	4	4	110	9	8	3.4
Mevinphos-E	112	19	17	97	8	8	99	5	5	106	9	9	4.0
Mevinphos-Z	112	11	10	107	8	8	108	9	8	117	10	9	2.2
Mexacarbate		80		99	5	5	118	5	4	114	12	10	3.9
Monocrotophos	105	14	13	104	7	7	99	6	6	104	8	7	3.0
Monolinuron	100	12	12	112	8	7	107	5	4	115	11	9	2.7
Moxidectin		ND			ND			101			100		42.1
Moxidectin+Na		ND			ND			103			99		19.8
Myclobutanil	99	9	9	90	11	12	102	4	3	110	9	9	2.1
Neburon	94	14	15	91	15	17	99	8	8	102	11	11	3.5
Nitenpyram	84	14	16	85	9	10	86	3	4	84	9	11	3.9
Novaluron	100	13	13	111	15	14	107	12	12	106	8	7	3.1
Nuarimol	89	6	6	89	12	13	97	7	7	105	8	7	1.5
Omethoate	102	10	10	102	8	8	101	4	4	108	9	8	2.3
Oxadixyl	108	9	9	115	9	8	108	4	3	110	9	8	2.0
Oxamyl	108	11	10	108	9	9	108	7	7	108	9	8	2.4
Paclobutrazol	101	8	8	104	9	9	111	10	9	104	10	9	1.9
Penconazole		98			92		105	5	5	110	10	9	2.5
Pencycuron	103	11	10	105	11	10	108	8	7	114	8	7	2.4
Phenmedipham	100	10	10	97	6	7	97	6	6	107	9	8	2.4
Picoxystrobin		111		103	10	9	102	8	8	101	12	12	2.3
Piperonyl butoxide	100	9	9	100	5	5	105	6	6	108	7	6	2.2
Pirimicarb	108	13	12	108	7	7	105	4	4	109	9	9	2.9
Prochloraz	93	13	13	91	4	4	99	6	6	103	10	9	3.2
Promecarb	101	22	21	115	9	8	117	14	12	112	8	7	5.0
Prometon	106	12	12	106	6	6	104	4	4	115	11	9	2.8
Prometryne	92	17	19	88	6	6	104	4	4	110	11	10	4.5
Propamocarb	170	21	12	144	8	5	99	4	4	94	7	7	2.9
Propargite	103	13	13	93	7	7	95	6	6	98	9	9	3.0
Propham	115	15	13	117	11	9	110	10	9	107	9	9	3.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	102	15	14	103	9	9	108	4	3	110	9	8	3.4
Propoxur	114	18	16	110	9	8	109	6	6	111	11	10	3.7
Pymetrozine	86	6	7	83	9	11	77	6	7	83	9	11	1.7
Pyracarbolid	109	15	14	107	8	7	106	5	5	113	10	9	3.3
Pyraclostrobin	100	8	8	102	7	7	103	8	8	112	10	9	1.8
Pyridaben		101			100		98	7	7	104	6	6	3.1
Pyrimethanil	85	15	18	103	15	14	98	3	3	109	8	8	4.2
Pyriproxyfen	102	11	11	97	16	16	106	4	4	107	7	6	2.5
Quinoxifen	107	10	10	100	9	9	94	11	11	105	6	5	2.3
Rotenone	106	21	20	112	6	5	107	11	10	101	7	7	4.6
Secbumeton	104	10	10	107	11	10	106	7	6	111	8	8	2.3
Siduron	102	8	8	98	11	11	104	8	7	112	13	12	1.9
Simetryne	113	19	17	103	7	7	104	5	5	112	6	5	4.0
SpinetoramA	94	21	23	80	10	12	89	8	9	82	6	8	5.3
SpinetoramB	95	15	15	90	9	10	97	3	4	94	5	5	3.6
Spinosad	96	9	9	94	3	3	94	8	8	93	5	6	2.1
Spirodiclofen	93	11	12	82	7	8	82	9	12	87	5	5	2.9
Spiromefesin	154	20	13	115	16	14	123	18	15	119	19	16	3.0
Spirotetramat	69	10	15	63	5	8	71	7	10	83	7	9	3.6
Spiroxamine	100	12	12	102	8	8	102	8	8	108	6	6	2.7
Sulfentrazone	65	7	11	66	11	17	58	6	10	66	1	2	2.6
Tebuconazole	110	17	16	105	2	2	107	2	2	106	6	6	3.7
Tebufenozide		106			102		105	6	5	96	7	7	3.2
Tebufenpyrad	90	15	16	86	7	8	99	6	6	99	8	8	3.9
Tebuthiuron	100	11	11	108	6	6	105	6	6	111	8	7	2.6
Teflubenzuron		ND			111		94	10	11	92	3	4	6.4
Temephos	96	14	14	84	12	14	86	6	7	89	11	13	3.4
Terbumeton	104	9	9	105	12	11	100	5	5	102	7	7	2.1
Terbutryne	97	7	8	105	8	7	100	6	6	107	11	10	1.8
Tetraconazole	116	20	17	101	11	10	102	6	6	101	9	8	4.0
Thiabendazole	105	16	15	87	8	9	87	4	5	96	8	8	3.6
Thiacloprid	114	10	9	110	9	9	111	4	4	110	8	7	2.1
Thiamethoxam	107	15	14	100	7	7	102	6	6	111	6	6	3.3
Thidiazuron	88	17	19	83	6	8	80	6	7	87	6	7	4.6
Thiobencarb	103	4	4	101	4	4	99	13	13	107	12	12	1.0
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	101	15	15	97	6	6	94	3	3	97	10	11	3.4
Triadimefon	109	12	11	114	4	3	101	8	8	102	5	5	2.6
Triadimenol	106	19	18	103	15	15	102	4	4	106	6	6	4.1
Trichlorfon	88	16	18	86	5	6	84	5	6	89	7	8	4.3
Tricyclazole	107	11	10	104	9	9	102	8	8	109	7	7	2.4
Trifloxystrobin	104	16	15	104	6	6	97	8	8	101	7	7	3.5
Triflumizole	92	9	10	81	5	6	86	6	7	83	9	11	2.4
Triflumuron	109	16	15	94	13	14	111	8	8	112	13	12	3.6
Triticonazole	111	16	14	111	15	13	103	5	5	107	8	8	3.3
Vamidothion	106	13	13	95	6	7	103	10	10	104	9	8	3.0
Zoxamide	104	10	9	92	9	10	100	10	10	103	8	8	2.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Cabbage													
3-Hydroxycarbofuran	100	10	10	104	6	6	97	9	9	95	6	6	2.3
Acephate	92	1	1	87	1	1	84	9	11	88	6	7	0.3
Acetamiprid	105	5	5	104	6	6	98	11	11	91	9	10	1.2
Acibenzolar-S-methyl	92	3	4	101	5	5	91	9	10	95	3	3	0.8
Alanycarb		58			56		45	4	10	49	3	5	3.0
Aldicarb sulfoxide	108	2	2	102	5	5	92	9	9	100	5	5	0.5
Aldicarb	102	6	6	102	7	7	98	8	8	95	9	10	1.3
Aldoxycarb	119	5	4	116	3	2	96	11	12	97	5	5	0.9
Ametryn	98	12	13	105	9	8	99	11	11	97	7	7	3.0
Aminocarb	99	5	6	99	6	6	92	12	13	89	7	8	1.3
Amitraz		126			79			67		67	3	4	3.3
Avermectin B1a 1		ND			128		83	7	8	81	10	12	2.8
Avermectin B1b 1		ND			ND			ND			73		ND
Azoxystrobin	95	4	4	101	7	7	102	14	14	91	8	9	0.9
Benalaxyl	101	8	8	96	4	4	92	10	11	95	4	4	1.8
Bendiocarb	106	9	8	115	7	6	105	11	10	96	6	7	1.9
Benfuracarb	33	2	7	23	4	15	19	1	7	17	0	3	1.6
Benzoximate	94	6	6	85	8	10	84	10	12	81	12	15	1.4
Bifenazate	ND			9	1	13	13	1	8	9	1	8	7.9
Bitertanol	96	17	18	103	2	1	85	7	9	90	8	9	4.1
Boscalid	89	11	12	105	10	9	88	7	8	85	8	9	2.9
BromuconazoleA	95	12	12	102	12	12	89	8	9	86	6	7	2.9
BromuconazoleB	101	5	5	110	7	7	84	9	11	84	6	7	1.3
Bupirimate	103	5	5	101	5	5	94	9	9	92	5	5	1.1
Buprofezin	86	9	11	94	8	8	83	4	5	88	4	5	2.5
Butafenacil	86	7	9	103	6	6	99	9	9	96	10	10	2.0
Butocarboxim	96	9	10	103	12	12	107	16	15	96	4	4	2.3
Butoxycarboxim	100	5	5	106	3	2	95	12	12	86	11	12	1.1
Carbaryl	93	8	9	96	3	3	93	12	13	97	6	6	2.0
Carbendazim	104	4	4	102	2	2	96	8	9	94	4	4	0.9
Carbetamide	104	10	10	104	6	6	93	6	7	93	3	4	2.3
Carbofuran	131	5	4	129	4	3	125	15	12	113	4	3	1.0
Carboxin	80	12	15	81	7	8	79	6	8	81	5	6	3.4
Carfentrazone-ethyl	82	5	6	99	7	7	88	10	12	89	6	6	1.5
Chlorantraniliprole	65	10	15	89	13	14	92	20	22	90	7	8	3.6
Chlorfluazuron		128			104		87	4	4	91	4	4	2.7
Chlorotoluron	103	8	8	114	2	1	109	14	13	94	2	3	1.9
Chloroxuron	90	10	11	93	4	5	92	8	8	90	7	8	2.5
Clethodim	42	7	17	40	5	13	39	9	24	34	8	24	4.0
Clofentezine		94			94		87	5	5	89	5	6	1.5
Clothianidin	119	6	5	104	8	8	99	12	13	99	8	8	1.2
Cyazofamid	89	7	8	98	8	8	103	4	4	84	7	9	2.0
Cycluron	101	12	12	105	2	2	102	13	13	96	8	8	2.7
Cymoxanil	98	5	5	98	3	3	90	9	10	91	4	4	1.2
CyproconazoleA	92	6	6	103	5	5	96	6	7	91	7	7	1.5
CyproconazoleB	103	7	7	111	2	1	95	8	8	93	5	6	1.6
Cyprodinil	89	4	4	103	7	6	87	5	6	94	3	3	1.0
Cyromazine	ND			ND			39	10	25	27	9	34	ND
Desmedipham	96	5	5	101	6	6	92	11	12	93	7	8	1.2
Diclobutrazol	99	9	9	108	8	8	94	10	10	88	6	7	2.1
Dicrotophos	99	4	4	100	2	2	93	9	10	94	4	4	1.0
Diethofencarb	100	6	6	105	4	4	100	10	10	100	4	4	1.4
Difenoconazole	91	6	6	102	3	3	86	4	4	97	6	6	1.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL	
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4	
Diflubenzuron	110	8	7	109	13	12	87	9	10	87	3	3	1.7	
Dimethoate	97	6	6	101	5	5	97	9	9	95	7	7	1.4	
DimethomorphA	97	10	10	100	6	6	84	9	11	89	6	6	2.4	
DimethomorphB	90	8	9	96	7	7	83	5	6	90	7	7	2.2	
Dimoxystrobin	102	4	4	99	3	3	94	4	4	90	4	4	0.9	
Diniconazole	94	9	10	100	12	12	88	8	9	91	7	7	2.3	
Dinotefuran	107	12	12	113	12	10	100	9	9	93	9	9	2.7	
Dioxacarb	101	3	3	104	4	4	95	9	9	95	7	8	0.7	
Diuron	103	14	13	103	11	11	107	14	13	85	5	6	3.1	
Doramectin		ND			ND			ND			ND		ND	
Doramectin+NH4		ND			ND			ND			106		ND	
Emamectin	ND			ND			ND			ND			ND	
E-Fenpyroximate	98	5	5	99	5	5	87	6	6	90	5	5	1.2	
Emamectin benzoate	ND			ND			ND			ND			ND	
Epoxiconazole	92	10	11	101	4	4	92	8	9	90	6	6	2.6	
Eprinomectin		110			90		75	5	6	73	5	6	1.7	
Etaconazole	98	8	8	110	14	13	99	7	7	91	5	5	1.9	
Ethaboxam	93	4	4	96	4	5	90	9	10	87	6	7	1.0	
Ethiofencarb	85	14	17	101	5	5	88	12	14	89	3	4	4.0	
Ethiprole	112	10	9	104	4	3	104	12	11	91	5	6	2.2	
Ethirimol	83	3	4	74	3	4	71	8	11	78	6	7	1.0	
Ethofumesate		109		105	6	5	102	17	17	99	5	5	1.6	
Etoazole	98	7	8	101	3	3	88	3	4	87	5	5	1.8	
Famoxadone	78	12	16	83	9	11	82	13	16	84	9	10	3.7	
Fenamidone	91	14	15	92	7	8	93	12	13	91	6	6	3.6	
Fenarimol		86		79	5	6	85	11	13	92	7	7	0.8	
Fenazaquin	100	3	3	100	8	8	86	3	4	93	4	4	0.7	
Fenbuconazole		94		103	8	8	88	4	4	86	6	6	4.7	
Fenhexamid	52	3	5	54	6	11	54	6	10	55	4	7	1.3	
Fenoxycarb	105	13	12	99	5	5	96	8	9	94	11	11	2.8	
Fenpropimorph		ND			ND			ND			ND		ND	
Fenuron	106	6	6	106	1	1	97	10	11	94	7	7	1.3	
Flonicamid	ND			112	12	11	88	6	6	94	6	7	6.6	
Flubendiamide		ND			118			104			98	13	14	14.7
Fludioxinil		48		94	16	17	101	20	20	93	3	3	3.0	
Flufenacet	108	6	6	107	5	5	91	7	8	95	7	7	1.3	
Flufenoxuron	86	9	10	99	8	8	83	4	5	89	7	7	2.4	
Fluometuron	101	5	4	105	7	7	98	11	12	94	3	3	1.1	
Fluoxastrobin	96	6	6	99	5	5	94	8	8	97	6	6	1.4	
Fluquinconazole	128	13	10	106	3	3	91	7	8	89	11	13	2.3	
Flusilazole	103	7	7	111	8	7	94	12	13	89	4	5	1.7	
Flutolanil	100	8	8	101	10	10	107	14	13	80	8	10	1.8	
Flutriafol	105	2	1	101	1	1	96	10	11	94	5	5	0.3	
Forchlorfenuron	83	15	18	93	5	6	92	10	11	82	4	5	4.2	
Formetanate HCl	ND			ND			ND			ND			ND	
Fuberidazole	89	7	7	90	2	2	92	11	12	92	3	4	1.8	
Furalaxyl	99	4	5	101	4	4	100	13	13	96	7	7	1.1	
Furathiocarb	98	10	10	97	3	3	84	6	8	86	4	4	2.4	
Hexaconazole	84	10	12	96	6	7	91	6	7	90	5	6	2.8	
Hexaflumuron		ND			100		82	10	12	85	5	6	6.3	
Hexythiazox	91	6	7	94	9	10	82	7	8	81	3	4	1.5	
Hydramethylnon	69	11	17	54	6	10	50	4	8	49	3	6	3.9	
Imazalil	101	15	15	90	3	3	84	9	11	97	6	6	3.6	
Imidacloprid	104	5	4	99	4	4	101	11	10	95	10	10	1.0	
Indoxacarb		77			104		92	8	9	84	5	5	3.3	

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	99	9	9	98	6	6	86	5	6	87	3	4	2.1
Iprovalicarb	100	10	10	112	2	1	103	9	8	91	6	7	2.4
Isoprocarb	102	10	10	105	4	4	98	13	13	98	6	6	2.4
Isoproturon	105	6	5	108	2	2	107	13	12	94	7	8	1.2
Isoxaflutole	78	5	6	85	6	7	86	12	14	88	5	5	1.5
Ivermectin		ND			ND			85			79		ND
Ivermectin+NH4		ND			ND			82			76		38.6
Kresoxim-methyl		90		114	16	14	107	17	16	87	5	6	4.1
Linuron	82	12	15	92	9	9	107	14	13	95	3	4	3.5
Lufenuron		93			98		94	11	12	97	3	3	3.6
Mandipropamide	92	10	10	101	3	3	96	14	14	87	2	2	2.4
Mefenacet	95	7	7	105	8	7	98	15	15	100	6	7	1.7
Mepanipyrim	96	3	3	102	5	5	98	8	9	90	3	4	0.6
Mepronil	102	5	5	105	4	4	107	14	13	87	5	6	1.1
Mesotrione		ND			ND			ND			73		ND
Metaflumizone		86			93		83	7	9	84	7	9	4.5
Metalaxyl	104	6	6	105	4	4	96	10	11	98	6	6	1.3
Metconazole		102			99		88	7	7	90	5	5	2.1
Methabenzthiazuron	100	6	6	114	9	8	100	7	7	96	2	3	1.4
Methamidophos	ND			ND			76	5	7	82	10	13	16.9
Methiocarb	96	3	4	99	9	9	102	10	10	92	2	3	0.8
Methomyl	113	7	6	119	4	3	112	11	10	108	5	5	1.5
Methoprotryne	104	8	8	101	3	3	96	9	9	93	5	5	1.8
Methoxyfenozide	97	5	5	113	3	3	104	8	8	76	10	13	1.1
Metobromuron	97	7	7	107	8	7	104	14	13	97	7	7	1.6
Metribuzin	125	8	6	117	8	7	100	10	10	96	4	4	1.4
Mevinphos-E	97	7	7	98	5	5	94	10	11	92	4	4	1.6
Mevinphos-Z	74	9	12	84	11	13	103	6	5	101	7	7	2.9
Mexacarbate		104		104	4	3	99	5	5	91	10	11	2.1
Monocrotophos	102	3	3	103	3	3	94	9	10	96	5	6	0.8
Monolinuron	102	10	10	101	5	5	101	11	11	102	7	7	2.4
Moxidectin		ND			ND			90			76		31.1
Moxidectin+Na		ND			ND			87			82		22.0
Myclobutanil	91	5	5	109	4	4	92	11	13	95	6	6	1.2
Neburon	101	3	3	102	7	6	102	11	11	94	6	6	0.7
Nitenpyram	83	4	5	91	7	8	89	8	9	109	3	2	1.2
Novaluron	95	8	8	96	17	18	86	5	5	84	2	2	2.0
Nuarimol	94	10	11	98	10	10	96	15	16	96	7	8	2.5
Omethoate	105	10	9	94	5	5	86	12	15	91	5	5	2.2
Oxadixyl	105	3	3	101	5	5	95	12	12	97	16	16	0.8
Oxamyl	101	7	7	103	3	2	94	9	10	97	5	6	1.7
Paclobutrazol	107	8	7	108	5	5	96	8	8	95	5	5	1.8
Penconazole		89			97		97	5	5	95	6	6	1.5
Pencycuron	95	4	5	97	3	3	93	6	7	90	5	6	1.1
Phenmedipham	90	8	9	101	9	9	90	8	9	90	3	3	2.2
Picoxystrobin		98		101	11	11	93	2	3	90	4	4	1.5
Piperonyl butoxide	99	9	9	99	9	9	88	8	9	90	6	7	2.1
Pirimicarb	98	4	4	108	2	2	102	13	13	99	7	7	1.0
Prochloraz	90	3	4	94	6	6	84	5	6	88	4	4	0.8
Promecarb	94	4	5	112	9	8	115	17	15	99	6	6	1.1
Prometon	102	8	7	108	4	3	97	9	9	95	5	5	1.7
Prometryne	98	5	5	109	9	8	93	9	10	103	8	7	1.3
Propamocarb	ND			ND			ND			ND			ND
Propargite	95	8	8	98	3	4	93	7	7	87	4	5	1.9
Propham	93	10	11	102	10	10	98	15	16	102	4	4	2.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	100	4	4	100	4	4	88	8	9	86	6	7	1.0
Propoxur	104	4	3	101	5	5	99	9	9	102	6	6	0.8
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	102	7	7	107	4	4	111	14	13	101	5	5	1.7
Pyraclostrobin	95	3	4	96	7	7	92	9	10	86	4	5	0.9
Pyridaben		94			98		88	7	7	90	5	6	1.3
Pyrimethanil	96	7	7	97	5	5	91	6	7	92	0	0	1.7
Pyriproxyfen	98	7	7	98	5	5	89	5	5	89	3	4	1.6
Quinoxifen	94	5	5	102	14	14	87	8	9	92	3	3	1.2
Rotenone	100	16	16	97	3	4	95	9	9	87	6	7	3.7
Secbumeton	104	5	5	105	3	3	97	8	8	98	5	5	1.1
Siduron	111	5	4	104	4	4	99	10	11	96	5	6	1.0
Simetryne	100	10	10	105	2	2	100	11	11	96	6	6	2.3
SpinetoramA	94	5	5	91	3	3	76	5	7	84	4	5	1.2
SpinetoramB	90	5	6	89	2	2	75	5	7	81	3	4	1.3
Spinosad	94	4	5	94	4	5	80	5	7	87	4	5	1.1
Spirodiclofen	93	12	13	81	5	6	72	4	5	76	6	7	3.0
Spiromefesin	85	14	17	96	14	14	76	10	13	83	14	17	4.0
Spirotetramat	81	7	8	74	4	5	64	4	7	69	4	6	2.0
Spiroxamine	ND			ND			ND			ND			ND
Sulfentrazone	ND			71	6	9	61	7	11	57	8	14	5.2
Tebuconazole	100	9	9	99	4	4	90	2	3	96	11	12	2.1
Tebufenozide		103			112		103	11	10	82	6	7	2.6
Tebufenpyrad	93	14	15	96	9	9	81	7	8	86	6	7	3.5
Tebuthiuron	89	7	8	94	3	4	92	13	14	96	1	1	1.8
Teflubenzuron		144			103		81	4	5	86	7	8	2.2
Temephos	92	12	13	98	4	4	83	3	4	84	8	10	2.9
Terbumeton	104	5	5	108	3	3	99	8	8	97	7	7	1.2
Terbutryne	101	5	5	105	3	3	104	11	10	94	4	4	1.1
Tetraconazole	84	11	13	97	11	12	91	7	7	92	5	6	3.0
Thiabendazole	96	10	11	99	5	5	88	9	10	89	3	4	2.5
Thiacloprid	104	6	6	104	2	2	95	9	10	100	3	3	1.4
Thiamethoxam	92	10	11	106	3	3	93	9	9	95	4	4	2.7
Thidiazuron	74	8	11	82	3	4	79	10	12	72	3	4	2.6
Thiobencarb	96	10	10	103	6	6	94	8	8	96	4	5	2.4
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	93	6	6	93	2	2	88	9	10	82	10	13	1.5
Triadimefon	94	10	11	104	4	4	98	12	12	98	8	8	2.5
Triadimenol	107	8	8	106	2	2	96	10	11	94	5	5	1.8
Trichlorfon	79	7	9	85	1	2	82	9	11	83	5	6	2.1
Tricyclazole	104	3	2	103	2	2	99	8	8	98	4	4	0.6
Trifloxystrobin	94	3	3	103	4	4	86	6	7	88	3	4	0.7
Triflumizole	91	5	6	91	3	4	81	5	7	84	6	7	1.4
Triflumuron	101	11	11	96	5	6	88	8	9	91	7	8	2.5
Triticonazole	96	13	14	106	6	6	91	9	10	88	9	11	3.2
Vamidothion	99	3	3	96	3	3	95	11	11	97	7	7	0.6
Zoxamide	89	6	7	105	4	4	90	5	6	86	3	4	1.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Carrot													
3-Hydroxycarbofuran	93	6	6	100	2	2	101	5	5	88	8	9	1.4
Acephate	99	7	7	90	2	2	86	5	5	78	6	8	1.6
Acetamiprid	90	6	6	101	2	2	102	5	5	90	7	8	1.4
Acibenzolar-S-methyl	100	5	5	97	1	1	96	5	5	88	8	9	1.1
Alanycarb		105			91		78	2	3	71	5	8	1.6
Aldicarb sulfoxide	120	7	6	102	4	3	94	4	5	82	6	7	1.4
Aldicarb	105	4	4	112	2	2	107	3	3	94	7	7	1.0
Aldoxycarb	98	5	5	104	1	1	104	6	6	91	9	10	1.1
Ametryn	101	5	5	96	4	5	96	12	13	80	6	8	1.2
Aminocarb	ND			55	7	12	55	7	13	41	7	16	7.1
Amitraz		ND			ND			ND		50	20	40	ND
Avermectin B1a 1		ND			ND		ND			161	19	12	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	89	7	7	97	4	4	100	7	7	88	7	8	1.7
Benalaxyl	103	5	5	102	2	2	99	8	8	90	5	5	1.2
Bendiocarb	101	11	11	111	4	4	111	6	5	98	10	11	2.6
Benfuracarb	61	8	14	67	3	4	65	5	7	59	5	8	3.2
Benzoximate	108	15	14	105	6	5	103	7	7	85	6	7	3.3
Bifenazate	64	13	20	73	1	2	77	4	5	82	5	6	4.7
Bitertanol	93	11	12	87	5	5	88	4	5	85	5	5	2.8
Boscalid	105	15	15	107	6	5	94	10	11	85	7	8	3.4
BromuconazoleA	101	9	9	96	7	7	95	3	3	84	10	11	2.0
BromuconazoleB	99	13	13	99	3	3	95	4	5	87	5	6	3.1
Bupirimate	95	8	8	104	2	1	96	4	4	87	8	9	1.9
Buprofezin	90	2	2	103	3	3	96	15	15	92	4	5	0.6
Butafenacil	86	7	8	96	4	5	97	6	7	90	7	7	1.9
Butocarboxim	91	6	6	97	6	6	100	8	8	89	8	9	1.4
Butoxycarboxim	101	8	8	103	1	1	102	8	8	91	8	8	1.8
Carbaryl	111	8	7	104	5	5	97	7	7	96	9	9	1.7
Carbendazim	ND			ND			ND			ND			ND
Carbetamide	100	8	8	96	4	4	96	5	5	92	8	9	1.9
Carbofuran	59	2	3	89	4	4	99	7	7	92	9	10	0.8
Carboxin	101	7	7	94	5	5	93	7	7	93	8	9	1.7
Carfentrazone-ethyl	84	14	17	97	5	5	95	6	6	86	9	11	3.9
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		86			93		91	11	12	88	5	5	1.9
Chlorotoluron	99	12	12	100	1	1	101	8	8	89	8	9	2.9
Chloroxuron	92	11	12	98	5	5	95	7	7	84	8	9	2.7
Clethodim	86	9	11	71	4	6	64	5	8	56	7	13	2.6
Clofentezine		116			104		98	6	6	97	8	8	3.4
Clothianidin	97	7	7	106	8	8	99	5	5	87	8	9	1.7
Cyazofamid	99	16	16	113	10	8	108	6	6	89	5	6	3.7
Cycluron	93	9	10	102	4	4	101	7	7	84	8	10	2.2
Cymoxanil	114	6	6	105	5	4	96	4	4	91	9	10	1.3
CyproconazoleA	90	6	7	88	8	9	88	8	9	80	6	7	1.7
CyproconazoleB	96	8	8	94	6	7	92	8	9	86	8	9	1.9
Cyprodinil	102	8	7	101	7	7	97	6	6	89	7	8	1.8
Cyromazine	ND			ND			ND			ND			ND
Desmedipham	309	7	2	193	6	3	140	12	8	110	9	8	0.5
Diclobutrazol	95	9	9	102	4	4	96	5	6	89	7	8	2.1
Dicrotophos	102	8	8	98	4	4	95	8	9	87	8	9	1.8
Diethofencarb	96	9	9	107	2	2	107	6	5	89	7	7	2.1
Difenoconazole	91	5	5	93	4	4	92	8	8	91	6	7	1.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diffubenzuron	85	10	12	103	7	6	101	7	7	94	9	10	2.8
Dimethoate	97	8	9	102	3	3	102	6	6	88	7	8	2.1
DimethomorphA	111	12	11	101	4	4	88	5	5	88	8	10	2.5
DimethomorphB	88	8	9	91	8	9	93	6	6	89	9	10	2.0
Dimoxystrobin	95	9	10	104	5	5	99	6	6	89	6	7	2.3
Diniconazole	99	6	6	94	3	3	94	4	4	87	6	7	1.4
Dinotefuran	83	8	9	98	2	2	100	7	7	85	8	9	2.2
Dioxacarb	102	6	6	104	3	3	101	7	7	90	7	7	1.4
Diuron	99	6	7	114	8	7	111	4	4	86	7	9	1.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	87	5	6	88	3	3	96	11	11	93	6	6	1.4
E-Fenpyroximate	99	5	5	95	3	3	86	5	5	88	7	8	1.1
Emamectin benzoate	86	4	5	90	3	3	101	11	11	93	6	6	1.2
Epoxiconazole	82	19	23	87	5	6	94	3	3	88	8	9	5.5
Eprinomectin		95			100		98	12	12	92	7	8	1.3
Etaconazole	121	7	5	107	7	7	97	6	6	89	9	10	1.3
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	86	9	11	99	4	4	96	7	8	94	8	9	2.5
Ethiprole	91	5	6	100	5	5	102	5	5	85	8	10	1.3
Ethirimol	ND			ND			ND			ND			ND
Ethofumesate		99		103	5	5	103	6	6	84	9	10	1.4
Etoxazole	93	8	8	98	1	1	93	7	8	90	6	7	2.0
Famoxadone	117	5	4	106	6	6	94	5	5	86	4	5	0.9
Fenamidone	96	10	10	96	4	4	96	4	4	90	9	10	2.4
Fenarimol		69		79	21	26	97	12	12	86	9	10	2.6
Fenazaquin	112	11	10	97	4	4	81	9	11	89	12	13	2.4
Fenbuconazole		68		81	9	11	94	6	7	83	6	7	1.6
Fenhexamid	79	8	10	79	3	4	72	2	3	65	6	9	2.3
Fenoxycarb	109	10	9	113	3	2	104	8	8	87	5	6	2.2
Fenpropimorph		56			59			92			98		4.6
Fenuron	88	5	6	98	4	4	101	8	8	90	6	7	1.3
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND			ND		ND
Fludioxinil		68		100	21	21	104	12	12	87	10	12	8.5
Flufenacet	108	10	9	107	4	3	103	6	6	95	6	7	2.2
Flufenoxuron	100	2	2	95	6	6	92	8	8	93	8	8	0.4
Fluometuron	82	3	4	99	11	11	107	7	7	93	7	7	0.9
Fluoxastrobin	112	11	10	102	2	2	98	6	6	91	8	9	2.4
Fluquinconazole	96	12	12	93	9	9	89	7	8	84	5	6	2.9
Flusilazole	89	10	12	95	3	3	98	6	6	89	7	8	2.8
Flutolanil	81	8	10	105	2	2	109	3	3	89	7	8	2.5
Flutriafol	95	11	12	96	5	5	91	5	5	86	9	10	2.7
Forchlorfenuron	98	6	6	90	1	1	88	6	7	83	7	9	1.5
Formetanate HCl	ND			ND			ND			ND			ND
Fuberidazole	ND			ND			ND			ND			ND
Furalaxyl	82	9	11	99	5	5	101	7	7	84	7	9	2.6
Furathiocarb	301	15	5	190	8	4	120	9	8	114	7	6	1.1
Hexaconazole	89	13	14	90	8	8	90	6	6	84	7	8	3.4
Hexaflumuron		108			99		94	14	14	86	14	17	3.7
Hexythiazox	93	5	6	95	4	4	92	9	9	89	8	9	1.3
Hydramethylnon	61	9	15	66	2	3	78	3	4	79	6	7	3.5
Imazalil	ND			ND			ND			ND			ND
Imidacloprid	92	5	5	98	3	3	102	9	9	87	7	8	1.2
Indoxacarb		94			85		93	8	8	96	8	8	3.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	80	5	7	90	5	5	93	4	5	88	7	8	1.6
Iprovalicarb	94	8	9	99	3	3	94	9	9	91	7	7	2.1
Isoprocarb	107	7	7	101	4	4	101	3	3	93	7	8	1.6
Isoproturon	98	7	8	102	6	6	100	4	4	91	6	7	1.8
Isoxaflutole	ND			ND			107	16	15	89	3	3	35.9
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		118			104			94			101		2.0
Kresoxim-methyl		95		110	8	7	115	15	13	97	6	6	5.9
Linuron	100	28	28	109	6	6	104	8	8	89	7	7	6.7
Lufenuron		114			97		87	13	15	90	6	7	1.9
Mandipropamide	89	13	15	100	2	2	103	6	6	88	8	9	3.4
Mefenacet	93	6	6	100	2	2	100	5	5	87	7	8	1.4
Mepanipyrim	84	6	7	100	7	7	101	8	8	89	6	6	1.6
Mepronil	86	6	7	100	3	3	102	3	3	85	5	6	1.6
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	99	5	5	99	3	3	98	7	7	88	8	9	1.1
Metconazole		94			95		90	5	5	84	5	6	2.1
Methabenzthiazuron	93	10	11	101	3	3	105	7	7	86	6	7	2.6
Methamidophos	94	8	9	90	3	3	87	4	5	77	7	9	2.1
Methiocarb	89	8	9	109	2	2	110	8	7	91	8	8	2.0
Methomyl	94	5	6	100	1	1	101	6	6	90	7	7	1.4
Methoprotryne	87	5	6	101	5	5	102	5	5	92	10	11	1.4
Methoxyfenozide	82	3	3	105	3	3	103	7	7	84	6	7	0.8
Metobromuron	102	10	10	108	2	2	105	8	7	92	9	10	2.3
Metribuzin	97	7	8	97	3	3	98	9	9	90	9	10	1.8
Mevinphos-E	90	7	8	103	4	4	105	6	6	93	8	9	1.8
Mevinphos-Z	88	3	4	100	2	2	101	6	6	90	7	8	0.9
Mexacarbate		ND			ND			ND			ND		ND
Monocrotophos	133	10	8	86	2	2	67	5	8	58	4	6	1.8
Monolinuron	94	4	4	98	1	1	106	7	6	94	8	9	1.0
Moxidectin		ND			ND			105			92		29.8
Moxidectin+Na		ND			ND			91			90		23.4
Myclobutanil	112	16	15	96	4	4	91	6	6	87	11	12	3.4
Neburon	85	5	6	102	2	2	99	9	9	85	6	7	1.4
Nitenpyram	93	13	14	87	6	6	81	12	15	69	10	14	3.2
Novaluron	108	11	10	94	6	7	90	4	5	86	6	7	2.4
Nuarimol	88	6	6	93	4	5	97	2	2	86	6	8	1.5
Omethoate	98	8	8	97	2	2	94	5	5	80	6	7	2.0
Oxadixyl	101	9	9	99	2	2	97	6	6	91	8	9	2.2
Oxamyl	104	7	7	100	2	2	98	5	5	87	7	8	1.6
Paclobutrazol	101	7	7	94	10	11	95	6	6	88	6	7	1.7
Penconazole		83			93		97	6	6	86	6	7	4.6
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	293	10	3	182	5	2	132	5	4	114	10	9	0.8
Picoxystrobin		100		108	13	12	99	8	8	85	8	9	3.7
Piperonyl butoxide	95	9	9	97	4	4	96	8	8	88	6	7	2.1
Pirimicarb	ND			ND			ND			ND			ND
Prochloraz	92	8	8	90	3	4	91	6	7	86	7	8	2.0
Promecarb	81	11	13	103	4	4	108	4	4	87	6	7	3.1
Prometon	ND			ND			ND			ND			ND
Prometryne	102	8	8	107	1	1	101	9	9	90	7	8	1.9
Propamocarb	ND			ND			ND			ND			ND
Propargite	101	2	2	102	4	4	97	6	6	94	6	6	0.6
Propham	118	18	15	105	11	11	104	6	6	96	6	6	3.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	96	7	7	99	5	5	96	5	5	89	7	8	1.7
Propoxur	103	13	13	107	2	2	105	7	6	92	8	9	3.1
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	91	5	5	96	3	3	101	6	6	88	8	9	1.2
Pyraclostrobin	93	6	7	103	3	3	98	10	10	91	6	7	1.6
Pyridaben		97			96		90	8	9	88	6	7	1.5
Pyrimethanil	105	7	7	105	4	4	101	7	7	93	6	6	1.6
Pyriproxyfen	100	8	8	98	5	5	95	8	8	90	6	6	1.8
Quinoxifen	87	7	8	94	4	4	92	10	10	89	5	5	1.8
Rotenone	107	10	9	99	2	2	94	2	2	87	6	6	2.2
Secbumeton	ND			ND			ND			ND			ND
Siduron	90	10	11	104	5	5	104	7	7	87	7	8	2.7
Simetryne	ND			ND			ND			ND			ND
SpinetoramA	ND			ND			ND			ND			ND
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	95	4	4	89	8	10	79	8	11	83	6	7	1.0
Spirodiclofen	ND			139	3	2	93	14	15	100	10	10	1.4
Spiromefesin	99	8	8	103	3	3	103	8	8	94	8	8	1.9
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	93	2	2	87	6	7	88	7	8	78	8	10	0.5
Sulfentrazone	76	5	7	67	5	7	66	4	6	61	8	12	1.7
Tebuconazole	94	6	6	94	2	2	95	8	9	89	9	11	1.5
Tebufenozide		88			102		102	3	3	89	7	8	3.0
Tebufenpyrad	85	8	10	93	3	3	93	13	14	91	6	7	2.3
Tebuthiuron	105	5	5	99	4	4	95	6	6	89	10	11	1.1
Teflubenzuron		ND			107		93	13	14	89	7	8	0.5
Temephos	ND			ND			ND			ND			ND
Terbumeton	ND			ND			ND			ND			ND
Terbutryne	89	5	5	103	2	2	101	8	8	82	5	6	1.3
Tetraconazole	88	10	11	99	2	2	96	5	5	86	7	8	2.6
Thiabendazole	ND			ND			ND			ND			ND
Thiacloprid	89	9	10	93	9	10	96	5	5	89	8	9	2.5
Thiamethoxam	99	5	6	99	3	3	97	4	4	88	6	7	1.3
Thidiazuron	133	12	9	96	3	3	83	7	9	78	5	7	2.2
Thiobencarb	101	8	8	99	6	6	95	7	7	88	7	8	1.9
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	280	8	3	175	4	2	120	9	7	104	10	9	0.6
Triadimefon	92	16	17	93	4	4	95	4	4	85	7	8	4.1
Triadimenol	99	6	6	93	7	8	92	1	1	85	9	10	1.4
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	103	6	6	100	3	3	99	6	6	87	6	7	1.4
Trifloxystrobin	89	8	10	101	1	1	98	9	9	91	6	7	2.2
Triflumizole	127	4	3	112	3	2	89	11	12	92	6	6	0.8
Triflumuron	97	5	5	95	4	4	98	9	9	95	8	8	1.1
Triticonazole	98	13	13	97	6	6	94	2	2	90	7	7	3.0
Vamidothion	92	5	6	93	5	5	95	3	3	87	9	10	1.4
Zoxamide	112	8	7	108	4	4	104	9	8	91	6	6	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Corn													
3-Hydroxycarbofuran	105	12	11	84	12	14	94	9	9	85	7	8	2.6
Acephate	93	14	15	78	7	9	79	2	3	82	6	7	3.5
Acetamiprid	102	12	12	87	9	10	93	10	11	87	7	8	2.7
Acibenzolar-S-methyl	98	15	15	85	11	13	94	7	7	96	10	10	3.6
Alanycarb		78			54		76	17	23	66	3	4	1.7
Aldicarb sulfoxide	94	26	27	87	13	15	93	11	12	90	7	8	6.4
Aldicarb	97	9	10	90	6	6	101	12	11	90	9	10	2.3
Aldoxycarb	105	9	9	87	10	11	100	6	6	93	6	6	2.0
Ametryn	97	11	12	86	5	6	95	10	10	91	14	15	2.7
Aminocarb	100	10	10	88	16	18	94	6	6	86	9	10	2.4
Amitraz		ND			ND			ND		ND			ND
Avermectin B1a 1		ND			92		81	9	11	75	3	4	1.5
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	98	12	12	82	12	14	92	9	10	85	7	8	2.8
Benalaxyl	100	11	11	86	8	9	93	12	13	89	7	8	2.5
Bendiocarb	100	16	16	87	11	13	97	8	8	87	6	7	3.7
Benfuracarb	95	15	16	81	5	6	80	27	33	86	4	4	3.6
Benzoximate	82	9	11	82	16	19	87	7	9	91	6	7	2.7
Bifenazate	88	22	25	82	8	10	98	6	7	81	5	6	6.0
Bitertanol	92	13	14	82	21	25	102	2	2	90	7	8	3.4
Boscalid	96	13	13	84	8	10	91	9	10	82	15	19	3.2
BromuconazoleA	86	27	32	81	21	26	97	7	8	85	4	5	7.4
BromuconazoleB	103	14	14	86	13	15	87	9	11	87	8	9	3.2
Bupirimate	95	18	19	80	12	15	110	4	4	79	9	12	4.4
Buprofezin	90	15	17	86	7	9	91	6	6	96	11	11	4.0
Butafenacil	86	15	17	78	12	15	91	7	7	94	5	5	4.0
Butocarboxim	98	11	11	85	8	9	94	6	6	93	12	13	2.6
Butoxycarboxim	103	9	9	88	8	9	96	8	9	91	8	8	2.1
Carbaryl	98	16	16	79	8	10	94	4	5	86	8	9	3.8
Carbendazim	100	16	16	85	3	4	92	9	10	84	8	10	3.7
Carbetamide	103	17	17	91	7	8	95	6	7	86	7	9	3.9
Carbofuran	137	13	10	121	11	9	126	3	3	137	26	19	2.3
Carboxin	95	12	12	83	4	4	92	6	7	86	6	7	2.9
Carfentrazone-ethyl	104	21	20	83	15	18	87	8	9	82	5	6	4.7
Chlorantraniliprole	157	42	27	92	17	19	85	12	14	85	12	14	6.4
Chlorfluazuron		95			82		94	7	8	94	8	8	4.1
Chlorotoluron	101	10	10	83	8	9	96	10	10	94	14	15	2.4
Chloroxuron	91	9	9	85	13	15	103	8	8	93	12	13	2.2
Clethodim	68	9	13	56	4	7	56	4	7	68	6	8	3.1
Clofentezine		92			78		90	14	15	79	9	11	1.6
Clothianidin	95	24	26	92	10	10	96	3	3	89	6	7	6.0
Cyazofamid	119	31	26	94	6	6	90	10	11	73	10	13	6.1
Cycluron	91	10	11	77	4	5	81	10	12	91	14	16	2.6
Cymoxanil	93	9	9	82	5	6	95	8	8	95	10	11	2.2
CyproconazoleA	94	16	17	76	8	10	90	3	4	87	9	10	3.9
CyproconazoleB	106	15	14	82	6	7	90	6	6	92	7	8	3.4
Cyprodinil	79	50	64	66	5	7	91	11	12	81	8	10	15.0
Cyromazine	55	6	11	45	6	12	48	9	18	50	5	9	2.7
Desmedipham	91	11	12	77	6	8	90	7	8	82	7	8	2.8
Diclobutrazol	104	42	41	80	31	39	98	14	14	91	9	10	9.5
Dicrotophos	103	10	10	84	15	18	96	6	7	87	7	8	2.2
Diethofencarb	106	13	12	91	7	8	91	10	10	92	11	12	2.9
Difenoconazole	106	19	18	82	8	10	93	4	4	92	8	8	4.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL	
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4	
Diflubenzuron	92	23	25	71	3	4	94	5	5	78	9	11	5.9	
Dimethoate	97	16	17	85	5	6	90	8	9	96	12	13	3.9	
DimethomorphA	103	15	15	84	8	10	96	7	7	89	5	5	3.5	
DimethomorphB	101	9	9	82	6	8	90	4	5	92	10	11	2.2	
Dimoxystrobin	98	16	16	78	6	8	93	12	12	96	8	8	3.7	
Diniconazole	102	10	10	76	10	13	84	6	7	84	10	12	2.4	
Dinotefuran	100	11	11	82	7	8	91	9	10	87	12	14	2.5	
Dioxacarb	102	12	12	83	8	10	91	6	6	89	7	8	2.7	
Diuron	99	12	12	79	9	12	94	11	12	102	28	28	2.9	
Doramectin		ND			ND			ND			ND		ND	
Doramectin+NH4		ND			ND			ND			77		ND	
Emamectin	143	20	14	108	5	4	115	11	9	97	6	7	3.2	
E-Fenpyroximate	94	5	5	86	6	7	95	8	9	93	7	8	1.3	
Emamectin benzoate	135	8	6	115	6	5	106	9	9	92	5	6	1.4	
Epoxiconazole	100	7	7	77	10	12	95	6	6	94	7	7	1.7	
Eprinomectin		110			82		94	5	5	97	13	14	3.0	
Etaconazole	109	20	18	83	13	16	100	7	7	88	7	8	4.3	
Ethaboxam	92	12	13	72	7	10	87	12	13	87	5	6	3.0	
Ethiofencarb	100	12	12	82	7	9	93	7	7	91	7	7	2.9	
Ethiprole	100	26	26	82	10	12	91	13	14	99	15	15	6.1	
Ethirimol	76	14	19	60	3	5	72	3	4	71	8	11	4.4	
Ethofumesate		103		86	4	5	92	2	3	103	2	2	2.7	
Etoxazole	100	11	11	85	11	13	97	7	7	93	5	6	2.6	
Famoxadone	100	11	11	75	7	9	109	19	18	96	6	6	2.7	
Fenamidone	95	15	16	80	7	9	91	11	13	88	6	7	3.8	
Fenarimol		103		70	8	12	80	9	12	80	7	9	5.0	
Fenazaquin	91	10	10	78	7	9	87	6	7	81	4	5	2.5	
Fenbuconazole		96		86	7	8	94	7	8	86	8	10	6.6	
Fenhexamid	88	13	15	59	10	17	59	9	16	59	7	12	3.5	
Fenoxycarb	94	10	11	82	5	6	88	6	7	85	9	11	2.6	
Fenpropimorph		98			84			91			91		3.8	
Fenuron	92	7	7	85	7	8	94	8	9	85	8	9	1.8	
Flonicamid	ND			93	7	8	92	8	9	94	12	13	4.7	
Flubendiamide		ND			72			70			83	7	9	18.5
Fludioxinil		131		97	19	19	91	8	9	79	13	17	2.6	
Flufenacet	97	19	20	79	13	16	101	12	12	89	11	13	4.7	
Flufenoxuron	77	11	15	80	6	7	101	10	10	107	7	6	3.5	
Fluometuron	97	41	42	92	35	38	93	5	6	92	6	7	9.8	
Fluoxastrobin	102	16	16	82	13	16	87	5	5	94	16	17	3.7	
Fluquinconazole	94	11	12	80	13	16	90	11	12	92	10	11	2.8	
Flusilazole	112	7	6	85	6	7	98	10	10	90	9	10	1.4	
Flutolanil	111	17	16	81	7	8	98	14	14	91	12	14	3.7	
Flutriafol	101	9	9	88	13	15	97	12	13	91	5	6	2.1	
Forchlorfenuron	80	11	14	69	5	7	81	6	7	76	6	8	3.3	
Formetanate HCl	83	14	16	57	3	5	57	4	8	52	5	10	3.9	
Fuberidazole	85	12	13	81	6	7	96	7	8	88	6	7	3.2	
Furalaxyl	105	20	19	92	10	10	99	8	8	93	12	13	4.5	
Furathiocarb	39	8	20	23	3	13	53	17	31	12	2	13	4.8	
Hexaconazole	91	21	23	74	9	12	87	9	10	86	5	6	5.5	
Hexaflumuron		116			94		85	6	7	79	4	6	2.3	
Hexythiazox	93	6	7	78	6	8	99	10	10	89	7	7	1.5	
Hydramethylnon	92	13	14	79	5	6	97	5	5	94	12	13	3.2	
Imazalil	98	12	13	90	7	8	99	5	5	85	6	7	3.0	
Imidacloprid	102	12	12	84	9	11	93	6	6	97	11	11	2.7	
Indoxacarb		174			119		91	9	10	80	8	10	1.4	

