

APPENDIX H. ECOTOX Database for Permethrin (Sorted by Effect)

Note: the code list for ECOTOX is available at: <http://cfpub.epa.gov/>

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Litopenaeus	stylirostris	Blue Shrimp	MOR	MOR	MORT	LC50		2	d	0.2917		mg/L	73317
Permethrin	Musca	domestica	House fly	MOR	MOR	MORT	LD50		1	d	0.009		ug/org	95765
Permethrin	Musca	domestica	House fly	MOR	MOR	MORT	LD90		1	d	0.028		ug/org	95765
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC25		1	d	0.001425		mg/L	89181
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC50		1	d	0.00205		mg/L	89181
Permethrin	NR	Fabaceae	Bean/legume family	PHY	INJ	DAMG	NOAEL			hv	0.01		%	89012
Permethrin	NR	Fabaceae	Bean/legume family	POP	POP	BMAS	NOAEL			hv	0.01		%	89012
Permethrin	Hypera	postica	Weevil	POP	POP	CNTL	LOAEL		2	d	0.15		Al lb/acre	97678
Permethrin	Medicago	sativa	Alfalfa	POP	POP	BMAS	NOAEL			hv	0.15		Al lb/acre	97678
Permethrin	Acyrtosiphon	pisum	Pea aphid	POP	POP	CNTL	LOAEL		2	d	0.15		Al lb/acre	97678
Permethrin	Spilosoma	obliqua	Bihar Hairy Caterpillar	POP	POP	CNTL	LOAEL		3	d	0.01		%	104581
Permethrin	Helianthus	annuus	Common annual sunflower	POP	POP	BMAS	NOAEL			hv	0.01		%	104581
Permethrin	Poecilia	reticulata	Guppy	MOR	MOR	MORT	LC50		1	d	3.2		mg/L	20421
Permethrin	Poecilia	reticulata	Guppy	MOR	MOR	MORT	LC50		2	d	2.3		mg/L	20421
Permethrin	Rana	sphenocephala	Leopard frog	MOR	MOR	MORT	LC50		4	d	0.0812		mg/L	72411
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00104364		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00079639		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00060573		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00050643		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00064644		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00077057		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00093541		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00087682		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00070602		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00059183		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00068914		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00081128		mg/L	109530
Permethrin	Ceriodaphnia	dubia	Water flea	MOR	MOR	MORT	LC50		4	d	0.00103371		mg/L	109530

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Hypera	punctata	Clover Leaf Weevil	POP	POP	ABND	LOEL		7 d		0.1		Al lb/acre	79772
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		3 d		0.88		ppm	78950
Permethrin	Euxoa	detersa	Sandhill Cutworm	POP	POP	CNTL	NOAEL		1 d		0.1		Al lb/acre	88660
Permethrin	Triatoma	infestans	Kissing Bug	BEH	BEH	MOTL	ED50		1 d		142.56		ng/org	72810
Permethrin	Triatoma	infestans	Kissing Bug	BEH	BEH	MOTL	ED50		1 d		5.742		ng/org	72810
Permethrin	Zygogramma	exclamationis	Sunflower Beetle	POP	POP	ABND	LOAEL		1 d		0.01		Al lb/acre	88705
Permethrin	Cotinis	nitida	Green June Beetle	MOR	MOR	MORT	NOAEL		1 d		0.1		Al lb/acre	88815
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.027		mg/L	74860
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.024		mg/L	74860
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.0039		mg/L	74860
Permethrin	Gossypium	sp.	Cotton	REP	REP	GERM	NOAEL		1 gs		0.01		%	110325
Permethrin	Gossypium	sp.	Cotton	REP	REP	GERM	NOAEL		1 gs		0.01		%	110325
Permethrin	Pseudaletia	separata	Oriental Armyworm	MOR	MOR	MORT	LD50		1 d		0.292		mg/kg bdwt	112413
Permethrin	Pseudaletia	separata	Oriental Armyworm	MOR	MOR	MORT	LD95		1 d		4.908		mg/kg bdwt	112413
Permethrin	Pseudaletia	separata	Oriental Armyworm	MOR	MOR	MORT	LD50		2 d		0.136		mg/kg bdwt	112413
Permethrin	Pseudaletia	separata	Oriental Armyworm	MOR	MOR	MORT	LD95		2 d		1.528		mg/kg bdwt	112413
Permethrin	Mus	musculus	House mouse	GRO	DVP	FORM	NOEL		4 d		0.04845		ppm	82041
Permethrin	Mus	musculus	House mouse	CEL	GEN	APOP	NOEL		4 d		0.04845		ppm	82041
Permethrin	Mus	musculus	House mouse	GRO	DVP	BSCY	NOEL		4 d		0.04845		ppm	82041
Permethrin	Culiseta	annulata	Mosquito	MOR	MOR	MORT	LC90			em	0.00745		mg/L	4722
Permethrin	Culiseta	annulata	Mosquito	MOR	MOR	MORT	LC50			em	0.003275		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50			em	0.0028		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC90			em	0.004225		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC90			em	0.001225		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50			em	0.0006		mg/L	4722
Permethrin	Aedes	vexans	Mosquito	MOR	MOR	MORT	LC50			em	0.0002		mg/L	4722
Permethrin	Aedes	vexans	Mosquito	MOR	MOR	MORT	LC90			em	0.000625		mg/L	4722
Permethrin	Aedes	sticticus	Floodwater mosquito	MOR	MOR	MORT	LC90			em	0.000625		mg/L	4722
Permethrin	Aedes	sticticus	Floodwater mosquito	MOR	MOR	MORT	LC50			em	0.00025		mg/L	4722
Permethrin	Aedes	cantans	Mosquito	MOR	MOR	MORT	LC50			em	0.00025		mg/L	4722

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Aedes	cantans	Mosquito	MOR	MOR	MORT	LC90			em	0.0015		mg/L	4722
Permethrin	Culiseta	annulata	Mosquito	MOR	MOR	MORT	LC50		1 d		0.001475		mg/L	4722
Permethrin	Culiseta	annulata	Mosquito	MOR	MOR	MORT	LC90		1 d		0.002675		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC90		1 d		0.0007		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50		1 d		0.00035		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50		1 d		0.000525		mg/L	4722
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC90		1 d		0.001025		mg/L	4722
Permethrin	Aedes	vexans	Mosquito	MOR	MOR	MORT	LC90		1 d		0.001575		mg/L	4722
Permethrin	Aedes	vexans	Mosquito	MOR	MOR	MORT	LC50		1 d		0.000525		mg/L	4722
Permethrin	Aedes	sticticus	Floodwater mosquito	MOR	MOR	MORT	LC50		1 d		0.000675		mg/L	4722
Permethrin	Aedes	sticticus	Floodwater mosquito	MOR	MOR	MORT	LC90		1 d		0.0017		mg/L	4722
Permethrin	Aedes	cantans	Mosquito	MOR	MOR	MORT	LC90		1 d		0.00385		mg/L	4722
Permethrin	Aedes	cantans	Mosquito	MOR	MOR	MORT	LC50		1 d		0.001175		mg/L	4722
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	LOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	LOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	NOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	LOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	NOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	EPYR	NOEL		#####	d	10		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	LOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	LOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	NOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	NOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	NOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Felis	catus	Domestic Cat	PHY	PHY	NRXN	NOEL		#####	d	20		mg/kg bdwt	114005
Permethrin	Zeiraphera	canadensis	Spruce Budmoth	MOR	MOR	MORT	LC50		3 d		0.0221		AI ug/cm2	73595
Permethrin	Zeiraphera	canadensis	Spruce Budmoth	MOR	MOR	MORT	LC50		3 d		0.0185		AI ug/cm2	73595
Permethrin	Zeiraphera	canadensis	Spruce Budmoth	MOR	MOR	MORT	LOEL		3 d		15		AI g/ha	73595
Permethrin	Zeiraphera	canadensis	Spruce Budmoth	POP	POP	ABND	LOEL		14 d		70		AI g/ha	73595
Permethrin	Zeiraphera	canadensis	Spruce Budmoth	POP	POP	ABND	LOEL		14 d		35		AI g/ha	73595

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LD50		2	d	0.03		ug/org	108057
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LD50		2	d	0.36		ug/org	108057
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOEL		24	d	0.1		Al lb/acre	92317
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOEL		24	d	0.1		Al lb/acre	92317
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOEL		24	d	0.1		Al lb/acre	92317
Permethrin	Culex	tarsalis	Mosquito	MOR	MOR	MORT	LC50		1	d	0.004		mg/L	94524
Permethrin	Culex	tarsalis	Mosquito	MOR	MOR	MORT	LC50		1	d	0.004		mg/L	94524
Permethrin	Mesocyclops	sp.	Copepod	MOR	MOR	MORT	LC50		1	d	0.0026		mg/L	100488
Permethrin	Mesocyclops	sp.	Copepod	MOR	MOR	MORT	LC90		1	d	0.0138		mg/L	100488
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		1	d	0.04		Al kg/ha	114352
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	NOAEL		48	d	0.04		Al kg/ha	114352
Permethrin	Diadegma	eucrophaga	Parasitic Wasp	BEH	BEH	GBHV	LOAEL		30	d	0.04		Al kg/ha	114352
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		17	d	0.04		Al kg/ha	114352
Permethrin	Diadegma	eucrophaga	Parasitic Wasp	BEH	BEH	GBHV	LOAEL		41	d	0.04		Al kg/ha	114352
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	1.58		ug/eu	114352
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	2.15		ug/eu	114352
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	NOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Trichogramma	achaeae	Parasitoid Wasp	GRO	DVP	EMRG	LOAEL			em	0.016		%	103804
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.00340468		mg/L	109633
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.00563203		mg/L	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.1850057		mg/L	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.1073105		mg/L	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.0987758		mg/L	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.1191261		mg/L	104662

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Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.2004946		mg/L	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		#####	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	NR-LETH		1.0833	d	0.08175		%	104662
Permethrin	Rana	clamitans	Green frog	MOR	MOR	SURV	NOAEL			em	0.0035		mg/L	104182
Permethrin	Rana	clamitans	Green frog	GRO	DVP	STGE	NOAEL			em	0.0035		mg/L	104182
Permethrin	Rana	clamitans	Green frog	POP	POP	BMAS	NOAEL			em	0.0035		mg/L	104182
Permethrin	Bufo	americanus	American toad	MOR	MOR	SURV	LOAEL			em			mg/L	104182
Permethrin	Brassica	oleracea	Cabbage	POP	POP	BMAS	NOAEL			hv	0.03568		lb/acre	114352
Permethrin	Brassica	oleracea	Cabbage	POP	POP	BMAS	NOAEL			hv	0.07136		lb/acre	114352
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		34	d	0.08		AI kg/ha	114352
Permethrin	Diadegma	eucrophaga	Parasitic Wasp	BEH	BEH	GBHV	NOAEL		58	d	0.08		AI kg/ha	114352
Permethrin	Tetranychus	urticae	Two-spotted spider mite	POP	POP	ABND	NOAEL		88	d	0.2		AI lb/acre	88792
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	LOAEL		10	d	0.2		AI lb/acre	88792

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Permethrin	Fragaria	x ananassa	Hybrid strawberry	PHY	PHY	PSYN	LOAEL		26	d	0.2		Al lb/acre	88792
Permethrin	Solenopsis	invicta	Red imported fire ant	POP	POP	ABND	LOAEL			d	7.1		Al g/eu	112751
Permethrin	Trichogramma	nubilale	Parasitic Wasp	GRO	DVP	EMRG	NOAEL		6	d	0.21		Al kg/ha	112749
Permethrin	Trichogramma	nubilale	Parasitic Wasp	REP	REP	RSUC	LOAEL		6	d	0.04		Al kg/ha	112749
Permethrin	Trichogramma	nubilale	Parasitic Wasp	REP	REP	RSUC	LOAEL		6	d	0.04		Al kg/ha	112749
Permethrin	Trichogramma	nubilale	Parasitic Wasp	GRO	DVP	EMRG	NOAEL		6	d	0.21		Al kg/ha	112749
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		2	d	0.1		Al lb/acre	89065
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		2	d	0.08		Al lb/acre	92370
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	LOAEL		2	d	0.08		Al lb/acre	92370
Permethrin	Brassica	oleracea	Cabbage	GRO	GRO	WGHT	NOAEL		33	d	0.1		Al lb/acre	92368
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		33	d	0.1		Al lb/acre	92368
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		33	d	0.1		Al lb/acre	92368
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	CNTL	LOAEL		33	d	0.1		Al lb/acre	92368
Permethrin	Steinernema	scapterisci	Mole Cricket Nematode	MOR	MOR	MORT	LOAEL		1	d	18		ml/3.79 L	114050
Permethrin	Steinernema	scapterisci	Mole Cricket Nematode	POP	POP	ABND	NOAEL		1	d	18		ml/3.79 L	114050
Permethrin	Steinernema	scapterisci	Mole Cricket Nematode	POP	POP	ABND	NOAEL		1	d	18		ml/3.79 L	114050
Permethrin	Steinernema	scapterisci	Mole Cricket Nematode	MOR	MOR	MORT	NOAEL		1	d	18		ml/3.79 L	114050
Permethrin	Mus	musculus	House mouse	BCM	ENZ	T23D	LOAEL		1	d	200		mg/kg bdwt	75454
Permethrin	Mus	musculus	House mouse	BCM	ENZ	PXPK	NOAEL		6	d	100		mg/kg bdwt	75454
Permethrin	Gallus	sp.	Chicken	BCM	ENZ	NCCR	NOAEL	LOAEL	6	d	50	100	ppm	76886
Permethrin	Gallus	sp.	Chicken	GRO	GRO	GAIN	NOAEL		6	d	200		ppm	76886
Permethrin	Gallus	sp.	Chicken	BCM	BCM	MCPR	LOAEL		7	d	10		ppm	76886
Permethrin	Hyaella	azteca	Scud	MOR	MOR	MORT	LC50		10	d	0.0000489		mg/L	117643
Permethrin	Hyaella	azteca	Scud	MOR	MOR	MORT	LOAEL		10	d	0.000005		mg/L	117643
Permethrin	Limothrips	denticornis	Barley Thrip	POP	POP	ABND	LOAEL		4	d	0.05		Al lb/acre	88845
Permethrin	Hordeum	vulgare	Barley	POP	POP	BMAS	NOAEL			hv	0.05		Al lb/acre	88845
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL		13	d	0.1		Al lb/acre	88667
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL		13	d	0.1		Al lb/acre	88667
Permethrin	Spissistilus	festinus	Hopper	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spissistilus	festinus	Hopper	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667
Permethrin	Nezara	viridula	Stink Bug	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667
Permethrin	Nezara	viridula	Stink Bug	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667
Permethrin	Pseudoplusia	inclusens	Soybean looper	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667
Permethrin	Pseudoplusia	inclusens	Soybean looper	POP	POP	ABND	LOAEL		4	d	0.075		Al lb/acre	88667
Permethrin	Euxoa	auxiliaris	Army Cutworm	POP	POP	ABND	LOAEL		2	d	0.112		Al kg/ha	112232
Permethrin	Euxoa	auxiliaris	Army Cutworm	POP	POP	ABND	LOAEL		2	d	0.112		Al kg/ha	112232
Permethrin	Triticum	aestivum	Bread wheat	GRO	GRO	COND	NOAEL		73	d	0.099904		lb/acre	112232
Permethrin	Triticum	aestivum	Bread wheat	POP	POP	BMAS	NOAEL			hv	0.099904		lb/acre	112232
Permethrin	Triticum	aestivum	Bread wheat	POP	POP	BMAS	NOAEL			hv	0.099904		lb/acre	112232
Permethrin	Triticum	aestivum	Bread wheat	GRO	GRO	COND	NOAEL		73	d	0.099904		lb/acre	112232
Permethrin	Euxoa	auxiliaris	Army Cutworm	POP	POP	ABND	LOAEL		5	d	0.056		Al kg/ha	112232
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		1	d	0.86		ppm	93297
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	NOEL		4	d	0.1		Al lb/acre	92370
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	NOEL		8	d	0.1		Al lb/acre	92370
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOEL		8	d	0.1		Al lb/acre	92370
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOEL		4	d	0.08		Al lb/acre	92370
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD90		1	d	2.23		ppm	93297
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		1	d	4.44		ppm	93297
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD90		1	d	24.08		ppm	93297
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		1	d	4.87		ppm	93297
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD90		1	d	19.7		ppm	93297
Permethrin	Rattus	norvegicus	Norway rat	BEH	FDB	FCNS	LOEL		10.5	d	60		mg/kg bdwt	99914
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	VRTP	NOEL		#####	d	30		mg/kg bdwt	99914
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	VRTP	LOEL		#####	d	30		mg/kg bdwt	99914
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	VRTP	LOEL		#####	d	60		mg/kg bdwt	99914
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	22.6		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	4.5		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	18.5		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	1.6		ppm	93234