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	82	7	8	84	4	5	88	6	7	85	8	9	2.0
Iprovalicarb	103	16	15	84	15	18	98	9	9	91	11	12	3.6
Isoprocarb	94	12	13	84	10	12	95	6	6	85	8	9	3.0
Isoproturon	95	10	11	85	9	11	102	7	7	93	12	13	2.5
Isoxaflutole	100	17	17	82	11	14	83	9	11	83	9	11	4.1
Ivermectin		ND			ND			ND			90		ND
Ivermectin+NH4		ND			ND			99			94		15.2
Kresoxim-methyl		95		77	8	10	89	19	22	99	14	14	5.3
Linuron	53	3	6	74	9	12	93	13	14	87	13	15	1.5
Lufenuron		109			85		89	12	14	91	8	9	3.1
Mandipropamide	99	11	12	86	5	5	104	5	5	87	9	10	2.7
Mefenacet	85	18	21	74	6	8	93	11	12	83	12	15	4.9
Mepanipyrim	113	11	10	90	9	10	98	13	13	76	6	8	2.3
Mepronil	102	11	10	73	7	9	83	7	9	89	19	21	2.4
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		87			81		94	9	10	91	5	6	3.2
Metalaxyl	110	20	19	83	14	17	99	9	9	93	6	7	4.4
Metconazole		86			73		92	10	11	94	6	6	3.8
Methabenzthiazuron	106	17	16	86	11	12	89	12	14	79	6	7	3.8
Methamidophos	ND			81	6	8	80	5	7	76	5	6	4.5
Methiocarb	99	15	15	85	7	8	88	9	10	89	15	16	3.5
Methomyl	111	6	6	92	14	16	104	13	12	100	8	8	1.3
Methoprotryne	100	13	13	88	12	13	96	10	10	91	11	12	3.0
Methoxyfenozide	97	10	11	85	17	20	108	12	11	86	7	8	2.5
Metobromuron	91	8	9	80	11	14	91	7	7	86	6	7	2.1
Metribuzin	99	14	14	82	12	15	95	9	9	90	7	7	3.3
Mevinphos-E	108	15	14	88	9	11	97	9	10	90	11	12	3.3
Mevinphos-Z	115	14	12	94	10	10	102	8	8	124	19	15	2.9
Mexacarbate		101		85	9	11	95	5	6	89	9	10	2.2
Monocrotophos	95	11	12	86	11	13	93	8	9	95	10	10	2.8
Monolinuron	93	9	9	78	10	12	93	7	8	83	6	8	2.2
Moxidectin		ND			ND			104			86		25.3
Moxidectin+Na		ND			ND			99			77		24.4
Myclobutanil	100	14	14	73	9	12	82	8	10	96	16	17	3.3
Neburon	102	12	12	80	9	11	86	6	7	94	18	19	2.9
Nitenpyram	76	15	20	76	9	12	88	3	4	77	7	8	4.7
Novaluron	99	32	32	80	9	11	82	5	6	95	14	15	7.6
Nuarimol	91	14	16	69	12	17	90	4	4	77	7	9	3.7
Omethoate	92	12	13	76	13	18	86	8	10	86	9	10	3.0
Oxadixyl	108	14	13	77	21	27	93	6	7	88	8	9	3.0
Oxamyl	99	13	13	85	6	7	93	6	7	86	10	11	3.1
Paclobutrazol	97	15	16	85	7	8	98	8	8	92	9	10	3.7
Penconazole		110			84		94	12	13	98	9	9	5.8
Pencycuron	99	8	8	85	10	12	98	9	9	96	5	6	1.8
Phenmedipham	94	2	2	83	6	8	89	8	9	83	10	12	0.6
Picoxystrobin		94		82	10	12	97	13	13	66	9	14	3.6
Piperonyl butoxide	101	9	9	82	6	8	89	7	8	85	6	7	2.1
Pirimicarb	99	13	13	88	8	10	96	5	5	95	9	9	3.0
Prochloraz	100	12	12	80	5	6	91	7	7	84	7	8	2.9
Promecarb	99	19	19	82	4	5	95	12	13	92	13	14	4.5
Prometon	102	19	19	83	9	11	92	9	9	83	10	12	4.4
Prometryne	84	10	11	83	16	19	95	15	16	93	11	12	2.7
Propamocarb	ND			ND			ND			ND			ND
Propargite	95	11	11	84	6	7	96	7	7	90	10	11	2.6
Propham	91	14	16	80	11	14	91	6	7	84	8	9	3.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	93	21	22	78	10	13	90	8	9	88	9	10	5.3
Propoxur	95	13	13	83	10	12	91	7	7	93	10	11	3.1
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	90	11	12	80	7	9	97	9	10	93	9	10	2.8
Pyraclostrobin	95	15	16	83	12	15	92	11	12	93	16	17	3.8
Pyridaben		100			85		94	7	7	91	8	8	1.9
Pyrimethanil	99	18	18	83	9	11	84	10	12	87	12	14	4.3
Pyriproxyfen	104	20	19	83	7	8	93	10	10	91	10	11	4.6
Quinoxifen	87	12	13	81	4	5	98	10	10	89	5	5	3.1
Rotenone	98	10	11	88	3	3	96	5	5	80	8	10	2.5
Secbumeton	96	13	14	77	7	9	89	7	8	86	10	12	3.2
Siduron	102	15	14	85	10	12	92	16	17	87	8	9	3.4
Simetryne	98	18	19	86	9	10	97	6	7	93	13	14	4.4
SpinetoramA	100	9	9	86	8	9	97	5	6	92	7	8	2.1
SpinetoramB	99	8	8	71	3	4	74	4	6	62	3	5	1.9
Spinosad	99	11	11	84	5	6	90	5	6	87	8	10	2.6
Spirodiclofen	95	17	17	79	11	14	92	9	9	85	7	8	4.1
Spiromefesin	85	19	22	83	5	6	94	9	10	80	8	10	5.2
Spirotetramat	73	18	24	59	10	17	65	7	11	67	11	17	5.7
Spiroxamine	92	12	13	80	8	10	84	9	11	86	10	12	3.1
Sulfentrazone	121	21	17	88	18	21	66	4	6	77	7	10	4.1
Tebuconazole	98	14	14	80	11	14	88	9	10	92	14	15	3.3
Tebufenozide		93			77		76	8	11	102	33	32	4.6
Tebufenpyrad	99	18	18	84	14	17	92	10	11	104	9	9	4.3
Tebuthiuron	91	9	9	84	9	11	97	12	12	91	7	8	2.2
Teflubenzuron		130			87		95	8	9	89	15	17	3.4
Temephos	93	10	10	86	6	7	95	5	6	105	9	8	2.5
Terbumeton	98	13	13	83	11	13	94	6	6	94	12	12	3.0
Terbutryne	97	14	14	85	6	7	94	5	5	86	6	7	3.4
Tetraconazole	93	21	23	83	9	11	96	5	6	87	8	9	5.3
Thiabendazole	93	11	12	79	4	6	90	6	6	81	7	9	2.8
Thiacloprid	107	15	14	88	6	7	93	3	3	86	6	7	3.2
Thiamethoxam	106	14	13	87	8	9	95	8	9	90	6	7	3.1
Thidiazuron	64	2	4	58	4	6	80	5	6	65	4	6	0.8
Thiobencarb	102	8	8	79	7	10	89	7	8	85	8	9	1.9
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	65	6	10	64	4	7	96	11	12	84	5	6	2.4
Triadimefon	108	21	19	93	13	14	92	7	7	87	8	10	4.5
Triadimenol	81	18	23	79	23	29	93	6	6	84	15	18	5.4
Trichlorfon	93	10	11	76	10	13	81	6	7	82	8	10	2.6
Tricyclazole	93	11	12	81	4	5	91	7	8	85	11	13	2.8
Trifloxystrobin	98	9	9	83	8	10	96	8	8	87	5	6	2.1
Triflumizole	90	13	15	77	7	10	84	7	9	101	3	3	3.5
Triflumuron	102	14	14	84	7	9	103	10	9	92	5	6	3.3
Triticonazole	96	15	16	76	11	15	94	6	6	86	8	10	3.7
Vamidotion	103	26	25	88	7	8	96	12	12	92	10	11	5.9
Zoxamide	100	7	7	86	7	8	83	7	9	83	10	13	1.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Cucumber													
3-Hydroxycarbofuran	111	11	9	113	18	16	122	8	6	111	8	8	2.2
Acephate	95	8	8	89	12	14	101	7	7	95	9	9	1.9
Acetamiprid	111	14	12	106	10	9	121	8	6	109	12	11	2.9
Acibenzolar-S-methyl	114	15	13	112	16	14	125	7	5	110	9	9	3.2
Alanycarb		67			68		42	12	28	47	5	11	5.6
Aldicarb sulfoxide	101	8	8	102	16	16	109	6	5	100	9	9	1.9
Aldicarb	112	17	15	112	19	17	127	7	6	119	9	7	3.6
Aldoxycarb	97	17	17	88	4	5	123	7	6	110	9	8	4.1
Ametryn	112	11	10	106	12	11	118	9	7	113	5	5	2.3
Aminocarb	123	8	7	111	13	12	122	7	5	111	7	6	1.6
Amitraz		ND			99			92		82	16	19	9.5
Avermectin B1a 1		ND			ND		175	41	23	111	3	3	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	114	5	4	110	8	7	127	12	9	111	9	8	1.0
Benalaxyl	122	11	9	112	14	12	126	8	6	110	12	11	2.1
Bendiocarb	119	9	7	114	17	15	128	5	4	110	9	8	1.7
Benfuracarb	49	9	18	58	11	19	40	5	14	40	11	28	4.3
Benzoximate	93	14	15	97	10	10	119	12	10	107	8	8	3.5
Bifenazate	ND			ND			18	5	28	49	9	18	ND
Bitertanol	125	11	9	89	11	12	125	4	3	116	6	5	2.0
Boscalid	104	7	7	100	22	22	129	8	6	111	13	12	1.7
BromuconazoleA	114	17	15	114	12	11	121	3	3	113	6	5	3.5
BromuconazoleB	105	15	15	110	17	15	138	9	7	112	9	8	3.5
Bupirimate	119	7	6	131	17	13	133	14	11	118	11	10	1.3
Buprofezin	109	9	8	103	12	12	129	3	2	116	7	6	1.9
Butafenacil	109	23	21	115	23	20	125	20	16	115	5	4	4.9
Butocarboxim	117	13	12	114	15	13	120	13	11	110	10	9	2.7
Butoxycarboxim	113	11	9	112	13	11	123	7	6	111	10	9	2.2
Carbaryl	109	7	7	109	14	13	124	6	5	110	7	7	1.6
Carbendazim	106	9	9	102	15	14	121	11	9	106	7	7	2.1
Carbetamide	109	8	7	102	11	11	113	8	7	106	10	9	1.7
Carbofuran	118	11	9	113	15	13	145	9	6	127	9	7	2.2
Carboxin	99	7	7	95	11	12	108	7	7	95	9	9	1.7
Carfentrazone-ethyl	120	19	16	127	13	10	141	9	7	104	11	11	3.7
Chlorantraniliprole	150	26	17	107	19	17	133	19	14	115	10	9	4.0
Chlorfluazuron		114			95		131	11	8	113	8	7	4.2
Chlorotoluron	129	11	8	118	15	13	132	11	8	108	13	12	2.0
Chloroxuron	130	11	8	111	12	11	133	6	4	112	9	8	1.9
Clethodim	62	8	14	63	5	8	64	7	11	67	6	9	3.2
Clofentezine		123			113		126	9	7	111	8	7	1.9
Clothianidin	155	25	16	108	19	18	112	15	14	108	13	12	3.7
Cyazofamid	122	16	13	106	14	14	140	14	10	111	13	11	3.1
Cycluron	116	10	8	101	13	13	130	5	4	117	8	7	2.0
Cymoxanil	114	13	11	112	11	9	123	8	7	109	10	9	2.6
CyproconazoleA	115	4	4	109	12	11	122	9	7	107	7	7	0.8
CyproconazoleB	113	10	9	110	11	10	125	9	7	111	11	10	2.1
Cyprodinil	107	3	3	108	8	8	122	10	8	114	5	5	0.8
Cyromazine	ND			65	12	19	51	4	9	59	6	10	11.2
Desmedipham	110	7	7	104	18	17	126	11	9	109	10	9	1.6
Diclobutrazol	128	14	11	114	13	12	126	8	7	107	11	10	2.5
Dicrotophos	119	9	8	113	12	11	121	10	8	113	9	8	1.8
Diethofencarb	112	7	6	105	9	9	128	8	6	103	10	10	1.4
Difenoconazole	109	15	14	113	21	19	124	8	6	115	10	9	3.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	110	16	14	103	21	20	121	1	1	107	9	9	3.4
Dimethoate	111	8	7	106	12	12	131	16	12	114	11	10	1.6
DimethomorphA	106	13	12	109	18	16	135	9	7	114	9	8	2.8
DimethomorphB	102	9	9	109	13	12	109	7	6	105	7	6	2.1
Dimoxystrobin	115	9	8	116	9	7	124	5	4	107	9	8	1.8
Diniconazole	134	28	21	93	12	13	130	13	10	112	9	8	5.0
Dinotefuran	110	7	7	107	16	15	118	13	11	109	10	10	1.6
Dioxacarb	112	11	10	112	15	13	130	6	4	117	10	9	2.2
Diuron	104	4	4	100	8	8	133	9	7	107	10	10	0.9
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	161	10	6	134	20	15	126	3	3	105	8	8	1.4
E-Fenpyroximate	112	8	7	111	15	13	128	7	5	116	8	7	1.6
Emamectin benzoate	146	12	8	127	12	9	138	7	5	114	12	11	2.0
Epoxiconazole	108	7	6	101	15	15	124	4	3	104	9	8	1.5
Eprinomectin		ND			ND		112	17	15	114	8	7	34.9
Etaconazole	107	6	5	99	11	11	139	16	11	120	12	10	1.2
Ethaboxam	130	6	5	109	12	11	129	9	7	106	9	9	1.2
Ethiofencarb	107	15	14	98	8	8	109	11	10	100	7	7	3.2
Ethiprole	116	45	39	120	22	18	128	14	11	109	9	8	9.1
Ethirimol	91	10	12	94	15	16	96	9	9	96	6	7	2.7
Ethofumesate		133		115	14	12	125	8	6	112	11	10	0.7
Etoazole	119	9	7	111	13	12	128	9	7	112	8	7	1.8
Famoxadone	127	30	24	101	23	23	115	13	12	111	7	7	5.5
Fenamidone	109	8	8	95	13	13	134	22	17	113	11	10	1.8
Fenarimol		88		105	13	12	107	9	8	104	10	10	11.9
Fenazaquin	113	13	12	107	10	10	112	15	13	110	12	11	2.8
Fenbuconazole		110		111	19	17	129	15	11	112	11	10	2.7
Fenhexamid	82	11	14	56	9	17	67	6	8	67	4	5	3.2
Fenoxycarb	126	12	10	109	14	13	138	4	3	111	11	10	2.3
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	114	11	10	109	17	15	121	5	4	110	10	9	2.3
Flonicamid	133	45	34	121	17	14	132	10	8	116	9	8	7.9
Flubendiamide		ND			ND			118		113	40	35	ND
Fludioxinil		118		109	13	12	146	4	3	109	14	12	4.2
Flufenacet	109	9	9	104	10	10	133	14	11	121	16	13	2.0
Flufenoxuron	121	21	17	121	14	12	145	9	6	113	8	7	4.1
Fluometuron	117	7	6	105	13	12	125	9	7	115	14	12	1.3
Fluoxastrobin	120	33	28	130	28	22	117	9	8	106	7	6	6.6
Fluquinconazole	122	48	39	114	16	14	109	12	11	110	7	6	9.2
Flusilazole	118	10	9	114	9	8	120	8	7	105	8	8	2.1
Flutolanil	119	9	8	110	17	16	124	10	8	108	12	11	1.8
Flutriafol	113	11	10	107	12	11	118	8	7	111	10	9	2.3
Forchlorfenuron	112	11	10	92	14	15	119	6	5	109	8	7	2.4
Formetanate HCl	109	3	3	103	11	11	104	6	6	95	8	9	0.7
Fuberidazole	110	13	12	105	15	14	124	10	8	110	9	9	2.8
Furalaxyl	117	7	6	102	16	16	127	13	10	111	11	10	1.5
Furathiocarb	118	8	6	112	10	9	117	9	7	114	8	7	1.5
Hexaconazole	96	5	5	104	16	15	124	7	6	112	8	7	1.2
Hexaflumuron		ND			125		125	16	12	117	9	8	11.2
Hexythiazox	106	14	13	101	18	18	130	5	4	112	6	6	3.0
Hydramethylnon	91	11	13	86	14	16	109	6	5	82	12	15	3.0
Imazalil	115	14	12	113	16	14	113	7	6	99	10	10	2.9
Imidacloprid	125	20	16	114	9	8	140	13	9	116	8	7	3.7
Indoxacarb		ND			173		135	19	14	123	13	10	21.4

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	101	8	8	102	9	8	125	10	8	118	7	6	2.0
Iprovalicarb	115	7	6	108	11	10	126	5	4	109	12	11	1.4
Isoprocarb	127	11	8	118	15	13	126	9	7	113	9	8	2.0
Isoproturon	114	6	5	110	17	15	125	11	9	103	6	6	1.2
Isoxaflutole	136	20	15	109	14	13	123	17	14	106	10	10	3.5
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		104		115	29	26	121	8	7	138	29	21	7.2
Linuron	113	8	7	101	19	18	130	11	9	111	14	13	1.6
Lufenuron		106			87		131	24	18	113	11	10	5.0
Mandipropamide	117	13	11	111	9	8	126	3	2	111	8	7	2.6
Mefenacet	117	9	8	106	11	10	123	5	4	112	12	11	1.9
Mepanipyrim	101	11	11	105	13	12	128	9	7	108	9	9	2.6
Mepronil	118	10	9	112	6	5	131	8	6	106	11	10	2.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		112			121		122	9	8	109	14	13	4.9
Metalaxyl	114	7	6	104	14	14	130	6	4	114	11	10	1.4
Metconazole		117			115		129	9	7	112	7	6	3.0
Methabenzthiazuron	104	6	5	105	18	18	124	9	7	111	14	13	1.3
Methamidophos	95	3	3	90	11	12	98	8	8	96	7	7	0.7
Methiocarb	112	6	5	116	17	14	130	11	8	102	13	13	1.2
Methomyl	119	7	6	115	10	9	135	7	5	120	12	10	1.3
Methoprotryne	107	5	5	102	14	14	114	6	5	107	9	9	1.1
Methoxyfenozide	112	10	9	102	14	14	105	3	3	98	13	13	2.0
Metobromuron	124	10	8	118	16	14	125	13	10	108	10	9	1.9
Metribuzin	128	26	20	126	18	14	114	5	4	109	8	7	4.8
Mevinphos-E	124	14	11	121	14	12	121	5	4	113	9	8	2.6
Mevinphos-Z	115	11	9	113	16	14	119	6	5	108	10	9	2.2
Mexacarbate		122		121	17	14	124	9	7	110	10	9	3.1
Monocrotophos	111	9	8	109	14	12	118	8	6	111	9	8	1.9
Monolinuron	116	15	13	116	13	11	120	7	6	105	7	7	3.0
Moxidectin		ND			ND			140			120		15.8
Moxidectin+Na		ND			ND			132			109		ND
Myclobutanil	141	44	31	139	37	26	118	8	7	106	10	9	7.3
Neburon	114	14	12	118	16	14	129	6	5	108	11	10	2.8
Nitenpyram	98	8	8	92	18	19	103	11	11	94	6	7	1.9
Novaluron	113	11	10	97	17	18	135	14	10	120	12	10	2.4
Nuarimol	133	35	26	128	15	11	138	15	11	112	11	10	6.1
Omethoate	101	6	6	97	13	14	109	11	10	104	8	8	1.5
Oxadixyl	107	6	6	107	13	12	117	6	5	106	7	7	1.3
Oxamyl	114	12	10	115	13	11	121	9	7	108	9	8	2.4
Paclobutrazol	113	19	17	123	2	1	138	11	8	107	8	8	3.9
Penconazole		124			128		128	12	9	113	13	12	4.1
Pencycuron	113	10	9	105	11	10	126	7	6	114	8	7	2.0
Phenmedipham	121	9	7	110	6	5	128	9	7	111	14	12	1.8
Picoxystrobin		121		103	14	14	119	15	13	112	12	11	2.0
Piperonyl butoxide	119	7	6	109	13	12	124	10	8	114	10	9	1.5
Pirimicarb	111	6	6	108	10	9	126	8	6	112	7	6	1.3
Prochloraz	107	8	7	105	14	13	118	11	9	112	9	8	1.7
Promecarb	120	4	3	114	14	13	134	10	8	116	11	9	0.8
Prometon	116	2	2	110	15	13	125	5	4	109	10	9	0.4
Prometryne	125	5	4	124	19	15	128	10	8	114	15	13	0.9
Propamocarb	159	1	1	134	14	10	116	8	7	95	7	7	0.2
Propargite	105	7	7	103	13	12	131	10	7	118	7	6	1.7
Propham	129	18	14	107	6	6	124	8	6	111	11	10	3.4

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	141	18	12	109	11	10	124	3	3	106	8	8	2.9
Propoxur	114	14	12	109	15	14	124	6	5	110	13	12	2.9
Pymetrozine	94	7	7	92	11	12	99	10	10	89	9	10	1.6
Pyracarbolid	111	8	7	113	12	11	119	10	8	106	8	8	1.6
Pyraclostrobin	111	11	10	106	21	20	128	8	6	110	11	10	2.4
Pyridaben		117			110		129	8	6	116	8	7	1.4
Pyrimethanil	115	28	25	119	21	18	117	5	4	111	10	9	5.8
Pyriproxyfen	114	8	7	114	15	13	126	5	4	113	9	8	1.6
Quinoxifen	113	7	6	109	12	11	134	7	5	114	9	7	1.4
Rotenone	111	7	6	109	20	19	119	9	7	102	8	8	1.5
Secbumeton	118	3	3	111	15	13	124	8	6	109	9	8	0.6
Siduron	122	21	17	121	11	9	129	9	7	107	11	10	4.1
Simetryne	115	7	6	110	13	12	127	7	6	111	11	10	1.4
SpinetoramA	110	7	6	112	12	10	124	9	7	110	10	9	1.5
SpinetoramB	115	15	13	104	11	11	126	6	5	113	9	8	3.0
Spinosad	121	10	8	109	9	9	125	11	9	116	6	6	1.9
Spirodiclofen	101	21	21	86	19	22	114	7	6	107	9	8	5.0
Spiromefesin	108	14	13	115	27	24	119	21	18	100	15	15	3.1
Spirotetramat	89	6	6	81	5	6	77	8	11	83	11	13	1.5
Spiroxamine	120	10	9	109	9	8	119	13	11	109	8	7	2.0
Sulfentrazone	ND			65	9	13	78	18	23	91	12	13	7.7
Tebuconazole	104	15	14	106	15	15	131	8	6	111	10	9	3.3
Tebufenozide		121			111		117	12	10	98	14	14	3.3
Tebufenpyrad	129	8	6	116	18	16	127	7	6	113	8	7	1.4
Tebuthiuron	123	13	10	120	15	13	127	7	6	111	6	6	2.4
Teflubenzuron		ND			163		135	9	7	123	12	9	10.9
Temephos	117	24	21	108	13	12	121	9	7	117	10	9	4.9
Terbumeton	115	8	7	118	12	10	138	9	6	102	11	11	1.7
Terbutryne	110	5	5	106	19	18	129	11	9	111	11	10	1.2
Tetraconazole	123	9	7	111	16	14	132	5	4	120	11	9	1.8
Thiabendazole	110	13	12	113	16	15	121	12	10	109	10	9	2.8
Thiacloprid	116	13	11	113	10	8	119	8	6	107	10	9	2.7
Thiamethoxam	117	17	14	110	17	15	121	10	8	113	9	8	3.4
Thidiazuron	98	6	6	92	13	14	107	8	7	100	4	4	1.4
Thiobencarb	113	8	7	109	16	15	123	11	9	117	11	10	1.6
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	104	12	12	101	13	13	110	9	8	99	8	8	2.7
Triadimefon	131	12	9	100	16	16	119	8	6	118	12	10	2.1
Triadimenol	109	16	15	109	12	11	114	9	8	108	11	10	3.5
Trichlorfon	109	10	9	95	14	15	109	4	4	99	11	11	2.2
Tricyclazole	113	9	8	114	13	11	121	12	10	105	9	8	1.9
Trifloxystrobin	122	9	8	104	7	7	142	22	15	119	12	10	1.8
Triflumizole	117	14	12	108	15	14	120	5	4	112	7	6	2.9
Triflumuron	107	16	15	106	21	20	150	17	11	120	10	9	3.4
Triticonazole	116	5	4	114	21	19	117	7	6	109	8	7	1.0
Vamidothion	117	16	14	108	15	14	121	7	6	115	11	9	3.3
Zoxamide	106	8	8	105	12	11	127	9	7	114	11	10	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Eggplant													
3-Hydroxycarbofuran	107	11	10	116	16	14	97	6	6	80	4	5	2.4
Acephate	105	13	12	106	13	12	84	4	5	73	3	4	2.9
Acetamiprid	111	8	7	118	12	10	105	8	7	83	4	5	1.6
Acibenzolar-S-methyl	109	11	10	114	17	15	102	9	8	82	4	5	2.3
Alanycarb		ND			ND			ND		2	1	29	ND
Aldicarb sulfoxide	119	13	11	117	23	20	108	4	4	81	5	6	2.5
Aldicarb	118	26	22	99	14	14	86	8	9	84	14	16	5.2
Aldoxycarb	110	9	8	115	9	8	94	4	4	80	4	5	1.9
Ametryn	101	7	7	115	12	11	99	7	7	82	1	2	1.7
Aminocarb	107	11	10	118	7	6	93	8	9	82	4	4	2.5
Amitraz		53			90			68		58	4	7	6.9
Avermectin B1a 1		ND			ND		102	15	14	86	17	20	33.7
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	102	5	5	112	8	7	96	3	3	78	5	6	1.1
Benalaxyl	95	6	7	109	8	7	96	8	8	83	6	7	1.5
Bendiocarb	107	6	6	116	10	8	100	5	5	84	3	4	1.3
Benfuracarb	117	24	21	113	12	11	3	0	11	1	0	18	4.9
Benzoximate	89	40	45	121	17	14	101	7	7	82	5	6	10.6
Bifenazate	ND			ND			ND			3	0	4	46.8
Bitertanol	104	20	20	99	20	20	101	9	9	85	4	5	4.6
Boscalid	50	11	21	95	12	12	98	7	8	80	1	1	4.9
BromuconazoleA	95	36	38	101	15	15	98	5	6	73	2	3	9.0
BromuconazoleB	114	42	37	103	9	9	93	8	9	80	1	1	8.8
Bupirimate	110	15	14	111	8	7	103	8	8	75	3	4	3.3
Buprofezin	99	14	14	111	9	8	97	6	6	83	4	5	3.2
Butafenacil	109	20	19	126	20	15	99	9	9	77	3	4	4.4
Butocarboxim	108	13	12	129	22	17	95	12	12	92	9	10	2.8
Butoxycarboxim	114	5	4	120	12	10	95	6	6	83	4	5	1.0
Carbaryl	100	12	12	114	7	7	93	6	7	83	2	3	2.7
Carbendazim	102	8	8	112	14	12	99	2	2	79	5	6	1.9
Carbetamide	108	11	10	110	15	14	100	1	1	83	4	4	2.4
Carbofuran	110	12	11	129	23	18	129	9	7	109	6	5	2.6
Carboxin	62	14	22	82	8	10	65	5	7	62	2	3	5.2
Carfentrazone-ethyl	95	19	20	100	9	9	90	4	5	76	6	8	4.6
Chlorantraniliprole	182	42	23	142	19	14	72	6	8	82	6	7	5.4
Chlorfluazuron		107			106		94	5	5	77	5	6	2.2
Chlorotoluron	108	5	4	110	6	5	97	6	6	78	2	3	1.0
Chloroxuron	85	24	28	123	18	15	93	9	10	70	4	6	6.6
Clethodim	19	11	57	35	11	30	36	5	14	42	3	7	13.3
Clofentezine		48			45		61	3	5	86	10	12	5.8
Clothianidin	89	20	22	116	13	11	104	11	10	82	7	9	5.2
Cyazofamid	101	14	14	115	6	6	106	11	11	77	3	4	3.2
Cycluron	121	6	5	114	11	10	98	8	8	79	7	8	1.1
Cymoxanil	113	15	14	121	18	15	97	5	6	81	2	2	3.2
CyproconazoleA	104	16	15	111	16	14	94	7	7	75	4	5	3.6
CyproconazoleB	100	15	15	112	14	12	96	9	9	73	5	7	3.6
Cyprodinil	94	13	14	117	17	15	113	7	6	89	3	4	3.3
Cyromazine	101	32	32	79	24	30	44	4	9	41	1	3	7.4
Desmedipham	100	9	9	103	5	5	86	3	3	77	3	4	2.1
Diclobutrazol	87	23	26	93	3	3	87	12	14	72	5	6	6.1
Dicrotophos	114	8	7	116	7	6	94	9	9	80	5	6	1.6
Diethofencarb	118	18	15	113	7	7	96	7	7	73	3	5	3.6
Difenoconazole	106	13	12	102	8	8	92	8	9	80	3	4	2.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	101	22	22	106	13	12	99	10	10	81	3	3	5.1
Dimethoate	103	9	9	111	13	12	98	4	4	86	6	6	2.0
DimethomorphA	96	12	12	119	18	15	102	6	6	81	4	5	2.9
DimethomorphB	119	19	16	115	17	14	99	6	6	84	4	5	3.7
Dimoxystrobin	75	2	3	108	18	16	101	7	7	81	3	4	0.7
Diniconazole	74	29	38	90	10	11	80	4	5	74	5	7	9.0
Dinotefuran	118	7	6	109	21	19	106	8	8	80	6	8	1.4
Dioxacarb	112	13	11	120	10	8	105	8	8	82	4	5	2.7
Diuron	103	22	21	115	5	5	97	9	9	70	5	7	5.1
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			89		ND
Emamectin	149	16	11	135	13	10	95	3	3	82	4	4	2.5
E-Fenpyroximate	114	15	13	124	10	8	100	4	4	88	3	3	3.1
Emamectin benzoate	154	6	4	139	11	8	99	5	5	82	1	1	0.8
Epoxiconazole	146	25	17	117	34	29	88	4	5	77	7	9	4.1
Eprinomectin		ND			151		91	20	22	72	3	4	12.5
Etaconazole	90	23	25	116	14	12	93	5	5	76	3	4	6.0
Ethaboxam	108	3	3	103	8	7	85	8	9	74	2	2	0.7
Ethiofencarb	76	12	16	92	17	18	81	6	7	72	4	5	3.7
Ethiprole	108	7	7	128	20	16	103	9	9	75	4	5	1.6
Ethirimol	81	11	14	92	14	15	83	7	9	70	4	6	3.3
Ethofumesate		113		125	4	3	99	11	11	78	4	5	3.1
Etoxazole	101	10	10	105	7	6	92	6	7	77	3	3	2.3
Famoxadone	76	19	25	103	33	32	96	11	11	77	6	7	5.8
Fenamidone	96	15	16	97	9	9	92	7	8	74	3	4	3.8
Fenarimol		162		97	19	20	74	7	9	70	5	6	2.9
Fenazaquin	102	40	39	123	15	12	101	15	15	83	7	8	9.3
Fenbuconazole		109		110	14	13	100	10	10	78	4	5	1.4
Fenhexamid	60	4	7	74	12	16	49	6	12	45	2	5	1.7
Fenoxycarb	87	14	17	108	10	10	100	5	5	79	2	2	3.9
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	110	9	8	121	15	13	96	9	9	79	5	7	1.9
Flonicamid	168	21	12	119	16	14	98	6	6	84	1	1	2.9
Flubendiamide		ND			ND			97		64	23	36	ND
Fludioxinil		103		111	38	34	101	6	6	73	4	6	6.0
Flufenacet	102	7	7	109	8	7	102	7	7	86	3	4	1.7
Flufenoxuron	106	6	5	120	9	8	104	10	10	85	2	2	1.2
Fluometuron	110	11	10	121	13	11	97	5	5	82	3	3	2.4
Fluoxastrobin	112	15	13	115	13	12	92	4	5	77	3	4	3.1
Fluquinconazole	95	24	25	88	13	15	94	12	13	84	5	6	6.0
Flusilazole	90	19	21	109	15	14	96	7	7	78	3	4	4.9
Flutolanil	100	16	17	106	6	6	98	4	4	75	5	7	3.9
Flutriafol	100	10	10	111	9	8	95	7	7	78	2	2	2.4
Forchlorfenuron	83	15	19	98	12	12	88	4	4	67	2	2	4.4
Formetanate HCl	113	12	11	110	19	18	92	6	7	75	7	9	2.5
Fuberidazole	99	8	8	105	10	10	89	6	7	75	5	7	1.9
Furalaxyl	103	5	5	111	11	10	99	8	8	79	7	9	1.1
Furathiocarb	95	8	8	110	8	8	99	3	3	85	7	8	1.9
Hexaconazole	89	25	28	100	8	8	86	9	11	72	7	9	6.5
Hexaflumuron		ND			123		93	18	19	77	6	7	7.6
Hexythiazox	99	16	17	115	14	12	109	10	9	87	2	3	3.9
Hydramethylnon	41	10	24	66	8	12	76	5	6	65	5	7	5.6
Imazalil	83	10	12	111	9	8	84	4	5	75	4	5	2.8
Imidacloprid	115	19	16	122	14	11	105	7	7	82	6	7	3.8
Indoxacarb		170			154		117	10	8	90	10	12	7.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	92	16	18	100	8	8	94	4	4	81	3	3	4.2
Iprovalicarb	105	5	5	123	15	12	107	11	10	82	3	4	1.2
Isoprocarb	101	8	8	119	11	9	95	5	5	84	4	5	2.0
Isoproturon	106	14	14	114	6	6	95	4	5	74	2	3	3.2
Isoxaflutole	90	20	23	99	14	14	91	4	5	85	10	11	5.3
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		102		107	42	40	103	20	19	75	4	6	7.1
Linuron	109	30	28	127	9	7	96	5	6	79	3	4	6.5
Lufenuron		108			126		103	8	8	88	2	3	10.7
Mandipropamide	101	11	11	108	9	8	93	7	8	80	6	8	2.6
Mefenacet	86	6	7	119	16	13	103	9	9	80	5	6	1.7
Mepanipyrim	114	15	13	105	9	8	96	6	6	76	6	8	3.1
Mepronil	100	4	4	111	12	10	100	4	4	71	5	7	1.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		109			111		106	5	4	88	5	6	9.1
Metalaxyl	108	8	8	121	8	6	96	3	3	79	5	6	1.9
Metconazole		76			99		92	13	15	78	2	2	3.0
Methabenzthiazuron	107	13	12	111	7	7	97	3	3	78	4	5	2.8
Methamidophos	108	16	15	118	5	4	91	5	5	81	3	4	3.5
Methiocarb	108	6	6	117	9	8	103	5	5	75	6	8	1.3
Methomyl	108	10	9	127	19	15	131	8	6	105	5	5	2.2
Methoprotryne	88	2	2	107	14	13	100	1	1	83	5	6	0.6
Methoxyfenozide	111	18	16	112	11	10	104	9	9	76	4	5	3.8
Metobromuron	87	11	13	113	15	14	97	1	1	78	5	6	3.1
Metribuzin	107	8	8	120	15	13	102	3	2	84	3	4	1.8
Mevinphos-E	126	9	7	122	11	9	102	7	7	85	3	4	1.6
Mevinphos-Z	113	14	12	120	15	12	102	7	7	86	7	8	2.9
Mexacarbate		84		111	16	14	101	7	7	82	2	3	1.7
Monocrotophos	104	12	11	110	14	13	95	5	5	83	1	1	2.7
Monolinuron	105	13	13	118	11	9	97	8	8	83	6	7	3.0
Moxidectin		ND			ND			106			76		ND
Moxidectin+Na		ND			ND			86			74		39.9
Myclobutanil	109	17	15	100	7	7	93	11	12	84	2	2	3.6
Neburon	82	14	16	96	9	10	92	4	4	77	6	7	3.9
Nitenpyram	100	14	14	111	13	12	82	6	8	69	5	7	3.2
Novaluron	114	12	11	108	4	4	94	8	8	86	2	2	2.5
Nuarimol	79	26	33	84	9	11	82	5	6	71	2	3	7.7
Omethoate	107	13	12	107	17	16	97	8	8	78	4	4	2.9
Oxadixyl	113	11	9	120	12	10	100	5	5	85	3	4	2.2
Oxamyl	107	11	10	120	13	11	97	6	6	78	5	6	2.4
Paclobutrazol	89	13	15	103	6	6	96	4	4	78	4	5	3.5
Penconazole		103			102		90	9	10	74	4	5	6.2
Pencycuron	97	12	12	106	16	15	98	6	6	83	5	6	2.8
Phenmedipham	98	3	3	98	14	14	81	6	7	75	2	3	0.7
Picoxystrobin		109		103	10	10	102	8	8	81	3	4	4.3
Piperonyl butoxide	105	9	9	106	10	10	97	4	4	77	4	6	2.1
Pirimicarb	107	12	11	125	15	12	99	3	4	82	3	4	2.6
Prochloraz	87	23	27	74	3	4	75	8	10	62	6	10	6.2
Promecarb	94	9	9	112	15	14	110	9	8	83	5	6	2.1
Prometon	104	6	6	114	7	6	93	5	5	80	5	6	1.4
Prometryne	106	12	12	113	6	5	102	3	3	79	7	8	2.7
Propamocarb	188	15	8	153	20	13	107	5	5	77	4	5	1.8
Propargite	111	11	10	120	17	14	99	7	7	83	4	5	2.4
Propham	82	18	22	103	6	5	91	9	10	88	5	6	5.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	108	15	13	110	8	7	99	10	10	81	5	6	3.2
Propoxur	91	7	8	112	7	7	101	4	4	86	2	2	1.9
Pymetrozine	96	5	5	91	26	29	52	2	4	43	2	5	1.2
Pyracarbolid	105	7	7	119	8	7	97	5	5	80	5	6	1.6
Pyraclostrobin	100	8	8	122	20	16	105	3	3	83	6	8	2.0
Pyridaben		97			114		98	5	5	86	3	3	2.2
Pyrimethanil	111	9	8	115	14	12	97	4	4	82	4	5	1.9
Pyriproxyfen	103	15	15	110	10	9	98	5	6	84	3	4	3.4
Quinoxifen	111	12	11	108	16	15	96	9	9	81	2	2	2.6
Rotenone	92	9	10	109	11	10	92	3	3	79	6	7	2.4
Secbumeton	99	10	10	110	10	9	92	4	5	79	3	3	2.5
Siduron	92	18	19	110	4	4	95	5	6	74	8	10	4.5
Simetryne	103	14	13	119	16	13	92	5	5	81	1	2	3.1
SpinetoramA	96	10	10	109	15	14	97	4	4	85	2	3	2.5
SpinetoramB	92	6	7	104	9	9	98	7	8	85	2	3	1.6
Spinosad	106	9	9	116	8	7	97	5	5	85	4	5	2.0
Spirodiclofen	89	5	6	84	12	15	85	6	7	82	1	1	1.3
Spiromefesin	74	19	26	102	10	9	88	22	25	86	25	30	6.2
Spirotetramat	78	13	16	98	13	13	69	3	4	65	3	5	3.8
Spiroxamine	102	9	8	111	9	8	91	7	8	79	4	5	2.0
Sulfentrazone	82	23	29	89	14	15	65	11	17	56	2	4	6.7
Tebuconazole	92	24	26	101	5	5	84	7	8	70	6	9	6.1
Tebufenozide		89			116		100	11	11	75	3	5	4.3
Tebufenpyrad	110	8	8	113	8	7	98	7	7	84	3	4	1.8
Tebuthiuron	119	14	12	120	11	9	94	5	6	79	5	6	2.8
Teflubenzuron		154			125		98	7	8	84	4	5	3.8
Temephos	98	6	6	112	18	16	97	9	10	83	4	5	1.3
Terbumeton	111	9	9	113	12	11	95	7	8	76	4	5	2.0
Terbutryne	95	10	10	102	11	11	97	6	6	75	4	5	2.4
Tetraconazole	82	11	14	94	10	10	90	2	3	81	4	6	3.3
Thiabendazole	91	6	6	110	15	14	89	9	10	77	5	6	1.5
Thiacloprid	99	7	7	112	8	7	94	5	5	82	4	5	1.6
Thiamethoxam	112	7	6	106	11	11	101	6	6	88	3	4	1.4
Thidiazuron	64	13	20	75	5	7	67	6	9	55	3	6	4.7
Thiobencarb	96	16	17	114	19	16	98	6	6	85	1	2	4.0
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	55	12	22	60	14	24	64	8	13	58	2	3	5.2
Triadimefon	108	21	19	122	3	2	99	11	11	78	2	2	4.6
Triadimenol	87	19	22	97	8	8	98	11	11	79	5	6	5.2
Trichlorfon	123	7	6	119	15	12	86	3	4	77	4	5	1.4
Tricyclazole	106	15	14	112	4	4	92	6	7	78	3	3	3.3
Trifloxystrobin	102	4	4	109	10	9	94	11	12	83	3	4	0.9
Triflumizole	83	23	27	86	13	15	76	7	9	63	7	11	6.4
Triflumuron	98	7	7	114	6	6	100	6	6	92	5	5	1.6
Triticonazole	91	23	25	99	12	13	97	4	5	79	4	5	6.0
Vamidothion	106	14	14	113	5	5	95	3	3	80	7	9	3.2
Zoxamide	109	8	8	112	17	15	92	10	11	76	5	7	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Grape													
3-Hydroxycarbofuran	93	14	16	101	8	8	110	7	7	110	5	5	3.7
Acephate	82	9	10	84	4	5	90	1	1	94	4	5	2.5
Acetamiprid	92	13	14	91	6	7	114	3	3	108	5	5	3.3
Acibenzolar-S-methyl	95	12	13	95	7	8	107	5	5	112	3	3	3.0
Alanycarb		ND			ND		ND			ND			ND
Aldicarb sulfoxide	88	10	11	92	4	5	98	2	2	94	4	5	2.6
Aldicarb	94	10	11	96	4	4	109	9	9	103	9	8	2.5
Aldoxycarb	96	10	11	95	8	8	104	6	6	98	3	3	2.5
Ametryn	95	14	14	98	3	3	109	9	9	106	7	7	3.3
Aminocarb	85	12	14	88	5	5	97	3	3	97	4	5	3.3
Amitraz		ND			65			42		31	3	10	9.1
Avermectin B1a 1		ND			ND		108	16	15	114	41	36	35.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	104	19	18	103	1	1	109	10	9	104	5	5	4.2
Benalaxyl	90	10	11	89	4	5	111	8	8	109	5	4	2.5
Bendiocarb	98	12	12	97	7	7	105	3	3	105	7	7	2.8
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	83	19	23	98	11	11	115	6	6	99	7	7	5.4
Bifenazate	103	12	11	90	9	10	98	6	6	103	9	9	2.7
Bitertanol	75	27	36	104	25	24	115	9	8	111	2	2	8.4
Boscalid	95	28	29	98	14	14	112	4	4	114	17	15	6.8
BromuconazoleA	95	7	8	101	13	13	110	4	3	96	2	2	1.8
BromuconazoleB	98	16	16	105	10	10	109	8	7	109	8	7	3.8
Bupirimate	90	7	8	89	3	3	109	14	13	99	11	11	1.8
Buprofezin	92	13	14	94	10	11	104	2	2	101	2	2	3.3
Butafenacil	87	15	18	99	7	7	128	11	8	105	6	6	4.1
Butocarboxim	91	9	10	90	15	17	107	8	8	105	8	8	2.4
Butoxycarboxim	96	16	17	99	5	5	107	3	3	104	7	6	4.0
Carbaryl	95	14	14	92	14	15	105	6	6	103	7	7	3.4
Carbendazim	82	11	14	88	6	6	94	3	3	95	4	4	3.2
Carbetamide	92	14	15	90	14	15	108	3	3	106	5	4	3.6
Carbofuran	126	16	12	129	9	7	158	3	2	147	7	4	2.9
Carboxin	86	14	17	86	12	14	101	8	8	100	6	6	3.9
Carfentrazone-ethyl	70	21	30	114	12	11	124	6	5	96	7	7	7.0
Chlorantraniliprole	86	23	27	93	8	8	112	11	10	108	4	3	6.4
Chlorfluazuron		105			92		99	4	4	110	8	8	5.1
Chlorotoluron	89	13	15	96	2	2	111	9	9	111	8	7	3.4
Chloroxuron	103	10	9	101	14	14	112	9	8	97	6	6	2.2
Clethodim	58	15	26	59	8	14	58	1	2	71	4	5	6.1
Clofentezine		97			108		111	6	5	103	3	3	3.6
Clothianidin	97	26	27	100	6	6	108	6	5	108	9	8	6.3
Cyazofamid	99	9	9	108	15	14	116	6	5	100	7	7	2.1
Cycluron	94	11	12	91	4	4	111	3	3	107	7	7	2.9
Cymoxanil	102	12	12	93	9	10	108	6	6	106	6	5	2.7
CyproconazoleA	94	12	13	94	11	12	105	4	4	102	3	3	3.0
CyproconazoleB	96	2	2	107	9	8	110	5	5	106	1	1	0.5
Cyprodinil	95	25	26	99	8	8	115	4	4	115	4	3	6.2
Cyromazine	ND			35	2	5	31	1	4	41	2	5	2.9
Desmedipham	102	15	15	102	7	7	111	4	3	108	7	6	3.4
Diclobutrazol	102	20	19	104	7	6	117	5	4	106	4	4	4.5
Dicrotophos	95	13	14	94	3	3	103	9	8	105	5	5	3.3
Diethofencarb	98	15	15	109	11	10	119	6	5	111	8	7	3.6
Difenoconazole	92	12	13	107	4	4	113	8	7	110	7	7	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	104	16	16	91	14	15	123	4	3	110	3	3	3.7
Dimethoate	102	17	17	102	6	6	107	8	8	109	1	1	4.0
DimethomorphA	103	13	13	115	17	15	107	4	3	108	4	4	3.0
DimethomorphB	101	15	15	92	7	8	107	8	8	105	5	4	3.4
Dimoxystrobin	99	13	13	103	9	9	110	7	6	100	5	5	3.0
Diniconazole	83	10	12	88	14	16	111	8	7	104	5	5	2.8
Dinotefuran	92	17	19	98	10	11	103	4	4	101	6	6	4.5
Dioxacarb	89	15	17	93	2	2	101	3	3	98	2	2	4.0
Diuron	92	14	16	96	6	6	118	7	6	100	8	8	3.7
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			156		ND
Emamectin	137	13	9	136	10	7	111	3	3	102	4	4	2.2
E-Fenpyroximate	90	14	16	97	3	3	105	4	4	108	6	6	3.8
Emamectin benzoate	128	12	9	119	4	4	116	6	5	109	6	5	2.2
Epoxiconazole	99	16	16	102	7	6	99	4	4	100	11	11	3.9
Eprinomectin		ND			ND		113	5	4	113	10	9	9.8
Etaconazole	80	21	26	98	10	11	112	6	5	111	3	3	6.1
Ethaboxam	98	23	23	97	12	12	102	7	6	104	9	9	5.5
Ethiofencarb	88	15	17	89	17	18	103	8	8	104	8	7	3.9
Ethiprole	89	48	54	98	15	15	107	9	9	107	4	3	12.7
Ethirimol	92	12	13	88	4	4	96	2	2	98	7	7	3.0
Ethofumesate		91		100	13	13	113	10	9	102	6	6	3.4
Etoxazole	97	14	14	98	1	1	105	4	3	105	5	4	3.3
Famoxadone	93	9	10	93	9	10	107	5	5	102	7	7	2.3
Fenamidone	102	21	21	95	8	9	115	8	7	108	2	2	4.9
Fenarimol		140		103	9	9	104	21	20	103	8	8	4.6
Fenazaquin	97	16	16	103	9	9	103	10	10	108	11	10	3.8
Fenbuconazole		96		100	8	8	114	9	8	101	3	3	3.8
Fenhexamid	69	7	11	61	5	9	58	5	8	68	7	11	2.5
Fenoxycarb	112	6	5	89	2	2	104	4	4	98	4	4	1.2
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	99	14	14	97	9	9	103	3	3	101	6	6	3.3
Flonicamid	120	6	5	92	2	2	106	13	12	107	7	7	1.2
Flubendiamide		ND			ND			85		96	19	19	37.0
Fludioxinil		101		83	5	6	109	24	22	110	7	6	0.8
Flufenacet	103	13	13	102	6	6	115	5	4	111	6	6	3.1
Flufenoxuron	91	10	11	93	5	5	104	1	1	109	8	7	2.5
Fluometuron	95	15	16	99	4	4	110	2	2	102	7	7	3.7
Fluoxastrobin	110	14	13	111	7	6	103	1	1	105	6	6	3.0
Fluquinconazole	98	51	52	102	15	15	103	12	12	102	8	8	12.2
Flusilazole	106	22	21	98	12	13	108	8	7	107	2	2	5.0
Flutolanil	104	12	11	102	5	5	123	13	11	106	10	10	2.7
Flutriafol	91	11	13	96	4	4	107	5	5	103	6	6	3.0
Forchlorfenuron	87	14	16	93	14	15	101	7	7	101	2	2	3.8
Formetanate HCl	96	12	12	95	5	5	92	5	6	91	3	3	2.9
Fuberidazole	88	14	16	89	2	2	95	2	2	101	2	2	3.8
Furalaxyl	95	17	18	90	2	3	113	6	5	108	8	8	4.2
Furathiocarb	106	13	12	108	6	5	119	7	6	109	7	6	2.9
Hexaconazole	107	8	7	105	3	3	105	6	6	105	7	7	1.7
Hexaflumuron		ND			108		120	16	13	108	13	12	6.1
Hexythiazox	89	13	15	99	7	7	115	2	2	106	5	5	3.4
Hydramethylnon	81	9	11	74	36	49	102	16	16	98	18	19	2.6
Imazalil	86	13	15	88	19	22	95	2	3	97	7	7	3.5
Imidacloprid	94	9	10	96	4	4	109	8	8	106	6	6	2.2
Indoxacarb		ND			145		118	15	12	106	6	6	9.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	109	13	12	97	5	5	106	6	5	107	2	2	2.8
Iprovalicarb	98	14	14	103	7	7	112	2	2	109	2	2	3.4
Isoprocarb	92	10	11	91	6	7	106	3	3	103	6	6	2.7
Isoproturon	97	12	12	99	5	5	109	3	3	103	10	9	2.9
Isoxaflutole	81	13	15	90	24	26	93	6	7	98	14	14	3.6
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		112		76	16	21	110	17	15	118	12	10	3.4
Linuron	99	24	24	105	13	13	101	9	9	100	12	12	5.7
Lufenuron		ND			84		118	12	10	105	2	2	6.4
Mandipropamide	93	16	17	100	10	10	122	7	6	111	10	9	3.9
Mefenacet	91	15	17	99	6	6	113	8	7	107	5	5	4.0
Mepanipyrim	94	20	22	100	4	4	116	3	3	104	7	7	5.1
Mepronil	102	21	21	99	9	9	114	5	4	99	7	7	4.9
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		142			101		110	9	8	104	7	7	3.4
Metalaxyl	96	14	14	101	9	9	114	6	6	109	7	6	3.3
Metconazole		98			105		109	4	3	109	3	3	4.6
Methabenzthiazuron	92	14	16	105	5	5	112	5	4	112	11	10	3.7
Methamidophos	78	11	14	77	3	4	85	6	7	88	6	7	3.3
Methiocarb	99	13	13	107	8	7	123	8	7	105	10	10	3.1
Methomyl	117	16	14	120	5	4	141	4	3	141	6	4	3.3
Methoprotryne	89	12	13	96	10	10	108	6	5	106	3	3	3.1
Methoxyfenozide	96	11	11	98	9	9	117	11	9	99	7	7	2.7
Metobromuron	86	14	17	98	7	7	115	5	4	106	8	8	4.0
Metribuzin	83	26	31	98	15	15	111	6	5	113	6	6	7.3
Mevinphos-E	96	8	8	100	7	7	103	6	5	106	2	2	2.0
Mevinphos-Z	93	11	12	97	6	6	110	6	5	106	5	5	2.8
Mexacarbate		102		105	3	3	127	4	3	108	3	3	2.8
Monocrotophos	94	14	15	97	5	6	113	2	2	106	6	5	3.6
Monolinuron	109	9	8	96	7	8	111	4	4	109	5	5	1.9
Moxidectin		ND			ND			96			99		33.7
Moxidectin+Na		ND			ND			136			112		17.1
Myclobutanil	87	22	25	96	9	10	106	5	4	101	4	4	5.9
Neburon	89	13	14	96	10	11	113	6	5	101	8	8	3.4
Nitenpyram	82	13	16	89	6	7	94	5	5	91	3	3	3.8
Novaluron	73	10	14	106	12	12	104	6	6	104	4	4	3.3
Nuarimol	89	27	30	104	1	1	109	8	7	108	8	7	7.1
Omethoate	90	10	11	92	7	7	101	2	2	101	5	5	2.6
Oxadixyl	91	8	9	93	9	10	108	5	5	105	5	5	2.1
Oxamyl	100	17	17	99	3	3	108	4	4	101	6	5	3.9
Paclobutrazol	89	17	19	111	5	5	111	14	12	105	6	6	4.5
Penconazole		102			106		109	5	5	106	9	8	5.0
Pencycuron	90	17	19	92	4	4	109	6	6	106	2	2	4.4
Phenmedipham	105	16	15	106	8	7	107	8	7	105	5	5	3.5
Picoxystrobin		117		111	9	8	136	20	15	116	8	7	1.6
Piperonyl butoxide	101	13	13	103	4	4	107	4	4	107	3	3	3.0
Pirimicarb	96	17	18	101	11	11	109	3	3	104	4	4	4.2
Prochloraz	95	17	18	108	6	6	106	5	4	107	2	2	4.2
Promecarb	96	14	14	97	5	5	114	8	7	103	11	10	3.4
Prometon	96	12	12	101	7	7	109	6	5	108	6	5	2.9
Prometryne	99	15	15	90	5	6	106	8	7	111	7	6	3.5
Propamocarb	138	15	11	122	5	4	102	3	3	91	3	3	2.6
Propargite	100	17	17	103	3	3	108	1	1	108	4	4	3.9
Propham	95	15	16	94	5	5	104	6	6	105	3	3	3.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	107	35	33	103	6	6	111	7	6	113	2	2	7.8
Propoxur	101	15	14	93	4	4	111	6	5	107	2	2	3.4
Pymetrozine	21	3	13	17	1	5	9	1	10	13	1	4	3.1
Pyracarbolid	89	11	13	88	6	7	97	3	3	96	3	3	3.0
Pyraclostrobin	93	11	12	97	5	6	103	4	4	98	6	6	2.9
Pyridaben		98			99		103	3	3	106	5	4	2.9
Pyrimethanil	97	10	11	95	6	7	113	4	3	101	8	8	2.5
Pyriproxyfen	92	13	14	98	6	6	106	3	3	106	4	4	3.4
Quinoxifen	82	13	16	99	6	6	108	4	3	110	7	6	3.9
Rotenone	120	19	16	108	12	11	120	12	10	103	6	6	3.8
Secbumeton	95	13	14	88	6	7	103	5	5	108	6	6	3.3
Siduron	96	14	15	94	6	6	111	5	5	101	4	4	3.5
Simetryne	89	11	12	89	10	11	100	3	3	100	4	4	2.9
SpinetoramA	110	13	12	108	4	4	116	7	6	105	5	4	2.8
SpinetoramB	96	11	12	100	5	6	108	5	5	104	3	3	2.7
Spinosad	97	14	14	108	4	3	107	7	6	108	7	6	3.3
Spirodiclofen	94	11	12	92	13	15	92	10	11	98	9	9	2.8
Spiromefesin	89	17	19	100	23	23	87	13	15	97	16	16	4.5
Spirotetramat	71	7	10	86	6	7	89	3	4	88	5	6	2.2
Spiroxamine	97	12	13	100	2	2	102	5	5	104	5	5	3.0
Sulfentrazone	ND			62	7	11	71	11	15	77	4	5	6.4
Tebuconazole	90	18	20	95	9	9	108	11	10	105	1	1	4.7
Tebufenozide		95			115		117	4	3	102	7	7	3.1
Tebufenpyrad	122	14	12	112	6	5	107	4	3	103	6	6	2.8
Tebuthiuron	95	23	25	92	10	11	103	2	2	101	4	4	5.8
Teflubenzuron		ND			105		101	9	9	100	8	8	0.3
Temephos	102	19	19	99	9	9	104	4	4	104	6	6	4.4
Terbumeton	97	9	10	96	8	9	103	7	7	99	7	7	2.2
Terbutryne	91	13	14	94	6	7	116	3	2	106	5	4	3.2
Tetraconazole	84	10	12	106	12	12	110	7	6	111	1	1	2.7
Thiabendazole	85	13	15	79	5	7	94	6	6	92	4	5	3.6
Thiacloprid	98	8	8	92	13	14	99	5	5	101	4	4	2.0
Thiamethoxam	103	16	15	105	4	4	108	3	2	101	2	2	3.6
Thidiazuron	84	9	10	83	8	10	88	5	5	90	4	5	2.4
Thiobencarb	97	20	21	99	3	3	108	3	3	110	7	7	4.9
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	101	8	8	97	8	8	104	2	2	99	6	6	1.8
Triadimefon	118	14	12	102	6	6	105	4	4	106	6	6	2.9
Triadimenol	104	26	25	106	10	10	110	4	4	105	6	5	5.9
Trichlorfon	84	14	16	90	4	5	100	5	5	99	4	4	3.9
Tricyclazole	93	15	16	92	6	6	105	2	2	101	4	4	3.9
Trifloxystrobin	97	13	13	104	5	4	111	9	8	111	6	6	3.1
Triflumizole	95	19	19	98	4	4	108	3	3	107	7	7	4.6
Triflumuron	107	20	19	106	13	13	111	10	9	112	8	8	4.4
Triticonazole	89	23	26	94	8	9	114	7	6	103	5	5	6.0
Vamidotion	92	12	13	93	2	3	107	6	6	103	3	3	3.1
Zoxamide	89	14	16	95	4	4	111	4	3	116	8	7	3.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Hazelnut													
3-Hydroxycarbofuran	109	10	9	114	5	4	111	8	7	112	5	4	2.1
Acephate	100	12	12	94	3	4	90	6	7	93	4	4	2.7
Acetamiprid	101	4	4	108	8	7	107	9	8	111	10	9	1.0
Acibenzolar-S-methyl	138	7	5	123	6	5	100	10	10	107	8	7	1.2
Alanycarb		96			93		92	10	11	99	3	3	0.8
Aldicarb sulfoxide	107	12	11	95	16	17	106	6	6	108	3	3	2.6
Aldicarb	106	7	7	108	7	6	105	9	8	108	3	2	1.5
Aldoxycarb	111	7	6	113	4	4	96	30	32	109	6	5	1.4
Ametryn	ND			67	12	18	40	7	18	56	41	73	10.7
Aminocarb	ND			ND			60	4	7	67	4	7	15.7
Amitraz		ND			ND			ND		ND			ND
Avermectin B1a 1		ND			ND		110	8	8	97	8	8	18.2
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	99	7	7	110	13	12	102	12	12	111	8	7	1.7
Benalaxyl	96	10	11	100	4	4	104	6	6	102	5	5	2.5
Bendiocarb	92	6	7	109	7	6	108	11	10	111	6	6	1.6
Benfuracarb	87	7	8	81	7	9	82	6	8	79	2	3	1.9
Benzoximate	93	10	11	91	11	12	94	5	5	88	5	6	2.6
Bifenazate	89	11	12	99	12	13	90	3	3	95	9	10	2.9
Bitertanol	105	9	8	90	10	12	92	6	6	98	5	5	2.0
Boscalid	106	19	18	112	11	10	103	10	10	100	5	5	4.3
BromuconazoleA	92	16	18	100	6	6	98	9	9	97	5	5	4.2
BromuconazoleB	93	9	9	96	7	7	93	5	5	94	6	7	2.2
Bupirimate	87	8	9	94	4	4	96	7	8	92	3	3	2.1
Buprofezin	97	10	10	87	6	6	85	7	8	71	4	5	2.4
Butafenacil	88	6	7	103	8	8	112	10	9	119	6	5	1.6
Butocarboxim	97	9	9	106	4	4	112	10	9	109	7	6	2.1
Butoxycarboxim	104	8	8	109	4	4	107	7	6	107	5	5	1.9
Carbaryl	107	5	5	101	13	13	99	7	8	104	4	4	1.2
Carbendazim	120	11	9	93	6	6	104	5	4	98	6	7	2.2
Carbetamide	97	3	3	105	5	5	106	5	5	114	4	4	0.8
Carbofuran	71	11	15	102	9	9	109	9	9	112	7	6	3.6
Carboxin	93	4	5	99	8	8	97	7	7	101	5	5	1.1
Carfentrazone-ethyl	89	8	9	103	8	8	99	8	8	100	6	6	2.1
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		135			114		100	6	6	92	3	3	2.6
Chlorotoluron	87	11	12	105	12	12	104	8	8	106	6	5	2.8
Chloroxuron	97	2	2	108	13	12	100	5	5	98	4	4	0.5
Clethodim	63	6	10	63	5	8	58	3	4	63	1	2	2.3
Clofentezine		103			90		86	3	4	82	3	4	2.0
Clothianidin	112	11	10	106	11	10	105	10	10	107	4	4	2.2
Cyazofamid	102	10	10	99	9	10	105	3	3	103	7	6	2.4
Cycluron	98	6	6	108	6	6	111	9	8	108	8	8	1.5
Cymoxanil	105	14	13	112	2	2	107	7	7	107	8	8	3.2
CyproconazoleA	82	7	9	93	10	11	94	8	8	99	8	8	2.1
CyproconazoleB	90	10	12	101	13	13	96	11	11	98	5	5	2.7
Cyprodinil	82	9	11	74	3	4	77	2	3	69	2	3	2.5
Cyromazine	ND			ND			ND			ND			ND
Desmedipham	241	11	5	157	13	8	118	10	8	106	4	4	1.1
Diclobutrazol	94	16	17	98	17	18	116	17	15	94	3	4	4.1
Dicrotophos	103	6	6	108	6	5	107	10	9	110	6	6	1.4
Diethofencarb	94	8	8	103	6	6	100	8	8	105	7	7	1.9
Difenoconazole	111	12	11	103	6	6	98	7	7	92	5	5	2.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	87	10	11	98	3	4	95	8	8	99	4	5	2.6
Dimethoate	110	6	6	110	11	10	108	6	6	108	7	6	1.3
DimethomorphA	109	12	11	103	8	8	102	8	8	104	5	5	2.7
DimethomorphB	113	15	13	111	13	11	105	9	9	108	9	8	3.1
Dimoxystrobin	90	1	1	100	3	3	104	8	8	103	4	4	0.3
Diniconazole	105	11	10	92	19	21	91	7	7	90	4	5	2.3
Dinotefuran	91	8	9	105	5	4	106	8	8	105	6	5	2.2
Dioxacarb	105	9	9	110	7	6	107	8	7	107	6	5	2.0
Diuron	106	6	6	102	11	10	104	9	9	105	5	5	1.4
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			141			113		44.8
Emamectin	95	9	10	87	5	6	98	3	3	93	3	4	2.3
E-Fenpyroximate	100	6	6	95	4	5	91	4	5	87	4	4	1.4
Emamectin benzoate	108	5	4	94	6	7	99	4	4	94	4	4	1.0
Epoxiconazole	88		28	103	10	9	94	6	7	97	6	6	6.5
Eprinomectin		ND			123		104	10	9	94	4	4	3.4
Etaconazole	95	17	18	95	14	15	98	5	5	100	5	5	4.2
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	100	20	20	97	16	17	100	6	6	104	6	6	4.6
Ethiprole	118	16	14	112	6	5	106	5	5	109	4	3	3.2
Ethirimol	ND			ND			ND			ND			ND
Ethofumesate		106		100	11	11	98	11	11	98	6	6	1.6
Etoazole	86	8	9	90	4	4	88	4	5	85	4	4	2.2
Famoxadone	90	11	13	100	14	14	95	5	5	101	9	9	2.9
Fenamidone	98	3	4	101	4	4	102	11	11	103	7	6	0.8
Fenarimol		70		98	26	26	89	15	17	95	7	8	7.3
Fenazaquin	89	12	14	77	8	11	72	6	8	67	4	7	3.2
Fenbuconazole		110		106	3	3	100	5	5	104	8	8	2.6
Fenhexamid	70	12	18	71	11	16	74	5	7	76	6	8	4.1
Fenoxycarb	84	3	4	103	6	5	97	6	6	98	5	5	0.9
Fenpropimorph		119			104			103			100		1.2
Fenuron	102	7	7	114	8	7	113	10	9	113	6	5	1.7
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND			ND		ND
Fludioxinil		147		115	28	25	109	4	4	100	8	8	3.1
Flufenacet	90	5	5	99	9	9	105	8	7	103	7	7	1.3
Flufenoxuron	111	9	8	97	10	10	95	3	3	90	4	5	1.8
Fluometuron	103	8	8	110	8	7	110	10	9	114	6	5	1.9
Fluoxastrobin	102	9	9	110	7	6	103	7	7	107	9	8	2.1
Fluquinconazole	141	21	15	110	14	12	98	11	12	96	6	6	3.4
Flusilazole	96	4	4	103	5	5	98	6	6	98	4	4	0.9
Flutolanil	94	5	5	107	10	9	105	7	7	105	6	6	1.1
Flutriafol	113	6	6	106	11	10	103	7	7	104	6	5	1.3
Forchlorfenuron	87	8	9	94	5	5	97	5	5	100	5	5	2.1
Formetanate HCl	75	14	19	68	6	9	63	5	8	64	6	9	4.4
Fuberidazole	111	9	9	107	6	5	110	5	4	101	3	3	2.0
Furalaxyl	97	9	10	106	6	5	105	8	7	108	8	8	2.3
Furathiocarb	242	16	7	163	11	7	116	3	3	93	9	9	1.6
Hexaconazole	84	22	26	91	17	19	90	9	10	95	5	6	6.1
Hexaflumuron		ND			116		96	12	12	97	7	7	2.6
Hexythiazox	79	4	5	81	9	11	80	2	3	76	2	3	1.2
Hydramethylnon	76	3	4	75	3	4	82	6	7	80	4	5	0.9
Imazalil	98	12	12	97	6	7	98	6	6	98	3	3	2.9
Imidacloprid	112	18	16	110	9	8	110	9	8	111	6	5	3.7
Indoxacarb		110			95		87	12	13	97	11	11	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	105	6	6	93	11	12	89	6	6	89	2	2	1.3
Iprovalicarb	99	7	7	109	9	8	102	13	12	109	7	7	1.7
Isoprocarb	100	6	6	104	7	7	97	9	10	104	4	3	1.4
Isoproturon	97	3	3	103	10	9	104	9	9	105	5	5	0.6
Isoxaflutole	ND			ND			108	10	9	107	10	10	22.0
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		135			112			90			87		1.8
Kresoxim-methyl		108		102	16	16	100	8	8	99	11	11	5.9
Linuron	75	18	24	95	11	12	101	6	6	101	6	6	5.6
Lufenuron		104			111		114	6	5	100	5	5	1.6
Mandipropamide	107	5	4	111	7	7	107	5	4	107	8	8	1.0
Mefenacet	94	3	4	98	6	6	96	8	8	95	4	4	0.8
Mepanipyrim	79	8	10	90	13	14	85	2	3	84	6	7	2.4
Mepronil	93	4	4	103	9	8	97	7	8	99	7	7	0.9
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	97	5	5	107	6	6	103	7	7	108	7	6	1.3
Metconazole		87			93		92	8	8	100	5	5	2.8
Methabenzthiazuron	80	8	9	99	10	10	96	6	7	100	6	6	2.2
Methamidophos	135	10	7	111	7	6	89	7	8	92	4	4	1.7
Methiocarb	89	11	13	100	3	3	100	11	11	99	5	5	2.9
Methomyl	106	9	8	112	4	4	114	7	6	113	5	5	1.9
Methoprotryne	94	7	7	101	11	11	95	5	5	96	7	7	1.7
Methoxyfenozide	104	11	11	113	8	7	107	9	9	105	5	5	2.6
Metobromuron	87	9	10	99	4	4	103	12	12	105	7	6	2.4
Metribuzin	104	11	11	103	8	7	101	10	10	104	4	4	2.6
Mevinphos-E	97	6	6	106	4	4	105	7	7	108	6	5	1.5
Mevinphos-Z	93	5	6	105	4	4	108	9	8	110	6	6	1.4
Mexacarbate		106		86	7	8	95	5	5	93	4	4	1.5
Monocrotophos	99	3	3	103	4	4	99	6	6	104	4	4	0.8
Monolinuron	92	10	11	101	12	12	96	9	9	106	8	7	2.6
Moxidectin		ND			ND			ND			ND		ND
Moxidectin+Na		ND			ND			ND			76		ND
Myclobutanil	99	5	5	98	6	6	100	7	7	99	4	5	1.3
Neburon	94	8	8	97	8	8	96	3	3	89	5	6	1.9
Nitenpyram	106	9	9	96	5	5	91	6	6	94	6	6	2.1
Novaluron	153	28	18	114	9	8	103	10	10	101	5	5	4.3
Nuarimol	101	17	17	100	6	6	96	7	8	100	4	4	3.9
Omethoate	97	10	10	99	3	3	97	9	9	102	4	4	2.3
Oxadixyl	102	7	7	106	5	5	111	12	11	122	3	2	1.6
Oxamyl	101	8	8	108	5	5	103	8	8	106	5	5	1.8
Paclobutrazol	99	9	9	101	9	9	100	8	8	103	8	7	2.1
Penconazole		100			93		97	10	10	94	3	4	2.1
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	242	7	3	158	13	8	122	8	6	110	6	5	0.7
Picoxystrobin		109		104	5	5	104	5	5	101	8	8	1.2
Piperonyl butoxide	109	81	75	98	20	20	95	3	3	88	6	7	17.6
Pirimicarb	104	7	7	111	19	17	98	3	3	93	3	4	1.6
Prochloraz	96	8	8	99	4	4	92	6	7	95	3	3	1.8
Promecarb	93	4	4	102	7	6	100	6	6	101	2	2	0.9
Prometon	103	40	39	104	7	7	96	12	12	97	7	7	9.2
Prometryne	90	15	16	87	7	8	107	4	4	87	3	3	3.8
Propamocarb	127	53	42	67	6	10	58	4	8	60	4	6	9.8
Propargite	97	6	6	91	6	6	90	4	4	83	3	4	1.4
Propham	84	14	17	94	14	15	92	8	8	93	3	3	4.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	93	13	14	98	11	11	96	6	6	97	5	5	3.2
Propoxur	102	8	8	105	6	6	106	9	9	109	6	6	1.9
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	100	6	6	104	10	9	99	8	8	103	5	4	1.4
Pyraclostrobin	92	8	9	99	6	6	97	4	4	94	4	5	2.2
Pyridaben		85			86		85	5	6	81	4	5	1.5
Pyrimethanil	89	14	16	87	5	5	80	3	3	81	6	7	3.8
Pyriproxyfen	81	11	13	85	8	10	83	4	4	76	3	4	3.1
Quinoxifen	87	8	10	71	6	9	71	8	12	61	3	6	2.3
Rotenone	112	22	19	104	9	9	101	5	5	95	4	5	4.6
Secbumeton	102	10	10	107	6	6	101	6	6	103	4	4	2.2
Siduron	96	22	22	106	6	6	101	12	12	105	7	6	5.3
Simetryne	102	10	10	107	6	6	91	6	6	94	6	6	2.2
SpinetoramA	104	7	7	111	19	17	103	10	10	101	5	5	1.6
SpinetoramB	ND			ND			96	7	8	100	4	4	18.2
Spinosad	106	9	8	112	4	4	117	20	17	94	7	8	1.9
Spirodiclofen	119	4	3	106	8	8	117	20	17	94	7	8	0.8
Spiromefesin	95	8	8	94	9	10	90	2	3	86	4	5	2.0
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	99	7	7	109	9	8	89	6	6	89	2	2	1.7
Sulfentrazone	ND			87	11	12	70	4	6	82	5	7	7.2
Tebuconazole	84	7	8	99	10	10	93	7	8	100	6	6	2.0
Tebufenozide		98			106		106	5	4	105	8	7	3.0
Tebufenpyrad	108	17	16	90	5	5	87	8	10	78	4	6	3.8
Tebuthiuron	115	12	11	108	7	6	102	8	8	105	6	6	2.6
Teflubenzuron		ND			ND		89	13	14	84	3	4	34.0
Temephos	ND			ND			ND			ND			ND
Terbumeton	ND			ND			ND			ND			ND
Terbutryne	81	12	15	79	6	7	80	10	13	72	7	9	3.6
Tetraconazole	81	13	16	100	15	15	98	4	4	107	5	5	3.7
Thiabendazole	93	4	4	103	9	8	96	6	7	100	6	6	0.9
Thiacloprid	119	14	12	107	8	8	107	9	9	115	4	3	2.8
Thiamethoxam	103	6	6	108	8	7	106	6	5	108	4	3	1.4
Thidiazuron	117	7	6	108	10	9	96	4	4	97	2	2	1.5
Thiobencarb	87	15	18	77	11	15	82	4	5	81	5	6	4.2
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	227	8	3	150	5	3	114	7	6	104	4	4	0.8
Triadimefon	90	11	12	101	5	5	92	3	4	97	5	5	2.8
Triadimenol	100	9	9	98	14	14	99	8	9	105	6	6	2.1
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	96	6	6	102	8	8	101	10	10	103	5	5	1.5
Trifloxystrobin	104	8	8	104	8	8	101	4	4	100	3	3	1.9
Triflumizole	126	11	8	101	6	6	94	9	9	82	4	5	2.0
Triflumuron	104	4	4	103	6	6	98	2	2	97	5	5	1.0
Triticonazole	91	13	14	97	10	10	99	7	7	107	8	7	3.4
Vamidothion	110	9	8	109	4	4	105	8	7	106	5	5	2.0
Zoxamide	97	19	19	94	4	5	93	5	5	89	2	2	4.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Honey													
3-Hydroxycarbofuran	108	6	6	104	13	12	114	11	9	96	5	5	1.3
Acephate	79	3	4	72	10	14	75	4	5	73	4	5	0.9
Acetamiprid	108	7	6	118	26	22	111	10	9	93	8	8	1.5
Acibenzolar-S-methyl	108	6	6	97	19	20	108	8	8	96	7	7	1.4
Alanycarb		28			25		17	17	105	7	6	83	11.7
Aldicarb sulfoxide	95	3	3	90	15	17	97	6	6	85	5	6	0.8
Aldicarb	113	16	14	108	16	15	123	7	6	105	11	11	3.2
Aldoxycarb	112	7	7	106	16	15	114	7	6	100	6	6	1.6
Ametryn	109	10	9	101	17	17	111	7	6	101	5	5	2.1
Aminocarb	95	1	1	90	15	16	96	5	5	88	4	4	0.3
Amitraz		120			90			83		78	4	6	3.0
Avermectin B1a 1		ND			ND		91	24	26	84	17	21	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	106	9	8	101	13	13	113	10	9	97	5	5	1.9
Benalaxyl	118	6	5	111	25	23	120	9	7	102	5	5	1.1
Bendiocarb	110	11	10	105	18	18	109	9	8	93	5	6	2.4
Benfuracarb	18	7	40	7	5	69	11	14	122	4	3	94	9.3
Benzoximate	120	17	15	116	12	10	110	16	14	94	15	16	3.4
Bifenazate	101	8	8	102	17	17	111	8	7	98	6	6	1.9
Bitertanol	88	16	19	104	21	21	109	3	3	106	6	6	4.4
Boscalid	121	16	13	125	29	23	118	8	7	96	6	6	3.1
BromuconazoleA	97	13	13	109	21	19	120	8	6	97	4	4	3.1
BromuconazoleB	105	13	13	106	20	19	112	9	8	100	6	6	3.0
Bupirimate	115	6	5	111	22	20	117	5	4	94	6	7	1.2
Buprofezin	109	4	4	108	18	16	123	9	8	102	5	5	0.9
Butafenacil	122	22	18	111	13	12	116	12	10	91	6	7	4.3
Butocarboxim	127	28	22	105	14	13	113	15	14	95	10	10	5.3
Butoxycarboxim	111	7	7	104	17	16	111	8	7	99	5	5	1.6
Carbaryl	113	7	6	106	14	14	110	8	7	104	6	6	1.4
Carbendazim	93	10	10	90	13	14	94	7	8	86	3	4	2.4
Carbetamide	106	4	4	97	19	19	107	5	5	100	6	6	0.9
Carbofuran	142	7	5	137	21	15	142	10	7	122	5	4	1.2
Carboxin	106	7	7	100	14	14	110	7	6	103	5	5	1.6
Carfentrazone-ethyl	106	15	14	94	16	17	114	7	6	90	6	7	3.4
Chlorantraniliprole	94	20	21	97	30	31	107	17	16	104	5	5	5.0
Chlorfluazuron		118			111		119	4	3	104	4	4	2.3
Chlorotoluron	113	7	6	104	15	15	117	11	10	100	8	8	1.4
Chloroxuron	118	6	5	120	17	15	124	7	6	97	3	3	1.2
Clethodim	66	6	9	58	12	21	69	6	9	64	3	5	2.1
Clofentezine		95			91		102	4	4	95	3	3	1.9
Clothianidin	98	21	21	105	15	14	106	10	9	97	7	7	5.0
Cyazofamid	91	14	15	102	16	16	126	12	10	92	9	10	3.6
Cycluron	114	10	9	109	16	14	121	11	9	98	7	8	2.1
Cymoxanil	110	9	9	106	20	19	112	3	3	102	10	10	2.0
CyproconazoleA	120	8	7	108	22	20	116	11	10	98	3	3	1.6
CyproconazoleB	114	4	3	111	22	20	119	8	7	97	5	5	0.8
Cyprodinil	122	10	9	116	20	17	125	12	10	106	4	3	2.0
Cyromazine	26	5	19	12	3	26	12	1	10	11	1	7	4.5
Desmedipham	106	7	6	107	11	10	116	5	4	102	5	5	1.5
Diclobutrazol	121	14	12	114	27	23	125	14	11	94	9	9	2.7
Dicrotophos	107	8	7	99	14	14	107	6	6	95	3	3	1.7
Diethofencarb	114	4	3	109	18	17	112	4	4	101	5	5	0.8
Difenoconazole	110	14	13	101	13	13	116	9	8	103	4	4	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	115	29	25	104	19	19	119	8	6	99	7	7	6.0
Dimethoate	110	13	12	105	14	13	111	8	7	99	4	5	2.8
DimethomorphA	116	8	7	104	18	17	112	12	10	100	3	4	1.7
DimethomorphB	98	2	2	98	13	13	102	8	8	95	3	3	0.4
Dimoxystrobin	126	17	13	124	16	13	123	9	8	96	7	8	3.1
Diniconazole	117	22	19	96	26	27	114	8	7	98	3	3	4.4
Dinotefuran	101	9	9	98	20	20	105	8	7	91	8	9	2.2
Dioxacarb	115	7	6	113	15	13	121	9	7	97	7	8	1.4
Diuron	112	7	6	115	20	17	118	11	9	95	2	2	1.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	156	11	7	131	12	9	142	11	8	116	5	5	1.6
E-Fenpyroximate	111	4	3	100	15	15	109	10	9	99	2	2	0.8
Emamectin benzoate	147	4	3	121	16	13	125	9	7	110	8	7	0.7
Epoxiconazole	105	13	12	106	17	16	114	10	8	102	8	8	2.8
Eprinomectin		ND			122		105	10	9	107	15	14	16.2
Etaconazole	123	6	5	118	19	16	121	12	10	98	3	3	1.2
Ethaboxam	121	8	7	110	17	16	116	7	6	99	5	5	1.6
Ethiofencarb	110	10	9	95	15	16	111	8	7	102	4	4	2.2
Ethiprole	120	18	15	110	18	17	121	9	7	109	16	15	3.6
Ethirimol	99	13	13	83	15	18	89	6	7	81	7	9	3.0
Ethofumesate		109		108	13	12	110	12	11	98	5	5	3.6
Etoazole	107	1	1	101	14	14	115	8	7	99	1	2	0.2
Famoxadone	117	18	15	101	15	15	104	13	13	101	5	5	3.5
Fenamidone	107	5	5	113	19	17	118	8	7	107	3	3	1.1
Fenarimol		52		116	15	13	128	14	11	111	20	18	8.9
Fenazaquin	117	6	5	101	10	10	109	9	8	107	6	5	1.1
Fenbuconazole		116		106	28	27	114	4	4	97	5	5	2.9
Fenhexamid	65	10	15	68	15	22	74	7	9	69	4	6	3.5
Fenoxycarb	123	7	6	124	22	18	127	8	6	98	14	14	1.4
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	107	8	7	98	16	17	105	7	7	95	5	5	1.7
Flonicamid	141	11	7	110	19	17	106	5	5	95	3	3	1.8
Flubendiamide		ND			129			121		97	52	53	12.7
Fludioxinil		97		137	24	18	127	21	17	99	13	13	7.2
Flufenacet	112	4	3	112	15	13	128	8	7	98	4	4	0.8
Flufenoxuron	116	14	12	107	15	14	118	6	5	103	3	3	2.8
Fluometuron	117	7	6	107	17	16	121	12	10	94	5	6	1.3
Fluoxastrobin	119	5	5	107	17	16	116	10	9	102	8	8	1.1
Fluquinconazole	113	11	10	110	25	23	111	10	9	108	10	9	2.4
Flusilazole	118	10	9	119	27	23	117	12	11	99	6	6	2.0
Flutolanil	128	8	6	117	17	15	123	9	7	90	5	5	1.5
Flutriafol	110	14	13	112	17	15	114	9	8	99	6	7	3.1
Forchlorfenuron	107	9	8	105	8	8	112	9	8	90	5	6	2.0
Formetanate HCl	97	6	7	84	14	17	85	4	5	81	6	7	1.5
Fuberidazole	103	6	6	100	14	14	100	6	6	87	4	4	1.5
Furalaxyl	112	10	9	108	20	18	114	8	7	91	5	6	2.2
Furathiocarb	119	8	7	113	21	19	127	7	6	97	4	5	1.6
Hexaconazole	121	13	11	122	26	21	123	8	6	102	5	5	2.5
Hexaflumuron		149			110		96	14	15	91	14	15	3.0
Hexythiazox	111	3	3	104	15	15	118	8	7	99	4	4	0.7
Hydramethylnon	113	9	8	100	11	11	101	13	13	98	7	7	1.9
Imazalil	101	13	13	100	14	14	117	5	4	105	2	2	3.0
Imidacloprid	123	12	10	113	18	16	122	6	5	102	6	6	2.4
Indoxacarb		128			119		128	24	19	108	10	9	15.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	117	7	6	106	16	15	121	8	7	104	2	2	1.4
Iprovalicarb	113	7	6	108	17	15	115	8	7	95	4	4	1.5
Isoprocab	112	11	9	103	14	14	113	7	6	98	3	3	2.2
Isoproturon	108	10	9	105	14	14	114	9	8	98	7	7	2.2
Isoxaflutole	117	18	16	99	20	20	106	14	13	98	5	5	3.7
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		120		106	23	22	113	17	15	95	20	21	7.0
Linuron	90	10	11	99	17	17	107	11	11	93	7	7	2.6
Lufenuron		87			103		120	16	13	89	6	7	10.8
Mandipropamide	123	9	7	118	18	15	122	8	7	99	5	5	1.7
Mefenacet	108	11	11	114	18	16	121	9	7	99	5	6	2.5
Mepanipyrim	118	20	17	116	21	18	117	10	8	94	4	5	4.0
Mepronil	103	13	13	116	24	21	129	19	14	90	4	4	3.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		110			103		123	8	7	104	8	8	3.8
Metalaxyl	108	6	6	103	14	13	116	12	11	103	2	2	1.4
Metconazole		108			107		111	10	9	103	5	5	1.2
Methabenzthiazuron	106	8	8	109	23	21	115	10	9	96	5	6	1.8
Methamidophos	76	19	25	71	16	23	80	14	17	66	8	12	5.8
Methiocarb	115	10	9	111	23	20	122	9	8	94	8	8	2.0
Methomyl	132	5	4	124	19	16	133	6	5	116	7	6	0.8
Methoprotryne	116	7	6	106	17	16	112	6	5	97	8	9	1.5
Methoxyfenozide	100	10	10	108	35	32	111	4	3	81	13	16	2.3
Metobromuron	114	7	6	109	15	14	116	7	6	97	5	5	1.5
Metribuzin	98	7	7	95	11	11	114	10	9	95	4	5	1.6
Mevinphos-E	104	15	15	101	19	19	111	9	8	98	7	7	3.4
Mevinphos-Z	103	7	7	107	20	18	121	6	5	97	2	2	1.6
Mexacarbate		105		115	20	18	122	13	11	100	3	3	4.3
Monocrotophos	107	8	8	98	16	16	102	7	7	95	6	7	1.8
Monolinuron	115	6	5	106	19	18	116	4	4	99	7	7	1.2
Moxidectin		ND			ND			112			110		ND
Moxidectin+Na		ND			ND			105			96		25.3
Myclobutanil	106	13	12	100	15	15	110	11	10	98	9	9	2.8
Neburon	107	1	1	108	19	18	116	11	9	90	7	7	0.3
Nitenpyram	99	5	6	88	14	16	94	6	6	80	7	8	1.3
Novaluron	96	3	3	88	11	12	102	9	9	96	6	6	0.7
Nuarimol	115	5	4	103	21	20	120	11	9	99	4	4	1.0
Omethoate	91	4	4	86	15	18	93	5	5	85	4	5	0.9
Oxadixyl	114	9	8	102	17	17	109	7	7	98	5	5	1.8
Oxamyl	108	8	8	105	19	18	106	4	4	93	3	4	1.8
Paclobutrazol	119	20	17	113	18	16	122	9	7	103	8	8	4.0
Penconazole		120			113		119	13	11	101	4	4	3.9
Pencycuron	106	7	6	119	30	26	122	8	6	100	4	4	1.5
Phenmedipham	119	11	9	107	16	15	116	14	12	96	6	6	2.1
Picoxystrobin		115		99	20	21	96	7	7	80	6	7	1.6
Piperonyl butoxide	115	11	10	107	16	15	119	9	7	97	2	2	2.2
Pirimicarb	111	8	7	101	15	15	109	7	7	97	3	3	1.6
Prochloraz	116	10	9	98	18	18	111	10	9	99	2	2	2.0
Promecarb	108	7	7	117	16	13	122	12	10	103	6	6	1.6
Prometon	112	10	9	105	16	15	113	9	8	99	6	6	2.2
Prometryne	105	4	4	116	17	15	124	13	10	99	8	8	0.8
Propamocarb	130	2	1	99	14	14	90	6	6	79	4	5	0.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propargite	106	10	9	107	16	15	123	7	6	100	6	6	2.1
Propham	107	3	3	103	16	16	114	7	6	99	2	2	0.7
Propiconazole	128	8	7	113	21	19	112	11	10	99	8	8	1.5
Propoxur	93	12	13	99	17	17	110	8	7	97	5	5	2.9
Pymetrozine	30	5	16	29	6	20	31	3	10	27	3	12	3.8
Pyracarbolid	113	10	9	105	16	15	109	7	7	97	5	5	2.0
Pyraclostrobin	102	8	8	109	16	15	120	10	8	100	5	5	1.9
Pyridaben		111			105		116	7	6	103	3	3	1.0
Pyrimethanil	127	19	15	110	13	12	118	16	13	98	1	1	3.5
Pyriproxyfen	109	7	6	103	18	18	115	8	7	101	3	3	1.4
Quinoxifen	110	6	6	108	12	11	110	5	5	100	3	3	1.3
Rotenone	121	7	5	102	17	17	113	8	7	101	4	4	1.3
Secbumeton	113	6	5	105	16	15	109	8	7	103	4	4	1.3
Siduron	119	8	7	118	23	19	127	14	11	98	5	5	1.7
Simetryne	108	14	13	104	13	12	112	9	8	100	4	4	3.0
SpinetoramA	117	3	2	109	15	14	118	6	5	100	4	4	0.6
SpinetoramB	119	3	3	104	20	19	115	9	8	101	3	3	0.6
Spinosad	113	6	6	103	15	15	118	12	10	101	8	8	1.3
Spirodiclofen	97	15	15	87	8	10	108	8	7	95	6	6	3.6
Spiromefesin	108	20	18	98	25	25	90	11	12	77	20	26	4.3
Spirotetramat	92	15	16	90	12	13	95	9	9	94	3	3	3.7
Spiroxamine	114	6	5	108	15	14	118	10	8	102	8	8	1.3
Sulfentrazone	71	9	13	75	9	11	79	8	10	71	6	9	3.1
Tebuconazole	99	10	10	103	24	23	116	6	5	92	5	5	2.4
Tebufenozide		98			97		106	15	14	99	23	24	0.8
Tebufenpyrad	106	6	6	103	8	8	113	6	5	97	5	5	1.4
Tebuthiuron	119	13	11	104	16	16	113	6	5	103	3	3	2.6
Teflubenzuron		75			94		128	24	19	89	9	10	17.2
Temephos	108	5	5	105	12	11	113	8	7	100	3	3	1.1
Terbumeton	132	9	7	113	16	15	117	13	11	106	9	9	1.6
Terbutryne	111	5	5	114	15	13	121	10	8	92	5	5	1.1
Tetraconazole	110	12	11	111	14	13	115	13	11	98	8	9	2.6
Thiabendazole	93	6	7	91	17	19	95	9	10	84	5	6	1.6
Thiacloprid	115	8	7	103	19	19	108	7	7	99	3	3	1.6
Thiamethoxam	104	10	10	95	12	12	105	9	9	91	6	7	2.3
Thidiazuron	91	7	8	85	8	10	92	8	8	85	4	5	1.9
Thiobencarb	107	7	7	105	18	17	115	9	8	96	4	5	1.5
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	111	15	14	102	17	17	108	6	5	88	9	10	3.2
Triadimefon	114	7	6	111	18	16	120	4	3	100	5	5	1.4
Triadimenol	121	13	11	107	17	16	116	9	8	101	7	7	2.5
Trichlorfon	112	15	14	96	19	20	101	10	10	97	6	7	3.2
Tricyclazole	104	6	6	96	13	13	103	7	7	93	7	7	1.4
Trifloxystrobin	117	6	5	112	17	15	120	6	5	101	4	4	1.2
Triflumizole	109	4	4	107	17	16	120	3	2	101	3	3	1.0
Triflumuron	106	11	10	105	17	16	121	9	8	106	5	4	2.4
Triticonazole	104	1	1	105	16	15	106	7	6	95	4	5	0.2
Vamidothion	104	7	7	99	14	14	109	10	9	95	7	7	1.6
Zoxamide	131	10	8	114	25	22	118	10	8	105	11	10	1.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Onion													
3-Hydroxycarbofuran	107	7	7	90	8	9	105	6	6	102	5	5	1.6
Acephate	93	10	11	86	8	9	86	8	10	83	9	10	2.5
Acetamiprid	108	13	12	97	6	6	108	8	7	106	8	7	2.9
Acibenzolar-S-methyl	112	10	9	100	5	5	108	7	6	110	9	8	2.0
Alanycarb		ND			ND			ND			ND		ND
Aldicarb sulfoxide	107	8	8	94	8	9	103	14	14	94	10	10	1.8
Aldicarb	89	11	12	85	8	9	92	7	7	88	6	6	2.9
Aldoxycarb	109	8	7	98	4	4	116	11	9	109	6	6	1.7
Ametryn	101	4	4	96	6	7	105	6	5	102	5	5	1.0
Aminocarb	103	4	4	93	6	7	104	6	6	98	5	5	0.9
Amitraz		ND			ND			45			47	4	9.2
Avermectin B1a 1		ND			ND		109	16	15	101	13	13	34.4
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	107	6	5	99	3	3	104	5	5	103	6	5	1.2
Benalaxyl	105	6	6	95	6	7	105	4	4	102	13	12	1.4
Bendiocarb	104	4	4	94	3	3	101	8	8	99	6	6	1.0
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	86	8	10	72	5	6	91	4	5	84	7	8	2.3
Bifenazate	109	11	10	94	10	10	105	6	6	110	10	9	2.4
Bitertanol	93	5	5	87	15	17	115	8	7	106	6	5	1.2
Boscalid	102	24	24	111	11	10	105	7	7	94	3	4	5.6
BromuconazoleA	86	18	21	96	14	14	106	10	9	107	2	2	4.9
BromuconazoleB	113	15	13	104	16	15	106	10	9	103	9	9	3.1
Bupirimate	118	15	13	98	9	9	109	5	5	104	8	8	3.0
Buprofezin	107	4	4	106	4	4	108	2	2	103	6	6	0.9
Butafenacil	102	18	17	93	2	2	114	8	7	119	18	15	4.1
Butocarboxim	114	10	9	95	11	12	105	13	12	121	4	3	2.1
Butoxycarboxim	102	7	6	95	8	9	104	7	7	101	5	5	1.5
Carbaryl	95	5	5	97	5	5	104	8	8	105	6	6	1.2
Carbendazim	93	7	8	87	3	3	98	7	7	93	6	6	1.8
Carbetamide	108	5	4	98	5	5	100	7	7	110	10	9	1.0
Carbofuran	163	6	4	150	10	7	148	11	7	155	10	6	0.9
Carboxin	96	8	9	92	9	10	102	4	4	107	8	7	2.0
Carfentrazone-ethyl	91	20	22	97	14	14	120	15	13	114	19	16	5.1
Chlorantraniliprole	92	15	16	92	11	12	103	8	8	96	10	10	3.9
Chlorfluazuron		125			99		117	14	12	111	10	9	3.3
Chlorotoluron	98	8	8	94	2	3	106	7	7	100	6	6	1.8
Chloroxuron	101	18	18	103	3	3	121	7	5	110	8	8	4.3
Clethodim	67	17	25	67	6	9	68	6	8	69	2	2	5.8
Clofentezine		114			101		118	10	9	101	2	2	2.2
Clothianidin	155	6	4	107	15	14	107	10	10	106	7	6	0.9
Cyazofamid	109	15	13	99	5	5	104	7	6	98	1	1	3.1
Cycluron	104	14	13	103	6	6	107	12	11	106	3	3	3.1
Cymoxanil	69	7	10	62	4	6	70	6	8	66	8	12	2.4
CyproconazoleA	110	13	12	102	2	2	106	8	7	103	3	3	2.8
CyproconazoleB	112	13	12	99	10	11	108	7	6	103	5	5	2.8
Cyprodinil	117	14	12	97	10	10	103	7	7	98	2	2	2.7
Cyromazine	ND			59	3	6	42	7	16	47	5	11	3.4
Desmedipham	107	8	8	100	5	5	101	8	8	102	7	7	1.8
Diclobutrazol	103	9	9	93	8	9	101	11	11	101	6	6	2.1
Dicrotophos	104	9	9	95	7	8	105	6	6	107	10	10	2.0
Diethofencarb	114	11	10	110	8	7	105	7	6	96	3	3	2.3
Difenoconazole	106	16	15	106	7	7	108	5	5	105	8	7	3.4