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	17.1		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	1.2		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	37.4		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	22.4		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	35		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	4.3		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	37.3		ppm	93234
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD95		2	d	3.1		ppm	93234
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOEL		3	d	0.11		AI kg/ha	99617
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	NOEL		6	d	0.11		AI kg/ha	99617
Permethrin	Diadegma	insulare	Parasitic Wasp	REP	REP	RSUC	NOEL		6	d	0.11		AI kg/ha	99617
Permethrin	Diadegma	insulare	Parasitic Wasp	REP	REP	PROG	NOEL		6	d	0.11		AI kg/ha	99617
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		15	d	0.1		AI lb/acre	87889
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		15	d	0.1		AI lb/acre	87889
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		10	d	0.1		AI lb/acre	87889
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	NOEL			lvp	0.11		AI kg/ha	99617
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	LOAEL		1	d	0.1		AI lb/acre	87876
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		18	d	0.2		AI lb/acre	87895
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		18	d	0.2		AI lb/acre	87895
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		1	d	0.1		AI lb/acre	87877
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		78	d	0.2		AI lb/acre	87895
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		78	d	0.2		AI lb/acre	87895
Permethrin	Popillia	japonica	Japanese beetle	POP	POP	ABND	LOAEL		2	d	0.1		AI lb/acre	87878
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	LOAEL		7	d	0.1		AI lb/acre	87878
Permethrin	Loxostege	sticticalis	Beet Webworm	MOR	MOR	MORT	LD50		1	d	0.15		ppm	100430
Permethrin	Loxostege	sticticalis	Beet Webworm	MOR	MOR	MORT	LD50		1	d	0.82		ppm	100430
Permethrin	Loxostege	sticticalis	Beet Webworm	MOR	MOR	MORT	LD50		1	d	0.51		ppm	100430
Permethrin	Loxostege	sticticalis	Beet Webworm	MOR	MOR	MORT	LD50		1	d	0.21		ppm	100430
Permethrin	Rattus	norvegicus	Norway rat	GRO	MPH	WGHT	LOAEL		7	d	48.5		mg/kg bdwt	116324
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9	d	0.014		AI %	109650

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9 d		0.014		AI %	109650
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9 d		0.014		AI %	109650
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	NOAEL		9 d		0.014		AI %	109650
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9 d		0.014		AI %	109650
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9 d		0.014		AI %	109650
Permethrin	Trichogramma	brasiliensis	Parasitic Wasp	GRO	DVP	EMRG	LOAEL		9 d		0.014		AI %	109650
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		0.23		ppm	87559
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		0.17		ppm	87559
Permethrin	Mus	musculus	House mouse	GRO	MPH	SMIX	NOAEL		42 d		70		mg/kg bdwt	109743
Permethrin	Mus	musculus	House mouse	REP	REP	SPCL	NOAEL		42 d		70		mg/kg bdwt	109743
Permethrin	Mus	musculus	House mouse	BCM	HRM	TSTR	NOAEL		42 d		70		mg/kg bdwt	109743
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		5 d		0.2		AI lb/acre	87902
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		5 d		0.2		AI lb/acre	87902
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		5 d		0.1		AI lb/acre	87902
Permethrin	Mus	musculus	House mouse	CEL	GEN	SRRN	NOAEL		42 d		70		mg/kg bdwt	109743
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		5 d		0.2		AI lb/acre	87902
Permethrin	Mus	musculus	House mouse	CEL	GEN	SRRN	LOAEL		42 d		69.44		mg/kg bdwt	109743
Permethrin	Diadegma	insulare	Parasitic Wasp	REP	REP	RSUC	LOEL		6 d		0.11		AI kg/ha	99617
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL		53 d		0.2		AI lb/acre	87902
Permethrin	Mus	musculus	House mouse	GRO	MPH	SMIX	NOAEL		42 d		69.44		mg/kg bdwt	109743
Permethrin	Mus	musculus	House mouse	BCM	HRM	TSTR	LOAEL		42 d		69.44		mg/kg bdwt	109743
Permethrin	Mus	musculus	House mouse	REP	REP	SPCL	LOAEL		42 d		69.44		mg/kg bdwt	109743
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL		53 d		0.2		AI lb/acre	87902
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL		53 d		0.2		AI lb/acre	87902
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL		53 d		0.2		AI lb/acre	87902
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		1 d		0.025		AI lb/acre	88662
Permethrin	Diadegma	insulare	Parasitic Wasp	REP	REP	PROG	LOEL		6 d		0.11		AI kg/ha	99617
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	GRO	GRO	GAIN	LOAEL		2 d		25		AI mg/kg fd	117170
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	GRO	GRO	GAIN	LOAEL		2 d		25		AI mg/kg fd	117170
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	GRO	GRO	GAIN	NOAEL	LOAEL	14 d		5	25	AI mg/kg fd	117170

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	GRO	GRO	GAIN	LOAEL		14	d	0.2		AI mg/kg fd	117170
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	MOR	MOR	MORT	NR-LETH		14	d	25		AI mg/kg fd	117170
Permethrin	Urolepis	rufipes	Parasitic Wasp	MOR	MOR	MORT	LC50		2	d	0.19		ug/eu	113874
Permethrin	Urolepis	rufipes	Parasitic Wasp	MOR	MOR	MORT	LC50		2	d	0.34		ug/eu	113874
Permethrin	Musca	domestica	House fly	MOR	MOR	MORT	LC50		1	d	0.32		ug/eu	113874
Permethrin	Dendroctonus	frontalis	Southern Pine Beetle	MOR	MOR	MORT	LOAEL			em	0.125		AI %	113401
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	5.2		ppm	113271
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LC50		1	d	0.00052		%	113405
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1	d	21.7		ppm	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	2.9		ppm	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1	d	11.4		ppm	113271
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LC50		1	d	0.00231		%	113405
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	1.7		ppm	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1	d	6.9		ppm	113271
Permethrin	Diaeretiella	rapae	Parasitoid Wasp	MOR	MOR	MORT	LC50			em	0.1		AI %	114765
Permethrin	Diaeretiella	rapae	Parasitoid Wasp	GRO	DVP	EMRG	NOAEL			em	0.024		AI %	114765
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	142.1		ug/g eu	113271
Permethrin	Diaeretiella	rapae	Parasitoid Wasp	MOR	MOR	SURV	LOAEL			em	0.012		AI %	114765
Permethrin	Diaeretiella	rapae	Parasitoid Wasp	REP	REP	FCND	NOAEL			em	0.024		AI %	114765
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	490		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	120.4		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	355.4		ug/g eu	113271
Permethrin	Phyllonorycter	blancardella	leafminer	POP	POP	ABND	NOAEL		10	d	212.5		AI g/ha	113405
Permethrin	Phyllonorycter	blancardella	leafminer	POP	POP	ABND	NOAEL		46	d	212.5		AI g/ha	113405
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOEL		1	gs	0.12		oz/1000 ft	95501
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOEL		1	gs	0.12		oz/1000 ft	95501
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOEL		1	gs	0.12		oz/1000 ft	95501
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LC50		1	d	0.00038		%	113405
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LC50		1	d	0.00231		%	113405
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LC50		1	d	0.00362		%	113405

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	338		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	529		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	263		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	673		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	283		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	1016		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	218		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	965		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	264		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	595		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1.25	d	351		ug/g eu	113271
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD90		1.25	d	727		ug/g eu	113271
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	1.3		g/ha	113408
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD90		7	d	2.7		g/ha	113408
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD90		7	d	8.5		ppm	113408
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	3.4		ppm	113408
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	NOAEL	LOAEL	5	d	1.6	3.2	g/ha	113408
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOEL		7	d	0.1134		AI kg/ha	90677
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	NOEL	LOEL	7	d	0.1134	0.17	AI kg/ha	90677
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	NOAEL	LOAEL	5	d	1.6	3.2	g/ha	113408
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	134.4		ppm	113418
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	EPHY	NOEL		3	d	0.017		ppm	89109
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	ACHE	NOEL		3	d	0.017		ppm	89109
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	ALIE	NOEL		3	d	0.017		ppm	89109
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	ANAE	NOEL		3	d	0.017		ppm	89109
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	GSTR	LOEL		3	d	0.017		ppm	89109
Permethrin	Apis	mellifera	Honey bee	BCM	ENZ	ANAE	NOEL		3	d	0.017		ppm	89109
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	49		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	255		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	44		ppm	113420

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		153		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		40		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		57		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		77		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		87		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		145		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		55		ppm	113420
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		17		ppm	113420
Permethrin	Diabrotica	virgifera	Western corn rootworm	MOR	MOR	MORT	LOAEL		2 d		0.1		Al kg/ha	113456
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	LD50		1 d		0.61		ppm	92552
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1 d				ug/g eu	111683
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	LD50		1 d		0.087		ppm	92552
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1.1667 d				ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2 d				ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d				ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		3 d		10		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		13		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2.1667 d		60		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2.1667 d		189		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		35		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		38		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2.1667 d		170		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2.1667 d		742		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		266		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		117		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2.1667 d		485		ug/g eu	111683
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		3 d		1.26		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		1 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		2 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		4 d				bdwt	111684

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		3 d		1.58		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		1 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		2 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		4 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		3 d		2.05		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		1 d		2		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		2 d		2		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		4 d		2		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		3 d		2.58		bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		1 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		2 d				bdwt	111684
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		4 d				bdwt	111684
Permethrin	Choristoneura	rosaceana	Oblique banded leaf roller	MOR	MOR	MORT	LD50		2 d		1.03		ppm	114766
Permethrin	Choristoneura	rosaceana	Oblique banded leaf roller	MOR	MOR	MORT	LD90		2 d		3.31		ppm	114766
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	2 d		0.0000992	0.000248	mg/L	111737
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	2 d		0.0001	0.00025	mg/L	111737
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	2 d		0.0001	0.00025	mg/L	111737
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	2 d		0.0001	0.00025	mg/L	111737
Permethrin	Hemileuca	oliviae	Range Caterpillar Moth	MOR	MOR	MORT	LC50		2 d		7.7		ppm	114782
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	2 d		0.0001	0.00025	mg/L	111737
Permethrin	Hemileuca	oliviae	Range Caterpillar Moth	MOR	MOR	MORT	LC90		2 d		32.9		ppm	114782
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	LD50		1 d		1.1		ppm	92701
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	LD50		1 d		0.2		ppm	92701
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2 d		23.63		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2 d		61.65		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2 d		10.9		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2 d		173.36		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2 d		5.39		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2 d		56.52		AI ug/g eu	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2 d		9.45		ppm	113282

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	69.92		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	16.48		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	74.64		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	23.73		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	44.03		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	20.97		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	675.86		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	7.9		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	201.36		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	3.02		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		2	d	64.64		ppm	113282
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	NR-LETH		3	d	70		AI g/ha	112000
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	NR-LETH		3	d	140		AI g/ha	112000
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		0.25	d	13417		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		0.25	d	46479		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		0.25	d	8596		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	219.84		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		1	d	18000		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	66.75		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		1	d	1370		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	22.86		ppm	113282
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC90		1	d	659.3		ppm	113282
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	SURV	LOAEL		7	d	0.039		ml/org	88859
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	SURV	LOAEL		7	d	0.039		ml/org	88859
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	SURV	LOAEL		7	d	0.039		ml/org	88859
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	SURV	NOAEL		7	d	0.039		ml/org	88859
Permethrin	Deroceras	reticulatum	Grey field slug	POP	POP	ABND	NOAEL		9	d	0.1		AI lb/acre	88904
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD50		3	d	0.12		AI g/org	113002
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD50		3	d	0.053		AI g/org	113002
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD50		3	d	0.013		AI g/org	113002

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Anthonomus	rubi	Strawberry Blossom Weevil	POP	POP	ABND	LOAEL		14	d	66.6		Al g/ha	89376
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3	d	1.944		Al g/org	113002
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3	d	1.44		Al g/org	113002
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30	d	0.17		Al kg/ha	112733
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3	d	0.216		Al g/org	113002
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.15		ppm	112748
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		15	d	0.1		Al lb/acre	88706
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		15	d	0.1		Al lb/acre	88706
Permethrin	Celama	sorghicola	Sorghum Webworm	POP	POP	ABND	LOAEL		15	d	0.1		Al lb/acre	88706
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		15	d	0.1		Al lb/acre	88706
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOEL			d	0.12		lb/acre	95500
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		15	d	0.1		Al lb/acre	88706
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOEL			d	0.12		lb/acre	95500
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOEL			d	0.12		lb/acre	95500
Permethrin	Chilo	partellus	Sorghum stem borer	POP	POP	ABND	LOAEL			hv	0.01		%	92547
Permethrin	Chilo	partellus	Sorghum stem borer	POP	POP	ABND	LOAEL			hv	0.01		%	92547
Permethrin	Rhopalosiphum	maidis	Corn Leaf Aphid	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Rhopalosiphum	maidis	Corn Leaf Aphid	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Oligonychus	indicus	Sugarcane Leaf Mite	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Oligonychus	indicus	Sugarcane Leaf Mite	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Contarinia	sorghicola	NR	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Contarinia	sorghicola	NR	POP	POP	ABND	LOAEL		1	d	0.01		%	92547
Permethrin	Acyrtosiphon	pisum	Pea aphid	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOEL		9	d	0.1		Al lb/acre	89065
Permethrin	Acyrtosiphon	pisum	Pea aphid	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		14	d	0.05		Al lb/acre	88714
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		14	d	0.05		Al lb/acre	88714
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Lygus	lineolaris	Tarnished plant bug	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	88714

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Lygus	lineolaris	Tarnished plant bug	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	88714
Permethrin	Sitona	sp.	Weevil	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Sitona	sp.	Weevil	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	88714
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOEL		6	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOEL		6	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOEL		6	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOEL		6	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOEL		2	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOEL		2	d	0.1		Al lb/acre	89065
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOEL		2	d	0.1		Al lb/acre	89065
Permethrin	Dioryctria	sp.	Moth	POP	POP	ABND	LOAEL		135	d	0.025		Al %	113234
Permethrin	Dioryctria	sp.	Moth	POP	POP	ABND	NOAEL	LOAEL	156	d	0.025	0.05	Al %	113234
Permethrin	Dioryctria	sp.	Moth	POP	POP	ABND	LOAEL		138	d	0.075		Al %	113234
Permethrin	Phyllotreta	striolata	Striped Flea Beetle	POP	POP	ABND	LOAEL		19	d	0.1		Al lb/acre	88721
Permethrin	Phyllotreta	striolata	Striped Flea Beetle	POP	POP	ABND	LOAEL		24	d	0.1		Al lb/acre	88721
Permethrin	Microtheca	ochroloma	Beetle	POP	POP	ABND	LOAEL		19	d	0.1		Al lb/acre	88721
Permethrin	Microtheca	ochroloma	Beetle	POP	POP	ABND	LOAEL		24	d	0.1		Al lb/acre	88721
Permethrin	Dioryctria	sp.	Moth	POP	POP	ABND	LOAEL		166	d	0.15		Al %	113234
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		15	d	1.5		Al lb/acre	88722
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL		15	d	0.15		Al lb/acre	88722
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL		15	d	0.15		Al lb/acre	88722
Permethrin	Crioceris	asparagi	Common Asparagus Beetle	POP	POP	ABND	LOAEL		6	d	0.1		Al lb/acre	88728
Permethrin	Crioceris	asparagi	Common Asparagus Beetle	POP	POP	ABND	NOAEL		6	d	0.1		Al lb/acre	88728
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	HTCH	LOAEL		4	d	0.2		Al lb/acre	88733
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		26	d	0.2		Al lb/acre	88759
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		44	d	0.1		Al lb/acre	88769
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	88769
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		47	d	0.023		Al kg/ha	117815
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		49	d	0.023		Al kg/ha	117815
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		49	d	0.023		Al kg/ha	117815