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	164	26	16	107	16	15	98	5	6	99	8	8	3.8
Dimethoate	103	5	5	90	4	4	103	8	8	106	7	7	1.2
DimethomorphA	109	9	9	101	9	9	112	12	11	108	4	4	2.0
DimethomorphB	120	12	10	104	9	9	101	4	4	98	9	9	2.3
Dimoxystrobin	100	5	5	94	7	8	103	4	3	106	3	3	1.2
Diniconazole	90	22	24	95	9	10	105	10	10	103	5	5	5.7
Dinotefuran	102	17	17	100	8	8	102	11	11	92	10	11	3.9
Dioxacarb	94	3	3	92	3	3	104	7	7	104	2	2	0.8
Diuron	98	6	6	95	5	6	103	7	6	104	5	5	1.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	157	7	4	136	9	7	124	6	5	110	7	6	1.0
E-Fenpyroximate	104	7	6	101	7	7	110	7	7	110	9	8	1.5
Emamectin benzoate	149	9	6	125	3	2	109	12	11	106	7	7	1.5
Epoxiconazole	118	11	9	101	5	5	108	4	3	102	5	5	2.2
Eprinomectin		ND			86		97	13	13	108	8	8	1.0
Etaconazole	113	9	8	107	8	8	114	11	9	104	8	7	1.8
Ethaboxam	120	13	11	118	17	14	109	10	9	106	7	7	2.5
Ethiofencarb	104	20	19	103	9	9	102	8	8	107	5	5	4.4
Ethiprole	125	21	17	114	14	12	109	8	7	101	6	6	3.9
Ethirimol	94	12	13	83	5	6	91	10	11	97	6	6	3.0
Ethofumesate		108		95	10	10	105	10	9	101	9	9	6.7
Etoazole	112	5	5	104	3	3	113	7	6	109	7	6	1.1
Famoxadone	125	11	8	118	21	18	110	16	14	99	10	10	2.0
Fenamidone	104	7	6	93	6	6	105	5	5	103	5	5	1.5
Fenarimol		109		110	15	13	102	13	13	97	5	5	4.8
Fenazaquin	116	13	11	103	5	5	91	8	9	107	15	14	2.6
Fenbuconazole		109		89	17	19	102	11	11	104	5	5	2.0
Fenhexamid	64	20	31	62	12	20	60	5	9	59	5	9	7.2
Fenoxycarb	109	13	12	99	4	4	103	11	11	100	6	6	2.9
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	102	5	5	92	5	5	108	9	8	112	4	4	1.2
Flonicamid	129	14	11	103	10	10	110	10	9	102	5	5	2.5
Flubendiamide		ND			ND			96		71	13	18	46.8
Fludioxinil		ND		90	6	7	108	8	7	110	8	7	4.2
Flufenacet	102	22	22	98	6	6	102	5	5	99	4	4	5.1
Flufenoxuron	90	8	9	97	5	6	111	5	5	110	8	7	2.2
Fluometuron	110	5	4	103	9	9	110	9	8	108	7	7	1.0
Fluoxastrobin	117	13	11	110	19	17	113	3	3	106	5	5	2.6
Fluquinconazole	116	29	25	89	14	16	107	16	15	112	6	5	5.8
Flusilazole	118	13	11	110	11	10	112	7	6	102	9	9	2.5
Flutolanil	122	10	8	103	8	8	113	9	8	100	5	5	1.9
Flutriafol	ND			90	41	46	109	9	9	104	8	7	26.8
Forchlorfenuron	97	8	8	89	4	4	98	6	7	102	4	4	1.8
Formetanate HCl	113	10	9	103	13	13	88	9	10	82	11	13	2.1
Fuberidazole	95	4	5	86	3	3	97	6	6	104	3	3	1.1
Furalaxyl	108	4	4	96	4	5	106	6	5	101	3	3	0.9
Furathiocarb	99	13	13	80	7	9	87	9	10	87	6	7	3.1
Hexaconazole	106	16	15	91	12	13	100	6	6	99	5	5	3.6
Hexaflumuron		ND			125		122	14	11	111	5	5	12.4
Hexythiazox	105	13	13	97	5	5	118	10	9	108	8	8	3.0
Hydramethylnon	129	26	20	101	30	30	105	8	7	119	18	15	4.7
Imazalil	90	12	13	89	7	8	99	9	9	108	7	6	3.1
Imidacloprid	105	8	7	98	8	8	110	14	13	102	4	4	1.7
Indoxacarb		ND			ND		117	11	9	108	3	3	22.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	114	6	5	103	6	6	108	5	5	106	7	7	1.2
Iprovalicarb	112	7	6	97	6	6	107	4	4	103	5	5	1.5
Isoprocab	104	10	9	92	5	5	104	10	10	101	4	4	2.2
Isoproturon	105	6	6	97	3	3	104	3	3	99	8	8	1.4
Isoxaflutole	ND			100	13	13	99	12	12	94	8	9	7.8
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		145		99	15	16	107	21	19	107	10	9	4.3
Linuron	115	8	7	88	15	18	109	16	15	103	5	5	1.7
Lufenuron		137			113		104	8	7	111	14	12	6.4
Mandipropamide	100	8	8	87	6	7	105	4	3	96	6	7	1.9
Mefenacet	111	17	15	109	7	7	113	9	8	105	7	7	3.5
Mepanipyrim	104	13	12	106	11	11	113	9	8	109	6	6	2.9
Mepronil	112	10	9	91	8	9	102	8	8	102	4	4	2.2
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		137			115		114	12	10	102	8	8	3.5
Metalaxyl	106	6	6	100	12	12	112	7	6	110	5	4	1.4
Metconazole		98			92		106	6	6	109	11	10	3.0
Methabenzthiazuron	111	11	10	102	10	10	101	5	5	100	5	5	2.3
Methamidophos	98	10	10	94	13	14	91	9	9	94	14	15	2.3
Methiocarb	103	15	14	100	9	9	103	10	9	98	6	6	3.4
Methomyl	147	11	8	131	6	5	156	13	9	147	10	7	1.8
Methoprottryne	103	7	7	94	5	6	103	6	6	99	4	5	1.7
Methoxyfenozide	78	8	10	74	8	11	100	7	7	106	5	4	2.4
Metobromuron	111	16	15	102	14	13	100	5	5	95	3	4	3.5
Metribuzin	100	27	27	100	11	11	103	11	10	103	4	4	6.4
Mevinphos-E	88	3	4	85	9	10	107	9	8	105	5	5	0.9
Mevinphos-Z	100	5	5	93	3	3	110	9	8	103	5	4	1.2
Mexacarbate		103		105	18	17	103	12	12	104	6	5	1.6
Monocrotophos	108	8	8	96	5	6	104	9	9	106	8	8	1.8
Monolinuron	105	8	8	103	6	6	107	5	5	103	3	3	1.9
Moxidectin		ND			ND			161			118		33.0
Moxidectin+Na		ND			ND			145			109		33.3
Myclobutanil	99	11	11	84	6	7	112	15	13	106	9	9	2.7
Neburon	107	14	13	102	17	17	116	9	8	106	5	5	3.0
Nitenpyram	94	7	7	90	5	5	96	6	6	89	6	7	1.7
Novaluron	110	8	7	96	8	8	119	8	7	106	5	5	1.7
Nuarimol	119	19	16	111	7	6	109	9	8	102	7	7	3.7
Omethoate	107	10	9	94	9	10	102	9	9	96	10	10	2.2
Oxadixyl	108	9	8	98	1	1	103	10	9	108	8	7	1.9
Oxamyl	101	4	4	93	3	4	107	11	10	95	7	7	0.9
Paclobutrazol	95	10	11	100	7	7	120	22	18	113	10	9	2.5
Penconazole		104			88		102	6	6	100	6	6	2.0
Pencycuron	99	6	6	94	6	6	100	3	3	100	7	7	1.5
Phenmedipham	104	15	14	97	7	8	100	6	6	100	5	5	3.3
Picoxystrobin		107		101	13	12	107	9	8	100	4	4	2.1
Piperonyl butoxide	105	4	4	100	4	4	109	3	2	106	3	3	0.9
Pirimicarb	107	3	3	101	5	5	99	5	5	101	8	8	0.8
Prochloraz	124	10	8	106	11	10	105	3	3	99	4	4	1.9
Promecarb	108	11	10	102	9	9	112	15	13	99	3	3	2.3
Prometon	103	4	4	98	6	7	107	9	9	104	5	5	0.9
Prometryne	96	22	23	94	13	14	114	5	5	112	7	6	5.4
Propamocarb	173	13	8	135	14	10	104	11	10	89	7	8	1.8
Propargite	105	4	4	99	10	10	110	6	5	107	4	3	0.9
Propham	119	10	8	90	10	11	105	7	6	104	4	4	2.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	88	11	12	89	7	8	108	8	8	106	5	4	2.9
Propoxur	99	6	6	90	9	10	102	8	8	104	7	6	1.4
Pymetrozine	59	3	6	51	3	6	48	6	12	49	5	10	1.3
Pyracarbolid	100	9	9	95	6	6	103	6	6	97	6	7	2.1
Pyraclostrobin	104	6	6	88	6	6	103	5	5	101	4	4	1.3
Pyridaben		110			109		111	9	8	111	9	8	1.3
Pyrimethanil	112	20	18	112	8	7	108	5	5	105	7	7	4.2
Pyriproxyfen	111	4	4	100	3	3	106	6	6	108	6	6	0.9
Quinoxifen	110	24	22	100	7	7	108	11	11	113	7	7	5.1
Rotenone	116	11	10	107	7	7	110	10	9	103	4	4	2.2
Secbumeton	106	3	3	96	6	6	108	8	7	104	5	5	0.6
Siduron	119	3	3	106	6	5	108	7	6	103	7	7	0.6
Simetryne	100	7	7	101	9	9	108	8	7	114	9	8	1.7
SpinetoramA	106	6	6	97	8	9	113	10	9	111	7	6	1.4
SpinetoramB	102	3	3	99	12	12	115	5	4	108	6	5	0.6
Spinosad	102	7	7	116	12	11	113	4	3	107	10	10	1.6
Spirodiclofen	125	24	20	96	7	7	93	7	7	97	12	12	4.6
Spiromefesin	95	8	8	66	19	29	83	23	27	83	11	13	2.0
Spirotetramat	97	16	17	85	4	5	86	6	7	89	6	6	3.9
Spiroxamine	119	15	12	107	5	4	115	7	6	109	5	5	2.9
Sulfentrazone	66	6	10	96	23	24	73	8	10	83	6	7	2.3
Tebuconazole	98	13	13	90	6	6	104	6	5	98	8	8	3.1
Tebufenozide		126			112		100	10	10	96	11	12	5.1
Tebufenpyrad	101	17	17	104	8	8	114	8	7	109	6	5	3.9
Tebuthiuron	92	8	9	99	7	7	109	7	6	108	6	5	2.0
Teflubenzuron		ND			166		120	20	17	110	11	10	7.8
Temephos	107	14	13	109	6	5	114	7	6	111	4	4	3.0
Terbumeton	83	7	8	81	6	7	89	9	10	86	3	4	1.9
Terbutryne	100	5	5	99	6	7	105	6	6	97	8	8	1.2
Tetraconazole	92	10	11	98	6	7	105	8	7	98	2	2	2.6
Thiabendazole	85	3	3	79	3	4	95	7	8	108	1	1	0.8
Thiacloprid	100	5	5	92	5	5	103	9	9	112	7	6	1.2
Thiamethoxam	110	7	6	99	7	7	105	7	6	104	11	10	1.5
Thidiazuron	90	10	11	78	10	13	84	6	7	89	5	6	2.6
Thiobencarb	112	6	5	94	9	9	106	7	7	106	5	5	1.3
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	111	9	8	95	6	6	100	6	7	101	8	8	1.9
Triadimefon	107	22	20	113	5	4	108	7	6	107	6	6	4.8
Triadimenol	121	6	5	109	12	11	102	6	5	107	5	4	1.2
Trichlorfon	92	4	5	89	7	7	95	9	10	101	6	6	1.1
Tricyclazole	98	7	7	91	6	7	101	7	7	96	4	4	1.6
Trifloxystrobin	118	7	6	104	6	5	105	4	4	99	7	7	1.4
Triflumizole	102	5	5	102	4	4	108	5	5	107	6	5	1.2
Triflumuron	88	21	24	98	7	7	105	8	8	103	11	11	5.7
Triticonazole	96	13	14	105	7	6	114	15	13	106	8	8	3.2
Vamidothion	104	6	6	95	10	10	114	7	6	113	8	7	1.3
Zoxamide	113	14	13	92	11	12	107	5	5	101	7	7	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Orange													
3-Hydroxycarbofuran	102	5	5	98	3	3	96	6	6	102	4	4	1.2
Acephate	94	6	7	94	4	5	91	6	6	92	3	3	1.6
Acetamiprid	107	3	3	97	5	5	102	8	8	109	7	7	0.8
Acibenzolar-S-methyl	98	5	5	93	2	2	95	5	5	101	3	3	1.2
Alanycarb		108			109		104	8	8	110	10	9	2.4
Aldicarb sulfoxide	93	1	1	89	2	2	91	8	9	93	6	6	0.3
Aldicarb	111	7	6	105	2	2	103	5	5	107	3	3	1.5
Aldoxycarb	103	5	5	96	2	2	99	6	7	102	5	5	1.2
Ametryn	101	8	8	98	3	4	98	5	6	100	7	7	1.9
Aminocarb	101	1	1	103	3	3	106	5	5	115	8	7	0.3
Amitraz		ND			ND			ND		ND			ND
Avermectin B1a 1		ND			106		89	12	14	81	11	14	9.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	108	4	4	103	3	3	112	6	5	114	8	7	0.9
Benalaxyl	105	3	3	108	3	3	103	3	3	110	6	6	0.7
Bendiocarb	106	3	3	102	3	3	106	7	7	112	8	7	0.7
Benfuracarb	92	6	6	92	3	3	90	4	4	94	7	8	1.5
Benzoximate	103	10	10	99	5	5	96	2	2	105	7	7	2.4
Bifenazate	70	12	18	86	4	5	91	6	7	101	8	8	4.1
Bitertanol	104	10	10	104	8	8	100	4	4	106	5	5	2.3
Boscalid	102	8	7	101	6	6	109	4	3	111	7	7	1.7
BromuconazoleA	111	9	8	103	3	3	103	5	4	102	6	6	1.9
BromuconazoleB	103	4	4	105	5	5	97	5	5	106	8	7	1.0
Bupirimate	104	7	7	102	4	4	105	5	4	112	7	6	1.7
Buprofezin	117	11	9	108	4	3	89	11	12	95	14	15	2.2
Butafenacil	102	5	5	100	4	4	99	4	4	106	6	6	1.2
Butocarboxim	113	1	1	99	4	4	101	6	6	111	8	7	0.2
Butoxycarboxim	99	3	3	94	3	3	95	5	6	99	3	3	0.8
Carbaryl	101	7	7	100	4	4	96	4	4	102	4	4	1.6
Carbendazim	64	3	5	68	3	4	80	1	1	92	4	4	1.1
Carbetamide	101	4	4	95	6	7	95	6	7	98	3	3	1.0
Carbofuran	89	3	3	89	3	4	106	6	6	118	8	7	0.7
Carboxin	91	3	3	96	5	5	95	6	7	101	5	5	0.8
Carfentrazone-ethyl	101	11	11	106	7	7	105	2	2	112	5	4	2.5
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		ND			ND		97	5	6	101	7	7	13.1
Chlorotoluron	102	1	1	100	4	4	105	7	6	113	5	4	0.3
Chloroxuron	112	3	3	101	3	3	103	3	3	110	4	4	0.7
Clethodim	109	7	6	99	2	2	96	5	5	100	3	3	1.4
Clofentezine		115			110		104	3	3	106	5	5	0.7
Clothianidin	102	9	9	97	8	8	102	3	3	106	9	9	2.1
Cyazofamid	106	4	4	104	4	3	108	2	2	110	5	4	0.8
Cycluron	111	7	6	106	5	4	119	6	5	114	8	7	1.4
Cymoxanil	118	2	2	102	10	10	99	9	9	106	8	7	0.4
CyproconazoleA	107	10	10	108	5	4	100	3	3	101	8	8	2.3
CyproconazoleB	98	8	9	103	5	5	95	4	4	109	7	6	2.0
Cyprodinil	98	8	8	96	5	5	99	9	9	102	3	3	1.9
Cyromazine	ND			ND			47	6	12	48	10	21	28.6
Desmedipham	391	21	5	347	12	3	124	5	4	113	5	4	1.2
Diclobutrazol	101	10	10	106	8	7	104	5	5	110	4	4	2.4
Dicrotophos	98	3	3	97	3	3	98	5	5	104	5	5	0.7
Diethofencarb	107	6	6	109	2	2	112	6	5	114	8	7	1.3
Difenoconazole	108	5	5	105	5	5	98	2	2	103	7	7	1.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	111	8	7	112	3	2	106	9	9	112	8	7	1.6
Dimethoate	101	6	6	101	1	1	101	6	6	109	7	6	1.5
DimethomorphA	101	7	7	99	4	4	99	5	5	106	7	6	1.7
DimethomorphB	101	6	6	103	3	3	99	6	6	103	6	6	1.5
Dimoxystrobin	105	8	7	106	5	5	107	4	3	110	5	5	1.7
Diniconazole	93	11	12	103	4	4	99	4	4	104	7	6	2.8
Dinotefuran	109	1	1	92	5	5	95	9	10	102	4	4	0.3
Dioxacarb	107	2	2	98	1	1	104	5	5	103	4	4	0.5
Diuron	105	6	6	106	3	3	121	5	4	113	8	7	1.3
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			85			92		33.0
Emamectin	112	6	6	105	5	5	93	6	6	102	9	9	1.3
E-Fenpyroximate	99	6	6	100	2	2	96	2	2	101	4	4	1.4
Emamectin benzoate	107	9	8	105	4	3	102	5	5	115	6	5	1.9
Epoxiconazole	65	19	30	85	14	16	86	4	4	108	8	7	7.0
Eprinomectin		109			97		87	8	9	93	11	11	3.0
Etaconazole	75	22	29	98	12	12	99	7	7	111	7	6	6.8
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	119	8	7	103	3	3	95	3	3	108	2	2	1.6
Ethiprole	109	14	13	103	5	5	102	5	4	104	5	5	3.0
Ethirimol	ND			ND			50	24	48	52	22	42	ND
Ethofumesate		105		110	2	2	114	3	3	118	8	7	1.3
Etoazole	104	1	1	100	3	3	100	2	2	105	6	6	0.2
Famoxadone	118	10	8	108	15	14	109	8	7	106	6	6	2.0
Fenamidone	102	5	5	103	5	5	105	6	6	107	4	4	1.1
Fenarimol		132		104	2	2	105	6	6	104	10	10	2.1
Fenazaquin	102	7	7	97	5	6	99	11	11	94	9	10	1.7
Fenbuconazole		91		96	5	5	99	1	1	106	7	6	0.8
Fenhexamid	104	12	12	105	3	3	108	3	3	106	6	5	2.8
Fenoxycarb	106	12	11	104	3	3	109	9	8	118	9	7	2.7
Fenpropimorph		104			100			102			108		1.0
Fenuron	102	4	4	96	5	5	98	5	5	109	7	6	0.9
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND			ND		ND
Fludioxinil		121		106	13	12	114	18	16	111	6	6	4.4
Flufenacet	99	3	3	105	3	3	104	9	9	113	6	5	0.6
Flufenoxuron	106	9	8	99	6	6	89	5	6	97	8	8	2.0
Fluometuron	105	5	5	104	4	4	110	5	5	118	6	5	1.2
Fluoxastrobin	111	9	8	104	4	4	101	3	3	105	7	7	2.0
Fluquinconazole	127	19	15	112	6	6	99	3	3	101	8	8	3.4
Flusilazole	107	11	10	104	4	3	105	5	5	110	5	4	2.4
Flutolanil	110	4	3	105	2	2	116	3	2	124	9	7	0.8
Flutriafol	106	5	5	99	3	3	107	5	5	110	8	8	1.2
Forchlorfenuron	104	6	6	100	4	4	98	4	4	102	7	7	1.3
Formetanate HCl	79	4	5	72	1	2	78	6	8	84	2	2	1.1
Fuberidazole	100	2	2	95	2	2	100	8	8	104	5	5	0.5
Furalaxyl	107	4	3	110	3	3	120	5	4	120	9	8	0.8
Furathiocarb	305	16	5	262	11	4	124	5	4	111	9	8	1.2
Hexaconazole	112	4	4	103	2	2	103	3	3	108	6	6	0.8
Hexaflumuron		ND			ND		111	2	2	110	9	9	5.3
Hexythiazox	101	8	8	99	2	2	94	3	3	99	7	7	1.9
Hydramethylnon	93	5	5	90	1	1	100	4	4	112	7	6	1.3
Imazalil	27	9	33	80	9	12	92	5	6	102	5	5	7.8
Imidacloprid	110	11	10	93	7	7	99	8	8	101	5	5	2.3
Indoxacarb		ND			102		104	10	10	105	7	7	2.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	108	4	4	105	2	2	101	2	2	108	6	5	1.0
Iprovalicarb	105	8	8	98	6	6	113	5	5	114	7	7	1.8
Isoprocarb	106	5	5	105	5	4	105	3	3	110	7	7	1.2
Isoproturon	110	5	5	107	4	4	107	5	4	112	7	6	1.1
Isoxaflutole	ND			ND			107	7	7	101	13	13	15.6
Ivermectin		ND			ND			100			79		4.8
Ivermectin+NH4		ND			104			98			102		4.9
Kresoxim-methyl		ND		98	10	10	104	7	7	108	11	10	6.1
Linuron	99	6	6	103	6	6	112	11	10	120	6	5	1.5
Lufenuron		151			117		97	7	8	99	5	5	0.4
Mandipropamide	104	8	8	101	5	5	108	7	6	112	8	7	1.9
Mefenacet	100	4	4	105	3	3	104	9	8	110	8	7	0.8
Mepanipyrim	100	3	3	102	5	5	103	4	4	108	7	6	0.8
Mepronil	101	4	4	104	5	5	113	7	6	115	10	9	1.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	104	4	4	106	3	2	104	5	5	110	7	6	0.9
Metconazole		108			103		102	4	4	107	5	5	1.6
Methabenzthiazuron	102	4	4	102	7	7	105	8	7	107	4	4	0.9
Methamidophos	103	15	15	83	13	16	80	7	8	90	9	10	3.5
Methiocarb	102	6	6	97	2	3	108	8	8	115	7	6	1.4
Methomyl	101	4	4	102	3	3	101	5	5	108	6	6	0.9
Methoprotryne	107	4	4	105	3	2	108	8	8	112	8	7	0.9
Methoxyfenozide	104	3	2	99	3	3	103	7	7	112	7	6	0.6
Metobromuron	115	10	8	102	6	6	102	2	2	108	10	9	2.0
Metribuzin	92	2	2	92	6	7	104	5	5	114	11	10	0.5
Mevinphos-E	105	6	6	99	7	7	104	10	10	108	7	7	1.3
Mevinphos-Z	103	3	3	98	7	8	103	8	8	112	8	8	0.8
Mexacarbate		101		97	2	2	96	4	4	103	5	5	0.8
Monocrotophos	98	2	2	93	2	2	91	8	8	103	7	6	0.4
Monolinuron	105	2	2	101	3	3	105	8	8	111	4	3	0.5
Moxidectin		ND			ND			110			101		14.8
Moxidectin+Na		ND			ND			94			103		11.4
Myclobutanil	105	5	5	104	6	6	104	4	3	109	6	5	1.2
Neburon	94	11	12	108	3	3	107	8	7	112	6	5	2.8
Nitenpyram	99	7	7	90	2	2	85	6	7	89	4	5	1.7
Novaluron	111	7	7	98	4	4	100	5	5	107	9	8	1.5
Nuarimol	103	3	3	99	4	4	103	3	3	107	5	5	0.7
Omethoate	104	3	2	92	2	2	102	7	7	119	3	3	0.6
Oxadixyl	104	3	3	100	3	3	99	5	5	106	4	4	0.7
Oxamyl	95	12	13	97	2	2	98	3	3	104	4	4	3.0
Paclobutrazol	101	7	7	100	3	3	104	5	5	109	5	5	1.7
Penconazole		102			102		103	6	6	107	7	6	1.7
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	374	14	4	329	7	2	124	4	4	114	7	6	0.9
Picoxystrobin		104		112	3	3	110	4	4	114	10	9	1.4
Piperonyl butoxide	94	3	3	90	1	1	102	5	5	108	4	4	0.8
Pirimicarb	105	4	4	102	4	3	107	4	4	115	6	5	1.0
Prochloraz	100	5	5	98	3	3	97	2	3	106	6	6	1.2
Promecarb	105	4	4	104	3	3	117	2	2	118	7	6	0.8
Prometon	106	7	6	101	3	3	105	3	3	110	7	6	1.5
Prometryne	105	8	8	94	3	4	106	4	4	110	12	11	1.8
Propamocarb	96	6	6	88	2	2	94	5	6	93	8	8	1.4
Propargite	107	6	5	102	3	3	99	4	4	103	9	9	1.3
Propham	103	10	9	107	13	12	102	6	6	106	8	7	2.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	107	9	8	104	5	5	101	5	5	106	8	8	1.9
Propoxur	105	6	6	102	3	3	111	4	4	115	7	6	1.4
Pymetrozine	108	11	10	91	4	4	108	13	12	90	7	7	2.4
Pyracarbolid	106	3	3	103	4	4	104	6	6	112	4	4	0.7
Pyraclostrobin	107	2	2	106	5	4	105	7	7	109	7	7	0.4
Pyridaben		101			97		97	5	5	103	5	5	0.8
Pyrimethanil	104	11	10	106	8	7	104	4	4	109	11	10	2.4
Pyriproxyfen	105	4	4	105	1	1	102	5	5	105	7	7	0.9
Quinoxifen	95	6	7	93	3	3	93	3	4	103	7	7	1.6
Rotenone	126	11	9	112	8	7	99	6	6	117	10	8	2.1
Secbumeton	102	8	8	99	2	2	101	6	5	104	7	7	2.0
Siduron	113	7	6	108	6	6	111	6	5	115	7	6	1.4
Simetryne	101	2	2	98	3	3	102	4	4	108	7	7	0.6
SpinetoramA	ND			117	14	12	97	7	7	98	10	10	7.2
SpinetoramB	ND			ND			84	32	38	84	22	26	ND
Spinosad	101	5	5	97	6	6	96	2	2	104	6	6	1.1
Spirodiclofen	ND			142	3	2	95	3	3	94	3	4	1.3
Spiromefesin	105	8	7	101	2	2	99	4	4	103	5	5	1.8
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	104	1	1	100	4	4	103	5	5	112	9	8	0.3
Sulfentrazone	118	6	5	101	6	6	100	2	2	104	6	5	1.2
Tebuconazole	93	15	16	100	5	5	107	9	8	112	5	4	3.7
Tebufenozide		101			100		99	2	2	101	3	3	2.7
Tebufenpyrad	105	5	5	108	7	6	97	3	3	100	9	9	1.1
Tebuthiuron	103	5	5	101	2	2	99	4	4	104	5	5	1.1
Teflubenzuron		ND			128		107	7	7	103	6	5	4.7
Temephos	ND			ND			ND			ND			ND
Terbumeton	100	3	3	98	3	3	103	9	8	109	5	5	0.7
Terbutryne	108	5	5	102	3	3	103	11	11	109	10	10	1.1
Tetraconazole	112	13	12	102	5	5	99	7	7	107	8	7	2.8
Thiabendazole	ND			ND			88	7	8	95	4	4	19.6
Thiacloprid	102	5	5	100	3	3	96	4	4	102	5	5	1.2
Thiamethoxam	97	5	5	94	4	4	96	3	3	103	7	6	1.1
Thidiazuron	ND			133	3	2	93	4	4	91	4	4	1.1
Thiobencarb	100	9	9	101	6	6	102	8	8	103	7	6	2.1
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	304	11	3	250	8	3	129	5	4	113	6	6	0.8
Triadimefon	109	3	3	101	4	4	105	3	3	108	7	7	0.8
Triadimenol	107	9	8	108	8	7	106	4	4	111	5	5	1.9
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	98	4	4	98	2	2	100	6	6	105	8	7	0.9
Trifloxystrobin	100	6	6	103	5	5	103	6	6	111	8	7	1.4
Triflumizole	117	10	8	106	4	4	93	9	9	101	13	13	1.9
Triflumuron	104	9	8	106	4	4	103	6	6	109	3	3	2.0
Triticonazole	109	8	7	104	6	6	99	6	6	107	6	5	1.7
Vamidothion	101	7	7	94	1	1	99	5	5	104	7	7	1.7
Zoxamide	119	9	8	112	5	4	106	5	5	111	9	8	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Peach													
3-Hydroxycarbofuran	103	4	4	106	5	5	109	4	4	106	2	2	0.9
Acephate	97	4	5	96	7	7	97	7	7	99	4	4	1.1
Acetamiprid	100	2	2	105	3	3	110	4	4	106	3	3	0.4
Acibenzolar-S-methyl	103	4	4	100	4	4	107	6	6	105	4	4	0.9
Alanycarb		91			96		97	3	3	94	6	6	2.9
Aldicarb sulfoxide	98	2	3	96	5	6	100	5	5	97	3	3	0.6
Aldicarb	98	5	5	106	7	6	105	3	3	106	4	4	1.2
Aldoxycarb	104	2	2	102	5	5	102	5	5	101	4	4	0.5
Ametryn	99	4	4	105	3	3	103	3	3	105	2	2	0.9
Aminocarb	109	3	2	111	4	4	104	5	5	101	2	2	0.6
Amitraz		ND			ND			ND		105	8	8	ND
Avermectin B1a 1		ND			116		91	12	13	94	5	6	9.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	103	4	4	111	7	6	119	6	5	112	5	4	1.0
Benalaxyl	105	4	4	106	5	4	109	5	5	107	4	3	1.0
Bendiocarb	108	1	1	109	6	5	116	2	2	111	7	6	0.2
Benfuracarb	74	5	6	79	3	4	76	4	5	69	2	2	1.5
Benzoximate	97	5	5	105	9	9	106	8	7	98	1	1	1.1
Bifenazate	21	2	9	36	6	16	32	6	18	20	6	32	2.2
Bitertanol	98	6	6	100	3	3	99	4	4	100	2	2	1.5
Boscalid	114	10	9	113	9	8	112	3	3	103	3	3	2.0
BromuconazoleA	106	7	7	105	3	3	108	5	4	102	3	3	1.6
BromuconazoleB	109	7	7	105	6	6	108	3	3	101	2	2	1.5
Bupirimate	103	4	4	105	5	5	114	3	2	106	1	1	1.0
Buprofezin	105	4	3	104	2	2	111	3	3	102	2	2	0.8
Butafenacil	104	6	6	105	4	4	109	4	4	103	3	3	1.4
Butocarboxim	94	5	5	104	4	4	107	1	1	105	5	4	1.1
Butoxycarboxim	101	5	5	102	5	4	101	5	5	100	3	3	1.2
Carbaryl	100	8	8	106	11	10	106	4	4	105	4	4	2.0
Carbendazim	72	2	2	76	4	5	90	4	4	96	3	4	0.5
Carbetamide	99	3	3	102	7	7	103	5	5	103	4	4	0.7
Carbofuran	98	3	3	100	2	2	117	5	4	113	3	3	0.8
Carboxin	94	5	6	104	8	7	104	5	5	103	3	3	1.3
Carfentrazone-ethyl	102	5	5	104	3	3	112	5	4	106	5	4	1.1
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		107			118		101	4	4	100	3	3	1.5
Chlorotoluron	105	3	3	109	6	5	113	3	3	110	4	4	0.7
Chloroxuron	101	5	5	111	9	8	113	2	2	107	2	2	1.1
Clethodim	92	9	9	96	4	4	94	2	2	89	2	2	2.2
Clofentezine		104			101		108	2	2	104	2	2	2.0
Clothianidin	108	5	5	110	5	4	111	4	3	106	3	3	1.2
Cyazofamid	105	4	4	107	5	5	120	10	8	108	7	6	1.0
Cycluron	111	2	1	114	7	6	122	5	4	111	4	3	0.3
Cymoxanil	106	9	8	111	7	6	108	4	4	106	2	2	1.9
CyproconazoleA	102	3	3	108	5	4	110	2	1	106	3	3	0.8
CyproconazoleB	103	8	8	106	8	7	110	4	4	107	2	2	1.9
Cyprodinil	100	5	5	105	10	9	109	4	4	102	2	2	1.1
Cyromazine	ND			ND			138	10	7	87	3	3	16.3
Desmedipham	373	33	9	394	18	4	125	7	5	112	2	2	2.1
Diclobutrazol	100	5	5	108	5	4	107	3	3	102	4	4	1.2
Dicrotophos	97	2	2	99	3	3	100	4	4	101	5	5	0.4
Diethofencarb	106	7	7	112	4	4	116	5	4	111	2	2	1.5
Difenoconazole	103	5	4	102	7	6	103	3	2	98	1	1	1.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	103	5	4	106	4	4	114	6	5	103	3	3	1.0
Dimethoate	99	6	6	104	3	3	110	3	3	105	3	3	1.4
DimethomorphA	99	12	12	103	9	8	103	4	4	100	3	3	2.8
DimethomorphB	103	10	9	107	3	3	103	5	5	101	3	3	2.2
Dimoxystrobin	107	8	7	109	5	5	114	6	5	107	3	3	1.7
Diniconazole	111	5	4	101	5	5	103	4	4	102	4	3	1.0
Dinotefuran	100	6	6	100	7	7	102	7	7	99	3	3	1.3
Dioxacarb	102	2	2	107	7	7	116	5	5	108	3	3	0.5
Diuron	117	3	2	113	5	5	125	7	6	106	2	2	0.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			98			83		44.8
Emamectin	101	3	3	104	5	5	106	2	2	109	3	3	0.8
E-Fenpyroximate	94	3	3	101	7	7	94	4	4	96	2	2	0.7
Emamectin benzoate	99	6	6	102	6	6	107	3	2	112	3	3	1.3
Epoxiconazole	86	7	8	101	4	4	109	3	2	107	4	4	1.8
Eprinomectin					97		89	8	9	92	5	5	5.1
Etaconazole	89	8	9	104	7	7	104	2	2	104	2	2	2.1
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	98	4	4	98	5	6	103	5	4	104	7	7	0.9
Ethiprole	107	3	2	113	5	5	118	2	2	105	1	1	0.6
Ethirimol	ND			ND			86	16	19	65	9	14	43.7
Ethofumesate		109		117	5	4	118	3	3	110	3	2	1.3
Etoxazole	99	5	5	101	4	4	102	3	3	98	1	1	1.2
Famoxadone	98	14	14	106	10	10	101	4	4	99	4	4	3.3
Fenamidone	98	3	3	107	10	9	108	3	3	108	3	2	0.8
Fenarimol		112		99	11	11	107	6	5	106	4	3	3.7
Fenazaquin	96	11	12	104	5	5	90	8	9	98	5	6	2.7
Fenbuconazole		93		104	9	9	106	3	3	105	2	2	1.0
Fenhexamid	111	9	8	101	6	6	107	4	3	102	4	4	2.0
Fenoxycarb	108	8	7	108	5	5	119	4	4	109	1	1	1.7
Fenpropimorph		105			107			106			104		0.6
Fenuron	104	3	3	109	6	6	108	4	4	104	1	1	0.6
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND			ND		ND
Fludioxinil		128		117	3	3	112	2	2	101	6	6	4.5
Flufenacet	102	3	3	107	7	6	115	4	4	107	2	2	0.7
Flufenoxuron	97	4	4	99	4	4	104	2	2	103	3	3	1.0
Fluometuron	107	3	3	110	4	4	117	3	3	110	4	4	0.7
Fluoxastrobin	102	8	8	106	4	4	109	4	4	106	2	2	2.0
Fluquinconazole	105	12	11	110	8	8	103	8	8	102	4	4	2.6
Flusilazole	106	10	10	104	5	5	109	2	2	102	3	2	2.3
Flutolanil	109	6	6	108	4	4	123	5	4	106	1	1	1.4
Flutriafol	107	7	6	109	5	5	109	4	4	107	6	6	1.4
Forchlorfenuron	97	4	4	99	5	5	100	3	3	97	3	3	0.9
Formetanate HCl	86	5	6	87	6	6	83	4	5	87	3	4	1.5
Fuberidazole	98	3	3	102	4	4	106	6	5	104	3	3	0.6
Furalaxyl	112	2	2	113	7	6	124	4	3	116	5	5	0.4
Furathiocarb	296	21	7	277	15	5	124	8	6	110	3	3	1.7
Hexaconazole	107	2	2	108	4	4	107	4	4	105	3	3	0.4
Hexaflumuron		99			102		94	10	11	94	6	7	5.0
Hexythiazox	98	5	5	102	6	6	99	1	1	97	2	2	1.3
Hydramethylnon	74	4	6	56	4	8	67	1	1	80	4	5	1.4
Imazalil	109	7	6	109	7	6	103	3	3	104	3	3	1.5
Imidacloprid	104	8	8	104	7	7	116	5	5	103	4	4	1.9
Indoxacarb		113			108		105	6	6	97	5	5	1.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	98	6	6	101	4	4	107	3	2	103	2	2	1.4
Iprovalicarb	106	6	5	112	6	5	113	2	2	109	1	1	1.3
Isoprocarb	106	6	6	107	4	4	112	3	3	111	2	2	1.4
Isoproturon	115	5	5	113	6	5	116	3	3	108	2	2	1.1
Isoxaflutole	134	10	8	170	13	8	112	8	8	95	6	6	1.8
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		83			94			89			87		2.8
Kresoxim-methyl		110		106	8	8	120	13	10	107	9	8	3.3
Linuron	121	15	12	109	8	7	116	4	3	102	4	4	2.9
Lufenuron		132			116		107	8	7	101	3	3	3.4
Mandipropamide	105	6	5	113	7	6	116	6	5	108	4	4	1.2
Mefenacet	104	4	4	110	5	5	116	4	3	111	4	4	1.0
Mepanipyrim	98	5	5	100	4	4	109	5	5	101	4	4	1.3
Mepronil	107	1	1	107	5	4	119	7	6	108	4	3	0.3
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	107	1	1	109	7	7	110	5	4	109	3	3	0.3
Metconazole		103			101		104	3	3	102	2	2	1.6
Methabenzthiazuron	105	3	3	108	5	5	111	3	3	107	5	4	0.7
Methamidophos	92	2	2	94	7	7	93	4	4	91	2	2	0.5
Methiocarb	106	5	5	112	7	6	123	5	4	112	4	3	1.2
Methomyl	105	2	2	105	5	4	113	2	2	109	2	2	0.4
Methoprotryne	107	2	2	110	5	5	118	4	3	111	1	1	0.5
Methoxyfenozide	103	4	4	103	7	6	113	5	5	102	8	8	1.0
Metobromuron	106	8	8	119	10	8	106	3	3	107	6	6	1.8
Metribuzin	102	5	5	112	6	6	108	5	5	104	5	5	1.1
Mevinphos-E	102	2	2	104	5	5	110	3	3	107	5	4	0.4
Mevinphos-Z	104	2	2	103	5	5	110	4	4	104	2	2	0.6
Mexacarbate		104		105	5	5	102	2	2	101	3	3	0.4
Monocrotophos	96	2	2	98	5	5	99	6	6	98	4	4	0.6
Monolinuron	105	5	5	107	4	4	112	4	4	110	3	2	1.2
Moxidectin		ND			ND			108			101		13.3
Moxidectin+Na		ND			ND			89			92		20.6
Myclobutanil	108	11	10	97	3	3	107	5	5	103	2	2	2.4
Neburon	106	5	5	108	5	5	117	3	3	106	3	3	1.2
Nitenpyram	102	5	5	97	5	5	95	3	3	94	4	4	1.1
Novaluron	101	12	12	95	8	8	109	2	2	97	4	4	2.9
Nuarimol	97	3	3	103	8	8	102	8	8	101	2	2	0.7
Omethoate	99	3	3	95	6	7	102	6	6	105	2	2	0.6
Oxadixyl	108	1	1	108	6	5	105	5	4	106	2	2	0.3
Oxamyl	102	4	4	103	7	7	111	3	3	106	4	4	0.9
Paclobutrazol	105	9	8	106	2	2	111	5	5	106	2	2	1.9
Penconazole		110			108		114	6	5	108	1	1	1.1
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	352	38	11	365	17	5	129	3	2	111	3	3	2.6
Picoxystrobin		104		106	5	5	112	5	4	108	2	2	0.3
Piperonyl butoxide	61	4	7	93	7	7	113	5	5	105	3	3	1.7
Pirimicarb	109	5	4	112	5	5	114	4	3	108	2	2	1.0
Prochloraz	98	5	6	99	3	3	99	3	3	98	3	3	1.3
Promecarb	107	4	4	110	5	4	121	4	3	108	2	2	0.9
Prometon	104	3	3	108	2	2	110	4	4	107	2	2	0.6
Prometryne	102	0	0	108	7	6	109	5	5	103	4	3	0.1
Propamocarb	91	3	3	98	6	6	98	6	6	102	6	6	0.7
Propargite	99	4	4	101	3	3	105	3	3	99	3	3	0.9
Propham	108	7	6	119	4	4	105	3	3	107	3	2	1.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	100	3	3	107	4	4	106	4	3	103	2	2	0.8
Propoxur	105	7	7	111	6	6	111	1	1	109	3	3	1.6
Pymetrozine	103	4	4	103	7	7	99	4	4	96	5	5	0.9
Pyracarbolid	101	4	4	106	6	6	109	3	3	109	3	3	0.9
Pyraclostrobin	106	3	3	108	7	6	111	5	4	104	0	0	0.7
Pyridaben		91			95		97	3	3	96	3	3	1.8
Pyrimethanil	102	9	9	108	11	11	109	4	4	104	2	2	2.1
Pyriproxyfen	101	5	5	101	4	4	106	5	5	99	2	2	1.2
Quinoxifen	101	4	4	104	6	5	101	5	5	100	3	3	1.0
Rotenone	100	7	7	106	3	3	105	7	7	102	4	4	1.6
Secbumeton	102	5	5	109	4	4	107	5	5	104	1	0	1.1
Siduron	112	3	3	109	5	5	118	6	5	105	4	3	0.6
Simetryne	104	3	3	106	5	4	101	4	4	103	4	3	0.7
SpinetoramA	107	12	12	121	9	7	109	8	8	96	4	4	2.7
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	101	2	2	103	6	6	104	4	4	105	2	2	0.4
Spirodiclofen	ND			ND			102	4	4	91	2	2	10.1
Spiromefesin	102	5	5	100	4	4	103	4	4	99	3	3	1.2
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	102	1	1	107	5	5	110	5	5	109	3	2	0.2
Sulfentrazone	111	7	6	114	11	9	105	4	4	101	3	3	1.5
Tebuconazole	93	7	7	108	8	8	102	2	2	102	3	3	1.7
Tebufenozide		93			107		115	10	9	104	4	4	1.2
Tebufenpyrad	103	4	4	101	6	6	100	4	4	94	3	3	1.0
Tebuthiuron	110	4	3	109	7	6	102	2	2	104	3	3	0.8
Teflubenzuron		ND			138		109	7	7	98	3	3	3.7
Temephos	ND			ND			ND			ND			ND
Terbumeton	106	2	2	110	5	5	108	2	2	109	3	3	0.5
Terbutryne	107	2	2	108	4	4	119	4	3	112	5	4	0.5
Tetraconazole	100	2	2	102	6	6	104	4	4	101	5	5	0.5
Thiabendazole	101	4	4	99	4	4	105	4	4	102	3	3	0.9
Thiacloprid	102	5	5	107	5	5	102	6	6	107	7	6	1.2
Thiamethoxam	101	2	2	103	4	3	108	5	5	106	3	3	0.5
Thidiazuron	119	4	3	122	4	4	99	5	5	92	2	2	0.8
Thiobencarb	98	7	7	104	9	9	108	3	3	99	5	5	1.6
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	310	20	6	320	9	3	130	6	4	112	5	4	1.5
Triadimefon	102	6	6	105	5	5	111	5	4	109	0	0	1.4
Triadimenol	107	4	3	109	4	4	111	4	3	107	3	3	0.8
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	102	3	3	106	8	7	106	4	3	105	2	2	0.7
Trifloxystrobin	102	7	7	107	5	5	107	5	5	100	2	2	1.6
Triflumizole	104	3	3	103	2	2	114	6	5	102	4	4	0.7
Triflumuron	105	3	3	106	8	8	106	3	3	101	3	3	0.7
Triticonazole	97	10	10	104	3	3	108	4	3	105	4	3	2.4
Vamidothion	107	5	5	110	4	4	112	3	3	108	3	2	1.1
Zoxamide	106	5	5	108	6	5	106	3	3	101	3	3	1.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Pepper (Bell)													
3-Hydroxycarbofuran	119	6	5	111	4	4	104	10	9	98	13	13	1.1
Acephate	107	9	8	102	8	8	81	11	14	84	20	24	1.9
Acetamiprid	116	8	7	120	4	3	102	18	18	93	31	33	1.6
Acibenzolar-S-methyl	115	8	7	117	3	3	99	16	16	98	24	25	1.6
Alanycarb		128			120		89	16	18	88	28	32	4.8
Aldicarb sulfoxide	105	8	8	101	8	8	80	12	16	82	23	28	1.8
Aldicarb	114	12	11	114	15	13	91	5	5	107	31	29	2.5
Aldoxycarb	135	8	6	128	6	5	120	21	17	123	32	26	1.4
Ametryn	116	5	4	108	6	6	93	11	12	95	21	22	1.0
Aminocarb	121	3	2	119	6	5	102	14	14	106	23	22	0.6
Amitraz		ND			ND			ND		76	15	20	ND
Avermectin B1a 1		ND			ND		125	44	36	92	19	21	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	116	5	5	113	5	5	96	13	14	99	28	28	1.1
Benalaxyl	114	3	2	102	3	2	102	7	7	99	14	14	0.5
Bendiocarb	117	6	5	118	8	6	102	18	17	101	29	29	1.1
Benfuracarb	109	8	7	105	5	4	81	4	5	98	18	18	1.7
Benzoximate	92	23	25	92	17	18	89	15	17	99	21	21	5.9
Bifenazate	50	12	24	16	4	23	7	1	20	14	8	54	5.6
Bitertanol	132	19	14	112	16	14	93	11	12	106	24	23	3.3
Boscalid	116	16	14	96	11	11	87	12	14	94	21	23	3.2
BromuconazoleA	115	22	19	94	8	9	89	8	9	93	16	18	4.4
BromuconazoleB	99	13	13	110	12	11	99	6	6	96	15	16	3.2
Bupirimate	100	11	11	99	5	5	95	4	4	97	14	14	2.7
Buprofezin	ND			72	11	15	124	40	32	126	19	15	9.1
Butafenacil	115	12	11	117	10	9	96	13	14	98	25	26	2.5
Butocarboxim	72	11	16	85	11	13	81	9	11	77	12	16	3.7
Butoxycarboxim	122	4	3	124	6	5	105	18	17	106	27	25	0.8
Carbaryl	125	10	8	112	11	10	100	11	11	96	17	17	1.9
Carbendazim	117	4	3	115	5	4	107	15	14	110	30	27	0.8
Carbetamide	108	8	8	107	13	12	91	15	16	90	18	20	1.8
Carbofuran	110	7	6	114	7	6	102	13	12	109	30	27	1.4
Carboxin	117	5	4	101	3	3	90	10	11	90	15	17	1.0
Carfentrazone-ethyl	103	11	10	114	7	6	91	8	9	95	19	20	2.5
Chlorantraniliprole	130	45	35	107	12	12	100	22	22	104	27	26	8.2
Chlorfluazuron		100			126		113	12	11	112	11	10	3.0
Chlorotoluron	127	11	9	122	8	7	107	20	18	102	23	22	2.1
Chloroxuron	101	13	12	112	6	5	103	16	15	97	18	18	2.9
Clethodim	84	17	21	77	13	17	65	6	10	63	9	14	4.8
Clofentezine		106			102		94	7	8	97	15	15	1.6
Clothianidin	133	16	12	109	7	7	112	6	5	115	12	11	2.9
Cyazofamid	112	12	10	106	7	7	104	8	7	96	16	17	2.4
Cycluron	119	17	14	109	5	5	101	19	19	104	26	25	3.4
Cymoxanil	127	5	4	133	8	6	110	14	13	106	19	18	1.0
CyproconazoleA	153	9	6	123	5	4	100	10	10	98	20	20	1.4
CyproconazoleB	162	22	13	121	8	7	101	17	17	100	23	23	3.2
Cyprodinil	101	10	10	93	10	11	99	14	14	95	18	19	2.2
Cyromazine	128	13	10	95	9	10	65	12	19	67	18	27	2.4
Desmedipham	112	7	6	96	11	11	83	12	14	89	19	21	1.5
Diclobutrazol	173	22	13	121	5	4	98	9	10	98	18	18	3.1
Dicrotophos	124	6	5	127	5	4	110	19	17	113	20	18	1.1
Diethofencarb	119	5	5	117	4	3	103	11	11	88	26	30	1.1
Difenoconazole	92	18	20	94	7	8	98	11	11	103	10	10	4.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	159	15	9	106	10	9	93	13	14	83	15	18	2.2
Dimethoate	115	7	6	118	5	4	110	9	8	117	19	17	1.5
DimethomorphA	128	16	13	122	5	4	100	21	21	103	29	28	3.0
DimethomorphB	135	8	6	125	2	1	101	12	12	101	22	22	1.3
Dimoxystrobin	123	13	10	119	4	4	101	11	11	100	21	21	2.4
Diniconazole	125	9	7	99	11	11	90	18	20	94	18	19	1.8
Dinotefuran	106	11	10	113	7	6	90	13	14	80	21	27	2.4
Dioxacarb	130	5	4	133	7	5	114	20	17	106	21	20	0.9
Diuron	109	6	5	119	6	5	100	5	5	96	20	21	1.2
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	ND			119	3	2	121	10	8	117	12	10	1.4
E-Fenpyroximate	123	4	4	125	7	6	110	12	11	107	14	13	0.9
Emamectin benzoate	145	9	7	115	4	3	113	7	6	114	16	14	1.5
Epoxiconazole	154	18	12	122	13	11	93	4	5	97	17	17	2.7
Eprinomectin		ND			ND		119	10	8	108	7	6	19.7
Etaconazole	145	15	10	142	18	12	113	18	16	100	16	16	2.5
Ethaboxam	119	9	7	104	8	7	91	14	16	92	18	20	1.8
Ethiofencarb	121	9	8	109	8	7	94	15	16	94	16	17	1.8
Ethiprole	136	17	13	124	16	13	101	18	17	100	22	22	3.0
Ethirimol	103	5	4	109	5	5	91	11	12	89	21	24	1.0
Ethofumesate		124		121	10	8	93	14	15	87	20	23	2.9
Etoxazole	109	4	4	108	2	2	100	10	10	104	16	15	0.9
Famoxadone	117	29	25	98	14	15	95	11	12	103	21	20	5.8
Fenamidone	118	5	4	108	20	19	86	6	7	91	22	24	0.9
Fenarimol		183		102	20	19	83	5	5	90	19	21	2.1
Fenazaquin	96	13	13	101	7	7	84	19	22	65	22	33	3.2
Fenbuconazole		105		101	7	7	95	5	6	99	18	19	3.8
Fenhexamid	109	13	12	77	3	4	59	4	6	59	14	23	2.8
Fenoxycarb	110	11	10	97	5	5	90	13	15	81	13	17	2.3
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	162	6	4	153	10	6	124	22	18	103	8	8	0.9
Flonicamid	ND			141	11	8	111	19	17	100	21	21	4.6
Flubendiamide		ND			ND			ND		68	4	5	ND
Fludioxinil		133		116	20	17	96	8	8	76	18	24	1.0
Flufenacet	109	7	6	105	10	9	101	12	12	105	20	19	1.4
Flufenoxuron	106	13	12	112	8	7	139	40	28	135	27	20	2.9
Fluometuron	128	3	2	125	10	8	105	16	16	105	23	22	0.5
Fluoxastrobin	111	8	7	110	17	15	87	6	7	98	18	18	1.7
Fluquinconazole	101	16	16	102	12	12	91	7	8	97	12	13	3.7
Flusilazole	113	9	8	100	9	9	98	8	8	91	10	11	1.9
Flutolanil	121	4	4	112	9	8	96	6	7	87	23	27	0.8
Flutriafol	120	10	8	113	7	6	99	12	12	105	23	22	2.0
Forchlorfenuron	109	3	3	92	5	5	88	13	15	81	16	20	0.6
Formetanate HCl	113	5	4	106	7	6	79	13	17	82	21	25	1.1
Fuberidazole	116	6	5	108	4	4	92	16	18	94	21	22	1.2
Furalaxyl	125	9	8	112	7	6	101	16	16	96	21	22	1.8
Furathiocarb	85	9	11	92	8	8	99	18	19	94	9	10	2.5
Hexaconazole	105	16	15	110	18	16	99	10	10	101	18	18	3.5
Hexaflumuron		ND			130		93	12	13	116	31	26	8.4
Hexythiazox	102	18	18	104	18	17	109	10	9	115	11	9	4.3
Hydramethylnon	111	3	2	96	8	9	82	11	14	85	15	18	0.5
Imazalil	114	19	16	94	6	7	78	10	12	79	13	16	3.9
Imidacloprid	117	16	14	129	9	7	109	10	9	106	32	30	3.2
Indoxacarb		ND			127		100	14	14	96	12	12	5.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	111	7	6	94	6	7	89	7	8	90	16	18	1.4
Iprovalicarb	126	4	3	123	6	5	106	11	10	106	25	24	0.8
Isoprocarb	122	3	2	120	13	11	99	12	13	103	21	20	0.5
Isoproturon	122	14	12	116	4	3	106	16	15	101	25	24	2.7
Isoxaflutole	131	13	10	104	15	15	82	14	18	80	29	36	2.3
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		108		119	18	15	104	18	17	98	23	24	9.9
Linuron	84	15	17	105	14	14	103	6	6	100	18	18	4.1
Lufenuron		175			125		100	12	12	106	18	17	6.4
Mandipropamide	115	6	5	107	6	6	99	12	12	95	26	27	1.3
Mefenacet	111	9	8	113	7	6	97	6	6	94	14	15	1.9
Mepanipyrim	95	9	9	97	7	7	92	8	8	94	17	18	2.2
Mepronil	106	11	11	108	2	2	95	6	6	88	18	21	2.5
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		89			97		112	8	7	111	13	11	1.7
Metalaxyl	139	14	10	134	14	11	109	17	16	113	29	26	2.4
Metconazole		137			107		87	12	14	98	28	28	2.7
Methabenzthiazuron	113	7	6	112	1	1	100	8	8	97	22	22	1.5
Methamidophos	112	12	11	101	9	9	78	12	16	83	19	23	2.5
Methiocarb	107	5	5	113	7	7	101	7	7	92	21	23	1.1
Methomyl	130	8	6	125	6	5	114	18	15	116	35	30	1.4
Methoprotryne	112	4	3	108	3	3	96	12	13	100	19	19	0.8
Methoxyfenozide	114	6	5	120	16	14	95	14	15	95	21	22	1.2
Metobromuron	122	20	17	112	28	25	107	10	9	98	26	26	4.0
Metribuzin	108	6	5	116	12	11	101	14	14	104	29	27	1.2
Mevinphos-E	124	6	5	131	6	5	109	21	19	108	23	21	1.1
Mevinphos-Z	116	6	5	124	4	3	104	13	13	105	37	35	1.2
Mexacarbate		92		117	23	20	101	11	11	98	23	23	2.8
Monocrotophos	120	4	3	118	6	5	103	18	18	107	23	21	0.8
Monolinuron	126	12	10	123	10	8	103	18	18	108	26	24	2.3
Moxidectin		ND			ND			76			81		ND
Moxidectin+Na		ND			ND			96			86		30.2
Myclobutanil	136	8	6	118	7	6	96	13	14	101	18	18	1.4
Neburon	82	9	11	85	10	11	92	14	16	84	11	14	2.6
Nitenpyram	116	3	3	114	8	7	102	12	12	101	20	20	0.6
Novaluron	88	14	16	102	4	4	93	11	12	106	23	22	3.8
Nuarimol	147	28	19	112	18	16	86	13	15	98	19	19	4.5
Omethoate	103	9	9	99	6	6	75	10	13	73	20	28	2.1
Oxadixyl	120	9	7	113	7	6	94	17	18	99	22	22	1.7
Oxamyl	128	9	7	129	7	5	111	23	21	112	30	27	1.7
Paclobutrazol	132	8	6	121	8	6	103	6	6	103	20	19	1.4
Penconazole		104			105		88	16	18	93	18	20	1.2
Pencycuron	113	2	2	105	12	11	93	10	10	96	18	19	0.5
Phenmedipham	116	5	5	100	11	11	84	7	8	87	20	23	1.1
Picoxystrobin		98		105	14	13	97	31	32	98	18	19	2.5
Piperonyl butoxide	103	8	8	96	4	4	92	6	7	101	12	12	1.8
Pirimicarb	116	7	6	111	3	2	97	18	19	101	29	29	1.5
Prochloraz	110	7	7	104	3	3	91	8	8	100	15	15	1.6
Promecarb	110	7	7	122	3	3	108	11	10	96	16	16	1.6
Prometon	120	5	4	114	6	6	100	13	13	102	23	23	1.0
Prometryne	103	10	10	98	7	7	94	12	13	93	13	14	2.2
Propamocarb	136	7	5	105	10	10	77	8	11	75	16	21	1.1
Propargite	93	3	3	100	4	4	106	12	11	114	12	11	0.8
Propham	131	14	10	114	9	8	95	13	13	97	20	20	2.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	124	17	14	107	11	10	88	8	9	101	22	22	3.2
Propoxur	121	7	6	116	10	8	102	20	20	101	21	21	1.4
Pymetrozine	108	3	3	115	5	5	99	13	13	90	22	24	0.7
Pyracarbolid	120	10	9	120	5	4	102	15	15	97	24	24	2.1
Pyraclostrobin	109	11	10	110	10	9	107	14	13	105	23	22	2.4
Pyridaben		120			121		111	7	6	108	12	11	1.8
Pyrimethanil	108	12	11	101	10	10	103	12	12	95	13	13	2.7
Pyriproxyfen	109	9	8	108	3	3	103	11	11	105	10	10	1.9
Quinoxifen	87	12	14	103	10	10	109	11	11	100	11	11	3.4
Rotenone	114	21	18	106	9	8	91	8	9	90	12	14	4.2
Secbumeton	120	7	6	109	7	7	93	12	13	99	22	22	1.3
Siduron	130	10	7	114	5	4	98	13	14	85	19	22	1.7
Simetryne	125	5	4	116	6	5	98	14	15	103	21	21	0.9
SpinetoramA	106	10	10	96	6	6	110	22	20	110	9	8	2.3
SpinetoramB	106	10	9	108	6	5	113	12	11	109	6	5	2.2
Spinosad	127	23	18	106	3	3	92	9	9	101	14	14	4.2
Spirodiclofen	87	23	27	94	17	18	103	17	16	101	8	8	6.2
Spiromefesin	96	21	22	135	19	14	115	21	18	95	5	5	5.2
Spirotetramat	124	11	8	102	16	16	77	23	30	78	27	35	2.0
Spiroxamine	117	4	3	99	5	6	88	9	10	96	19	19	0.8
Sulfentrazone	114	4	4	100	7	7	79	16	20	74	23	31	0.9
Tebuconazole	117	16	14	105	11	11	99	5	5	90	11	12	3.2
Tebufenozide		125			125		101	7	7	100	25	25	4.3
Tebufenpyrad	106	15	14	108	3	2	102	14	14	109	10	10	3.3
Tebuthiuron	127	5	4	123	8	6	103	14	13	103	20	19	1.0
Teflubenzuron		ND			106		105	24	23	110	13	12	15.8
Temephos	83	7	9	100	15	15	123	33	27	128	15	12	2.0
Terbumeton	126	7	6	110	6	5	93	13	14	99	24	25	1.3
Terbutryne	98	4	4	96	8	9	90	8	8	98	15	16	0.8
Tetraconazole	92	12	13	102	7	7	95	11	11	96	12	12	3.0
Thiabendazole	131	7	5	119	5	4	104	14	13	92	9	10	1.2
Thiacloprid	128	5	4	123	12	10	103	17	17	100	15	15	0.9
Thiamethoxam	108	4	4	106	5	4	89	14	16	90	24	27	0.9
Thidiazuron	95	6	6	90	4	4	76	9	12	73	16	22	1.4
Thiobencarb	110	12	11	98	3	3	87	7	8	97	7	7	2.7
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	101	3	3	99	3	3	86	8	9	93	23	25	0.7
Triadimefon	140	18	13	121	10	9	94	14	15	97	15	16	3.1
Triadimenol	126	10	8	117	11	9	104	18	18	102	19	19	1.9
Trichlorfon	97	8	9	100	7	7	92	13	14	92	16	17	2.0
Tricyclazole	117	7	6	118	14	12	99	14	14	104	29	28	1.3
Trifloxystrobin	111	20	18	104	2	2	96	8	8	100	16	16	4.2
Triflumizole	72	6	8	85	6	7	117	39	34	115	19	16	1.9
Triflumuron	130	7	5	102	17	17	89	4	5	100	9	9	1.2
Triticonazole	118	16	14	115	7	6	108	8	8	100	17	17	3.2
Vamidotion	137	9	6	134	9	7	116	23	20	106	25	24	1.5
Zoxamide	87	8	9	92	8	9	97	21	21	105	13	12	2.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Potato													
3-Hydroxycarbofuran	97	6	6	98	4	4	101	4	4	96	4	4	1.5
Acephate	85	5	6	80	11	14	93	4	4	87	3	3	1.3
Acetamiprid	103	1	1	104	4	4	110	6	6	95	4	4	0.3
Acibenzolar-S-methyl	102	10	10	96	3	3	102	6	6	92	6	7	2.4
Alanycarb		69			35		49	11	22	40	7	17	5.7
Aldicarb sulfoxide	95	6	6	103	2	2	104	3	3	97	3	3	1.5
Aldicarb	93	4	4	103	4	3	101	10	10	98	6	6	1.0
Aldoxycarb	98	6	6	100	3	3	104	5	4	93	5	5	1.4
Ametryn	102	8	8	100	1	1	109	9	8	95	5	5	1.9
Aminocarb	100	7	7	99	3	3	102	5	5	85	16	19	1.6
Amitraz		ND			88			48		59	6	10	6.9
Avermectin B1a 1		ND			ND		113	5	5	75	12	16	11.0
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	103	6	5	101	6	6	105	5	4	98	6	6	1.3
Benalaxyl	110	10	9	111	7	6	105	8	8	104	5	5	2.2
Bendiocarb	104	9	8	98	2	2	109	4	4	96	4	4	1.9
Benfuracarb	54	9	17	21	2	11	27	6	23	24	4	17	4.0
Benzoximate	90	4	4	90	7	8	108	12	11	92	8	9	1.0
Bifenazate	23	1	3	9	3	32	3	1	32	4	0	4	0.8
Bitertanol	71	11	15	90	9	10	113	15	14	100	6	6	3.5
Boscalid	123	13	11	106	13	12	107	3	3	95	12	12	2.5
BromuconazoleA	110	15	14	102	6	6	106	7	7	98	7	7	3.2
BromuconazoleB	107	18	17	101	7	7	103	4	4	95	8	9	4.0
Bupirimate	109	5	5	114	5	4	109	6	5	92	7	7	1.2
Buprofezin	106	17	16	107	3	3	106	3	3	93	5	5	3.7
Butafenacil	107	15	14	104	12	11	113	6	5	98	4	4	3.3
Butocarboxim	96	12	12	102	5	5	111	3	3	98	4	4	2.9
Butoxycarboxim	97	5	5	95	1	1	108	6	5	96	4	4	1.2
Carbaryl	103	8	8	104	3	3	105	3	3	96	5	5	1.8
Carbendazim	96	10	11	100	3	3	104	6	6	91	5	5	2.6
Carbetamide	104	9	8	103	4	4	108	7	7	96	5	5	2.0
Carbofuran	109	9	9	111	2	2	125	6	4	111	3	2	2.0
Carboxin	99	4	5	106	4	3	106	3	3	96	5	5	1.1
Carfentrazone-ethyl	98	8	8	100	11	11	103	5	5	88	8	9	2.0
Chlorantraniliprole	96	6	7	94	12	13	99	10	10	100	6	6	1.6
Chlorfluazuron		116			100		111	4	4	94	3	3	4.4
Chlorotoluron	102	4	4	103	4	4	108	4	4	95	4	4	0.9
Chloroxuron	91	15	16	97	15	16	115	10	9	94	9	9	3.8
Clethodim	68	5	7	63	7	11	58	4	7	59	5	8	1.6
Clofentezine		106			111		110	8	7	97	4	4	2.8
Clothianidin	89	10	11	107	15	14	105	8	7	100	6	6	2.6
Cyazofamid	94	8	8	106	2	2	118	13	11	94	4	4	1.9
Cycluron	91	6	6	99	3	3	101	7	7	88	4	5	1.5
Cymoxanil	86	7	8	93	5	6	96	5	6	89	3	4	2.0
CyproconazoleA	103	18	17	107	4	4	104	5	5	95	2	3	4.1
CyproconazoleB	111	12	11	107	3	3	106	3	3	96	2	2	2.5
Cyprodinil	97	7	8	98	1	1	114	6	5	97	3	3	1.8
Cyromazine	50	6	13	46	7	15	46	4	8	48	1	2	3.0
Desmedipham	97	9	10	103	9	8	101	4	4	94	9	9	2.3
Diclobutrazol	98	1	1	106	6	6	108	5	5	96	5	5	0.2
Dicrotophos	97	8	8	99	1	1	103	5	5	94	4	4	1.8
Diethofencarb	105	9	9	97	5	5	108	6	6	93	5	5	2.0
Difenoconazole	92	3	3	99	7	7	106	4	4	99	5	5	0.7

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	123	12	9	100	15	15	100	2	2	90	4	5	2.2
Dimethoate	91	13	15	103	6	5	99	2	2	91	5	6	3.4
DimethomorphA	110	9	9	110	7	7	104	4	4	94	6	7	2.0
DimethomorphB	92	8	9	98	6	6	103	4	4	99	6	6	2.1
Dimoxystrobin	101	7	7	96	4	4	107	8	7	95	5	6	1.6
Diniconazole	83	8	10	105	10	10	106	1	1	102	7	7	2.3
Dinotefuran	87	10	12	96	2	2	117	4	4	94	4	4	2.8
Dioxacarb	87	5	6	85	4	5	90	3	3	84	1	2	1.3
Diuron	101	14	14	102	4	4	111	6	6	93	3	4	3.2
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			126		ND
Emamectin	99	9	9	68	10	15	64	4	6	61	6	10	2.1
E-Fenpyroximate	98	7	7	103	3	3	107	6	5	97	4	4	1.7
Emamectin benzoate	102	12	12	70	11	16	70	4	6	62	3	5	2.8
Epoxiconazole	112	13	12	105	3	2	103	6	6	93	3	4	2.8
Eprinomectin		ND			ND		124	8	6	95	4	4	14.5
Etaconazole	102	25	25	97	5	5	104	7	7	92	3	3	5.8
Ethaboxam	109	17	16	104	15	14	108	6	6	92	7	7	3.7
Ethiofencarb	103	9	9	99	6	6	106	4	4	97	5	5	2.0
Ethiprole	92	12	13	95	5	5	112	7	7	101	7	6	3.0
Ethirimol	86	4	5	91	4	4	92	7	8	84	6	7	1.1
Ethofumesate		93		99	10	10	112	9	8	90	5	5	2.3
Etoxazole	104	6	6	106	1	1	108	5	5	99	4	4	1.4
Famoxadone	116	20	17	90	8	9	109	7	6	93	5	5	4.1
Fenamidone	89	16	17	89	6	6	122	8	6	96	2	2	4.1
Fenarimol		120		106	10	9	102	5	4	91	7	8	3.1
Fenazaquin	102	9	8	120	12	10	101	13	13	97	5	5	2.0
Fenbuconazole		110		99	16	17	111	6	6	99	1	1	4.0
Fenhexamid	82	12	15	61	8	14	58	4	6	58	2	4	3.5
Fenoxycarb	109	10	9	100	9	9	111	6	5	91	2	2	2.2
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	96	9	9	99	3	3	109	4	4	96	3	3	2.1
Flonicamid	ND			95	12	13	112	10	9	99	6	6	7.5
Flubendiamide		ND			ND			191		111	14	12	ND
Fludioxinil		101		94	11	12	100	9	9	89	5	5	3.0
Flufenacet	107	11	10	104	3	2	115	11	10	97	10	11	2.4
Flufenoxuron	111	12	11	105	6	6	103	5	5	101	8	8	2.6
Fluometuron	98	5	5	102	3	3	107	8	8	95	6	6	1.2
Fluoxastrobin	100	5	5	116	15	13	97	6	6	91	7	8	1.1
Fluquinconazole	109	14	12	109	6	5	106	11	11	97	4	4	2.9
Flusilazole	105	12	11	97	8	8	105	6	5	92	5	5	2.6
Flutolanil	98	12	12	106	10	10	116	5	4	84	2	2	2.9
Flutriafol	102	8	7	112	12	11	107	8	8	93	3	3	1.7
Forchlorfenuron	94	12	12	93	6	7	93	4	4	88	1	1	2.9
Formetanate HCl	93	4	5	94	4	4	86	2	3	79	4	6	1.1
Fuberidazole	80	5	6	78	4	5	81	2	3	77	4	5	1.4
Furalaxyl	95	4	5	98	4	4	114	5	5	96	6	6	1.1
Furathiocarb	103	9	9	104	3	3	113	6	5	97	7	8	2.1
Hexaconazole	89	15	17	97	8	9	102	2	2	101	7	7	3.9
Hexaflumuron		ND			123		100	12	12	106	8	8	10.2
Hexythiazox	94	16	17	105	1	1	108	5	5	91	4	4	4.0
Hydramethylnon	94	8	8	65	10	15	72	6	8	80	6	8	2.0
Imazalil	85	7	9	100	13	13	106	3	3	93	5	6	2.0
Imidacloprid	90	10	11	85	8	9	92	8	8	83	6	7	2.6
Indoxacarb		149			94		85	9	11	83	8	10	2.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	92	12	13	103	8	8	109	3	3	100	5	5	3.0
Iprovalicarb	104	11	10	100	4	4	107	3	3	96	4	4	2.4
Isoprocarb	92	3	3	106	5	5	106	3	3	94	5	5	0.8
Isoproturon	105	9	9	103	2	2	108	3	2	91	4	5	2.0
Isoxaflutole	ND			74	7	10	85	10	11	82	6	7	5.9
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		111		97	22	23	124	7	6	103	2	2	2.8
Linuron	103	13	13	117	14	12	112	8	7	88	2	2	3.0
Lufenuron		166			122		118	15	12	104	9	9	5.0
Mandipropamide	106	10	9	103	6	5	113	3	3	93	6	7	2.2
Mefenacet	92	9	10	96	4	5	101	7	7	93	3	3	2.3
Mepanipyrim	80	11	13	93	5	6	108	3	3	92	4	4	3.2
Mepronil	102	13	13	105	7	6	123	4	3	102	6	6	3.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		116			108		108	9	8	96	16	16	2.8
Metalaxyl	103	5	5	108	4	4	110	5	4	98	2	2	1.1
Metconazole		88			97		101	5	5	98	8	8	2.9
Methabenzthiazuron	102	11	11	103	6	6	110	6	5	95	2	2	2.6
Methamidophos	85	5	5	86	2	2	87	5	6	82	1	2	1.3
Methiocarb	102	11	11	101	6	6	117	5	4	95	5	5	2.6
Methomyl	101	6	6	108	2	1	119	3	2	110	3	3	1.3
Methoprotryne	99	7	7	96	3	3	104	2	2	91	6	6	1.7
Methoxyfenozide	106	10	9	103	2	2	115	5	4	90	6	6	2.2
Metobromuron	109	10	9	103	7	7	102	6	6	89	7	8	2.2
Metribuzin	94	13	14	95	11	11	104	2	2	99	1	1	3.2
Mevinphos-E	93	4	4	95	4	4	100	5	5	91	3	3	1.0
Mevinphos-Z	95	4	4	106	2	2	114	8	7	97	5	5	0.9
Mexacarbate		98		91	4	5	103	8	8	91	9	10	4.7
Monocrotophos	93	3	3	100	2	2	103	4	4	95	4	4	0.8
Monolinuron	92	6	7	99	2	2	109	7	6	97	2	2	1.6
Moxidectin		ND			ND			104			97		31.6
Moxidectin+Na		ND			ND			101			90		40.7
Myclobutanil	63	8	13	91	13	15	93	4	4	91	7	8	3.0
Neburon	89	10	11	104	4	4	111	5	5	91	3	3	2.5
Nitenpyram	ND			ND			ND			ND			ND
Novaluron	82	9	11	114	10	9	103	9	8	96	3	3	2.6
Nuarimol	108	23	21	106	12	11	120	15	13	96	4	5	5.0
Omethoate	92	3	4	95	4	4	104	2	2	96	4	4	0.9
Oxadixyl	100	9	9	100	3	3	105	3	3	98	4	4	2.1
Oxamyl	99	9	9	98	7	7	108	4	4	101	5	5	2.1
Paclobutrazol	101	8	8	106	6	5	101	7	7	95	4	4	1.8
Penconazole		100			99		111	4	4	97	4	5	3.8
Pencycuron	94	8	8	99	1	1	113	7	6	96	3	3	1.9
Phenmedipham	95	11	11	94	4	4	97	1	1	88	5	6	2.6
Picoxystrobin		97		100	10	10	103	8	8	94	8	8	1.7
Piperonyl butoxide	102	6	6	103	1	1	106	5	4	94	5	5	1.4
Pirimicarb	98	5	5	96	1	1	103	5	5	97	4	4	1.2
Prochloraz	108	8	8	111	4	4	110	11	10	97	3	3	1.8
Promecarb	100	10	10	109	4	4	122	14	11	93	5	5	2.4
Prometon	100	8	8	101	1	1	105	4	4	96	3	3	2.0
Prometryne	111	14	13	110	11	10	110	8	7	96	7	7	3.1
Propamocarb	170	8	5	145	4	3	114	4	4	91	4	5	1.1
Propargite	102	8	8	106	4	4	108	5	5	95	4	5	1.9
Propham	111	14	13	104	7	6	100	9	9	95	3	3	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	105	16	15	107	18	17	106	6	5	96	3	4	3.6
Propoxur	95	11	11	106	4	4	109	2	2	99	3	3	2.7
Pymetrozine	76	3	3	82	3	4	85	4	4	75	3	4	0.8
Pyracarbolid	100	11	11	103	2	2	108	4	4	96	3	3	2.7
Pyraclostrobin	104	7	7	97	2	2	112	7	6	101	4	4	1.6
Pyridaben		101			100		110	3	3	98	3	3	2.3
Pyrimethanil	103	6	6	99	7	7	105	10	9	97	4	4	1.4
Pyriproxyfen	105	5	5	102	3	3	107	4	4	94	3	3	1.1
Quinoxifen	85	9	11	109	8	8	107	11	10	95	3	3	2.5
Rotenone	91	11	12	97	3	3	107	5	5	92	7	8	2.9
Secbumeton	95	4	4	97	1	1	104	5	4	95	3	3	0.9
Siduron	91	6	7	100	4	4	104	5	5	93	4	4	1.5
Simetryne	95	2	2	96	4	5	105	5	5	96	6	7	0.6
SpinetoramA	103	7	7	109	5	5	108	2	2	94	4	4	1.6
SpinetoramB	107	10	10	110	6	6	104	3	3	97	5	5	2.3
Spinosad	102	7	6	103	1	1	107	5	4	100	5	5	1.5
Spirodiclofen	88	7	8	76	11	14	94	3	3	85	2	2	2.0
Spiromefesin	105	11	11	89	16	18	117	12	10	91	14	15	2.5
Spirotetramat	74	6	9	72	6	8	73	4	6	70	4	6	2.0
Spiroxamine	98	4	5	101	3	3	101	3	3	96	4	4	1.1
Sulfentrazone	64	11	17	63	10	16	74	7	9	67	4	6	3.9
Tebuconazole	93	12	14	103	19	19	101	5	5	97	4	5	3.2
Tebufenozide		129			102		116	7	6	96	5	6	3.9
Tebufenpyrad	116	14	12	115	21	18	110	3	3	95	3	4	2.9
Tebuthiuron	92	12	13	95	7	7	98	5	5	94	5	5	3.0
Teflubenzuron		ND			108		96	14	15	90	8	9	11.7
Temephos	99	10	10	100	8	8	109	10	9	96	4	5	2.4
Terbumeton	107	13	12	99	7	7	113	8	7	105	15	14	2.8
Terbutryne	101	5	4	106	3	3	110	4	4	98	5	6	1.0
Tetraconazole	103	6	6	98	8	8	103	6	6	95	4	4	1.5
Thiabendazole	78	4	5	81	7	9	82	3	3	80	4	5	1.2
Thiacloprid	102	6	6	101	3	3	103	4	4	96	3	4	1.3
Thiamethoxam	95	6	7	104	3	3	111	6	6	94	5	5	1.6
Thidiazuron	80	4	5	79	5	6	87	3	3	80	2	3	1.2
Thiobencarb	106	15	14	106	8	7	111	17	15	99	4	4	3.4
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	97	5	5	97	2	2	103	5	4	90	6	7	1.1
Triadimefon	105	13	13	100	5	5	109	4	4	96	8	8	3.0
Triadimenol	107	11	11	108	4	3	106	3	3	94	4	4	2.5
Trichlorfon	77	8	10	82	4	5	82	1	2	78	3	3	2.4
Tricyclazole	96	9	10	101	5	5	109	7	7	94	4	4	2.3
Trifloxystrobin	108	5	5	101	5	5	106	4	4	101	4	4	1.1
Triflumizole	98	6	6	101	3	3	109	7	6	97	6	7	1.4
Triflumuron	87	8	9	90	7	8	95	6	6	90	2	2	2.2
Triticonazole	89	12	14	111	10	9	114	11	10	95	5	6	3.2
Vamidotion	88	6	7	94	3	3	95	7	7	88	3	4	1.7
Zoxamide	98	18	18	112	5	4	107	7	6	95	6	6	4.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Raisin													
3-Hydroxycarbofuran	104	1	1	107	7	7	103	6	5	90	24	26	0.2
Acephate	ND			ND			85	9	11	84	3	4	25.8
Acetamiprid	97	8	8	92	6	7	95	2	3	95	3	3	1.8
Acibenzolar-S-methyl	100	3	3	102	6	6	100	9	9	98	5	5	0.7
Alanycarb		ND			ND		ND			ND			ND
Aldicarb sulfoxide	95	6	7	95	7	7	88	8	9	92	3	4	1.6
Aldicarb	94	12	13	87	5	6	90	1	1	93	6	6	3.1
Aldoxycarb	100	3	3	98	4	4	101	11	11	103	3	3	0.6
Ametryn	106	3	2	109	5	4	107	4	4	102	4	4	0.6
Aminocarb	78	3	4	86	9	11	87	7	8	84	5	6	0.9
Amitraz		ND			ND			ND		ND			ND
Avermectin B1a 1		ND			ND		ND			ND			ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	106	10	9	108	6	5	113	10	9	104	4	4	2.1
Benalaxyl	108	18	17	102	4	4	100	5	5	99	4	4	4.0
Bendiocarb	108	6	5	113	6	6	112	7	7	108	4	4	1.2
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	83	14	17	89	21	23	99	2	2	94	2	3	4.1
Bifenazate	107	5	4	102	7	6	102	7	6	99	6	6	1.0
Bitertanol	103	28	27	96	15	15	108	10	10	93	3	4	6.5
Boscalid	113	3	3	100	4	4	105	1	1	98	4	4	0.7
BromuconazoleA	111	20	18	110	9	8	107	7	7	99	6	6	4.2
BromuconazoleB	108	15	14	99	7	7	99	5	5	101	6	6	3.3
Bupirimate	107	8	8	102	7	7	100	2	2	104	5	5	1.8
Buprofezin	112	16	14	101	9	9	78	24	30	108	5	4	3.3
Butafenacil	94	9	9	96	8	8	102	7	7	96	6	6	2.2
Butocarboxim	86	13	15	75	8	11	77	3	4	78	7	9	3.6
Butoxycarboxim	98	4	4	104	9	8	102	8	8	95	4	5	1.0
Carbaryl	114	36	32	109	7	6	112	8	7	104	6	6	7.4
Carbendazim	54	3	5	57	4	8	55	9	16	77	4	5	1.1
Carbetamide	103	5	4	107	0	0	107	10	10	104	4	3	1.0
Carbofuran	109	7	7	101	6	6	113	6	5	117	7	6	1.6
Carboxin	105	37	35	108	8	8	106	4	4	102	6	5	8.2
Carfentrazone-ethyl	114	16	14	103	10	10	101	4	4	97	4	4	3.3
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorflazuron		98			93		90	3	4	100	25	25	13.8
Chlorotoluron	110	10	10	114	10	8	113	8	7	99	13	13	2.2
Chloroxuron	116	15	13	109	10	9	102	5	5	102	6	5	3.1
Clethodim	67	12	18	59	10	18	60	2	3	58	5	9	4.2
Clofentezine		96			93		97	4	4	96	4	4	3.5
Clothianidin	79	10	13	95	3	4	91	6	6	84	14	17	3.0
Cyazofamid	116	10	9	109	6	6	100	6	6	104	3	3	2.1
Cycluron	107	10	10	107	3	3	107	9	9	102	6	6	2.3
Cymoxanil	136	7	5	133	7	5	123	7	5	108	5	5	1.1
CyproconazoleA	107	19	18	101	7	7	109	10	9	102	8	8	4.1
CyproconazoleB	107	14	14	105	6	5	102	6	6	98	4	4	3.2
Cyprodinil	96	11	12	104	7	7	92	5	6	104	4	3	2.7
Cyromazine	ND			ND			ND			ND			ND
Desmedipham	ND			ND			168	9	5	99	10	10	12.5
Diclobutrazol	90	5	6	99	8	8	112	5	4	98	2	2	1.4
Dicrotophos	94	6	6	107	5	5	101	6	6	91	24	26	1.5
Diethofencarb	110	10	9	107	6	6	109	9	8	104	5	5	2.1
Difenoconazole	109	15	14	96	10	10	93	5	5	96	5	5	3.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	121	19	15	105	8	8	111	5	4	99	4	4	3.6
Dimethoate	97	4	5	107	5	4	99	5	5	96	13	13	1.1
DimethomorphA	98	6	6	102	4	4	108	13	12	94	5	6	1.4
DimethomorphB	106	20	19	105	12	11	107	9	8	93	4	5	4.5
Dimoxystrobin	112	15	13	106	10	9	101	2	2	102	3	3	3.1
Diniconazole	96	22	23	100	3	3	100	6	6	91	3	3	5.4
Dinotefuran	97	8	8	92	7	8	95	10	10	101	8	8	1.9
Dioxacarb	102	10	10	107	6	6	109	7	6	101	10	10	2.3
Diuron	106	7	6	104	5	5	115	12	11	112	4	4	1.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	120	20	16	94	4	4	95	9	10	105	4	4	3.9
E-Fenpyroximate	113	18	16	100	7	7	94	2	2	94	10	10	3.8
Emamectin benzoate	118	19	16	97	2	2	98	7	7	102	4	4	3.8
Epoxiconazole	95	12	13	98	13	13	107	10	9	98	6	6	3.0
Eprinomectin		ND			ND		108	10	9	85	21	25	21.2
Etaconazole	107	18	17	98	8	8	107	8	7	98	5	5	4.0
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	108	37	34	110	9	8	108	9	8	102	4	4	8.0
Ethiprole	90	14	16	106	9	9	104	7	7	100	4	4	3.7
Ethirimol	ND			ND			ND			94	13	14	ND
Ethofumesate		90		99	7	7	105	7	7	105	4	4	3.1
Etoazole	94	22	23	94	11	12	92	4	4	90	4	5	5.5
Famoxadone	124	21	17	107	11	10	107	6	5	89	5	5	3.9
Fenamidone	105	12	11	106	5	5	108	8	8	100	4	4	2.6
Fenarimol		116		90	25	28	96	4	4	90	3	3	2.2
Fenazaquin	104	25	24	87	10	12	105	19	18	91	6	7	5.6
Fenbuconazole		100		96	5	5	98	9	9	100	8	8	2.7
Fenhexamid	85	16	19	72	8	11	71	4	6	74	2	3	4.5
Fenoxycarb	103	18	18	98	4	4	102	5	5	99	7	7	4.2
Fenpropimorph		105			108			102			91		1.8
Fenuron	113	18	16	159	16	10	167	9	5	131	41	31	3.8
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND		ND			ND
Fludioxinil		104		104	34	33	106	8	7	107	8	7	5.4
Flufenacet	106	20	19	100	7	7	103	3	3	103	8	7	4.5
Flufenoxuron	103	16	16	96	8	9	87	7	8	93	11	11	3.7
Fluometuron	106	9	8	107	6	6	111	6	5	93	14	15	1.9
Fluoxastrobin	108	12	11	103	5	5	103	5	5	99	4	4	2.7
Fluquinconazole	100	11	11	110	8	8	102	7	7	96	6	6	2.6
Flusilazole	104	16	16	102	5	5	103	6	6	100	4	4	3.7
Flutolanil	105	8	7	104	6	6	102	7	6	109	7	6	1.7
Flutriafol	105	11	10	100	3	3	103	8	8	92	8	9	2.4
Forchlorfenuron	97	8	8	96	9	9	93	4	5	90	4	4	1.9
Formetanate HCl	90	28	31	75	5	7	83	8	10	79	8	10	7.4
Fuberidazole	86	11	13	110	11	10	105	3	2	96	19	20	3.1
Furalaxyl	109	11	10	106	6	5	109	8	7	105	4	4	2.4
Furathiocarb	ND			ND			146	7	5	102	5	5	11.4
Hexaconazole	89	9	10	98	13	13	108	10	9	96	5	5	2.3
Hexaflumuron		162			115		114	8	7	86	8	10	4.1
Hexythiazox	99	19	19	98	9	9	90	5	5	96	9	10	4.5
Hydramethylnon	72	31	43	70	12	18	93	2	2	87	6	7	10.1
Imazalil	88	5	6	111	5	5	108	9	9	98	4	4	1.3
Imidacloprid	124	6	5	114	5	4	105	13	12	82	19	24	1.1
Indoxacarb		173			136		127	8	7	94	9	10	2.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	100	17	17	94	2	3	92	3	4	93	6	7	4.0
Iprovalicarb	110	12	11	103	5	5	107	9	9	97	5	5	2.7
Isoprocarb	104	8	8	114	6	5	108	8	7	98	7	7	1.9
Isoproturon	101	6	6	107	6	6	109	9	8	102	10	10	1.4
Isoxaflutole	ND			ND			119	7	6	91	4	4	14.8
Ivermectin		ND			ND			ND			93		ND
Ivermectin+NH4		ND			111			78			92		2.8
Kresoxim-methyl		146		103	18	18	96	7	7	86	15	18	4.9
Linuron	94	20	22	101	21	21	110	8	7	108	6	6	5.1
Lufenuron		180			130		102	4	4	93	10	11	2.2
Mandipropamide	88	10	12	105	5	5	107	5	5	98	3	3	2.8
Mefenacet	105	11	10	102	7	7	101	4	4	104	4	4	2.4
Mepanipyrim	110	11	10	100	9	9	96	6	6	103	5	5	2.3
Mepronil	106	13	13	106	4	3	105	6	6	101	4	4	3.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	101	4	4	112	8	7	114	7	6	99	13	13	1.0
Metconazole		106			98		101	9	9	96	4	4	4.7
Methabenzthiazuron	103	10	10	105	8	8	105	7	7	100	5	5	2.3
Methamidophos	ND			104	5	5	89	9	10	79	12	15	2.9
Methiocarb	109	9	8	109	6	6	109	8	7	111	6	5	1.9
Methomyl	120	2	1	133	9	7	136	8	6	132	6	4	0.3
Methoprotryne	102	4	4	107	3	3	107	2	2	104	4	4	1.0
Methoxyfenozide	107	4	4	102	10	10	99	4	4	97	11	11	0.9
Metobromuron	110	12	11	102	5	5	110	8	7	106	11	10	2.6
Metribuzin	130	10	8	109	14	13	99	6	6	96	4	4	1.9
Mevinphos-E	101	2	2	104	2	2	106	4	4	104	4	4	0.5
Mevinphos-Z	105	2	2	105	7	7	107	5	5	103	4	4	0.4
Mexacarbate		98		107	6	6	103	7	7	97	5	5	1.4
Monocrotophos	100	4	4	95	7	7	93	8	9	94	4	4	1.0
Monolinuron	110	4	3	107	4	4	113	10	9	97	12	12	0.8
Moxidectin		ND			ND			ND			86		ND
Moxidectin+Na		ND			ND			89			92		13.4
Myclobutanil	126	14	11	105	6	6	103	7	6	99	4	4	2.7
Neburon	104	13	12	101	11	11	93	7	7	104	9	8	2.9
Nitenpyram	112	6	5	95	7	7	89	14	15	88	4	5	1.2
Novaluron	94	19	20	95	15	16	101	5	5	86	4	5	4.7
Nuarimol	129	19	15	111	5	5	99	6	6	95	8	9	3.4
Omethoate	93	10	10	93	4	4	91	9	10	89	5	6	2.4
Oxadixyl	115	10	9	112	5	5	111	10	9	125	22	17	2.1
Oxamyl	104	3	3	104	6	6	102	9	9	96	4	4	0.8
Paclobutrazol	104	12	12	96	7	7	105	10	9	101	5	5	2.7
Penconazole		110			90		99	5	5	103	5	5	4.7
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	909	74	8	812	52	6	155	5	3	98	11	11	1.9
Picoxystrobin		107		100	4	4	92	4	5	98	3	3	3.9
Piperonyl butoxide	97	19	19	93	3	3	97	5	5	99	5	5	4.5
Pirimicarb	98	8	8	95	7	7	99	5	5	97	5	5	1.9
Prochloraz	105	15	14	102	6	6	101	6	6	93	3	3	3.4
Promecarb	108	7	7	107	5	5	106	5	5	106	5	4	1.6
Prometon	98	5	5	107	6	5	106	6	6	100	10	10	1.2
Prometryne	100	10	10	107	9	9	97	5	5	97	3	3	2.4
Propamocarb	83	7	9	86	5	5	87	8	9	82	6	8	2.1
Propargite	97	14	14	97	4	4	87	9	10	98	4	4	3.4
Propham	141	18	13	122	16	13	120	13	11	101	3	3	3.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	101	11	11	96	12	13	104	12	11	98	2	3	2.7
Propoxur	96	8	9	117	9	7	115	10	9	104	3	3	2.1
Pymetrozine	ND			ND			ND			ND			ND
Pyracarbolid	98	5	5	101	6	6	103	4	4	97	8	9	1.1
Pyraclostrobin	108	17	16	101	5	5	99	3	4	101	5	5	3.7
Pyridaben		95			91		84	6	8	91	12	13	4.4
Pyrimethanil	107	5	5	103	4	4	100	5	5	99	4	4	1.2
Pyriproxyfen	101	14	14	99	7	8	90	6	6	97	5	5	3.3
Quinoxifen	91	19	20	96	13	13	88	5	6	100	13	13	4.8
Rotenone	109	18	17	101	9	9	100	4	4	97	5	5	4.0
Secbumeton	101	9	8	109	10	9	108	6	6	97	8	8	2.0
Siduron	98	12	12	110	2	2	111	10	9	100	3	3	2.9
Simetryne	102	7	7	106	4	4	108	7	7	99	5	5	1.6
SpinetoramA	ND			ND			94	3	3	97	6	6	8.0
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	96	12	12	93	4	4	93	5	5	95	4	5	2.9
Spirodiclofen	ND			ND			98	8	8	85	4	4	18.7
Spiromefesin	101	17	17	99	4	5	92	8	9	96	5	6	3.9
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	104	7	7	103	6	6	99	5	5	99	3	3	1.7
Sulfentrazone	ND			ND			63	6	10	63	4	6	22.9
Tebuconazole	93	13	13	97	7	7	101	6	6	94	3	3	3.2
Tebufenozide		95			90		96	11	11	102	12	11	2.5
Tebufenpyrad	94	11	12	98	7	7	88	13	15	95	4	4	2.7
Tebuthiuron	109	3	3	106	7	6	109	9	8	99	4	4	0.7
Teflubenzuron		ND			162		107	9	8	102	9	9	6.7
Temephos	ND			ND			ND			ND			ND
Terbumeton	101	11	11	109	7	7	111	7	6	102	8	8	2.5
Terbutryne	104	9	9	102	5	5	96	10	11	111	4	4	2.0
Tetraconazole	104	18	18	106	11	10	105	6	5	99	4	4	4.1
Thiabendazole	99	10	10	132	17	13	134	10	8	118	26	22	2.4
Thiacloprid	103	11	11	116	9	7	116	11	10	104	2	2	2.6
Thiamethoxam	98	5	5	99	4	4	103	10	10	95	4	4	1.3
Thidiazuron	144	6	4	107	8	8	97	5	6	79	5	7	0.9
Thiobencarb	96	17	18	98	4	4	103	3	2	98	4	4	4.2
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	ND			ND			130	15	12	106	3	3	27.2
Triadimefon	109	19	17	97	10	11	103	7	7	98	3	3	4.1
Triadimenol	111	23	21	107	12	11	109	8	7	96	4	4	4.9
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	92	6	6	94	6	7	96	5	5	93	3	3	1.5
Trifloxystrobin	106	13	12	101	4	4	98	5	5	98	4	4	2.9
Triflumizole	121	15	13	112	8	7	87	19	22	108	4	3	3.0
Triflumuron	101	19	18	99	13	13	99	9	9	93	5	5	4.3
Triticonazole	99	10	10	94	7	7	106	11	10	96	4	4	2.3
Vamidothion	108	10	10	125	9	7	125	10	8	100	28	28	2.3
Zoxamide	121	18	15	113	5	4	91	6	7	98	4	4	3.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Spinach													
3-Hydroxycarbofuran	102	4	3	95	6	6	94	3	3	91	8	9	0.8
Acephate	99	3	3	93	5	5	84	2	3	88	10	11	0.7
Acetamiprid	102	4	4	94	5	5	101	4	4	104	2	2	0.9
Acibenzolar-S-methyl	104	7	7	93	5	6	98	5	5	96	3	3	1.7
Alanycarb		105			93		90	4	4	85	7	8	1.5
Aldicarb sulfoxide	101	4	4	97	5	5	96	6	6	93	9	9	0.9
Aldicarb	95	4	4	101	2	2	97	5	6	100	7	7	1.0
Aldoxycarb	99	17	17	98	5	5	99	3	3	94	7	8	4.0
Ametryn	91	5	6	89	10	11	96	5	5	87	4	5	1.4
Aminocarb	105	3	3	103	6	6	94	18	19	82	15	19	0.7
Amitraz		ND			ND			ND		117	58	49	ND
Avermectin B1a 1		ND			ND		ND			81	17	21	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	98	3	3	94	4	5	101	6	5	97	3	3	0.7
Benalaxyl	90	4	4	89	1	2	90	2	2	87	7	8	1.0
Bendiocarb	118	13	11	102	9	9	102	2	2	96	9	9	2.6
Benfuracarb	85	4	4	81	4	5	80	3	4	78	7	9	1.0
Benzoximate	87	9	10	81	5	6	81	8	10	83	9	10	2.3
Bifenazate	49	9	19	51	12	24	57	7	12	42	8	18	4.4
Bitertanol	90	6	7	86	5	6	83	4	5	87	3	3	1.7
Boscalid	78	4	5	79	5	6	86	3	4	86	5	6	1.1
BromuconazoleA	91	2	2	90	7	8	90	2	2	89	3	4	0.5
BromuconazoleB	83	8	10	89	4	5	90	2	3	90	2	2	2.4
Bupirimate	92	5	6	94	7	7	98	4	4	91	2	2	1.4
Buprofezin	78	19	24	76	15	20	77	13	17	67	7	10	5.7
Butafenacil	95	4	5	94	2	2	93	4	4	97	3	3	1.1
Butocarboxim	96	6	7	92	8	9	89	3	4	94	8	8	1.6
Butoxycarboxim	102	4	4	97	6	7	96	4	4	94	8	9	0.9
Carbaryl	102	5	5	99	5	5	89	2	2	92	9	9	1.2
Carbendazim	68	2	3	69	6	8	79	1	1	83	8	10	0.7
Carbetamide	112	3	3	98	7	7	89	4	5	91	8	9	0.7
Carbofuran	91	2	2	87	8	9	102	1	1	99	10	10	0.5
Carboxin	89	2	2	90	8	9	81	1	1	80	13	16	0.5
Carfentrazone-ethyl	94	12	13	88	6	6	95	2	2	91	3	3	2.9
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		88			72		94	16	17	97	10	10	0.8
Chlorotoluron	102	13	13	89	19	21	108	9	8	92	6	7	3.0
Chloroxuron	84	10	12	88	8	9	93	2	2	88	4	4	2.9
Clethodim	106	7	6	87	5	5	82	4	5	80	8	10	1.5
Clofentezine		90			84		88	2	2	83	2	3	2.8
Clothianidin	114	7	6	99	9	9	102	8	8	96	6	6	1.4
Cyazofamid	90	10	11	89	5	6	98	5	5	88	9	10	2.6
Cycluron	98	5	5	92	5	6	101	6	6	96	3	3	1.3
Cymoxanil	123	8	6	105	6	5	94	3	3	93	7	8	1.5
CyproconazoleA	97	4	4	91	6	7	92	3	3	90	3	3	1.0
CyproconazoleB	92	4	4	87	4	5	90	2	2	90	4	5	1.0
Cyprodinil	84	6	7	78	3	4	85	3	3	79	3	4	1.6
Cyromazine	ND			ND			ND			ND			ND
Desmedipham	353	22	6	301	16	5	107	3	3	91	9	10	1.5
Diclobutrazol	100	7	7	90	8	9	90	1	2	89	3	3	1.6
Dicrotophos	95	2	2	94	4	4	89	4	4	92	9	10	0.5
Diethofencarb	103	3	3	97	10	10	102	4	3	92	9	10	0.8
Difenoconazole	78	9	12	78	6	8	82	5	6	80	4	5	2.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	93	9	10	85	6	7	90	2	2	83	3	4	2.3
Dimethoate	100	3	3	94	7	7	99	6	6	97	11	11	0.6
DimethomorphA	92	7	8	94	6	6	89	4	5	91	3	3	1.9
DimethomorphB	93	7	7	93	6	7	89	7	8	92	4	4	1.7
Dimoxystrobin	96	4	4	96	6	6	96	2	2	93	2	2	1.0
Diniconazole	89	9	10	84	4	5	84	2	2	86	3	3	2.3
Dinotefuran	103	6	6	99	4	4	105	5	5	101	3	3	1.3
Dioxacarb	106	4	3	101	6	6	103	2	2	97	8	9	0.8
Diuron	97	14	15	90	8	9	109	4	4	94	6	6	3.4
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			72		ND
Emamectin	88	7	8	81	3	3	77	5	6	79	3	4	1.8
E-Fenpyroximate	81	4	5	82	12	14	89	13	15	94	6	6	1.1
Emamectin benzoate	94	5	6	84	6	7	83	3	4	85	2	3	1.4
Epoxiconazole	ND			73	2	3	77	7	9	89	4	4	1.5
Eprinomectin		ND			ND		81	8	10	95	11	12	23.5
Etaconazole	ND			ND			88	5	6	91	4	4	14.6
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	102	12	12	89	8	9	84	6	7	88	9	10	2.8
Ethiprole	100	12	12	98	4	4	108	4	4	100	2	2	2.8
Ethirimol	ND			ND			ND			61	9	15	ND
Ethofumesate		101		100	10	10	107	3	3	99	4	4	2.6
Etoazole	88	4	5	80	2	2	82	4	4	86	1	1	1.1
Famoxadone	102	17	16	93	11	12	83	5	7	81	2	3	3.9
Fenamidone	93	12	13	90	11	12	97	3	3	92	9	10	3.1
Fenarimol		95		80	7	9	83	3	4	82	3	3	1.6
Fenazaquin	77	10	14	76	6	8	71	5	8	70	5	7	3.2
Fenbuconazole		90		87	7	8	88	3	3	91	2	2	1.2
Fenhexamid	93	5	6	84	5	5	80	5	6	75	7	9	1.4
Fenoxycarb	88	5	6	78	2	3	90	7	8	82	6	7	1.4
Fenpropimorph		85			79			94			77		1.4
Fenuron	104	6	6	98	6	6	100	5	5	99	2	2	1.3
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND		ND			ND
Fludioxinil		89		104	20	20	105	7	6	94	3	3	6.8
Flufenacet	98	6	6	92	7	8	95	5	5	87	7	8	1.5
Flufenoxuron	88	7	8	77	5	7	78	4	6	79	4	5	2.0
Fluometuron	104	4	3	98	6	6	106	5	4	104	3	3	0.8
Fluoxastrobin	91	5	5	90	3	3	95	1	2	92	1	2	1.2
Fluquinconazole	99	8	8	90	11	12	90	1	1	87	3	4	2.0
Flusilazole	85	8	9	88	6	7	94	3	3	90	2	2	2.2
Flutolanil	95	3	3	91	5	5	103	2	2	95	4	4	0.6
Flutriafol	97	8	9	93	8	9	93	4	4	96	3	3	2.1
Forchlorfenuron	83	9	11	83	12	15	86	7	8	76	1	1	2.5
Formetanate HCl	97	1	1	87	5	6	85	1	1	87	8	10	0.3
Fuberidazole	88	2	2	88	6	7	87	1	1	88	8	9	0.5
Furalaxyl	115	2	1	99	9	9	109	2	2	98	8	9	0.3
Furathiocarb	160	17	11	107	15	14	85	5	6	67	6	9	2.5
Hexaconazole	98	12	12	91	6	7	94	6	6	91	1	1	2.8
Hexaflumuron		143			92		90	7	8	77	6	7	2.1
Hexythiazox	79	7	9	75	3	3	76	4	6	78	3	4	2.0
Hydramethylnon	62	2	4	57	3	6	70	1	1	84	2	3	0.9
Imazalil	ND			90	7	8	78	3	4	81	1	1	4.8
Imidacloprid	98	6	6	96	5	5	107	5	5	104	4	4	1.5
Indoxacarb		92			87		81	3	4	85	10	12	1.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	84	5	6	84	3	3	84	3	3	85	3	3	1.4
Iprovalicarb	99	12	12	93	6	7	93	4	4	89	5	6	2.8
Isoprocarb	103	9	9	100	6	6	95	2	2	94	9	9	2.0
Isoproturon	102	5	5	98	10	10	108	4	4	100	3	3	1.2
Isoxaflutole	186	14	8	135	14	10	93	7	8	88	8	9	1.8
Ivermectin		ND			ND			101			80		20.1
Ivermectin+NH4		ND			86			75			77		3.4
Kresoxim-methyl		123		95	6	6	97	5	6	94	7	7	2.8
Linuron	117	15	13	98	6	6	103	3	3	96	3	3	3.1
Lufenuron		104			86		87	3	3	85	5	6	2.8
Mandipropamide	93	8	8	92	2	3	95	2	2	88	7	8	1.9
Mefenacet	92	4	4	92	5	6	92	3	4	85	7	9	1.0
Mepanipyrim	87	5	6	83	7	9	92	2	2	84	5	6	1.5
Mepronil	91	4	5	90	5	6	94	5	5	87	8	10	1.1
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND			ND			ND		ND
Metalaxyl	106	5	4	101	8	8	99	3	3	97	10	10	1.0
Metconazole		87			85		88	3	3	89	1	1	1.0
Methabenzthiazuron	95	9	10	89	9	10	104	8	7	95	4	4	2.3
Methamidophos	130	6	5	81	16	20	85	2	2	84	8	10	1.1
Methiocarb	97	5	5	96	6	6	102	4	4	91	6	7	1.2
Methomyl	103	3	3	99	5	5	101	3	3	99	9	9	0.8
Methoprotryne	100	8	8	93	12	13	101	5	5	92	2	2	1.8
Methoxyfenozide	94	7	7	92	10	11	92	3	3	89	4	4	1.7
Metobromuron	ND			95	9	10	107	10	9	93	5	5	5.9
Metribuzin	ND			96	11	12	99	7	7	98	4	4	6.8
Mevinphos-E	95	1	2	96	5	6	93	2	2	94	8	9	0.4
Mevinphos-Z	96	3	3	94	5	5	94	1	1	93	9	10	0.7
Mexacarbate		95		89	6	7	86	4	4	84	8	10	1.0
Monocrotophos	106	1	1	105	6	6	94	2	2	92	8	9	0.3
Monolinuron	100	4	4	95	6	7	102	6	6	102	3	3	1.0
Moxidectin		ND			ND			96			85		22.5
Moxidectin+Na		ND			ND			89			80		17.2
Myclobutanil	99	6	6	93	5	5	94	3	3	93	2	2	1.5
Neburon	86	9	11	86	6	7	90	2	3	83	3	4	2.6
Nitenpyram	103	7	7	96	8	9	93	5	6	92	2	2	1.6
Novaluron	111	8	8	88	4	4	85	4	5	85	1	1	1.8
Nuarimol	87	9	10	86	6	7	92	5	6	89	4	4	2.5
Omethoate	103	5	5	96	4	4	94	2	2	91	9	9	1.2
Oxadixyl	106	4	4	98	5	5	92	2	2	94	9	9	0.9
Oxamyl	106	3	3	101	7	7	100	2	2	99	9	9	0.7
Paclobutrazol	99	10	10	92	5	5	93	6	6	94	2	2	2.3
Penconazole		84			82		94	1	1	91	3	3	3.3
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	359	44	12	289	77	27	116	6	5	97	6	7	2.9
Picoxystrobin		90		91	10	11	96	4	4	92	5	5	2.0
Piperonyl butoxide	96	4	4	92	6	6	91	5	5	84	8	10	1.0
Pirimicarb	104	3	2	97	7	7	99	2	2	95	9	9	0.6
Prochloraz	87	2	2	83	4	5	85	3	4	86	2	2	0.6
Promecarb	99	10	10	94	3	3	100	2	2	91	10	11	2.3
Prometon	100	5	5	98	4	4	97	4	4	94	3	3	1.1
Prometryne	91	9	9	86	7	8	92	2	2	87	1	1	2.2
Propamocarb	112	3	3	105	8	8	98	4	4	101	8	8	0.6
Propargite	82	10	12	82	3	4	86	7	9	85	4	4	2.9
Propham	113	9	8	98	6	6	91	2	3	92	11	11	1.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	95	6	6	89	3	3	90	3	4	90	2	2	1.5
Propoxur	106	4	4	100	6	6	96	3	3	95	10	10	0.9
Pymetrozine	106	11	10	94	11	12	93	5	6	90	3	4	2.4
Pyracarbolid	100	4	4	98	5	6	95	2	2	91	8	9	0.9
Pyraclostrobin	89	6	6	85	5	6	92	2	2	89	2	2	1.5
Pyridaben		79			77		91	15	17	97	6	6	2.1
Pyrimethanil	92	9	10	84	6	7	91	2	3	84	1	1	2.4
Pyriproxyfen	82	8	10	78	3	4	84	6	7	83	4	4	2.4
Quinoxifen	68	2	2	70	7	10	79	10	13	82	13	16	0.5
Rotenone	106	5	5	94	4	4	92	4	4	86	2	3	1.1
Secbumeton	95	4	4	91	4	5	94	5	6	93	2	2	0.9
Siduron	94	11	12	88	7	8	100	4	4	92	4	4	2.8
Simetryne	102	3	3	96	7	8	91	5	6	92	2	2	0.6
SpinetoramA	ND			81	7	9	68	3	4	69	5	8	5.1
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	86	1	1	80	9	11	82	1	2	82	3	4	0.3
Spirodiclofen	ND			122	12	10	85	7	8	73	6	9	5.8
Spiromefesin	85	5	6	85	4	4	84	4	4	84	5	6	1.4
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	88	5	5	83	7	8	86	3	4	83	7	9	1.2
Sulfentrazone	ND			ND			108	6	5	100	4	4	12.5
Tebuconazole	94	9	10	89	3	3	89	5	6	87	5	6	2.3
Tebufenozide		89			87		91	3	3	87	0	0	0.4
Tebufenpyrad	71	9	12	82	9	11	81	6	7	76	5	6	2.8
Tebuthiuron	102	6	6	96	7	8	91	4	4	94	2	2	1.3
Teflubenzuron		ND			118		82	2	3	77	3	4	7.8
Temephos	ND			ND			ND			ND			ND
Terbumeton	99	4	4	95	6	6	98	5	5	95	3	4	1.0
Terbutryne	88	4	4	85	8	9	94	2	2	87	4	4	1.0
Tetraconazole	97	9	9	87	3	4	90	3	4	89	6	6	2.2
Thiabendazole	72	14	20	76	7	9	79	3	3	80	7	9	4.6
Thiacloprid	111	9	8	99	10	10	87	3	3	88	4	4	1.8
Thiamethoxam	106	3	2	97	4	4	98	5	5	98	3	3	0.6
Thidiazuron	100	6	6	88	7	9	89	3	3	82	3	3	1.5
Thiobencarb	81	5	6	83	7	9	84	6	7	79	8	10	1.4
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	186	31	17	167	35	21	94	19	20	87	20	23	4.0
Triadimefon	103	8	8	92	7	8	98	3	3	94	3	3	1.8
Triadimenol	98	8	8	99	10	10	94	5	6	95	3	3	1.9
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	100	2	2	89	5	5	92	4	4	89	11	12	0.5
Trifloxystrobin	87	5	6	85	6	6	91	2	2	89	4	5	1.4
Triflumizole	88	17	20	81	12	15	82	12	14	73	7	9	4.6
Triflumuron	87	10	12	84	7	8	88	4	5	86	2	2	2.8
Triticonazole	97	4	4	90	5	6	92	2	2	91	2	2	0.9
Vamidothion	109	4	4	99	6	6	102	5	5	98	9	9	0.9
Zoxamide	97	8	8	86	8	9	84	7	9	77	6	8	1.9