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		47	d	0.023		AI kg/ha	117815
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		47	d	0.023		AI kg/ha	117815
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		49	d	0.023		AI kg/ha	117815
Permethrin	Brassica	oleracea	Cabbage	GRO	GRO	WGHT	NOAEL		47	d	0.081172		lb/acre	117815
Permethrin	Brassica	oleracea	Cabbage	GRO	GRO	WGHT	NOAEL		49	d	0.081172		lb/acre	117815
Permethrin	Phaseolus	vulgaris	Bean	POP	POP	ABND	LOAEL		8	d	0.1		AI lb/acre	88797
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		14	d	0.1		AI lb/acre	88842
Permethrin	Copidosoma	floridanum	Parasitic Wasp	POP	POP	ABND	LOAEL		47	d	0.023		AI kg/ha	117815
Permethrin	Compsilura	concinata	Tachinid Fly	POP	POP	ABND	NOAEL		47	d	0.023		AI kg/ha	117815
Permethrin	Diadegma	insulare	Parasitic Wasp	POP	POP	ABND	LOAEL		47	d	0.023		AI kg/ha	117815
Permethrin	Gambrus	ultimus	Parasitic Wasp	POP	POP	ABND	LOAEL		49	d	0.023		AI kg/ha	117815
Permethrin	Cotesia	glomerata	Parasitic Wasp	POP	POP	ABND	LOAEL		49	d	0.023		AI kg/ha	117815
Permethrin	Diadegma	insulare	Parasitic Wasp	POP	POP	ABND	LOAEL		49	d	0.023		AI kg/ha	117815
Permethrin	Dioryctria	sp.	Moth	POP	POP	ABND	LOAEL		188	d	0.0125		AI %	113234
Permethrin	Pinus	taeda	Loblolly pine	POP	POP	BMAS	NOAEL		138	d	0.15		AI %	113234
Permethrin	Pinus	taeda	Loblolly pine	POP	POP	BMAS	NOAEL		166	d	0.15		AI %	113234
Permethrin	Pinus	taeda	Loblolly pine	POP	POP	BMAS	NOAEL		159	d	0.075		AI %	113234
Permethrin	Pinus	taeda	Loblolly pine	POP	POP	BMAS	NOAEL		156	d	0.075		AI %	113234
Permethrin	Pinus	taeda	Loblolly pine	POP	POP	BMAS	NOAEL		188	d	0.05		AI %	113234
Permethrin	Pinus	elliottii	Slash pine	REP	REP	ABRT	NOAEL		135	d	0.075		AI %	113234
Permethrin	Pinus	elliottii	Slash pine	REP	REP	ABRT	NOAEL		156	d	0.075		AI %	113234
Permethrin	Pinus	elliottii	Slash pine	MOR	MOR	MORT	NOAEL		135	d	0.05		AI %	113234
Permethrin	Cydia	sp.	Seedworm	POP	POP	INDX	LOAEL		159	d	0.05		AI %	113234
Permethrin	Anabaena	inaequalis	Blue-green algae	POP	POP	PSYN	EC50		0.125	d	100		mg/L	117210
Permethrin	Anabaena	cylindrica	Blue-green algae	POP	POP	PSYN	EC50		0.125	d	100		mg/L	117210
Permethrin	Anabaena	variabilis	Blue-green algae	POP	POP	PSYN	EC50		0.125	d	100		mg/L	117210
Permethrin	Chlorella	pyrenoidosa	Green algae	POP	POP	PSYN	EC50		0.125	d	100		mg/L	117210
Permethrin	Scenedesmus	quadricauda	Green algae	POP	POP	PSYN	EC50		0.125	d	100		mg/L	117210
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	CYTC	NOAEL		3	d	1.287		ppm	117750
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD95		2	d	9.6		ppm	89573

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2	d	4.37		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2	d	5.48		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD95		2	d	15.8		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD95		2	d	18.1		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2	d	5.75		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2	d	6.63		ppm	89573
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD95		2	d	17.3		ppm	89573
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	6BHC	NOAEL		3	d	1.287		ppm	117751
Permethrin	Anabaena	inaequalis	Blue-green algae	BCM	ENZ	NITG	EC50		0.2083	d	100		mg/L	117210
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	0.86		ppm	62666
Permethrin	NR	Carabidae	Ground beetle family	POP	POP	ABND	NOAEL		6	d	0.22		AI kg/ha	117752
Permethrin	Lipaphis	erysimi	Turnip aphid	POP	POP	ABND	LOAEL		3	d	100		AI g/ha	92823
Permethrin	Anabaena	cylindrica	Blue-green algae	BCM	ENZ	NITG	EC50		0.2083	d	100		mg/L	117210
Permethrin	Brassica	rapa	Turnip	POP	POP	BMAS	LOAEL			hv	0.089		lb/acre	92823
Permethrin	Lipaphis	erysimi	Turnip aphid	POP	POP	ABND	LOAEL		3	d	100		AI g/ha	92823
Permethrin	Brassica	rapa	Turnip	POP	POP	BMAS	LOAEL			hv	0.089		lb/acre	92823
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	276.84		ppm	62666
Permethrin	Anabaena	inaequalis	Blue-green algae	POP	POP	ABND	EC50			d	1.6		mg/L	117210
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	15.3		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	11.51		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	5.17		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	3.31		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	0.91		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	347.25		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	27.65		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	490.71		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	11.31		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	492.38		ppm	62666
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	4.89		ppm	62666
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		21	d	0.11		AI kg/ha	63601

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		14	d	0.11		AI kg/ha	63601
Permethrin	Mus	musculus	House mouse	MOR	MOR	MORT	LD50		3	d	429		mg/kg bdwt	92946
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		16	d	0.11		AI kg/ha	63601
Permethrin	Mus	musculus	House mouse	MOR	MOR	MORT	LD99		3	d	838		mg/kg bdwt	92946
Permethrin	Mus	musculus	House mouse	MOR	MOR	MORT	LD99		3	d	1327		mg/kg bdwt	92946
Permethrin	Mus	musculus	House mouse	MOR	MOR	MORT	LD50		3	d	424		mg/kg bdwt	92946
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL			hv	0.1		AI lb/acre	54410
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL			hv	0.2		AI lb/acre	54410
Permethrin	Mus	musculus	House mouse	MOR	MOR	MORT	ZERO		#####	d	4162		mg/kg bdwt	92946
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL			hv	0.2		AI lb/acre	54410
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL			hv	0.2		AI lb/acre	54410
Permethrin	Manduca	quinquemaculata	Tomato Hornworm	MOR	MOR	MORT	NR-LETH		0.75	d	0.01		% w/v	99406
Permethrin	Manduca	quinquemaculata	Tomato Hornworm	MOR	MOR	MORT	ZERO		0.75	d	0.0001		% w/v	99406
Permethrin	Glycine	max	Soybean	BCM	BCM	ACRR	NOAEL		7	d	30		ml/L	70497
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	MOR	MOR	MORT	LD50		9	d	78		ug/cm2	93121
Permethrin	Tribolium	castaneum	Rust-Red Flour Beetle	MOR	MOR	MORT	LD95		9	d	918		ug/cm2	93121
Permethrin	Pinus	taeda	Loblolly pine	REP	REP	GERM	NOAEL		14	d	1		AI % w/w	93208
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		13	d	100		AI g/ha	96615
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		28	d	100		AI g/ha	96615
Permethrin	Solanum	tuberosum	Potato	POP	POP	BMAS	NOAEL		56	d	0.089		lb/acre	96615
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		10	d	100		AI g/ha	96615
Permethrin	Lycopersicon	sp.	Tomato	POP	POP	BMAS	NOAEL		90	d	0.089		lb/acre	96615
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	22.28		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	11.81		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	10.34		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	6.81		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	5.02		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	4.93		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	5.1		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1	d	7.2		ppm	58603

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1 d		10.28		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1 d		7.46		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1 d		3.95		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1 d		4.86		ppm	58603
Permethrin	Diadegma	insulare	Parasitic Wasp	MOR	MOR	MORT	LC50		1 d		4.55		ppm	58603
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		0.59		ppm	58603
Permethrin	Phaseolus	lunatus	Lima bean	BCM	BCM	ACRR	NOAEL		7 d		30		ml/L	70497
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1 d		77.95		ppm	58603
Permethrin	Manduca	quinquemaculata	Tomato Hornworm	MOR	MOR	MORT	LD50		0.75 d		0.000701		% w/v	99406
Permethrin	Phaseolus	lunatus	Lima bean	GRO	GRO	NODE	NOAEL		28 d		30		ml/L	70497
Permethrin	Glycine	max	Soybean	GRO	GRO	NODE	NOAEL		28 d		30		ml/L	70497
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		23 d		0.1		Al lb/acre	88669
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.03		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.07		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.09		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.09		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.09		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.1		ug/org	62672
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LD50		1 d		0.11		ug/org	62672
Permethrin	Manduca	quinquemaculata	Tomato Hornworm	MOR	MOR	MORT	NR-LETH		2 d		35		Al g/ha	99406
Permethrin	Anthrenus	verbasci	Varied Carpet Beetle	MOR	MOR	MORT	ZERO		##### d		50		mg/m2	64145
Permethrin	Manduca	quinquemaculata	Tomato Hornworm	MOR	MOR	MORT	NR-LETH		2 d		70		Al g/ha	99406
Permethrin	Anabaena	cylindrica	Blue-green algae	POP	POP	ABND	EC50		d		10		mg/L	117210
Permethrin	Anabaena	variabilis	Blue-green algae	POP	POP	ABND	EC50		d		10		mg/L	117210
Permethrin	Chlorella	pyrenoidosa	Green algae	POP	POP	ABND	EC50		d		10		mg/L	117210
Permethrin	Scenedesmus	quadricauda	Green algae	POP	POP	ABND	EC50		d		10		mg/L	117210
Permethrin	Anabaena	inaequalis	Blue-green algae	POP	POP	PGRT	EC50		d		5		mg/L	117210
Permethrin	Anabaena	cylindrica	Blue-green algae	POP	POP	PGRT	EC50		d		10		mg/L	117210
Permethrin	Anabaena	variabilis	Blue-green algae	POP	POP	PGRT	EC50		d		10		mg/L	117210
Permethrin	Chlorella	pyrenoidosa	Green algae	POP	POP	PGRT	EC50		d		10		mg/L	117210

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Scenedesmus	quadricauda	Green algae	POP	POP	PGRT	EC50			d	10		mg/L	117210
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	ABND	LOEL		4	d	0.1		Al lb/acre	88862
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	ABND	LOEL		6	d	0.1		Al lb/acre	88862
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	0.382		ug/org	103193
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	35.3		ug/org	103193
Permethrin	Listronotus	oregonensis	Carrot Weevil	MOR	MOR	MORT	LC50		1	d	131.3		ppm	103315
Permethrin	Listronotus	oregonensis	Carrot Weevil	MOR	MOR	MORT	LC50		1	d	27		ppm	103315
Permethrin	Listronotus	oregonensis	Carrot Weevil	MOR	MOR	MORT	LC50		1	d	33.5		ppm	103315
Permethrin	Listronotus	oregonensis	Carrot Weevil	MOR	MOR	MORT	LC50		1	d	114.9		ppm	103315
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		16	d	0.15		Al lb/acre	92319
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	NR-LETH		#####	d	0.5		ug/org	72759
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	ZERO		#####	d	0.5		ug/org	72759
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		13	d	0.1		Al lb/acre	88666
Permethrin	Beauveria	bassiana	Fungus	POP	POP	ABND	LOAEL		3	d	959		ppm	71172
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30	d	0.15		Al lb/acre	88670
Permethrin	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL		49	d	0.15		Al lb/acre	107205
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		42	d	0.15		Al lb/acre	107205
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		7	d	0.1		Al lb/acre	90636
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		14	d	0.1		Al lb/acre	90636
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		21	d	0.1		Al lb/acre	90636
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	0.06		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3.33		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	0.47		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	0.1		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	0.06		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	1.13		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	0.14		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2	d	0.19		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2	d	0.13		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2	d	3.25		ug	103316

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		2.53		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		6.94		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		0.93		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		13 d		12		oz/acre	99780
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		0.98		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		1.27		ug	103316
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		0.69		ug	103316
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		41 d		12		oz/acre	99780
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		2 d		0.16		ug	103316
Permethrin	Solanum	tuberosum	Potato	POP	POP	ABND	NOAEL		41 d		0.75		lb/acre	99780
Permethrin	Araecerus	fasciculatus	Coffee Bean Weevil	MOR	MOR	MORT	LD50		1 d		21.9		ppm	107388
Permethrin	Araecerus	fasciculatus	Coffee Bean Weevil	MOR	MOR	MORT	LD50		1 d		16.5		ppm	107388
Permethrin	Phthorimaea	operculella	Potato Tuberworm	MOR	MOR	MORT	NOAEL	LOAEL	1 d		8	200	ppm	99807
Permethrin	Phthorimaea	operculella	Potato Tuberworm	MOR	MOR	MORT	NR-LETH		1 d		200		ppm	99807
Permethrin	Phthorimaea	operculella	Potato Tuberworm	GRO	DVP	EMRG	LOAEL		14 d		8		ppm	99807
Permethrin	Orgilus	lepidus	Braconid Wasp	MOR	MOR	MORT	NOAEL		1 d		200		ppm	99807
Permethrin	Orgilus	lepidus	Braconid Wasp	GRO	DVP	EMRG	LOAEL		14 d		8		ppm	99807
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2 d		0.24		ppm	63706
Permethrin	Adalia	bipunctata	Two Spotted Lady Beetle	MOR	MOR	MORT	LD50		1 d		0.1		ppm	108375
Permethrin	Hippodamia	convergens	Convergent lady beetle	MOR	MOR	MORT	LD50		1 d		1		ppm	108375
Permethrin	Diabrotica	longicornis	Northern Corn Rootworm	MOR	MOR	MORT	LD50		1 d		0.24		ppm	108375
Permethrin	Oulema	melanopus	Cereal Leaf Beetle	MOR	MOR	MORT	LD50		1 d		0.22		ppm	108375
Permethrin	Oulema	melanopus	Cereal Leaf Beetle	MOR	MOR	MORT	LC50		1 d		3.5		ug/cm2	108375
Permethrin	Daucus	carota	Wild carrot	POP	POP	BMAS	NOAEL		hv		0.99904		lb/acre	103911
Permethrin	Lactuca	sativa	Lettuce	POP	POP	BMAS	NOAEL		hv		0.99904		lb/acre	103911
Permethrin	Allium	cepa	Common onion	POP	POP	BMAS	LOAEL		hv		0.49952		lb/acre	103911
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2 d		1.55		ppm	63706
Permethrin	Helicoverpa	zea	Corn earworm	MOR	MOR	MORT	LD50		2 d		1.61		ppm	63706
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		1.85		ppm	63706
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		1.2		ppm	63706

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2	d	0.71		ppm	63706
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	LD50		2	d	0.35		ppm	63706
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	LD50		2	d	0.99		ppm	63706
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	LD50		2	d	2.52		ppm	63706
Permethrin	Myllocerus	undecimpustulatus	Weevil	MOR	MOR	MORT	LOAEL		1	d	0.015		%	104286
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Acyrtosiphon	pisum	Pea aphid	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	NR	Miridae	Leaf bug family	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Nabis	sp.	Damsel Bug	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Chrysopa	sp.	Green Lacewing	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	NR	Coccinellidae	Ladybird beetle family	POP	POP	ABND	NOAEL		14	d	0.15		Al lb/acre	99848
Permethrin	NR	Araneae	Araneoid spider order	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Diadegma	semiclausum	Wasp	MOR	MOR	MORT	NR-LETH		2	d	0.4		mg/cm2	66754
Permethrin	NR	Hymenoptera	Bee order	POP	POP	ABND	NOAEL		14	d	0.15		Al lb/acre	99848
Permethrin	Orius	insidiosus	Minute pirate bug	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	NR	Orthoptera	t order	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Achyra	rantalais	Garden Webworm	POP	POP	ABND	LOAEL		1	d	0.15		Al lb/acre	99848
Permethrin	Urolepis	rufipes	Parasitic Wasp	MOR	MOR	MORT	NR-LETH		1.0625	d	0.55		ml/929 cm2	109187
Permethrin	Muscidifurax	raptor	Raptor Fly Parasite	MOR	MOR	MORT	NR-LETH		1.0625	d	0.55		ml/m2	109187
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		22	d	0.15		Al lb/acre	89807
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		31	d	0.15		Al lb/acre	89807
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	NOAEL		8	d	0.15		Al lb/acre	89807
Permethrin	Tetrastichus	sp.	Eulophid Wasp	POP	POP	ABND	LOAEL		2	d	0.02		%	109193
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		5	d	0.1		Al lb/acre	89665
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	89665
Permethrin	Crioceris	asparagi	Common Asparagus Beetle	POP	POP	ABND	LOAEL		4	d	0.1		Al lb/acre	89469
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		7	d	0.1		Al lb/acre	90636
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		14	d	0.1		Al lb/acre	90636
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		21	d	0.1		Al lb/acre	90636
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		78	d	0.12		Al kg/ha	110055