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL	
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4	
Strawberry														
3-Hydroxycarbofuran	96	4	5	86	13	15	109	9	8	106	12	11	1.1	
Acephate	90	4	4	79	6	8	83	7	9	93	11	12	0.9	
Acetamiprid	95	3	3	83	4	5	104	11	11	112	13	12	0.8	
Acibenzolar-S-methyl	82	4	5	84	6	7	100	12	12	104	12	11	1.2	
Alanycarb		ND			ND			ND			ND		ND	
Aldicarb sulfoxide	87	5	5	79	6	7	90	6	6	95	12	13	1.3	
Aldicarb	106	6	5	89	6	7	103	11	10	107	10	10	1.2	
Aldoxycarb	94	2	2	83	9	10	100	6	6	108	13	12	0.6	
Ametryn	107	4	4	93	7	8	107	7	7	109	14	13	0.9	
Aminocarb	91	7	8	82	7	9	93	8	9	103	12	12	1.8	
Amitraz		ND			ND			40			43	7	16	ND
Avermectin B1a 1		ND			ND		138	21	15	128	21	16	36.1	
Avermectin B1b 1		ND			ND			ND			ND		ND	
Azoxystrobin	111	14	12	95	8	8	105	15	14	101	12	11	2.9	
Benalaxyl	103	10	10	96	10	11	111	4	4	113	11	10	2.2	
Bendiocarb	97	5	6	92	10	11	107	11	10	114	15	13	1.3	
Benfuracarb	ND			ND			ND			ND			ND	
Benzoximate	98	5	5	90	8	9	104	2	2	107	16	15	1.3	
Bifenazate	102	14	14	99	11	11	113	12	10	105	11	10	3.2	
Bitertanol	91	11	12	103	14	14	105	12	11	104	11	11	2.9	
Boscalid	106	21	20	110	12	11	107	13	12	104	15	14	4.6	
BromuconazoleA	114	21	18	84	15	18	107	13	12	102	10	10	4.3	
BromuconazoleB	97	10	10	101	15	15	107	13	12	102	9	9	2.4	
Bupirimate	102	6	6	98	11	12	111	2	2	107	13	13	1.4	
Buprofezin	97	7	7	89	6	7	108	5	4	117	14	12	1.8	
Butafenacil	98	4	4	94	5	6	111	11	10	107	13	12	0.9	
Butocarboxim	100	10	10	92	16	18	101	17	17	111	14	12	2.3	
Butoxycarboxim	96	6	6	85	7	8	102	9	9	111	12	11	1.5	
Carbaryl	93	5	6	89	13	15	101	8	8	106	12	11	1.3	
Carbendazim	86	4	5	74	6	8	88	9	11	103	12	12	1.1	
Carbetamide	96	14	14	93	9	9	107	9	9	104	8	8	3.3	
Carbofuran	132	7	5	111	8	7	140	15	11	138	15	11	1.2	
Carboxin	101	14	14	93	9	9	101	9	9	100	10	10	3.3	
Carfentrazone-ethyl	122	14	12	107	18	17	116	11	9	110	15	14	2.8	
Chlorantraniliprole	112	8	7	86	11	12	102	9	9	100	13	13	1.8	
Chlorfluazuron		89			108		106	8	8	110	11	10	6.8	
Chlorotoluron	101	13	13	94	12	13	119	9	7	115	17	15	3.0	
Chloroxuron	121	8	6	101	8	8	121	17	14	119	17	14	1.5	
Clethodim	91	5	5	97	5	5	92	6	7	89	24	27	1.2	
Clofentezine		111			103		102	4	4	112	12	10	1.6	
Clothianidin	ND			99	4	4	92	9	10	105	13	12	2.6	
Cyazofamid	98	12	12	88	12	13	121	21	18	114	16	14	2.9	
Cycluron	104	12	12	101	6	6	116	10	9	111	11	10	2.8	
Cymoxanil	95	14	15	89	8	9	109	4	4	112	15	13	3.6	
CyproconazoleA	101	15	15	85	8	10	103	5	5	104	11	10	3.5	
CyproconazoleB	104	5	4	99	10	10	106	16	15	102	10	10	1.0	
Cyprodinil	100	8	8	89	7	8	104	10	9	108	16	15	1.9	
Cyromazine	ND			58	6	10	32	5	17	52	7	13	5.8	
Desmedipham	98	9	9	91	6	7	104	8	7	108	17	16	2.2	
Diclobutrazol	103	29	28	94	12	12	108	3	3	107	9	9	6.6	
Dicrotophos	89	4	4	82	5	7	94	7	7	102	9	9	1.0	
Diethofencarb	105	9	8	95	10	10	120	14	11	111	17	15	2.0	
Difenoconazole	101	6	6	83	14	17	103	9	8	115	15	13	1.3	

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Diflubenzuron	115	26	22	104	12	11	104	6	6	97	9	9	5.3
Dimethoate	93	5	6	80	8	10	100	9	9	104	11	11	1.4
DimethomorphA	118	27	23	92	9	10	108	6	6	106	9	9	5.4
DimethomorphB	92	3	3	90	6	7	101	7	7	99	12	12	0.6
Dimoxystrobin	103	13	13	93	6	6	102	5	5	114	16	14	3.0
Diniconazole	108	8	7	91	3	3	111	24	22	101	13	13	1.7
Dinotefuran	93	5	5	79	3	4	93	9	9	104	13	12	1.3
Dioxacarb	84	2	2	73	8	11	85	8	9	95	11	12	0.6
Diuron	99	15	16	99	16	16	112	5	4	107	14	14	3.7
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	117	13	11	102	7	7	112	5	4	109	10	9	2.7
E-Fenpyroximate	95	7	7	92	5	6	106	6	6	110	9	8	1.7
Emamectin benzoate	109	6	6	96	8	9	126	39	31	110	10	9	1.3
Epoxiconazole	102	8	7	99	2	2	111	4	3	107	13	12	1.7
Eprinomectin		ND			ND		110	9	8	96	6	6	18.6
Etaconazole	113	15	13	100	10	10	103	14	14	106	11	10	3.1
Ethaboxam	93	12	13	79	2	2	100	8	8	107	12	11	3.1
Ethiofencarb	103	7	6	91	8	9	107	8	8	101	11	11	1.5
Ethiprole	92	19	21	86	10	11	115	10	9	112	18	16	4.9
Ethirimol	83	5	6	76	6	8	82	11	13	92	10	11	1.3
Ethofumesate		96		93	10	11	119	11	9	108	15	14	2.2
Etoxazole	98	7	8	85	6	7	99	7	7	105	10	10	1.8
Famoxadone	99	20	20	92	16	17	109	16	15	109	13	12	4.8
Fenamidone	96	11	12	86	9	11	100	5	5	102	13	12	2.8
Fenarimol		109		80	9	12	102	3	3	108	10	10	3.8
Fenazaquin	88	8	9	82	3	3	106	7	7	111	12	11	2.2
Fenbuconazole		114		95	13	14	119	8	6	111	14	13	1.5
Fenhexamid	66	25	38	76	10	13	77	3	4	79	18	23	8.9
Fenoxycarb	102	12	12	86	13	15	121	9	7	119	14	12	2.9
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	95	3	3	87	13	15	101	16	15	105	12	11	0.8
Flonicamid	113	2	2	85	8	10	97	13	14	105	12	12	0.5
Flubendiamide		ND			ND			124		103	49	47	32.5
Fludioxinil		92		101	34	34	113	16	14	107	13	12	7.7
Flufenacet	109	12	11	96	9	10	120	11	10	111	14	12	2.6
Flufenoxuron	98	15	15	90	9	10	101	6	6	107	11	11	3.5
Fluometuron	99	8	9	94	12	13	106	7	7	104	12	12	2.0
Fluoxastrobin	103	7	6	88	9	10	104	8	7	105	14	13	1.5
Fluquinconazole	114	29	25	83	7	9	104	7	7	103	13	12	6.0
Flusilazole	98	11	11	95	9	9	105	10	9	104	14	13	2.7
Flutolanil	111	14	13	101	5	5	114	13	11	107	14	14	3.0
Flutriafol	100	11	11	90	8	8	107	13	12	108	14	13	2.5
Forchlorfenuron	102	6	6	80	8	10	103	6	6	105	15	14	1.4
Formetanate HCl	85	10	12	74	5	7	78	7	9	87	10	12	2.8
Fuberidazole	92	3	3	83	8	10	93	9	9	101	10	10	0.8
Furalaxyl	118	10	8	112	5	5	106	7	7	109	17	15	1.9
Furathiocarb	106	14	13	91	6	7	107	11	10	107	11	11	3.0
Hexaconazole	98	21	22	91	4	4	101	5	5	104	10	10	5.1
Hexaflumuron		ND			82		100	10	10	111	11	10	4.8
Hexythiazox	102	9	9	88	2	3	104	6	6	106	11	10	2.0
Hydramethylnon	102	10	10	98	9	9	106	9	9	101	20	19	2.3
Imazalil	106	21	20	91	16	17	96	6	7	101	9	9	4.7
Imidacloprid	95	6	6	86	16	19	99	5	5	104	12	12	1.5
Indoxacarb		ND			82		112	11	9	108	19	18	11.4