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		78	d	0.12		AI kg/ha	110055
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	NOAEL		96	d	0.12		AI kg/ha	110055
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		84	d	0.12		AI kg/ha	110055
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		96	d	0.12		AI kg/ha	110055
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		84	d	0.12		AI kg/ha	110055
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		1	d	2.173		ppm	111156
Permethrin	Heliothis	virescens	Budworm	CEL	CEL	RSBC	NOAEL		#####	d	0.0001		M	111156
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	4.22		ppm	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	4.62		ppm	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667	d	9.96		ug/g eu	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667	d	10.92		ug/g eu	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	0.62		ppm	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	1.28		ppm	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2	d	2.56		ppm	111682
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		1	d	14.78		ppm	111682
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	NOAEL		7	d	0.05		AI lb/acre	89090
Permethrin	Triticum	aestivum	Bread wheat	POP	POP	BMAS	NOAEL			hv	0.05		AI lb/acre	89090
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2	d	0.1		AI lb/acre	92371
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	NOAEL		7	d	0.1		AI lb/acre	92371
Permethrin	Nezara	viridula	Stink Bug	POP	POP	ABND	NOAEL		21	d	0.01		AI lb/acre	92340
Permethrin	Glycine	max	Soybean	POP	POP	ABND	NOAEL			hv	0.01		AI lb/acre	92340
Permethrin	NR	Pentatomidae	Stink bug family	POP	POP	ABND	NOAEL		21	d	0.01		AI lb/acre	92340
Permethrin	Anticarsia	gemmatilis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		3	d	0.01		AI lb/acre	92340
Permethrin	NR	Arthropoda	Arthropod phylum	POP	POP	ABND	NOAEL		21	d	0.01		AI lb/acre	92340
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2	d	0.11		AI lb/acre	92331
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	10.8		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	26.1		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	2424.6		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	8.9		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	34.2		ppm	112247

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		1	d	1590.3		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		0.3333	d	98.7		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		0.3333	d	334.7		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		0.3333	d	22356.3		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NR-LETH		2	d	200		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		1	d	200		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		2	d	200		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC90		1	d	86		ppm	112247
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NR-LETH		4	d	200		ppm	112247
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		2	d	0.1		Al lb/acre	92329
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		21	d	0.1		Al lb/acre	92329
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	TKNO	LD50		1	d	0.2		pg/org	112249
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	TKNO	LD50		2	d	0.16		pg/org	112249
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		4	d	0.15		Al lb/acre	92329
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	ED50		2	d	0.29		pg/org	112249
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		4	d	0.15		Al lb/acre	92329
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	ED50		1	d	6.561		pg/org	112249
Permethrin	NR	Pentatomidae	Stink bug family	POP	POP	ABND	NOAEL		14	d	0.15		Al lb/acre	92329
Permethrin	NR	Arthropoda	Arthropod phylum	POP	POP	ABND	NOAEL		14	d	0.15		Al lb/acre	92329
Permethrin	Coccinella	transversoguttata	Transverse Ladybird Beetle	MOR	MOR	MORT	LD50		1	d	1.4		ppm	108375
Permethrin	Coccinella	trifasciata	Beetle	MOR	MOR	MORT	LD50		1	d	0.37		ppm	108375
Permethrin	Coleomegilla	maculata	Ladybird Beetle	MOR	MOR	MORT	LD50		1	d	0.14		ppm	108375
Permethrin	Hippodamia	glacialis	Ladybird Beetle	MOR	MOR	MORT	LD50		1	d	1.2		ppm	108375
Permethrin	Hippodamia	parenthesis	Ladybird Beetle	MOR	MOR	MORT	LD50		1	d	0.4		ppm	108375
Permethrin	Hippodamia	tredecimpunctata	Beetle	MOR	MOR	MORT	LD50		1	d	0.87		ppm	108375
Permethrin	Tetrastichus	julis	Eulophid Wasp	MOR	MOR	MORT	LC50		1	d	0.0034		ug/cm2	108375
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		6	d	0.1		Al lb/acre	92326
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		26	d	0.1		Al lb/acre	92326
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOAEL		26	d	0.1		Al lb/acre	92326
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	92321

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		3 d		0.1		Al lb/acre	92283
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NR-LETH		1 d		0.1		Al kg/ha	112255
Permethrin	Calomycterus	setarius	Longhorned Weevil	POP	POP	ABND	NOAEL		7 d		4		ai oz/acre	99727
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		1 d		0.1		Al kg/ha	112255
Permethrin	Glycine	max	Soybean	GRO	GRO	AREA	NOAEL		7 d		4		ai oz/acre	99727
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL		hv		4		ai oz/acre	99727
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		1 d		0.1		Al kg/ha	112255
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		33 d		0.5		Al lb/acre	91337
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		1 d		0.1		Al kg/ha	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC90		1 d		16		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC90		1 d		205		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NOAEL		0.1667 d		15.7		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NOAEL		0.1667 d		15.7		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		0.1667 d		15.7		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	NR-LETH		0.1667 d		15.7		ppm	112255
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		0.1667 d		15.7		ppm	112255
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		7 d		0.17		Al lb/acre	90642
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		4 d		0.17		Al lb/acre	90642
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		1 d		15.7		ppm	112255
Permethrin	Nezara	viridula	Stink Bug	POP	POP	ABND	NOAEL		14 d		0.17		Al lb/acre	90642
Permethrin	Manilkara	zapota	Sapodilla	POP	POP	BMAS	NOAEL		15 d		0.01		Al %	93223
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		15 d		0.01		Al %	93223
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		15 d		0.01		Al %	93223
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		15 d		0.01		Al %	93223
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		5 d		0.112		Al kg/ha	112256
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		5 d		0.112		Al kg/ha	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2 d		0.63		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2 d		2.4		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2 d		11.4		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2 d		2.23		ppm	112256

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	13.31		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	101.9		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	38.5		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	6.6		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	2.92		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	28.9		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	19.9		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	2.29		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	0.6		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	1.7		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD90		2	d	27.8		ppm	112256
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		2	d	4.61		ppm	112256
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		4	d	0.15		Al lb/acre	90472
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		4	d	0.15		Al lb/acre	90472
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		4	d	0.15		Al lb/acre	90472
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		42	d	50		g/ha	117938
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		70	d	50		g/ha	117938
Permethrin	Gossypium	hirsutum	Cotton	POP	POP	BMAS	NOAEL			hv	0.089		lb/acre	117938
Permethrin	Dendroctonus	rufipennis	Spruce Beetle	MOR	MOR	MORT	LD50		3	d	2.65		ppm	104757
Permethrin	Dendroctonus	rufipennis	Spruce Beetle	MOR	MOR	MORT	LD90		3	d	7.58		ppm	104757
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		5	d	0.1		Al lb/acre	83124
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		18	d	0.1		Al lb/acre	83124
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		39	d	0.1		Al lb/acre	83124
Permethrin	Mus	musculus	House mouse	GRO	MPH	WGHT	NOAEL	LOAEL	2	d	4.58	9.16	ul	105009
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		6	d	0.1		Al lb/acre	96289
Permethrin	Mus	musculus	House mouse	CEL	CEL	NCEL	NOAEL	LOAEL	2	d	9.16	13.74	ul	105009
Permethrin	Anthrenus	verbasci	Varied Carpet Beetle	MOR	MOR	MORT	ZERO		#####	d	50		mg/m2	64145
Permethrin	Mus	musculus	House mouse	CEL	GEN	APOP	LOAEL		2	d	22.9		ul	105009
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2	d	0.11		Al kg/ha	96169
Permethrin	Mus	musculus	House mouse	PHY	IMM	GIMM	LOAEL		2	d	22.9		ul	105009

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Anthrenus	verbasci	Varied Carpet Beetle	BEH	AVO	CHEM	LOAEL		#####	d	12.5		mg/m2	64145
Permethrin	Nasonia	vitripennis	Chalcid Wasp	MOR	MOR	MORT	NR-LETH		1.0625	d	0.55		ml/929 cm2	109187
Permethrin	Spalangia	cameroni	Chalcid Wasp	MOR	MOR	MORT	ZERO		1.0625	d	0.55		ml/929 cm2	109187
Permethrin	Anthrenus	verbasci	Varied Carpet Beetle	BEH	AVO	CHEM	NOAEL	LOAEL	#####	d	25	37.5	mg/m2	64145
Permethrin	Idioscopus	clypealis	Mango Hopper	POP	POP	ABND	LOAEL		2	d	0.02		%	109193
Permethrin	Mus	musculus	House mouse	GRO	GRO	WGHT	NOAEL		40	d	4.58		ul/d	105010
Permethrin	Mus	musculus	House mouse	GRO	GRO	WGHT	NOAEL		44	d	4.58		ul/d	105010
Permethrin	Mus	musculus	House mouse	GRO	GRO	WGHT	NOAEL		58	d	4.58		ul/d	105010
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		2	d	0.056		Al kg/ha	95802
Permethrin	Mus	musculus	House mouse	GRO	GRO	WGHT	NOAEL		60	d	4.58		ul/d	105010
Permethrin	Trichogramma	platneri	Parasitic wasp	MOR	MOR	MORT	LOAEL		2	d	5		ppm	110866
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LC50		1	d	25.1		ug/eu	64230
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	EC50		1	d	1.1		ug/eu	64230
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	EC50		1	d	1		ug/eu	64230
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		4	d	6.4		oz/ac	95794
Permethrin	Mus	musculus	House mouse	BCM	BCM	H2O2	NOAEL	LOAEL	12	d	0.458	1.374	ul/d	105010
Permethrin	Mus	musculus	House mouse	PHY	IMM	PHAG	NOAEL		40	d	4.58		ul/d	105010
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	95795
Permethrin	Mus	musculus	House mouse	PHY	IMM	PHAG	NOAEL	LOAEL	24	d	1.374	4.58	ul/d	105010
Permethrin	Mus	musculus	House mouse	PHY	IMM	PHAG	NOAEL		58	d	4.58		ul/d	105010
Permethrin	Mus	musculus	House mouse	PHY	IMM	PHAG	NOAEL		60	d	4.58		ul/d	105010
Permethrin	Mus	musculus	House mouse	PHY	IMM	PHAG	NOAEL	LOAEL	16	d	1.374	4.58	ul/d	105010
Permethrin	Mus	musculus	House mouse	BCM	BCM	H2O2	NOAEL	LOAEL	30	d	1.374	4.58	ul/d	105010
Permethrin	Mus	musculus	House mouse	BCM	BCM	H2O2	NOAEL	LOAEL	32	d	0.458	1.374	ul/d	105010
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		7	d	291		ml/ha	95627
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		2	d	0.1		Al lb/acre	89064
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		27	d	0.15		Al lb/acre	95791
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		29	d	0.15		Al lb/acre	95791
Permethrin	Acalymma	vittatum	Striped Cucumber Beetle	POP	POP	ABND	NOAEL		9	d	6.4		oz/acre	105074
Permethrin	Glycine	max	Soybean	PHY	INJ	DAMG	LOAEL		9	d	0.1		Al lb/acre	89064

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Cucumis	melo	Honeydew	PHY	IMM	GIMM	NOAEL		81	d	0.4		lb/acre	105074
Permethrin	Cucumis	melo	Honeydew	POP	POP	BMAS	NOAEL			hv	0.4		lb/acre	105074
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL		70	d	0.1		Al lb/acre	89064
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	NR-LETH		2	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	NR-LETH		3	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	NR-LETH		2	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	NR-LETH		2	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	NR-LETH		2	d	0.11		Al kg/ha	89285
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	NR-LETH		1	d	0.01		%	105107
Permethrin	Brassica	oleracea	Cabbage	POP	POP	BMAS	NOAEL		45	d	0.2		Al lb/acre	89021
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1	d	0.11		Al kg/ha	89285
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		23	d	0.2		Al lb/acre	89021
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	7		ppm	113790
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		3	d	0.11		Al kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1	d	0.11		Al kg/ha	89285
Permethrin	Orconectes	immunis	Crayfish	PHY	ITX	GITX	EC50		4	d	0.0000736		mg/L	105539
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		17	d	0.2		Al lb/acre	89021
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	40		ppm	113790
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	210		ppm	113790
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	350		ppm	113790
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	430		ppm	113790
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1	d	0.11		Al kg/ha	89285
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL			d	0.2		Al lb/acre	88086
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	450		ppm	113790
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1	d	0.11		Al kg/ha	89285
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	470		ppm	113790
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL			d	0.15		Al lb/acre	88086
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL			d	0.15		Al lb/acre	88086
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	650		ppm	113790

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		670		ppm	113790
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		1660		ppm	113790
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.16		ug/org	105720
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.08		ug/org	105720
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.06		ug/org	105720
Permethrin	Mus	musculus	House mouse	BCM	ENZ	GSTR	NOEL		4 d		100		ppm	92613
Permethrin	Mus	musculus	House mouse	BCM	ENZ	GSTR	NOEL		4 d		100		ppm	92613
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.11		ug/org	105720
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Pseudoplusia	includens	Soybean looper	BEH	FDB	FCNS	LOAEL		1 d		0.11		AI kg/ha	89285
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.41		ug/org	105720
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.21		ug/org	105720
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.1		ug/org	105720
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.05		ug/org	105720
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.26		ug/org	105720
Permethrin	Helicoverpa	armigera	Old world bollworm	MOR	MOR	MORT	LC50		2 d		0.25		ug/org	105720
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		1 d		0.64		oz/ac	88128
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		7 d		0.1		AI lb/acre	97733
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	CNTL	LOAEL		24 d		0.15		AI lb/acre	106182
Permethrin	Sesamia	inferens	Pink Stem Borer	POP	POP	ABND	LOAEL		10 d		0.075		AI kg/ha	92556
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	CNTL	LOAEL		24 d		0.05		AI lb/acre	106182
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		14 d		0.1		AI lb/acre	97733
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	CNTL	LOAEL		24 d		0.15		AI lb/acre	106182
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	CNTL	LOAEL		24 d				AI lb/acre	106182
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	NOAEL		14 d		0.2		AI lb/acre	88951
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		3 d		0.15		AI lb/acre	88951

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		3 d		0.15		Al lb/acre	88951
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		3 d		0.15		Al lb/acre	88951
Permethrin	Lygus	lineolaris	Tarnished plant bug	POP	POP	ABND	LOAEL		3 d		0.15		Al lb/acre	88951
Permethrin	Adelphocoris	lineolatus	Alfalfa Plant Bug	POP	POP	ABND	LOAEL		14 d		0.15		Al lb/acre	88951
Permethrin	NR	Miridae	Leaf bug family	POP	POP	ABND	LOAEL		3 d		0.15		Al lb/acre	88951
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	ABND	LOAEL		2 d		0.2		Al lb/acre	106186
Permethrin	Nezara	viridula	Stink Bug	POP	POP	ABND	LOAEL		2 d		0.2		Al lb/acre	106186
Permethrin	NR	Arthropoda	Arthropod phylum	POP	POP	ABND	LOAEL		3 d		0.15		Al lb/acre	88951
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	NOEL		1 d		56		Al g/ha	89060
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOEL		8 d		56		Al g/ha	89060
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	NOEL		15 d		56		Al g/ha	89060
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	NOEL		22 d		56		Al g/ha	89060
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	NOEL		29 d		56		Al g/ha	89060
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Diabrotica	balteata	Banded Cucumber Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Diabrotica	balteata	Banded Cucumber Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		3 d		0.08		Al lb/acre	92373
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		11 d		0.1		Al lb/acre	92373
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		3 d		0.08		Al lb/acre	92373
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		3 d		0.08		Al lb/acre	92373
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Diabrotica	balteata	Banded Cucumber Beetle	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Spissistilus	festinus	Hopper	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96290
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00088		mg/L	100853
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0019		mg/L	100853
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0202		mg/L	100853
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00414		mg/L	100853
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00865		mg/L	100853
Permethrin	Culex	pipiens	Northern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0446		mg/L	100853

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Rattus	norvegicus	Norway rat	MOR	MOR	MORT	ZERO		7 d		60		mg/kg bdwt	117934
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96260
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96260
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	LDPX	LOAEL		1 d		60		mg/kg bdwt	117934
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96260
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.1		Al lb/acre	96260
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	PRTL	NOAEL		1 d		60		mg/kg bdwt	117934
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	NKAT	LOAEL		1 d		60		mg/kg bdwt	117934
Permethrin	Earias	vittella	Rough Bollworm	POP	POP	ABND	LOAEL		hv		0.015		%	89018
Permethrin	Earias	vittella	Rough Bollworm	POP	POP	ABND	LOAEL		hv		0.015		%	89018
Permethrin	Rattus	norvegicus	Norway rat	MOR	MOR	MORT	ZERO		1 d		60		mg/kg bdwt	117934
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	LDPX	NOAEL		7 d		60		mg/kg bdwt	117934
Permethrin	Abelmoschus	esculentus	Okra	POP	POP	BMAS	NOAEL		hv		0.015		%	89018
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	PRTL	NOAEL		7 d		60		mg/kg bdwt	117934
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	NKAT	LOAEL		7 d		60		mg/kg bdwt	117934
Permethrin	Anopheles	sundaicus	Mosquito	MOR	MOR	MORT	LT50		##### d		0.75		%	99646
Permethrin	Anopheles	sundaicus	Mosquito	MOR	MOR	MORT	LT95		0.0175 d		0.75		%	99646
Permethrin	Anopheles	sundaicus	Mosquito	MOR	MOR	MORT	NR-LETH		1 d		0.75		%	99646
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT95		##### d		0.75		%	99646
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LT50		##### d		0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT50		##### d		0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT95		##### d		0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	NR-LETH		1 d		0.75		%	99646
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2 d		0.87		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2 d		3.47		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2 d		1.54		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2 d		11.7		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2 d		1.53		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2 d		7.11		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2 d		2.23		ppm	117830

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2	d	7.66		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2	d	2.01		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2	d	19.2		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2	d	0.91		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2	d	6.72		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2	d	490.71		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2	d	6824.83		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		2	d	492.38		ppm	117830
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD95		2	d	8182.09		ppm	117830
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		20	d	0.2		Al lb/acre	106277
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	NR-LETH		1	d	0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT95		#####	d	0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT50		#####	d	0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT50		#####	d	0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	LT95		#####	d	0.75		%	99646
Permethrin	Culex	sitiens	Mosquito	MOR	MOR	MORT	NR-LETH		1	d	0.75		%	99646
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LOAEL		0.3333	d	3.2		fl oz/acre	106209
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		26	d	0.15		Al lb/acre	106302
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		20	d	0.15		Al lb/acre	106302
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		11	d	1.5		ai oz/acre	106495
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		4	d	1.5		ai oz/acre	106495
Permethrin	Bracon	sp.	Wasp	MOR	MOR	MORT	LOAEL		#####	d	0.17		Al kg/ha	87394
Permethrin	Macrocentrus	ancylivorus	Parasitic wasp	MOR	MOR	MORT	LOAEL		#####	d	0.17		Al kg/ha	87394
Permethrin	Channa	punctata	Snake-head catfish	BCM	BCM	GLYC	LOAEL		5	d	0.07		mg/L	87363
Permethrin	Brassica	rapa	Turnip	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	88850

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Phyllotreta	cruciferae	Crucifer flea beetle	POP	POP	ABND	LOAEL		7 d		0.1		Al lb/acre	88850
Permethrin	NR	Carabidae	Ground beetle family	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	NR	Carabidae	Ground beetle family	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	NR	Staphylinidae	Rove beetle family	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	NR	Staphylinidae	Rove beetle family	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	NR	Coleoptera	Beetle order	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	NR	Coleoptera	Beetle order	POP	POP	ABND	NOAEL		60 d		0.0091		Al kg/acre	88064
Permethrin	Rattus	norvegicus	Norway rat	GRO	GRO	WGHT	NOEL		16 d		0.8		mg/kg bdwt	96350
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	DATP	LOEL		16 d		0.8		mg/kg bdwt	96350
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	DPAU	LOEL		16 d		0.8		mg/kg bdwt	96350
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		7 d		0.2		Al lb/acre	88257
Permethrin	Medicago	sativa	Alfalfa	POP	POP	BMAS	NOAEL		hv		0.2		Al lb/acre	88257
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		hv		0.2		Al lb/acre	92333
Permethrin	Zea	mays	Corn	REP	REP	RSUC	NOAEL		hv		0.2		Al lb/acre	92333
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		24 d		0.15		Al lb/acre	91338
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		24 d		0.15		Al lb/acre	91338
Permethrin	Eurytoma	pini	Chalcid Wasp	MOR	MOR	MORT	NOAEL		1 d		0.17		Al kg/ha	87394
Permethrin	Haltichella	rhyacioniae	Chalcid Wasp	MOR	MOR	MORT	LOAEL		1 d		0.17		Al kg/ha	87394
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		14 d		0.15		Al lb/acre	97349
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		14 d		0.15		Al lb/acre	97349
Permethrin	Carpophilus	lugubris	Dusky Sap Beetle	POP	POP	ABND	NOAEL		14 d		0.15		Al lb/acre	97349
Permethrin	Carpophilus	lugubris	Dusky Sap Beetle	POP	POP	ABND	NOAEL		14 d		0.125		Al lb/acre	97349
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL		14 d		0.125		Al lb/acre	97349
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		14 d		0.125		Al lb/acre	97349
Permethrin	Prostephanus	truncatus	Larger Grain Borer	MOR	MOR	MORT	EC50		1 d		0.002		Al ug/org	117920
Permethrin	Prostephanus	truncatus	Larger Grain Borer	MOR	MOR	MORT	EC99		1 d		0.015		Al ug/org	117920
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	NOAEL		20 d		0.1		Al lb/acre	79773
Permethrin	Prostephanus	truncatus	Larger Grain Borer	MOR	MOR	MORT	EC50		1 d		0.099		% w/v	117920
Permethrin	Prostephanus	truncatus	Larger Grain Borer	MOR	MOR	MORT	EC99		1 d		0.8		% w/v	117920
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		34 d		0.05		Al lb/acre	79773

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Medicago	sativa	Alfalfa	POP	POP	BMAS	NOAEL		35	d	0.1		Al lb/acre	79773
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Diaeretiella	rapae	Parasitoid Wasp	BEH	BEH	GBHV	LOAEL		#####	d	50		ml/ha	94832
Permethrin	Mus	musculus	House mouse	BCM	ENZ	NDMT	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	NDMT	LOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	LC50		4	d	0.306		ppm	112338
Permethrin	Mus	musculus	House mouse	BCM	ENZ	PNAD	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	PNAD	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		2	d	0.15		Al lb/acre	79769
Permethrin	Medicago	sativa	Alfalfa	POP	POP	ABND	NOAEL		24	d	0.15		Al lb/acre	79769
Permethrin	NR	Formicidae	Ant family	MOR	MOR	MORT	NR-LETH		0.25	d	0.005		Al %	101618
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.7624		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	2.5731		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	6.0992		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	11.436		mg/L	88202
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL			hv	0.015		Al lb/acre	92336
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	7.1475		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	14.295		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.007624		mg/L	88202
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.008577		mg/L	88202
Permethrin	Prostephanus	truncatus	Larger Grain Borer	MOR	MOR	MORT	NR-LETH		14	d	2.5		ppm	117920
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	1.153		ppm	113279
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.573		ppm	113279
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		5	d	0.15		Al lb/acre	92374
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		5	d	0.15		Al lb/acre	92374
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		5	d	0.15		Al lb/acre	92374
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.129		ppm	113279
Permethrin	Mus	musculus	House mouse	GRO	MPH	SMIX	NOEL		3	d	100		mg/kg bdwt	92612
Permethrin	Cylas	formicarius	Sweet potato weevil	POP	POP	ABND	LOAEL		75	d	0.03		Al %	92550

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Cylas	formicarius	Sweet potato weevil	POP	POP	ABND	LOAEL		75	d	0.03		AI %	92550
Permethrin	Cylas	formicarius	Sweet potato weevil	POP	POP	ABND	LOAEL		75	d	0.03		AI %	92550
Permethrin	Compsilura	concinata	Tachinid Fly	POP	POP	ABND	NOAEL		47	d	0.091		AI kg/ha	117815
Permethrin	Stenichneumon	culpator	Ichneumonid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		AI kg/ha	117815
Permethrin	Anticarsia	gemmatalis	Velvetbean Caterpillar	POP	POP	CNTL	LOAEL		2	d	15		AI %	92341
Permethrin	Pholetesor	pedias	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	752.8		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	739.6		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	842.4		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	936.7		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	1064.4		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	455.8		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	610.6		ppm	90886
Permethrin	Pholetesor	pedias	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	1118.4		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	996.5		ppm	90886
Permethrin	Pholetesor	ornigis	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	1061.9		ppm	90886
Permethrin	Leishmania	infantum	Protist	POP	POP	ABND	LOAEL		240	d	65		%	117586
Permethrin	Orconectes	immunis	Crayfish	MOR	MOR	MORT	LC50		4	d	0.0001932		mg/L	105539
Permethrin	Heliothis	armigera	Bollworm	MOR	MOR	MORT	LD50		1	d	0.92		ppm	103049
Permethrin	Heliothis	armigera	Bollworm	MOR	MOR	MORT	LD50		1	d	0.86		ppm	103049
Permethrin	Heliothis	armigera	Bollworm	MOR	MOR	MORT	LD50		1	d	3.63		ppm	103049
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	1.17		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	0.21		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	5.96		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	4.66		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	5.89		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	2.69		ppm	91591
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1	d	1100		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1	d	70		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1	d	620		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1	d	60		ppm	73710

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1 d		2400		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1 d		700		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1 d		190		ppm	73710
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		1 d		18		ppm	73710
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		3.48		ppm	91591
Permethrin	Rivula	sp.	Grey Semilooper	POP	POP	ABND	LOAEL		1 d		0.005		AI %	89013
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL		hv		0.005		AI %	89013
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		1.79		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		8.35		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		3.46		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		1.79		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		2.12		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		3.68		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		1.8		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		5.71		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		3.73		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		12.4		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		3.06		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		4.84		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		5.21		ppm	91591
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3 d		5.06		ppm	91591
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	CNTL	LOAEL		3 d		0.16		AI lb/acre	92323
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		3.06475		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		15.1823		ug/org	112253
Permethrin	NR	Aphididae	Aphid family	POP	POP	CNTL	LOAEL		7 d		0.16		AI lb/acre	92323
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		6.10121		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		4.89417		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		9.6186		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		11.81579		ug/org	112253
Permethrin	Brassica	oleracea	Cabbage	POP	POP	BMAS	NOAEL		hv		0.16		AI lb/acre	92323

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		10.40129		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		20.67999		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		3.4891		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		3.72485		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		2.5461		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		7.9212		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		39.9832		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		16.53079		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		13.1077		ug/org	112253
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LD50		5 d		21.82102		ug/org	112253
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		2 d		0.2		Al lb/acre	82736
Permethrin	Frankliniella	fusca	Tobacco thrip	POP	POP	ABND	LOAEL		gs		0.2		Al lb/acre	82736
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		21 d		0.1		Al lb/acre	89056
Permethrin	Murgantia	histrionica	Harlequin Bug	POP	POP	ABND	LOAEL		gs		0.2		Al lb/acre	82736
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		21 d		0.1		Al lb/acre	89056
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		21 d		0.1		Al lb/acre	89056
Permethrin	NR	Insecta	Insect class	POP	POP	ABND	LOAEL		hv		0.2		Al lb/acre	82736
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		0.47		ppm	112750
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		0.45		ppm	112750
Permethrin	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		hv		0.2		Al lb/acre	82736
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		0.9		ppm	112750
Permethrin	Spodoptera	frugiperda	Fall armyworm	MOR	MOR	MORT	LD50		2 d		2.65		ppm	112750
Permethrin	Phthorimaea	operculella	Potato Tuberworm	MOR	MOR	MORT	LC50		1 d		0.0000078		Al g/ml	73144
Permethrin	Orgilus	lepidus	Braconid Wasp	MOR	MOR	MORT	LC50		1 d		0.0000059		Al g/ml	73144
Permethrin	Copidosoma	koehleri	Chalcid Wasp	MOR	MOR	MORT	LC50		1 d		0.0000027		Al g/ml	73144
Permethrin	Apanteles	subandinus	Potato Moth Parasite	MOR	MOR	MORT	LC50		1 d		0.0000088		Al g/ml	73144
Permethrin	Phthorimaea	operculella	Potato Tuberworm	MOR	MOR	MORT	LC50		1 d		0.0000009		Al g/ml	73144
Permethrin	Phthorimaea	operculella	Potato Tuberworm	MOR	MOR	MORT	LC50		1 d		0.000001		Al g/ml	73144
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3 d		0.07		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3 d		0.05		ppm	112748

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.07		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.09		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.08		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.04		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.06		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.05		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.05		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.01		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	MOR	MOR	MORT	LD50		3	d	0.07		ppm	112748
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOAEL		21	d	0.1		AI lb/acre	89056
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		25	d	0.1		AI lb/acre	89056
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LOAEL			d	120		ppm	113455
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LOAEL			d	120		ppm	113455
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LC50			d	5.7		ppm	113455
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LC90			d	27.3		ppm	113455
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LC50			d	10.4		ppm	113455
Permethrin	Keiferia	lycopersicella	Tomato pinworm	MOR	MOR	MORT	LC90			d	92.9		ppm	113455
Permethrin	Melanoplus	femurrubrum	Redlegged Grasshopper	POP	POP	ABND	LOAEL		1	d	0.2		AI lb/acre	88124
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	10.56		ppm	113418
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL			hv	0.15		AI lb/acre	88272
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL			hv	0.15		AI lb/acre	88272
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL			hv	0.15		AI lb/acre	88272
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		23	d	0.15		AI lb/acre	88209
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		24	d	0.15		AI lb/acre	88209
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		2	d	0.1		AI lb/acre	73097
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		3	d	0.1		AI lb/acre	73097
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		2	d	0.1		AI lb/acre	73097
Permethrin	Brassica	napus	Colza	POP	POP	BMAS	NOAEL			hv	0.1		AI lb/acre	73097
Permethrin	Brassica	napus	Colza	GRO	GRO	DNSY	NOAEL			hv	0.1		AI lb/acre	73097
Permethrin	Brassica	napus	Colza	BCM	BCM	OLCO	NOAEL			hv	0.1		AI lb/acre	73097