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	97	8	8	87	4	4	110	9	8	106	12	11	2.0
Iprovalicarb	104	11	11	96	12	13	108	8	7	110	15	14	2.5
Isoprocab	110	6	6	93	11	12	109	5	5	107	12	11	1.4
Isoproturon	105	4	4	99	7	7	114	13	11	111	15	13	0.8
Isoxaflutole	ND			97	14	14	108	6	6	113	20	17	8.2
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		127		88	14	16	118	8	7	101	15	15	1.6
Linuron	103	17	16	106	24	22	127	14	11	124	15	12	3.8
Lufenuron		ND			57		102	6	6	107	9	9	6.6
Mandipropamide	102	16	16	100	9	9	110	9	8	108	13	12	3.7
Mefenacet	106	12	12	96	6	6	114	8	7	111	17	16	2.8
Mepanipirim	93	20	21	99	14	14	109	12	11	111	10	9	5.0
Mepronil	106	13	13	100	5	5	120	11	9	107	13	12	3.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		128			88		96	14	15	104	12	12	1.4
Metalaxyl	98	7	7	89	8	9	106	7	6	108	12	11	1.6
Metconazole		87			88		102	12	12	108	16	15	3.4
Methabenzthiazuron	100	12	12	90	7	8	113	11	10	112	18	16	2.7
Methamidophos	75	3	4	68	6	9	80	10	12	86	10	11	1.0
Methiocarb	117	9	8	116	12	11	121	6	5	109	10	9	1.8
Methomyl	119	7	6	107	9	8	129	7	6	133	17	13	1.3
Methoprotryne	107	3	2	93	6	7	111	9	8	107	9	8	0.6
Methoxyfenozide	113	12	11	103	10	10	127	13	10	114	16	14	2.6
Metobromuron	100	16	16	94	13	13	111	4	4	110	14	13	3.8
Metribuzin	95	21	22	77	14	18	104	3	3	107	11	11	5.2
Mevinphos-E	97	5	5	82	7	9	97	7	7	104	13	13	1.3
Mevinphos-Z	98	4	4	89	6	6	104	11	10	109	15	14	0.9
Mexacarbate		90		113	18	16	127	14	11	110	14	13	4.8
Monocrotophos	92	7	8	80	4	4	93	9	10	102	9	8	1.8
Monolinuron	103	9	9	94	9	10	111	12	11	113	15	13	2.1
Moxidectin		ND			ND			123			102		11.7
Moxidectin+Na		ND			ND			108			111		47.6
Myclobutanil	90	17	19	104	18	17	108	18	17	108	12	12	4.5
Neburon	97	17	17	87	6	7	107	4	4	108	12	11	4.1
Nitenpyram	86	15	17	89	6	7	91	8	9	90	11	12	4.0
Novaluron	97	14	15	91	16	18	97	6	6	110	7	7	3.4
Nuarimol	104	10	10	79	10	13	101	7	7	106	10	9	2.2
Omethoate	87	4	4	82	8	9	94	9	9	100	8	8	1.0
Oxadixyl	96	8	8	87	7	8	102	8	7	107	11	10	1.9
Oxamyl	94	5	5	84	7	8	104	10	10	104	12	11	1.2
Paclobutrazol	114	11	10	98	9	10	105	4	4	106	13	12	2.4
Penconazole		108			94		108	9	8	110	13	11	3.4
Pencycuron	90	9	10	86	7	8	99	10	10	102	17	17	2.3
Phenmedipham	104	12	12	92	19	20	110	10	9	111	15	14	2.7
Picoxystrobin		100		107	11	11	120	17	14	102	16	16	2.3
Piperonyl butoxide	105	8	7	99	20	20	101	6	6	105	10	10	1.8
Pirimicarb	94	10	10	84	8	9	104	6	6	108	9	9	2.5
Prochloraz	101	10	10	97	10	10	101	4	4	106	8	8	2.3
Promecarb	110	10	9	109	4	4	122	7	6	112	11	10	2.1
Prometon	100	5	5	87	9	11	101	10	10	109	14	12	1.2
Prometryne	89	31	35	85	11	13	100	7	7	108	12	11	8.1
Propamocarb	90	15	17	73	7	10	72	6	8	82	6	7	4.0
Propargite	90	6	7	86	3	4	108	6	5	108	13	12	1.6
Propham	101	7	7	93	16	17	106	8	7	110	13	11	1.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	104	15	15	91	8	8	111	13	12	105	11	10	3.5
Propoxur	94	6	6	85	5	6	100	8	8	110	14	13	1.5
Pymetrozine	26	1	3	17	1	4	3	2	77	17	2	14	0.7
Pyracarbolid	96	6	7	83	5	6	96	11	12	99	11	11	1.6
Pyraclostrobin	101	5	5	95	15	15	107	10	9	115	19	17	1.3
Pyridaben		102			93		105	5	5	110	11	10	1.6
Pyrimethanil	116	6	5	102	10	10	98	5	5	106	14	13	1.3
Pyriproxyfen	100	4	4	91	3	3	104	5	5	108	12	11	1.0
Quinoxifen	88	11	13	82	6	7	103	4	4	109	13	12	3.0
Rotenone	112	11	9	87	10	11	111	18	16	108	11	10	2.2
Secbumeton	96	8	9	88	9	10	102	7	7	107	13	12	2.0
Siduron	105	10	9	98	10	10	114	15	13	109	14	13	2.2
Simetryne	93	7	8	85	7	8	102	9	9	107	9	9	1.8
SpinetoramA	105	18	17	93	5	5	105	5	4	106	11	10	4.1
SpinetoramB	117	9	8	94	7	7	97	4	5	102	7	7	1.8
Spinosad	98	11	11	85	6	7	102	9	9	105	9	8	2.7
Spirodiclofen	104	19	18	97	11	11	99	10	10	101	10	10	4.2
Spiromefesin	122	42	34	106	15	14	111	8	8	118	37	31	8.1
Spirotetramat	101	21	21	89	10	11	93	7	8	96	11	12	4.9
Spiroxamine	107	12	11	100	9	9	101	10	10	105	10	10	2.6
Sulfentrazone	70	12	17	76	14	18	101	10	10	99	24	24	4.1
Tebuconazole	95	13	14	81	10	12	106	12	11	111	12	11	3.2
Tebufenozide		113			95		109	23	21	105	13	13	2.5
Tebufenpyrad	97	14	15	81	6	7	101	8	7	106	9	9	3.4
Tebuthiuron	98	7	7	92	11	12	102	5	5	107	12	11	1.6
Teflubenzuron		ND			138		98	12	12	107	14	13	13.7
Temephos	97	9	9	94	12	13	105	7	6	116	19	16	2.2
Terbumeton	112	12	11	90	14	16	108	5	5	140	22	16	2.5
Terbutryne	103	6	5	96	7	8	107	8	8	112	13	12	1.3
Tetraconazole	93	14	15	85	12	14	99	9	9	99	14	14	3.6
Thiabendazole	84	2	2	72	7	10	90	11	12	99	8	8	0.6
Thiacloprid	98	11	11	86	7	8	101	9	9	105	12	11	2.5
Thiamethoxam	87	6	6	84	10	11	100	11	11	105	14	13	1.5
Thidiazuron	89	11	12	77	8	11	90	8	9	98	17	17	2.8
Thiobencarb	110	6	6	97	9	9	106	14	13	105	17	16	1.3
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	102	7	7	92	4	5	113	15	13	109	15	14	1.6
Triadimefon	85	6	7	88	7	7	103	10	10	108	10	9	1.7
Triadimenol	93	11	12	81	8	9	96	8	8	105	10	10	2.8
Trichlorfon	95	8	9	71	4	6	92	6	7	99	14	14	2.0
Tricyclazole	88	8	9	78	7	9	99	11	11	102	8	8	2.1
Trifloxystrobin	99	7	7	98	9	9	103	11	11	102	13	12	1.6
Triflumizole	110	9	8	107	18	17	119	10	8	110	14	13	1.9
Triflumuron	110	7	6	85	13	15	115	12	11	115	15	13	1.5
Triticonazole	104	17	16	96	7	7	108	10	9	109	13	12	3.8
Vamidothion	96	3	3	84	6	8	94	10	11	98	11	11	0.8
Zoxamide	101	14	14	91	9	9	109	4	3	106	11	10	3.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Tomato													
3-Hydroxycarbofuran	108	4	3	94	10	11	94	8	8	76	2	3	0.8
Acephate	87	11	12	84	10	12	88	4	5	78	6	8	2.9
Acetamiprid	108	5	5	101	15	15	107	4	4	76	3	4	1.1
Acibenzolar-S-methyl	100	5	5	96	8	9	100	3	3	83	6	8	1.3
Alanycarb		ND			ND			ND			ND		ND
Aldicarb sulfoxide	102	13	13	94	7	8	97	5	5	79	4	5	3.1
Aldicarb	106	6	5	99	13	13	105	11	10	89	5	6	1.2
Aldoxycarb	101	2	2	93	11	11	107	5	5	83	5	6	0.4
Ametryn	99	14	14	95	9	9	99	6	6	80	5	6	3.3
Aminocarb	94	6	7	90	9	10	98	4	4	81	6	8	1.6
Amitraz		ND			ND			19		32	4	11	ND
Avermectin B1a 1		ND			ND		101	16	16	59	14	23	37.8
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	94	9	10	94	8	9	96	6	6	76	5	7	2.3
Benalaxyl	98	11	11	100	10	10	105	14	13	87	6	7	2.7
Bendiocarb	96	9	9	94	12	13	102	6	6	77	4	5	2.1
Benfuracarb	ND			ND			ND			ND			ND
Benzoximate	89	12	13	98	24	24	98	9	10	68	6	8	3.2
Bifenazate	87	11	13	90	25	27	99	12	12	80	6	8	3.0
Bitertanol	83	23	27	81	20	24	90	14	15	82	8	9	6.4
Boscalid	102	15	15	100	24	24	97	8	8	79	7	9	3.5
BromuconazoleA	81	6	8	98	23	23	98	7	7	77	5	7	1.8
BromuconazoleB	101	3	3	92	17	18	103	8	7	82	6	8	0.8
Bupirimate	87	12	14	95	17	18	103	3	3	84	11	13	3.2
Buprofezin	114	12	10	99	28	28	119	7	6	84	3	3	2.4
Butafenacil	111	12	11	97	11	12	119	22	18	79	6	8	2.5
Butocarboxim	103	3	3	102	14	13	97	1	1	74	4	5	0.7
Butoxycarboxim	102	6	6	93	15	16	98	3	3	83	7	9	1.3
Carbaryl	112	10	9	99	13	13	97	10	10	73	5	7	2.1
Carbendazim	89	5	5	86	13	15	97	4	4	78	5	6	1.2
Carbetamide	105	8	8	91	10	11	94	8	9	70	7	9	1.8
Carbofuran	140	15	11	137	17	12	147	8	5	107	6	5	2.6
Carboxin	104	8	8	98	10	10	96	10	10	71	7	10	1.8
Carfentrazone-ethyl	98	36	37	105	20	19	98	6	6	77	4	5	8.6
Chlorantraniliprole	93	18	19	88	12	13	96	5	5	76	4	5	4.5
Chlorfluazuron		90			85		89	5	6	72	5	6	5.4
Chlorotoluron	92	14	15	98	14	14	108	6	5	81	8	10	3.6
Chloroxuron	84	14	17	101	18	18	98	4	4	72	4	6	4.0
Clethodim	68	7	11	65	13	20	71	3	4	67	4	6	2.5
Clofentezine		108			91		92	3	3	77	4	5	1.9
Clothianidin	99	10	10	96	3	3	112	6	5	88	4	5	2.3
Cyazofamid	92	8	9	105	20	19	104	6	5	74	5	7	2.2
Cycluron	107	13	12	102	13	13	100	7	7	76	5	7	2.9
Cymoxanil	97	6	6	94	11	11	105	11	11	79	3	4	1.4
CyproconazoleA	98	11	12	95	19	20	109	5	5	82	5	6	2.7
CyproconazoleB	96	10	11	91	14	15	98	4	4	81	5	6	2.5
Cyprodinil	100	3	3	98	11	11	105	7	6	84	6	7	0.8
Cyromazine	70	25	36	52	13	26	52	5	9	46	3	7	8.4
Desmedipham	98	14	14	92	10	11	95	4	4	73	5	7	3.4
Diclobutrazol	94	6	7	95	17	18	99	4	5	77	4	6	1.5
Dicrotophos	100	3	3	93	12	13	99	7	7	84	3	4	0.7
Diethofencarb	98	11	11	97	12	12	100	4	4	76	6	7	2.6
Difenoconazole	106	5	4	94	12	12	98	4	4	84	7	9	1.0

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diflubenzuron	100	10	10	90	15	16	92	6	7	77	11	14	2.3
Dimethoate	107	6	6	95	15	16	106	11	10	85	7	8	1.3
DimethomorphA	105	22	21	89	12	13	98	9	9	80	8	10	5.0
DimethomorphB	91	16	17	98	8	8	105	7	6	82	5	6	4.1
Dimoxystrobin	101	13	13	102	12	12	99	4	4	79	9	12	3.0
Diniconazole	69	14	21	87	15	17	99	13	13	82	4	5	4.9
Dinotefuran	103	10	10	97	12	13	102	6	6	78	5	6	2.4
Dioxacarb	99	13	14	93	10	11	97	4	4	74	4	6	3.2
Diuron	97	15	16	108	17	15	114	3	3	75	4	5	3.7
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			88		ND
Emamectin	136	9	7	103	16	16	113	7	6	90	7	8	1.6
E-Fenpyroximate	90	4	5	93	16	18	95	2	2	81	3	4	1.1
Emamectin benzoate	133	10	7	105	20	19	107	3	3	92	11	11	1.7
Epoxiconazole	77	6	8	87	16	19	94	10	10	79	4	6	1.8
Eprinomectin		ND			109		94	22	23	75	8	11	10.2
Etaconazole	93	12	13	89	15	17	110	12	11	81	4	5	3.0
Ethaboxam	97	9	9	87	4	5	97	2	2	76	2	2	2.1
Ethiofencarb	119	24	20	97	13	14	104	7	7	75	7	9	4.8
Ethiprole	101	26	26	97	16	16	108	6	5	75	6	7	6.1
Ethirimol	90	7	8	88	12	13	93	5	5	70	3	5	1.9
Ethofumesate		93		94	19	20	104	4	4	79	9	12	3.2
Etoxazole	99	6	6	92	11	12	95	2	3	79	5	6	1.5
Famoxadone	94	15	16	87	18	21	95	4	4	85	9	10	3.8
Fenamidone	102	13	12	102	11	10	101	6	6	84	3	3	2.9
Fenarimol		114		113	12	11	94	6	6	76	4	5	3.7
Fenazaquin	93	10	11	105	16	15	113	13	11	84	11	13	2.6
Fenbuconazole		103		95	17	18	101	5	5	80	2	2	3.0
Fenhexamid	59	13	22	68	6	9	71	6	9	56	5	9	5.2
Fenoxycarb	100	5	5	110	9	9	106	8	8	77	5	6	1.3
Fenpropimorph		ND			ND			ND			ND		ND
Fenuron	101	11	11	101	8	8	113	9	8	74	9	12	2.5
Flonicamid	96	11	11	101	22	21	104	9	9	79	7	9	2.6
Flubendiamide		ND			ND			96		94	18	19	26.2
Fludioxinil		90		96	28	30	103	8	8	64	9	14	9.8
Flufenacet	96	9	10	101	10	10	107	3	3	78	3	4	2.3
Flufenoxuron	102	13	12	96	15	16	96	7	8	77	4	5	2.9
Fluometuron	106	13	13	98	12	12	103	5	4	79	5	6	3.0
Fluoxastrobin	96	15	16	97	14	14	105	6	6	85	3	4	3.8
Fluquinconazole	123	24	19	96	14	15	98	10	10	84	5	6	4.5
Flusilazole	81	15	19	94	13	13	99	6	6	77	9	12	4.5
Flutolanil	101	16	16	99	17	17	105	8	7	70	4	6	3.7
Flutriafol	108	15	14	94	10	11	106	9	9	82	3	4	3.3
Forchlorfenuron	97	10	11	98	13	13	97	7	8	66	7	11	2.5
Formetanate HCl	91	7	7	83	9	11	87	7	8	74	7	10	1.8
Fuberidazole	97	7	8	90	10	11	97	4	4	77	2	3	1.8
Furalaxyl	94	8	9	96	20	21	103	4	4	78	6	8	2.0
Furathiocarb	96	8	9	87	11	13	98	6	6	81	5	6	2.0
Hexaconazole	103	20	19	96	10	10	95	3	3	80	7	8	4.5
Hexaflumuron		93			59		107	8	7	88	10	11	3.2
Hexythiazox	102	11	11	94	15	16	96	5	5	77	2	3	2.7
Hydramethylnon	55	7	12	53	11	21	46	16	35	34	15	43	2.9
Imazalil	89	11	12	95	13	13	97	11	12	73	5	6	2.9
Imidacloprid	95	7	7	97	12	12	101	3	3	76	4	5	1.8
Indoxacarb		ND			90		92	10	11	81	8	10	11.3

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Ipconazole	103	15	14	93	14	15	98	2	2	86	8	10	3.4
Iprovalicarb	102	8	8	94	13	14	103	4	4	82	8	9	1.9
Isoprocarb	93	10	11	97	8	8	105	5	5	85	4	5	2.6
Isoproturon	106	5	5	101	11	11	101	6	6	79	6	7	1.2
Isoxaflutole	82	18	22	80	3	4	90	8	9	75	3	4	5.2
Ivermectin		ND			ND			ND			ND		ND
Ivermectin+NH4		ND			ND			ND			ND		ND
Kresoxim-methyl		94		100	30	30	98	19	19	62	2	4	6.6
Linuron	98	10	10	96	14	14	105	3	3	75	11	15	2.5
Lufenuron		131			105		99	5	5	73	6	9	1.8
Mandipropamide	91	18	20	90	7	8	108	16	15	72	7	10	4.7
Mefenacet	97	11	11	98	11	11	108	6	5	82	6	7	2.6
Mepanipyrim	96	9	10	95	9	10	102	8	8	70	3	5	2.3
Mepronil	99	15	15	97	15	15	102	6	6	70	6	8	3.5
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		109			94		108	5	5	83	7	8	4.7
Metalaxyl	97	10	10	94	10	10	101	4	4	81	5	6	2.5
Metconazole		107			107		111	6	6	86	9	10	2.5
Methabenzthiazuron	87	8	9	91	13	14	111	6	6	77	4	5	2.1
Methamidophos	97	10	10	78	12	15	86	9	10	79	5	7	2.4
Methiocarb	102	14	13	101	13	13	106	10	10	68	5	8	3.1
Methomyl	130	3	2	124	14	11	132	6	5	103	10	10	0.6
Methoprotryne	96	3	3	95	14	15	104	6	6	81	4	5	0.7
Methoxyfenozide	103	8	7	96	13	13	107	8	7	74	4	6	1.7
Metobromuron	91	10	11	93	9	10	100	7	7	76	6	7	2.6
Metribuzin	87	12	14	83	9	11	103	8	8	82	4	5	3.2
Mevinphos-E	94	10	11	97	14	14	102	1	1	89	5	6	2.6
Mevinphos-Z	96	2	3	98	15	16	99	3	3	78	5	7	0.6
Mexacarbate		102		95	15	16	97	13	13	73	5	6	2.0
Monocrotophos	97	7	7	93	11	12	105	8	7	84	6	7	1.6
Monolinuron	103	11	10	98	11	11	105	5	5	76	4	6	2.4
Moxidectin		ND			ND			125			84		37.5
Moxidectin+Na		ND			ND			126			82		ND
Myclobutanil	111	12	11	100	11	11	100	7	7	80	7	8	2.6
Neburon	87	9	10	91	19	21	94	6	6	64	4	6	2.3
Nitenpyram	94	8	8	89	10	11	89	4	5	71	5	7	2.0
Novaluron	98	27	28	99	30	30	110	13	12	90	12	13	6.6
Nuarimol	102	12	12	90	12	13	110	10	9	80	5	6	2.8
Omethoate	97	5	5	90	11	12	95	5	5	80	6	8	1.2
Oxadixyl	96	4	4	96	9	10	100	6	6	78	5	7	1.0
Oxamyl	93	5	5	92	12	13	97	1	1	79	7	9	1.2
Paclobutrazol	94	19	20	90	20	23	98	11	11	79	7	9	4.8
Penconazole		102			99		105	4	4	79	7	9	5.0
Pencycuron	93	7	8	96	15	16	102	4	3	77	5	6	1.8
Phenmedipham	94	6	7	87	10	12	89	5	5	68	3	5	1.6
Picoxystrobin		101		95	16	17	95	6	6	71	5	7	1.1
Piperonyl butoxide	107	11	10	95	12	13	104	4	4	83	7	8	2.4
Pirimicarb	100	4	4	95	13	14	99	5	5	78	4	5	0.9
Prochloraz	100	6	7	89	12	14	96	2	2	82	3	3	1.5
Promecarb	91	13	15	99	12	12	112	8	7	73	8	10	3.4
Prometon	99	7	7	95	13	14	101	4	4	82	4	5	1.7
Prometryne	93	11	12	95	17	18	114	11	10	80	5	7	2.8
Propamocarb	152	5	4	113	10	9	110	7	7	83	5	6	0.8
Propargite	101	9	9	92	15	17	99	3	3	79	4	5	2.0
Propham	114	22	20	110	17	15	112	8	7	90	7	7	4.6

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Propiconazole	114	17	15	98	14	14	104	7	7	81	7	8	3.6
Propoxur	99	10	10	95	9	10	110	6	5	85	4	5	2.3
Pymetrozine	32	2	6	36	5	13	39	2	6	29	4	12	1.4
Pyracarbolid	95	5	5	100	11	11	104	8	8	81	7	8	1.3
Pyraclostrobin	100	13	13	101	14	13	102	5	5	88	7	8	3.0
Pyridaben		92			94		99	3	3	78	4	6	1.5
Pyrimethanil	97	15	16	95	17	18	105	10	10	81	10	12	3.7
Pyriproxyfen	105	4	4	93	12	13	101	4	4	79	5	6	1.0
Quinoxifen	98	9	9	99	17	17	100	6	6	79	3	4	2.1
Rotenone	103	9	9	89	15	16	89	4	5	73	5	7	2.2
Secbumeton	96	11	11	94	11	12	102	6	6	81	1	1	2.6
Siduron	92	7	7	95	14	15	100	7	7	72	5	7	1.7
Simetryne	97	8	8	91	10	11	96	5	5	72	4	5	2.0
SpinetoramA	115	8	7	103	16	16	109	4	4	85	4	5	1.7
SpinetoramB	105	8	8	95	20	21	101	7	7	83	5	5	1.9
Spinosad	102	8	8	100	17	17	102	4	4	86	5	6	1.9
Spirodiclofen	93	16	17	83	17	20	79	5	7	71	6	9	4.0
Spiromefesin	88	22	25	84	4	4	97	19	19	67	7	11	5.8
Spirotetramat	71	6	9	73	13	18	79	8	10	75	6	8	2.0
Spiroxamine	104	9	8	97	12	13	104	2	2	87	7	8	1.9
Sulfentrazone	ND			60	11	19	73	10	13	64	6	9	11.0
Tebuconazole	98	8	8	89	10	12	98	3	3	85	6	7	1.9
Tebufenozide		104			99		91	16	17	68	9	14	4.9
Tebufenpyrad	120	15	12	99	10	10	101	10	10	82	6	7	2.9
Tebuthiuron	95	10	10	90	8	9	97	6	6	75	4	6	2.4
Teflubenzuron		99			77		109	13	12	71	4	5	4.4
Temephos	118	10	8	98	18	18	102	7	7	81	4	5	2.0
Terbumeton	96	14	15	93	10	11	101	4	4	79	4	5	3.4
Terbutryne	102	12	11	102	13	13	107	6	6	81	4	5	2.7
Tetraconazole	103	10	9	98	18	19	96	5	5	82	9	10	2.2
Thiabendazole	94	9	9	92	7	8	105	7	6	70	6	9	2.2
Thiacloprid	99	11	11	94	9	9	93	8	9	69	7	10	2.7
Thiamethoxam	98	11	11	94	12	13	104	8	8	86	5	6	2.6
Thidiazuron	84	9	11	84	12	14	90	3	4	66	3	4	2.7
Thiobencarb	106	10	10	99	11	11	104	5	4	83	5	6	2.3
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	107	8	8	99	13	13	101	2	2	73	3	4	1.8
Triadimefon	96	15	16	90	18	19	100	3	3	82	9	11	3.7
Triadimenol	100	9	10	103	8	8	104	6	5	83	2	3	2.2
Trichlorfon	92	3	4	84	10	12	85	7	9	66	4	5	0.9
Tricyclazole	99	7	7	96	15	16	102	5	5	80	4	5	1.5
Trifloxystrobin	102	13	13	89	11	13	102	4	4	80	4	5	3.0
Triflumizole	112	10	9	90	20	22	107	5	5	81	2	3	2.1
Triflumuron	95	5	5	91	15	17	104	15	14	80	6	7	1.2
Triticonazole	90	16	18	91	9	10	95	6	7	81	6	8	4.3
Vamidotion	100	6	6	103	17	17	107	8	7	80	7	9	1.5
Zoxamide	107	10	10	94	10	10	101	4	4	80	6	8	2.2

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Wheat Flour													
3-Hydroxycarbofuran	103	5	5	108	4	4	111	10	9	113	3	3	1.2
Acephate	143	35	25	87	2	2	89	6	7	90	3	3	5.8
Acetamiprid	110	4	3	108	3	3	116	10	8	114	6	5	0.8
Acibenzolar-S-methyl	106	7	7	108	5	4	107	6	6	109	5	4	1.6
Alanycarb		130			109		104	5	5	102	5	5	2.7
Aldicarb sulfoxide	93	5	5	96	4	5	88	18	20	94	4	4	1.2
Aldicarb	115	5	4	114	5	5	104	13	13	114	9	8	1.0
Aldoxycarb	106	5	5	105	4	4	116	8	7	111	4	4	1.1
Ametryn	106	8	7	108	7	6	116	8	7	111	4	3	1.7
Aminocarb	107	5	5	113	5	5	97	10	10	103	7	7	1.2
Amitraz		ND			ND			ND		87	9	10	ND
Avermectin B1a 1		ND			ND		ND			186	17	9	ND
Avermectin B1b 1		ND			ND			ND			ND		ND
Azoxystrobin	110	8	7	116	4	3	122	7	6	108	4	3	1.6
Benalaxyl	119	10	9	110	3	3	115	8	7	116	2	2	2.0
Bendiocarb	106	4	4	113	5	4	118	5	4	117	5	4	0.9
Benfuracarb	118	8	7	112	5	4	110	7	6	108	5	4	1.7
Benzoximate	95	18	19	109	11	10	122	11	9	109	4	3	4.4
Bifenazate	ND			ND			ND			ND			ND
Bitertanol	121	31	26	111	11	10	114	7	6	121	3	2	6.0
Boscalid	100	22	22	118	10	9	113	13	12	117	6	5	5.2
BromuconazoleA	122	26	21	107	6	6	116	7	6	116	2	2	5.0
BromuconazoleB	105	18	17	111	12	11	115	12	10	113	5	4	4.0
Bupirimate	116	18	16	109	5	4	118	13	11	117	3	3	3.7
Buprofezin	110	13	12	98	4	4	110	9	8	107	8	7	2.9
Butafenacil	111	15	14	113	4	3	116	7	6	114	4	4	3.2
Butocarboxim	111	15	14	119	17	14	124	12	10	128	15	12	3.3
Butoxycarboxim	108	9	8	105	5	4	112	8	7	107	3	3	2.0
Carbaryl	105	36	34	105	14	13	101	6	6	105	4	4	8.0
Carbendazim	66	3	5	71	3	4	85	7	8	101	2	2	1.1
Carbetamide	109	9	8	96	3	4	104	7	6	105	2	2	1.9
Carbofuran	90	7	8	93	3	3	111	11	10	117	7	6	1.9
Carboxin	93	15	16	94	12	13	90	4	5	97	4	4	3.8
Carfentrazone-ethyl	115	17	15	112	6	6	115	6	5	114	3	3	3.5
Chlorantraniliprole	ND			ND			ND			ND			ND
Chlorfluazuron		114			122		121	9	7	122	4	3	4.9
Chlorotoluron	103	10	10	111	9	8	112	7	6	115	4	3	2.2
Chloroxuron	110	14	12	110	3	3	114	11	10	105	5	5	2.9
Clethodim	81	24	30	76	9	12	72	7	10	79	2	3	7.1
Clofentezine		22			20		31	4	13	92	4	4	16.2
Clothianidin	110	15	14	106	6	5	112	8	7	113	3	3	3.3
Cyazofamid	121	19	15	112	7	6	126	10	8	108	5	5	3.6
Cycluron	104	10	10	112	7	7	118	11	9	104	6	6	2.4
Cymoxanil	122	12	9	120	8	7	118	8	7	108	5	5	2.2
CyproconazoleA	115	6	5	106	3	3	107	9	8	111	5	4	1.2
CyproconazoleB	114	19	17	108	10	9	111	7	7	114	3	3	3.9
Cyprodinil	115	14	12	107	5	5	112	12	11	108	5	5	2.8
Cyromazine	ND			ND			ND			ND			ND
Desmedipham	ND			ND			162	10	6	136	2	2	14.2
Diclobutrazol	120	13	11	112	10	9	116	14	12	113	3	2	2.6
Dicrotophos	107	6	5	104	5	5	111	10	9	114	4	3	1.3
Diethofencarb	117	11	9	110	5	4	117	8	7	107	4	4	2.1
Difenoconazole	114	7	6	112	2	2	115	8	7	115	3	3	1.5

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL N=4
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	
Diffubenzuron	119	14	12	117	10	9	125	10	8	117	3	2	2.8
Dimethoate	106	4	3	110	6	5	114	9	8	111	5	4	0.8
DimethomorphA	108	9	8	108	7	7	107	11	10	111	4	3	2.0
DimethomorphB	123	14	12	109	4	4	114	8	7	116	4	4	2.8
Dimoxystrobin	115	9	7	112	1	1	114	8	7	108	3	3	1.8
Diniconazole	114	11	10	100	5	5	111	13	11	107	3	3	2.4
Dinotefuran	122	8	6	101	4	4	103	8	8	101	8	8	1.5
Dioxacarb	117	8	7	111	8	7	116	9	8	103	11	11	1.6
Diuron	88	9	11	106	6	6	123	8	6	112	4	4	2.5
Doramectin		ND			ND			ND			ND		ND
Doramectin+NH4		ND			ND			ND			ND		ND
Emamectin	123	22	18	101	3	3	107	10	9	108	5	5	4.2
E-Fenpyroximate	115	9	8	124	4	4	122	8	6	124	6	5	1.8
Emamectin benzoate	127	27	21	99	6	6	110	9	8	111	2	2	5.1
Epoxiconazole	195	9	5	147	17	11	112	8	7	116	2	2	1.1
Eprinomectin		ND			135		142	20	14	134	12	9	9.4
Etaconazole	123	19	15	109	6	5	110	9	8	116	5	4	3.6
Ethaboxam	ND			ND			ND			ND			ND
Ethiofencarb	101	22	22	91	4	4	89	4	4	97	1	1	5.2
Ethiprole	119	10	8	121	10	8	120	7	6	111	3	3	1.9
Ethirimol	ND			ND			ND			70	18	26	ND
Ethofumesate		117		115	11	9	118	10	8	116	2	2	2.0
Etoxazole	112	15	13	108	4	4	113	10	9	113	2	1	3.1
Famoxadone	89	19	22	100	15	15	110	8	7	112	3	3	5.1
Fenamidone	108	8	7	114	4	4	113	5	4	119	4	3	1.7
Fenarimol		171		131	25	19	110	9	8	112	4	3	4.6
Fenazaquin	100	12	12	98	10	11	108	10	9	114	4	4	2.8
Fenbuconazole		102		110	10	9	115	8	7	115	2	2	3.6
Fenhexamid	79	7	8	73	5	6	76	6	8	86	1	2	2.0
Fenoxycarb	113	25	22	99	8	8	109	6	5	109	6	5	5.2
Fenpropimorph		111			106			106			109		2.3
Fenuron	106	8	8	115	9	8	125	7	6	109	4	4	1.9
Flonicamid	ND			ND			ND			ND			ND
Flubendiamide		ND			ND			ND			ND		ND
Fludioxinil		ND		139	33	24	135	8	6	116	6	5	14.1
Flufenacet	118	18	15	115	6	5	122	10	8	117	3	2	3.6
Flufenoxuron	129	17	13	112	6	6	119	8	7	123	6	5	3.1
Fluometuron	115	7	6	116	8	6	116	10	9	115	5	4	1.4
Fluoxastrobin	124	12	10	118	5	4	119	9	7	115	3	2	2.3
Fluquinconazole	106	17	16	120	2	2	113	15	13	115	2	2	3.8
Flusilazole	108	22	20	107	13	12	112	10	9	115	3	3	4.8
Flutolanil	114	9	8	113	6	6	127	10	8	111	5	4	1.8
Flutriafol	99	7	7	105	6	5	108	8	8	111	4	3	1.7
Forchlorfenuron	100	9	9	103	6	6	105	9	9	110	4	4	2.1
Formetanate HCl	124	18	15	92	3	3	92	7	7	101	3	3	3.5
Fuberidazole	93	11	12	96	4	4	99	6	6	102	2	2	2.9
Furalaxyl	112	7	6	111	3	2	123	11	9	112	3	3	1.4
Furathiocarb	ND			ND			164	11	7	126	4	3	15.4
Hexaconazole	112	16	14	100	6	6	110	9	8	110	5	4	3.3
Hexaflumuron		ND			117		114	10	9	111	6	6	9.6
Hexythiazox	120	17	14	101	5	5	110	6	5	109	7	7	3.4
Hydramethylnon	86	20	24	81	8	10	91	6	6	106	1	1	5.6
Imazalil	99	10	10	98	5	5	96	8	8	112	3	3	2.4
Imidacloprid	85	4	5	104	7	7	115	11	10	112	3	2	1.2
Indoxacarb		ND			125		126	9	7	109	7	6	9.8

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Ipconazole	112	21	19	102	4	4	108	8	8	113	4	4	4.4
Iprovalicarb	115	7	6	108	6	5	112	10	9	115	4	3	1.4
Isoprocarb	108	7	7	112	8	7	114	8	7	113	3	3	1.5
Isoproturon	113	7	6	112	4	4	117	7	6	108	4	4	1.4
Isoxaflutole	ND			ND			133	13	9	111	1	1	22.3
Ivermectin		ND			ND			ND			137		ND
Ivermectin+NH4		ND			125			120			105		6.0
Kresoxim-methyl		158		114	12	11	124	11	9	112	4	3	2.5
Linuron	125	24	19	127	17	13	126	11	9	116	1	1	4.5
Lufenuron		164			116		115	12	11	117	6	5	1.7
Mandipropamide	122	8	6	112	5	5	117	7	6	116	5	4	1.5
Mefenacet	112	7	6	112	5	5	117	11	10	114	1	1	1.5
Mepanipyrim	107	20	19	108	5	5	116	11	10	107	2	2	4.5
Mepronil	114	5	4	115	5	4	124	8	7	116	2	1	1.0
Mesotrione		ND			ND			ND			ND		ND
Metaflumizone		ND			ND		ND			ND			ND
Metalaxyl	116	4	4	114	6	5	115	8	7	114	1	1	0.8
Metconazole		108			100		106	6	6	107	4	3	4.1
Methabenzthiazuron	105	9	9	115	5	4	115	10	9	110	7	6	2.1
Methamidophos	ND			103	2	2	88	10	12	87	8	9	1.4
Methiocarb	99	6	6	101	5	5	104	7	6	106	6	5	1.4
Methomyl	101	4	4	109	5	4	116	10	9	117	5	4	0.9
Methoprotryne	112	5	5	109	4	4	115	11	9	107	2	2	1.1
Methoxyfenozide	121	13	10	112	4	4	118	14	12	114	4	3	2.5
Metobromuron	105	8	8	106	22	21	111	12	10	114	5	4	1.9
Metribuzin	155	5	3	119	8	6	111	9	8	117	8	6	0.7
Mevinphos-E	68	4	7	79	4	5	86	6	7	102	4	4	1.5
Mevinphos-Z	59	5	9	74	2	3	85	8	10	104	4	4	2.2
Mexacarbate		79		82	4	5	87	8	9	97	4	4	1.5
Monocrotophos	105	4	4	102	4	4	91	19	21	105	5	5	0.9
Monolinuron	120	10	8	117	6	5	113	6	5	112	6	5	1.9
Moxidectin		ND			ND			ND			126		ND
Moxidectin+Na		ND			ND			ND			126		ND
Myclobutanil	110	23	21	103	9	9	114	12	11	121	4	3	5.0
Neburon	117	17	14	116	3	3	121	10	8	114	2	2	3.4
Nitenpyram	86	7	8	86	4	5	90	8	9	93	4	4	1.8
Novaluron	129	11	8	109	18	16	117	11	10	118	5	5	2.0
Nuarimol	106	15	14	101	9	9	105	7	7	110	2	2	3.3
Omethoate	100	14	14	90	5	6	94	6	7	96	3	3	3.2
Oxadixyl	115	7	6	110	3	3	100	15	15	76	4	6	1.5
Oxamyl	106	3	3	106	4	4	109	8	7	108	4	3	0.7
Paclobutrazol	106	7	6	109	6	5	111	9	8	113	5	4	1.5
Penconazole		108			111		115	10	9	118	6	5	4.4
Pencycuron	ND			ND			ND			ND			ND
Phenmedipham	ND			ND			ND			ND			ND
Picoxystrobin		123		122	7	5	131	14	11	113	3	3	2.9
Piperonyl butoxide	112	10	9	101	8	8	114	4	3	112	3	3	2.1
Pirimicarb	108	4	3	112	4	3	117	10	8	116	4	4	0.8
Prochloraz	102	15	15	99	5	5	109	7	6	116	3	3	3.5
Promecarb	118	5	4	119	5	4	114	10	9	109	4	3	1.0
Prometon	109	5	5	113	6	6	113	11	10	115	3	3	1.1
Prometryne	100	7	7	114	10	8	119	8	7	114	3	3	1.6
Propamocarb	106	7	7	97	3	3	103	9	8	101	7	6	1.6
Propargite	115	16	14	105	2	2	115	12	10	113	6	5	3.4
Propham	134	18	13	119	5	4	114	7	6	118	6	5	3.1

Pesticides	10 µg/kg			25 µg/kg			100 µg/kg			500 µg/kg			MDL
	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	Avg % R	R _{std}	RSD	N=4
Propiconazole	126	15	12	110	6	5	111	10	9	116	5	4	2.9
Propoxur	119	23	19	116	8	7	120	6	5	116	4	4	4.6
Pymetrozine	ND			88	17	19	76	5	6	74	7	9	11.4
Pyracarbolid	108	2	1	109	4	4	113	7	6	111	6	5	0.3
Pyraclostrobin	113	17	15	115	6	5	122	11	9	116	3	2	3.5
Pyridaben		109			122		119	8	7	118	5	4	2.8
Pyrimethanil	121	18	15	122	4	3	109	6	5	112	7	6	3.5
Pyriproxyfen	107	18	17	100	2	2	112	11	10	109	6	5	3.9
Quinoxifen	91	13	15	109	5	4	115	6	6	120	5	4	3.4
Rotenone	114	16	14	108	10	10	113	11	9	114	4	3	3.3
Secbumeton	111	2	2	115	6	5	111	10	9	108	2	2	0.5
Siduron	116	12	10	114	8	7	118	10	8	112	5	4	2.3
Simetryne	109	5	5	109	9	9	109	9	9	111	3	2	1.1
SpinetoramA	ND			123	6	5	110	13	12	111	7	6	2.9
SpinetoramB	ND			ND			ND			ND			ND
Spinosad	114	20	18	104	6	6	110	9	8	110	3	2	4.2
Spirodiclofen	ND			ND			124	14	11	102	9	9	25.7
Spiromefesin	117	13	11	105	5	5	111	5	4	107	7	7	2.6
Spirotetramat	ND			ND			ND			ND			ND
Spiroxamine	109	6	6	106	2	2	109	7	6	111	3	2	1.3
Sulfentrazone	ND			110	8	8	80	13	16	93	7	7	4.5
Tebuconazole	111	8	7	105	4	4	104	8	8	111	4	3	1.7
Tebufenozide		96			113		117	10	9	108	5	5	3.4
Tebufenpyrad	116	15	13	104	3	3	113	11	10	112	5	5	3.0
Tebuthiuron	95	13	14	106	6	6	104	8	8	107	1	1	3.2
Teflubenzuron		ND			161		138	12	9	116	13	11	10.5
Temephos	ND			ND			ND			ND			ND
Terbumeton	110	6	6	112	9	8	116	7	6	112	4	3	1.3
Terbutryne	114	14	12	110	4	4	120	9	7	110	4	4	2.8
Tetraconazole	115	23	20	110	9	9	115	12	11	118	5	4	4.7
Thiabendazole	98	13	13	100	8	8	98	4	5	103	3	3	3.0
Thiacloprid	103	10	9	103	5	5	105	7	7	109	2	2	2.2
Thiamethoxam	103	1	1	104	5	5	107	4	3	108	5	5	0.2
Thidiazuron	ND			217	22	10	117	6	5	101	3	3	6.0
Thiobencarb	119	14	12	113	9	8	115	7	6	117	3	3	2.8
Thiofanox		ND			ND			ND			ND		ND
Thiophanate-methyl	ND			ND			144	12	9	127	5	4	20.1
Triadimefon	114	18	16	111	9	8	108	4	4	110	4	4	3.7
Triadimenol	119	9	8	99	11	11	113	8	7	118	3	3	1.8
Trichlorfon	ND			ND			ND			ND			ND
Tricyclazole	101	3	3	101	3	3	106	8	7	108	4	4	0.8
Trifloxystrobin	116	14	12	115	6	5	122	11	9	116	2	2	2.9
Triflumizole	127	17	14	114	4	3	116	6	5	106	3	3	3.2
Triflumuron	115	20	17	114	8	7	116	10	8	111	4	3	4.1
Triticonazole	116	27	23	107	6	5	106	9	9	111	4	4	5.5
Vamidothion	103	1	1	107	8	7	112	7	6	107	4	4	0.3
Zoxamide	136	13	9	121	9	7	117	6	5	116	2	2	2.2