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Brassica	napus	Colza	BCM	BCM	OLCO	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Iseropus	stercorator	Ichneumonid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Brassica	napus	Colza	GRO	GRO	DNSY	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Voria	ruralis	Tachinid Fly	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Brassica	napus	Colza	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Brassica	napus	Colza	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Phryxe	pecosensis	Tachinid Fly	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Brassica	napus	Colza	GRO	GRO	DNSY	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Itoplectis	conquisitor	Ichneumonid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Brassica	napus	Colza	BCM	BCM	OLCO	NOAEL			hv	0.1		Al lb/acre	73097
Permethrin	Cotesia	glomerata	Parasitic Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Pteromalus	puparum	Pteromalid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	1.47		ppm	103261
Permethrin	Diadromus	sp.	Ichneumonid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Tetrastichus	sp.	Eulophid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	974.4		ppm	103261
Permethrin	Microplitis	plutellae	Braconid Wasp	POP	POP	ABND	NOAEL		47	d	0.091		Al kg/ha	117815
Permethrin	Copidosoma	floridanum	Parasitic Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Compsilura	concinata	Tachinid Fly	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Stenichneumon	culpator	Ichneumonid Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Vulgichneumon	brevicinctor	Ichneumonid Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Itoplectis	conquisitor	Ichneumonid Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Rattus	norvegicus	Norway rat	GRO	GRO	WGHT	NOAEL		60	d	150		mg/kg bdwt	115931
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	LOCO	LOAEL		60	d	150		mg/kg bdwt	115931
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	GLTH	LOAEL		60	d	150		mg/kg bdwt	115931
Permethrin	Iseropus	stercorator	Ichneumonid Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Phryxe	pecosensis	Tachinid Fly	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Compsilura	concinata	Tachinid Fly	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Pteromalus	puparum	Pteromalid Wasp	POP	POP	ABND	NOAEL		49	d	0.091		Al kg/ha	117815
Permethrin	Diadromus	sp.	Ichneumonid Wasp	POP	POP	ABND	LOAEL		49	d	0.023		Al kg/ha	117815

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.08		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.22		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	1.06		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	1.1		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	1.2		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	39.12		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.07		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.75		ppm	74126
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3	d	0.07		ppm	74126
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	3NTT	NOAEL		3	d	1.287		ppm	115932
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		6	d	0.11		AI kg/ha	74126
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		7	d	0.11		AI kg/ha	74126
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	8ODG	NOAEL		3.3333	d	1.287		ppm	115933
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.0084		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	0.0322		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	0.133		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.0609		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.14		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	0.588		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	0.77		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.196		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.224		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	0.532		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD90		7	d	1.47		g/ha	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LD50		7	d	0.287		g/ha	53651
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		19	d	0.2		AI lb/acre	89059
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.24		ppm	53651
Permethrin	Helicoverpa	zea	Corn earworm	BEH	FDB	FDNG	NOAEL		19	d	0.2		AI lb/acre	89059
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	6.33		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	1.39		ppm	53651

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.75		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.16		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	1.06		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	0.25		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.011		ppm	53651
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		11	d	0.1		Al lb/acre	88871
Permethrin	Solanum	tuberosum	Potato	POP	POP	ABND	NOAEL			hv	0.1		Al lb/acre	88871
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.1		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	0.33		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC90		7	d	0.25		ppm	53651
Permethrin	Orygia	pseudotsugata	Douglas-fir Tussock Moth	MOR	MOR	MORT	LC50		7	d	0.11		ppm	53651
Permethrin	Anasa	tristis	Squash Bug	POP	POP	ABND	NOAEL		1	d	0.1		Al lb/acre	88802
Permethrin	Diabrotica	undecimpunctata	Southern corn rootworm	POP	POP	ABND	NOAEL		1	d	0.1		Al lb/acre	88802
Permethrin	Acalymma	vittatum	Striped Cucumber Beetle	POP	POP	ABND	NOAEL		1	d	0.1		Al lb/acre	88802
Permethrin	Papaipema	nebris	Stalk Borer	POP	POP	CNTL	LOAEL		14	d	0.1		Al lb/acre	88664
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	LOAEL		4	d	110		g/ha	113422
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	NOAEL		21	d	110		g/ha	113422
Permethrin	NR	Collembola	Springtail order	POP	POP	ABND	NOAEL		60	d	0.0091		Al kg/acre	88064
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	LOAEL		7	d	110		g/ha	113422
Permethrin	NR	Collembola	Springtail order	POP	POP	ABND	NOAEL		60	d	0.0091		Al kg/acre	88064
Permethrin	NR	Araneae	Araneoid spider order	POP	POP	ABND	LOAEL		60	d	0.0091		Al kg/acre	88064
Permethrin	NR	Araneae	Araneoid spider order	POP	POP	ABND	NOAEL		60	d	0.0091		Al kg/acre	88064
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	LOAEL		78	d	0.12		Al kg/ha	110055
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	NOAEL		78	d	0.12		Al kg/ha	110055
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	NOAEL		96	d	0.12		Al kg/ha	110055
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	NOAEL		96	d	0.12		Al kg/ha	110055
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	LOAEL		84	d	0.12		Al kg/ha	110055
Permethrin	NR	Thysanoptera	Thrip order	POP	POP	ABND	NOAEL		84	d	0.12		Al kg/ha	110055
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	NOAEL		78	d	0.12		Al kg/ha	110055
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	NOAEL		78	d	0.12		Al kg/ha	110055

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	NOAEL		96	d	0.12		AI kg/ha	110055
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	NOAEL		96	d	0.12		AI kg/ha	110055
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	LOAEL		84	d	0.12		AI kg/ha	110055
Permethrin	NR	Aphididae	Aphid family	POP	POP	ABND	LOAEL		84	d	0.12		AI kg/ha	110055
Permethrin	Balanus	albicostatus	Barnacle	POP	POP	STTL	EC50		2	d	4.419		mg/L	117434
Permethrin	Balanus	albicostatus	Barnacle	MOR	MOR	MORT	LC50		2	d	225		mg/L	117434
Permethrin	NR	Animalia	Animal kingdom	POP	POP	BMAS	LOAEL		180	d	135		mg/eu	117434
Permethrin	Mus	musculus	House mouse	BCM	ENZ	KATE	LOAEL		1	d	250		mg/kg bdwt	79195
Permethrin	Mus	musculus	House mouse	BCM	ENZ	KATE	LOAEL		6	d	125		mg/kg bdwt	79195
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.01287		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.01386		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.02772		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.04356		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.05445		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.07128		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.1584		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.1881		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.2475		mg/L	117435
Permethrin	Rattus	norvegicus	Norway rat	GRO	GRO	WGHT	NOAEL		12	d	50		mg/kg bdwt	36072
Permethrin	Rattus	norvegicus	Norway rat	GRO	GRO	WGHT	NOAEL		12	d	50		mg/kg bdwt	36072
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	P450	LOAEL		4	d	50		mg/kg bdwt	36072
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	P450	LOAEL		8	d	50		mg/kg bdwt	36072
Permethrin	Trichogramma	pretiosum	Parasitic wasp	BEH	BEH	PNPY	LOAEL		1	d	0.112		AI kg/ha	37276
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.003395		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.003007		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.01261		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.01746		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.02813		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.03977		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.06111		mg/L	117435

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.0679		mg/L	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1	d	0.7954		mg/L	117435
Permethrin	Trichogramma	pretiosum	Parasitic wasp	MOR	MOR	MORT	LOAEL		1	d	0.112		AI kg/ha	37276
Permethrin	Trichogramma	pretiosum	Parasitic wasp	MOR	MOR	MORT	LOAEL		1	d	0.112		AI kg/ha	37276
Permethrin	Trichogramma	pretiosum	Parasitic wasp	MOR	MOR	MORT	LOAEL		1	d	0.112		AI kg/ha	37276
Permethrin	Trichogramma	pretiosum	Parasitic wasp	POP	POP	SEXR	NOAEL			em	0.112		AI kg/ha	37276
Permethrin	Trichogramma	pretiosum	Parasitic wasp	REP	REP	PROG	NOAEL			em	0.112		AI kg/ha	37276
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LT50		#####	d	14		ug/cm2	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LT50		#####	d	14		ug/cm2	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LT50		0.2889	d	14		ug/cm2	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LT50		0.3201	d	14		ug/cm2	117435
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LT50		0.3313	d	14		ug/cm2	117435
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LOAEL		7	d	0.17		AI kg/ha	74109
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LOAEL		7	d	0.17		AI kg/ha	74109
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LC50		7	d	8.78		AI kg/ha	74109
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.023		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.037		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.027		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.022		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.021		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.032		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.025		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.017		ug/org	113233
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	LD50		7	d	0.043		ug/org	113233
Permethrin	Cydia	pomonella	Coddling moth	POP	POP	ABND	LOAEL			hv	10		ppm	65296
Permethrin	Cydia	pomonella	Coddling moth	POP	POP	ABND	LOAEL			hv	10		ppm	65296
Permethrin	Cydia	pomonella	Coddling moth	POP	POP	ABND	LOAEL			hv	40		ppm	65296
Permethrin	Cydia	pomonella	Coddling moth	POP	POP	ABND	LOAEL			hv	30		ppm	65296
Permethrin	Cycloneda	sanguinea	Spotless Ladybird Beetle	MOR	MOR	MORT	NR-LETH			lva	38.4		ppm	112449
Permethrin	Harmonia	axyridis	Asian lady beetle	MOR	MOR	MORT	NR-LETH			lva	38.4		ppm	112449

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Olla	v-nigrum	Ladybird Beetle	MOR	MOR	MORT	NR-LETH			lva	38.4		ppm	112449
Permethrin	Chrysoperla	rufilabris	Lacewing	MOR	MOR	MORT	NR-LETH			lva	38.4		ppm	112449
Permethrin	Aphis	pomi	Green apple aphid	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Typhlocyba	pomaria	nymph	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Typhlocyba	pomaria	nymph	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Aphis	pomi	Green apple aphid	POP	POP	ABND	LOAEL			hv	30		ppm	112755
Permethrin	Bombyx	mori	Silkworm	MOR	MOR	MORT	LC50		1 d		1.6		ppm	114962
Permethrin	Bombyx	mori	Silkworm	MOR	MOR	MORT	LC95		1 d		2.44		ppm	114962
Permethrin	Bombyx	mori	Silkworm	MOR	MOR	MORT	LC95		2 d		2.12		ppm	114962
Permethrin	Bombyx	mori	Silkworm	MOR	MOR	MORT	LC50		1 d		0.75		ppm	114962
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	ED50		7 d		39.7		g/ha	113230
Permethrin	Choristoneura	occidentalis	Western Spruce Budworm	MOR	MOR	MORT	ED50		7 d		9.5		g/ha	113230
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	NOEL		1.125 d		0.06		mg/eu	92559
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	NOEL		1.1458 d		0.06		mg/eu	92559
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	LOEL		1.1563 d		0.06		mg/eu	92559
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	LOEL		1.1667 d		0.06		mg/eu	92559
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	LOEL		1.1771 d		0.06		mg/eu	92559
Permethrin	Apis	mellifera	Honey bee	BEH	BEH	ACTP	NOEL		1.1875 d		0.06		mg/eu	92559
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		10		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		10		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		10		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		20		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		60		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		120		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		130		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		160		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		240		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2 d		290		ppm	74121

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	350		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	360		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	490		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	490		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	590		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	610		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	620		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	670		ppm	74121
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		2	d	740		ppm	74121
Permethrin	Pieris	brassicae	Large white butterfly	MOR	MOR	MORT	LOAEL		1	d	0.0375		Al g/ha	118551
Permethrin	Crioceris	asparagi	Common Asparagus Beetle	POP	POP	ABND	LOAEL		4	d	0.1		Al lb/acre	89469
Permethrin	Crioceris	asparagi	Common Asparagus Beetle	POP	POP	ABND	NOAEL		4	d	0.1		Al lb/acre	89469
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		31	d	0.15		Al lb/acre	89807
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		13	d	12		oz/acre	99780
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		13	d	12		oz/acre	99780
Permethrin	Empoasca	fabae	Potato leafhopper	POP	POP	ABND	LOAEL		7	d	0.15		Al lb/acre	99848
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		26	d	0.15		Al lb/acre	90472
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	142.1		Al ug/g eu	112257
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		23	d	0.15		Al lb/acre	88669
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	258		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	311		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	235		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	275		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	145		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	197		Al ug/g eu	112257
Permethrin	Curinus	coeruleus	Ladybird Beetle	MOR	MOR	MORT	NR-LETH			lva	38.4		ppm	112449
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	119		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	399		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	212		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	255		Al ug/g eu	112257

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	232		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	322		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	283		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	209		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	251		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	282		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	351		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	534		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	412		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	288		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	439		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	380		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	336		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	593		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	1051		Al ug/g eu	112257
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1.5833	d	832		Al ug/g eu	112257
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		2	d	1100		ppm	113459
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	GPST	NOAEL	LOAEL	0.1667	d	25	75	mg/kg bdwt	117854
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	GPST	NOAEL	LOAEL	0.1667	d	25	75	mg/kg bdwt	117854
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	AGGT	NOAEL	LOAEL	#####	d	25	75	mg/kg bdwt	117854
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		2	d	620		ppm	113459
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		2	d	2400		ppm	113459
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	AGGT	LOAEL		#####	d	150		mg/kg bdwt	117854
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	BTMP	NOAEL	LOAEL	#####	d	25	75	mg/kg bdwt	117854
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	BTMP	LOAEL		#####	d	25		mg/kg bdwt	117854
Permethrin	Diglyphus	begini	Eulophid Wasp	MOR	MOR	MORT	LC50		2	d	190		ppm	113459
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	0.382		ug/org	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	35.3		ug/org	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	5.6		ug/org	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LD50		1	d	0.914		ug/org	117855

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		80.7		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		1090		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		6870		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		57200		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		57200		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		120		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		112		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		157		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		140		ppm	117855
Permethrin	Spodoptera	exigua	Beet Armyworm	MOR	MOR	MORT	LC50		1 d		27.3		ppm	117855
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30 d		0.15		Al lb/acre	88670
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	LOAEL		1 d		0.113		Al kg/ha	113450
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	LOAEL		1 d		0.113		Al kg/ha	113450
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	NR-LETH		1 d		0.113		Al kg/ha	113450
Permethrin	Agrotis	ipsilon	Cutworm	MOR	MOR	MORT	NR-LETH		1 d		0.113		Al kg/ha	113450
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL		7 d		0.1		Al lb/acre	88078
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		7 d		0.1		Al lb/acre	88078
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		7 d		0.1		Al lb/acre	88078
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOAEL		7 d		0.2		Al lb/acre	88078
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	NOAEL		7 d		0.2		Al lb/acre	88078
Permethrin	Plutella	xylostella	Diamondback moth	MOR	MOR	MORT	LC50		3 d		0.005		ppm	88220
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	NOAEL		39 d		100		Al g/ha	96615
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	POP	POP	ABND	LOAEL		28 d		100		Al g/ha	96615
Permethrin	Musca	domestica	House fly	GRO	DVP	EMRG	EC50		7 d		0.38		ug/org	112483
Permethrin	Muscidifurax	raptor	Raptor Fly Parasite	GRO	DVP	EMRG	EC50		7 d		0.08		ug/org	112483
Permethrin	Spalangia	cameroni	Chalcid Wasp	GRO	DVP	EMRG	EC50		14 d		1.4		ug/org	112483
Permethrin	Litopenaeus	vannamei	White shrimp	MOR	MOR	MORT	LOAEL		10 d		23		Al g/378 L	74112
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		0.185		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		0.222		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		0.296		ppm	74115

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		0.556		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		0.815		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		1.185		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		1.708		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		2.261		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LD50		3 d		2.185		ppm	74115
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.11		AI kg/ha	74115
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.11		AI kg/ha	74115
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.11		AI kg/ha	74115
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2 d		0.11		AI kg/ha	74115
Permethrin	Phyllonorycter	blancardella	leafminer	POP	POP	ABND	LOAEL		35 d		212.5		AI g/ha	74136
Permethrin	Phyllonorycter	blancardella	leafminer	POP	POP	ABND	LOAEL		18 d		212.5		AI g/ha	74136
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	NR-LETH		1 d		0.2		AI %	91567
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		56 d		30		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		61 d		30		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		69 d		60		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		68 d		60		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	NOAEL	LOAEL	101 d		30	40	ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	NOAEL	LOAEL	101 d		30	40	ppm	65296
Permethrin	Agrotis	orthogonia	Pale Western Cutworm	POP	POP	ABND	LOEL		d		0.1		AI lb/acre	91439
Permethrin	Sinapis	arvensis	California rape	POP	POP	ABND	NOAEL		21 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	BCM	BCM	OLCO	NOAEL		21 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	GRO	MPH	WGHT	NOAEL		21 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	GRO	MPH	WGHT	NOAEL		14 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	BCM	BCM	OLCO	NOAEL		14 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	POP	POP	ABND	NOAEL		16 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	BCM	BCM	OLCO	NOAEL		16 d		0.09812		lb/acre	63601
Permethrin	Sinapis	arvensis	California rape	GRO	MPH	WGHT	NOAEL		16 d		0.09812		lb/acre	63601
Permethrin	Geocoris	sp.	Big-eye bug	POP	POP	ABND	LOAEL		3 d		0.1		AI lb/acre	87876
Permethrin	Nabis	sp.	Damsel Bug	POP	POP	ABND	LOAEL		1 d		0.1		AI lb/acre	87876

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	NR	Arachnida	Spider/mite class	POP	POP	ABND	LOAEL		3 d		0.1		Al lb/acre	87876
Permethrin	Picea	abies	Norway spruce	GRO	GRO	HGHT	LOEL		2 gs		2		%	98905
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.18		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		0.69		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.38		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		7.17		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.41		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		3.67		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.78		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		10.86		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.23		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		4.06		ug/org	96523
Permethrin	Chironomus	dilutus	Midge	ACC	ACC	RSDE	BCF		4 d				mg/L	117852
Permethrin	Picea	abies	Norway spruce	GRO	DVP	FORM	NOEL		gs		4		%	98905
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.26		ug/org	96523
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		2.13		ug/org	96523
Permethrin	Chironomus	dilutus	Midge	ACC	ACC	RSDE	BCF		4 d				mg/L	117852
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		3 d		0.01		ug/org	96523
Permethrin	Chironomus	dilutus	Midge	MOR	MOR	MORT	LC50		4 d		0.000189		mg/L	117852
Permethrin	Chironomus	dilutus	Midge	MOR	MOR	MORT	LC50		4 d		0.0000585		mg/L	117852
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD95		3 d		0.08		ug/org	96523
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d		20		ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d				ug/g eu	111683
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LC50		2.1667 d				ug/g eu	111683
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612
Permethrin	Mus	musculus	House mouse	BCM	ENZ	P450	NOEL		3 d		100		mg/kg bdwt	92612

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Aedes	aegypti	Yellow fever mosquito	BCM	ENZ	GSTR	NOAEL		3 d		0.001		mg/L	117853
Permethrin	Aedes	aegypti	Yellow fever mosquito	CEL	GEN	GEXP	NOAEL		3 d		0.001		mg/L	117853
Permethrin	Sinapis	arvensis	California rape	POP	POP	ABND	NOAEL		16 d		0.09812		lb/acre	63601
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		1.59		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		21.66		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		20.54		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		20.54		ppm	113257
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		29 d		0.125		AI lb/acre	97876
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		29 d		0.2		AI lb/acre	97876
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		14.69		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		15.29		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		40.38		ppm	113257
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		29 d		0.15		AI lb/acre	97876
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		60.87		ppm	113257
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		29 d		0.15		AI lb/acre	97876
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		39.4		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		52.58		ppm	113257
Permethrin	Pseudoplusia	includens	Soybean looper	MOR	MOR	MORT	LC50		3 d		45.96		ppm	113257
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	7 d		0.0000992	0.000248	mg/L	116836
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		7 d		40		ppm	70972
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		7 d		40		ppm	70972
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	7 d		0.00025	0.001	mg/L	116836
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	LOAEL		7 d		0.00025		mg/L	116836
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	ERAM	NOAEL	LOAEL	7 d		0.00025	0.001	mg/L	116836

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Danio	rerio	Zebra danio	CEL	GEN	VT1M	NOAEL	LOAEL	7	d	0.00025	0.001	mg/L	116836
Permethrin	Heliothis	virescens	Budworm	POP	POP	ABND	LOAEL		7	d	40		ppm	70972
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	CNTL	LOAEL		15	d	40		ppm	70972
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	95806
Permethrin	Cerotoma	trifurcata	Bean Leaf Beetle	POP	POP	ABND	NOAEL		7	d	0.1		Al lb/acre	95806
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	95806
Permethrin	Glycine	max	Soybean	POP	POP	BMAS	NOAEL			hv	0.1		Al lb/acre	95806
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2	d	0.1		Al lb/acre	95806
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	CNTL	LOAEL		20	d	0.2		Al lb/acre	88097
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	CNTL	LOAEL		20	d	0.2		Al lb/acre	88097
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		85	d	150		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		85	d	150		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	LOAEL		14	d	120		ppm	65296
Permethrin	Cacopsylla	pyricola	Pear psyllid	POP	POP	ABND	NOAEL		14	d	240		ppm	65296
Permethrin	Tetranychus	urticae	Two-spotted spider mite	POP	POP	ABND	LOAEL		79	d	30		ppm	65296
Permethrin	Ceutorhynchus	assimilis	Cabbage seedpod weevil	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	96173
Permethrin	Tetranychus	urticae	Two-spotted spider mite	POP	POP	ABND	LOAEL		105	d	150		ppm	65296
Permethrin	Tetranychus	mcdanieli	McDaniel Spider Mite	POP	POP	ABND	LOAEL		7	d	30		ppm	65296
Permethrin	Tetranychus	mcdanieli	McDaniel Spider Mite	POP	POP	ABND	LOAEL		7	d	30		ppm	65296
Permethrin	Metaseiulus	occidentalis	Mite	POP	POP	ABND	LOAEL		28	d	30		ppm	65296
Permethrin	Brassica	napus	Colza	POP	POP	BMAS	NOAEL		65	d	0.1		Al lb/acre	96173
Permethrin	Metaseiulus	occidentalis	Mite	POP	POP	ABND	LOAEL		28	d	30		ppm	65296
Permethrin	Aedes	aegypti	Yellow fever mosquito	BCM	ENZ	P450	LOAEL		1	d	0.0015		mg/L	103761
Permethrin	Aedes	aegypti	Yellow fever mosquito	CEL	GEN	GEXP	LOAEL		1	d	0.0015		mg/L	103761
Permethrin	Phyllotreta	striolata	Striped Flea Beetle	POP	POP	ABND	LOAEL		8	d	0.1		Al lb/acre	88729
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		8	d	0.1		Al lb/acre	88729
Permethrin	Brassica	oleracea	Cabbage	POP	POP	BMAS	NOAEL		42	d	0.1		Al lb/acre	88729
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOEL		33	d	0.1		Al lb/acre	92368
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOEL		33	d	0.1		Al lb/acre	92368
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOEL		33	d	0.1		Al lb/acre	92368

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOEL		33	d	0.1		Al lb/acre	92368
Permethrin	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOEL		33	d	0.1		Al lb/acre	92368
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	NOAEL		6	d	0.112		Al kg/ha	73704
Permethrin	Spodoptera	exigua	Beet Armyworm	POP	POP	ABND	LOAEL		7	d	0.112		Al kg/ha	73704
Permethrin	Phyllotreta	cruciferae	Crucifer flea beetle	POP	POP	ABND	LOAEL		7	d	0.1		Al lb/acre	88841
Permethrin	Brevicoryne	brassicae	Cabbage aphid	POP	POP	ABND	LOAEL		28	d	0.1		Al lb/acre	88841
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		28	d	0.1		Al lb/acre	88841
Permethrin	Geocoris	sp.	Big-eye bug	POP	POP	ABND	NOAEL		2	d	0.112		Al kg/ha	96172
Permethrin	Nabis	sp.	Damsel Bug	POP	POP	ABND	NOAEL		2	d	0.112		Al kg/ha	96172
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	0.018		ug/org	72040
Permethrin	Musca	domestica	House fly	MOR	MOR	MORT	LD50		1	d	0.031		ug/org	72040
Permethrin	Aphis	fabae	Black Bean Aphid	MOR	MOR	MORT	LD50		2	d	18		ug/org	72040
Permethrin	Tetranychus	telarius	Two Spotted Spider Mite	MOR	MOR	MORT	LD50		2	d	16		ug/org	72040
Permethrin	Apis	mellifera	Honey bee	MOR	MOR	MORT	NR-LETH		1	d	0.067712		%	117635
Permethrin	Apis	mellifera	Honey bee	MOR	MOR	MORT	NR-LETH		1	d	0.0736		%	117635
Permethrin	Polistes	dominulus	European Paper Wasp	MOR	MOR	MORT	ZERO		1	d	0.00736		%	117635
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	0.011		ug/org	74111
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	0.28		ug/org	74111
Permethrin	Helicoverpa	virescens	Tobacco Budworm	MOR	MOR	MORT	LD50		3	d	0.24		ug/org	74111
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	NOAEL		2	d	0.112		Al kg/ha	97875
Permethrin	Pseudoplusia	includens	Soybean looper	POP	POP	ABND	LOAEL		2	d	0.112		Al kg/ha	97875
Permethrin	Acrobasis	nuxvorella	Pecan Nut Casebearer	POP	POP	ABND	LOAEL		15	d	50		Al g/ha	117148
Permethrin	Acrobasis	nuxvorella	Pecan Nut Casebearer	POP	POP	ABND	LOAEL		15	d	50		Al g/ha	117148
Permethrin	Apis	mellifera	Honey bee	BEH	FDB	FDNG	LOAEL		1	d	1		mg	53548
Permethrin	Apis	mellifera	Honey bee	MOR	MOR	SURV	NOAEL	LOAEL	2	d	10	100	mg	53548
Permethrin	Lumbriculus	variegatus	Oligochaete, worm	ACC	ACC	RSDE	BCF		14	d	0.00084		mg/L	116334
Permethrin	Rattus	norvegicus	Norway rat	GRO	MPH	WGHT	LOAEL		28	d	2500		ppm	72204
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	APND	LOAEL		28	d	2500		ppm	72204
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	P450	LOAEL		28	d	2500		ppm	72204
Permethrin	Rattus	norvegicus	Norway rat	CEL	CEL	OGNL	LOAEL		28	d	2500		ppm	72204

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Rattus	norvegicus	Norway rat	GRO	MPH	WGHT	NOAEL		730	d	2500		ppm	72204
Permethrin	Rattus	norvegicus	Norway rat	BCM	ENZ	APND	LOAEL		365	d	2500		ppm	72204
Permethrin	Rattus	norvegicus	Norway rat	CEL	CEL	OGNL	LOAEL		365	d	2500		ppm	72204
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		8	d	0.05		Al lb/acre	106450
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		20	d	0.05		Al lb/acre	106450
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	106450
Permethrin	Phyllotreta	striolata	Striped Flea Beetle	POP	POP	ABND	LOAEL		7	d	0.05		Al lb/acre	106450
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3720		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	120		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	2060		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3460		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	4410		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	4800		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3310		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	2070		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	280		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	4970		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3520		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	4800		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	4370		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	2980		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	7690		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	3540		ppm	112473
Permethrin	Leptinotarsa	decemlineata	Colorado potato beetle	MOR	MOR	MORT	LC50		1	d	1920		ppm	112473
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD50		3	d	0.0178		ug/org	117637
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD99		3	d	0.494		ug/org	117637
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	0.0118		Al ug/org	113462
Permethrin	Brassica	oleracea	Broccoli	POP	POP	BMAS	NOAEL			hv	0.05		Al lb/acre	106450
Permethrin	Brassica	oleracea	Broccoli	POP	POP	BMAS	NOAEL			hv	0.05		Al lb/acre	106450
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	0.0121		Al ug/org	113462

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	0.0137		AI ug/org	113462
Permethrin	Pectinophora	gossypiella	Pink bollworm	MOR	MOR	MORT	LD50		2	d	0.0135		AI ug/org	113462
Permethrin	Brassica	oleracea	Broccoli	POP	POP	BMAS	NOAEL			hv	0.05		AI lb/acre	106450
Permethrin	Rattus	norvegicus	Norway rat	BCM	BCM	DOPC	LOAEL			d	1111.2		mg/kg bdwt	92947
Permethrin	Cotesia	sp.	Braconid Wasp	MOR	MOR	MORT	LC50		1	d	0.009		ppm	110008
Permethrin	Rattus	norvegicus	Norway rat	CEL	GEN	DAMG	LOAEL		60	d	150		mg/kg bdwt	117639
Permethrin	Rattus	norvegicus	Norway rat	PHY	IMM	RBST	LOAEL		60	d	150		mg/kg bdwt	117639
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	LOAEL		3	d	30		ppm	113458
Permethrin	Phyllonorycter	blancardella	leafminer	MOR	MOR	MORT	NOAEL		3	d	30		ppm	113458
Permethrin	Rattus	norvegicus	Norway rat	PHY	PHY	PERM	LOAEL		60	d	150		mg/kg bdwt	117639
Permethrin	Spodoptera	frugiperda	Fall armyworm	GRO	GRO	WGHT	LOEL		6	d	5		ppm	90474
Permethrin	Spodoptera	frugiperda	Fall armyworm	GRO	GRO	WGHT	LOEL		12	d	5		ppm	90474
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	NOAEL		64	d	0.11		AI kg/ha	113801
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	NOAEL		44	d	0.11		AI kg/ha	113801
Permethrin	Triticum	aestivum	Bread wheat	POP	POP	ABND	NOAEL			hv	0.0669		lb/acre	92556
Permethrin	Chironomus	decorus	Midge	MOR	MOR	MORT	LC50		1	d	0.0036		mg/L	3671
Permethrin	Dicortendipes	californicus	Midge	MOR	MOR	MORT	LC50		1	d	0.019		mg/L	3671
Permethrin	Cricotopus	sp.	Midge	MOR	MOR	MORT	LC50		1	d	0.0045		mg/L	3671
Permethrin	Nitocra	spinipes	Harpacticoid copepod	MOR	MOR	MORT	LC50		4	d	0.0006		mg/L	5185
Permethrin	Alburnus	alburnus	Bleak	MOR	MOR	MORT	LC50		4	d			mg/L	5185
Permethrin	Tanytarsus	sp.	Midge	MOR	MOR	MORT	LC50		1	d	0.000033		mg/L	5559
Permethrin	Chironomus	decorus	Midge	MOR	MOR	MORT	LC50		1	d	0.0065		mg/L	5559
Permethrin	Goeldichironomus	holoprasinus	Midge	MOR	MOR	MORT	LC50		1	d	0.0008		mg/L	5559
Permethrin	Glyptotendipes	paripes	Midge	MOR	MOR	MORT	LC50		1	d	0.0009		mg/L	5559
Permethrin	Tropocyclops	prasinus	Copepod	POP	POP	ABND	LOEC		30	d	0.0015		mg/L	12918
Permethrin	Tropocyclops	prasinus	Copepod	POP	POP	ABND	NOEC		30	d	0.00075		mg/L	12918
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD50		3	d	0.0144		ug/org	117637
Permethrin	Anthonomus	grandis	Boll Weevil	MOR	MOR	MORT	LD90		3	d	0.117		ug/org	117637
Permethrin	Cydia	caryana	Hickory Shuckworm	POP	POP	ABND	LOAEL		8	d	50		AI g/ha	117148
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.0021		mg/L	92986

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0041		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		8.7		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		6		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.43		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.97		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0014		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00095		mg/L	92986
Permethrin	Acantholyda	erythrocephala	Pine false webworm	MOR	MOR	MORT	LOAEL		12 d		25		AI g/ha	99803
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.017622		mg/L	94523
Permethrin	Acantholyda	erythrocephala	Pine false webworm	POP	POP	ABND	LOAEL		d		35		AI g/ha	99803
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.030096		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.031284		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.024057		mg/L	94523
Permethrin	Acantholyda	erythrocephala	Pine false webworm	POP	POP	ABND	LOAEL		d		35		AI g/ha	99803
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.022077		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.023661		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.016137		mg/L	94523
Permethrin	Acantholyda	erythrocephala	Pine false webworm	POP	POP	ABND	LOAEL		d		35		AI g/ha	99803
Permethrin	Acantholyda	erythrocephala	Pine false webworm	POP	POP	ABND	LOAEL		d		35		AI g/ha	99803
Permethrin	Acantholyda	erythrocephala	Pine false webworm	POP	POP	ABND	LOAEL		d		35		AI g/ha	99803
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.024156		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.036828		mg/L	94523
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.026928		mg/L	94523
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	LOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.026532		mg/L	94523
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	TKNO	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC50		1 d		0.030492		mg/L	94523
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		1 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		1 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		1 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		1 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		0.1667 d		18.2896		ml/929 cm2	117717
Permethrin	Alphitobius	diaperinus	Lesser Mealworm	MOR	MOR	MORT	NOAEL		1 d		18.2896		ml/929 cm2	117717
Permethrin	Coleotechnites	milleri	Lodgepole Needleminer	POP	POP	ABND	LOAEL		d		57		Al g/378 L	99767
Permethrin	Aedes	polynesiensis	Polynesian Mosquito	MOR	MOR	MORT	LC95		1 d		0.049203		mg/L	94523
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.061875		mg/L	94523
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.010692		mg/L	94523
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		1 d		0.004653		mg/L	94523
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		1 d		0.008613		mg/L	94523
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		1 d		0.031383		mg/L	94523
Permethrin	Medicago	sativa	Alfalfa	POP	POP	DBMS	NOAEL		64 d		0.09812		lb/acre	113801
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50		1 d		0.02079		mg/L	94523
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC50		1 d		0.0099		mg/L	94523
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC95		1 d		0.026928		mg/L	94523
Permethrin	Culex	pipiens	Mosquito	MOR	MOR	MORT	LC95		1 d		0.083952		mg/L	94523
Permethrin	Medicago	sativa	Alfalfa	POP	POP	DBMS	NOAEL		44 d		0.09812		lb/acre	113801
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	CNTL	LOAEL		1 d		0.1		Al lb/acre	88854
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	CNTL	LOAEL		1 d		0.1		Al lb/acre	88854
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	CNTL	LOAEL		1 d		0.1		Al lb/acre	88661
Permethrin	Zygogramma	exclamationis	Sunflower Beetle	POP	POP	ABND	LOAEL		1 d		0.01		Al lb/acre	88659
Permethrin	Zygogramma	exclamationis	Sunflower Beetle	POP	POP	ABND	LOAEL		1 d		0.01		Al lb/acre	88659
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00044		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00033		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0047		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0081		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.025		ug/org	92986

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.031		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00085		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0011		ug/org	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0014		mg/L	92986
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		4.1		mg/L	92986
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		2 d		0.27463		ng/cm2	101958
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		3 d		0.0015152		mg/L	101958
Permethrin	NR	Chrysomelidae	Leaf beetle family	POP	POP	ABND	NOAEL		1 d		0.1		Al lb/acre	88802
Permethrin	Ipomoea	batatas	Sweet potato	POP	POP	BMAS	NOAEL		75 d		0.03		Al %	92550
Permethrin	Dioryctria	amatella	Southern Pine Coneworm	MOR	MOR	MORT	LD50		7 d		13		ppm	106194
Permethrin	Dioryctria	amatella	Southern Pine Coneworm	MOR	MOR	MORT	LD50		7 d		58		ppm	106194
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		49 d		0.084		Al kg/ha	108490
Permethrin	Sorghum	sp.	Sorghum	POP	POP	BMAS	NOAEL		hv		0.09812		lb/acre	108490
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	NOAEL	LOAEL	49 d		0.084	0.11	Al kg/ha	108490
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	LOAEL		49 d		0.11		Al kg/ha	108490
Permethrin	Cavia	porcellus	Guinea Pig	BEH	BEH	NMVM	NOAEL		0.25 d		10		%	109593
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LD50		1 d		0.000135		ug/org	111057
Permethrin	Anopheles	gambiae	Mosquito	MOR	MOR	MORT	LD50		1 d		0.00005		ug/org	111057
Permethrin	Anopheles	albimanus	Mosquito	MOR	MOR	MORT	LD50		1 d		0.000027		ug/org	111057
Permethrin	Anopheles	albimanus	Mosquito	MOR	MOR	MORT	LC50		1 d		0.000075		mg/L	111057
Permethrin	Anopheles	gambiae	Mosquito	MOR	MOR	MORT	LC50		1 d		0.000395		mg/L	111057
Permethrin	Anopheles	stephensi	Mosquito	MOR	MOR	MORT	LC50		1 d		0.000385		mg/L	111057
Permethrin	NR	Scorpiones	escorpi o	MOR	MOR	MORT	NR-LETH		1 d		0.3		%	111802
Permethrin	NR	Scorpiones	escorpi o	MOR	MOR	MORT	ZERO		##### d		0.3		%	111802
Permethrin	Earias	insulana	Egyptian Stemborer	MOR	MOR	MORT	LD50		0.5833 d		71		ng/cm2	108511
Permethrin	Earias	insulana	Egyptian Stemborer	MOR	MOR	MORT	LD90		0.5833 d		240		ng/cm2	108511
Permethrin	Camponotus	pennsylvanicus	Black Carpenter Ant	MOR	MOR	MORT	LC50		1 d		0.4042		ug/eu	109064
Permethrin	Camponotus	novaeboracensis	Red Carpenter Ant	MOR	MOR	MORT	LC50		1 d		0.4794		ug/eu	109064
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0016		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0015		mg/L	103909

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0056		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		12.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.015		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0044		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0022		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0018		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0017		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0049		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0077		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0018		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0005		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.00092		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.13		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.012		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		33		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		5.4		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0022		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0072		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.02		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0023		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.05		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		2.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		1.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.16		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.87		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		16.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		7.6		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.96		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.83		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		9.1		mg/L	103909

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.44		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		5.3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		33.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.011		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.22		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.016		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.057		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.23		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.059		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.71		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.019		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.13		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0024		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0056		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0065		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0038		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0042		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0082		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.092		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0097		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.31		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		5.3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		16		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		1.8		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0005		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.001		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0048		mg/L	103909

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0012		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0025		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.012		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.018		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0035		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0043		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0094		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.014		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0046		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0063		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.018		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.017		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0053		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.05		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		1.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		5.6		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.42		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		2.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.066		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0057		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.17		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.91		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		8.7		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.8		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		1.4		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		11		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.13		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.012		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.037		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.087		mg/L	103909

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.74		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.13		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.17		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.62		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		10		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.93		mg/L	103909
Permethrin	Heliothis	sp.	Budworm	POP	POP	ABND	LOAEL		13 d		0.056		AI kg/ha	48560
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.003648		mg/L	66182
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		9.12		mg/L	66182
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		17		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0022		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0072		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.02		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0023		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.05		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		2.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		1.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.16		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.87		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		16.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		7.6		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.96		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.83		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		9.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.44		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		5.3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		33		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.0072		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0022		mg/L	103909

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.0023		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		0.02		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		2.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.05		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.16		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		1.9		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		16.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.87		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.96		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		7.6		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		9.1		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.83		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.44		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		3		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC95		1 d		33		mg/L	103909
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		5.3		mg/L	103909
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		29 d		0.15		AI lb/acre	97876
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL	LOAEL	29 d		0.125	0.15	AI lb/acre	97876
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		22 d		0.15		AI lb/acre	97187
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	CNTL	LOAEL			hv	0.1		AI lb/acre	88672
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL			hv	0.15		AI lb/acre	88272
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LC50		7 d		19.1		AI kg/ha	74109
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LC50		7 d		7.47		AI kg/ha	74109
Permethrin	Pieris	rapae	Cabbage white	POP	POP	ABND	LOAEL		7 d		0.1		AI lb/acre	88078
Permethrin	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	LOAEL		7 d		0.1		AI lb/acre	88078
Permethrin	Brassica	oleracea	Cabbage	GRO	GRO	WGHT	NOAEL		61 d		0.2		AI lb/acre	88078
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.00198		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.000891		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1 d		0.001485		mg/L	114701

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001386		mg/L	114701
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	NOAEL		24	d	0.15		AI lb/acre	88209
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001287		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001485		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001782		mg/L	114701
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	NOAEL		23	d	0.15		AI lb/acre	88209
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.000594		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001386		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.000891		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001287		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001188		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001188		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001089		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.002871		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001584		mg/L	114701
Permethrin	Culex	quinquefasciatus	Southern house mosquito	MOR	MOR	MORT	LC50		1	d	0.001881		mg/L	114701
Permethrin	Ephestia	kuehniella	Mediterranean Flour Beetle	MOR	MOR	MORT	LD50		2	d	0.1		ppm	70625
Permethrin	Venturia	canescens	Parasitic Wasp	MOR	MOR	MORT	LD50		2	d	1.4		ppm	70625
Permethrin	Ephestia	kuehniella	Mediterranean Flour Beetle	MOR	MOR	MORT	LD50		6	d	3.2		ppm	70625
Permethrin	Ephestia	kuehniella	Mediterranean Flour Beetle	MOR	MOR	MORT	LD50		6	d	0.48		mg/kg bdwt	70625
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		2	d	0.15		AI lb/acre	88130
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		4	d	0.2		AI lb/acre	79799
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		4	d	0.2		AI lb/acre	79799
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		4	d	0.2		AI lb/acre	79799
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL			d	0.165		AI kg/ha	79800
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL			d	0.165		AI kg/ha	79800
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL			d	0.165		AI kg/ha	79800
Permethrin	Cochylis	hospes	Banded sunflower moth	POP	POP	ABND	LOAEL			hv	0.168		AI kg/ha	79761
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	NOAEL		1	d	0.2		AI lb/acre	88710
Permethrin	Helianthus	annuus	Common annual sunflower	POP	POP	BMAS	NOAEL			hv	0.149856		lb/acre	79761

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Helianthus	annuus	Common annual sunflower	POP	POP	BMAS	NOAEL			hv	0.149856		lb/acre	79761
Permethrin	Thrips	tabaci	Onion thrip	POP	POP	ABND	LOAEL		1	d	0.1		Al lb/acre	88723
Permethrin	Allium	cepa	Common onion	POP	POP	BMAS	NOAEL			hv	0.2		Al lb/acre	88723
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		32	d	0.1		Al lb/acre	88724
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	NR-LETH		7	d	99.86		ug/cm2	116099
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30	d	0.15		Al lb/acre	88852
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30	d	0.15		Al lb/acre	88852
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		30	d	0.15		Al lb/acre	88852
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	ABND	LOAEL			d	0.1		Al lb/acre	88853
Permethrin	Pseudaletia	unipuncta	Armyworm	POP	POP	ABND	LOAEL			d	0.1		Al lb/acre	88853
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	88856
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	88856
Permethrin	Plathypena	scabra	Green Cloverworm	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	88856
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		3	d	0.1		Al lb/acre	88856
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LC50		1	d	0.49		Al ug/cm2	71409
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		7	d	0.1		Al lb/acre	88857
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LC95		1	d	3.028		Al ug/cm2	71409
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		5	d	0.1		Al lb/acre	88858
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LC95		1	d	43.692		Al ug/cm2	71409
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	LC50		1	d	9.178		Al ug/cm2	71409
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	ZERO		1	d	3.028		Al ug/cm2	71409
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	NR-LETH		1	d	3.028		Al ug/cm2	71409
Permethrin	Sitophilus	zeamais	Weevil	MOR	MOR	MORT	NR-LETH		1	d	3.028		Al ug/cm2	71409
Permethrin	Helicoverpa	zea	Corn earworm	POP	POP	ABND	LOAEL		18	d	0.1		Al lb/acre	79278
Permethrin	Ostrinia	nubilalis	European corn borer	POP	POP	ABND	LOAEL		18	d	0.1		Al lb/acre	79278
Permethrin	Spodoptera	frugiperda	Fall armyworm	POP	POP	ABND	NOAEL		18	d	0.2		Al lb/acre	79278
Permethrin	NR	Lepidoptera	Moth and butterfly order	POP	POP	ABND	LOAEL		18	d	0.1		Al lb/acre	79278
Permethrin	Hypera	postica	Weevil	POP	POP	ABND	LOAEL		4	d	0.113		Al kg/ha	79795
Permethrin	Acanthoscelides	obtectus	Bean weevil	MOR	MOR	MORT	LC50		3	d	0.55		ppm	70523
Permethrin	Acanthoscelides	obtectus	Bean weevil	MOR	MOR	MORT	LC99		3	d	2.2		ppm	70523

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Spodoptera	litura	Common cutworm	MOR	MOR	MORT	LD50		1 d		2.49		ppm	63864
Permethrin	Spodoptera	litura	Common cutworm	MOR	MOR	MORT	LD50		1 d		1.34		ppm	63864
Permethrin	Spodoptera	litura	Common cutworm	MOR	MOR	MORT	LD50		1 d		1.61		ppm	63864
Permethrin	Diacrisia	obliqua	Bihar Hairy Moth	MOR	MOR	MORT	LC50		1 d		0.006029		%	64412
Permethrin	Cucumis	melo	Cantaloupe	REP	REP	INFL	NOAEL		78 d		0.15164		lb/acre	111323
Permethrin	Cucumis	melo	Cantaloupe	GRO	GRO	WGHT	NOAEL		78 d		0.15164		lb/acre	111323
Permethrin	Cucumis	melo	Cantaloupe	GRO	MPH	WGHT	NOAEL		78 d		0.15164		lb/acre	111323
Permethrin	Lymantria	dispar	European gypsy moth	MOR	MOR	MORT	LD50		1 d		0.002		ug/org	99802
Permethrin	Lymantria	dispar	European gypsy moth	MOR	MOR	MORT	LD95		1 d		0.0042		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD50		1 d		0.0061		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD95		1 d		0.019		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD50		1 d		0.0065		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD95		1 d		0.019		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD50		1 d		0.02		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD95		1 d		0.044		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD50		1 d		0.031		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD95		1 d		0.063		ug/org	99802
Permethrin	Lymantria	dispar	European gypsy moth	MOR	MOR	MORT	LD50		1 d		0.0017		ug/org	99802
Permethrin	Lymantria	dispar	European gypsy moth	MOR	MOR	MORT	LD95		1 d		0.0037		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD50		1 d		0.0086		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD95		1 d		0.031		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD50		1 d		0.0069		ug/org	99802
Permethrin	Compsilura	concinata	Tachinid Fly	MOR	MOR	MORT	LD95		1 d		0.021		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD50		1 d		0.024		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD95		1 d		0.053		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD50		1 d		0.041		ug/org	99802
Permethrin	Brachymeria	tibialis	Chalcid Wasp	MOR	MOR	MORT	LD95		1 d		0.114		ug/org	99802
Permethrin	Ostrinia	nubilalis	European corn borer	MOR	MOR	MORT	LD50		1 d		7.92		ppm	87626
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	NR-LETH		3 d		22.7		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LOAEL		3 d		22.7		AI g/378 L	112747

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	NR-LETH		1 d		0.002		mg/L	116328
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC50		1 d		0.00028		mg/L	116328
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LC95		1 d		0.00055		mg/L	116328
Permethrin	Aedes	aegypti	Yellow fever mosquito	MOR	MOR	MORT	LD50		1 d		4.9E-08		ppm	116328
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LOAEL		4 d		22.7		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LOAEL		4 d		22.7		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	NR-LETH		4 d		22.7		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LC95		4 d		11.3		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LC50		4 d		4		AI g/378 L	112747
Permethrin	Platynota	idaeusalis	Tufted apple bud moth	MOR	MOR	MORT	LC20		4 d		0.27		AI g/378 L	112747
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	STLT	ED50		0.0625 d		102.7		mg/kg bdwt	115225
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	STLT	LOAEL		0.0625 d		60		mg/kg bdwt	115225
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	ACTV	NOAEL	LOAEL	0.0625 d		100	200	mg/kg bdwt	115225
Permethrin	Rattus	norvegicus	Norway rat	BEH	BEH	ACTV	ED50		0.0625 d		160		mg/kg bdwt	115225
Permethrin	Heliothis	sp.	Budworm	POP	POP	ABND	LOAEL		13 d		0.056		AI kg/ha	48560
Permethrin	Heliothis	sp.	Budworm	POP	POP	ABND	LOAEL		42 d		0.1		AI kg/ha	48560
Permethrin	Anthonomus	grandis	Boll weevil	POP	POP	ABND	LOAEL		42 d		0.1		AI kg/ha	48560
Permethrin	Gossypium	hirsutum	Cotton	POP	POP	BMAS	NOAEL			hv	0.09812		lb/acre	48560
Permethrin	Gossypium	hirsutum	Cotton	POP	POP	BMAS	NOAEL			hv	0.09812		lb/acre	48560
Permethrin	Anthonomus	grandis	Boll weevil	POP	POP	ABND	NOAEL		61 d		0.11		AI kg/ha	48560
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		0.42		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		13.68		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		4.45		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		14.73		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		4.55		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		5.45		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		3.75		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		4.14		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		14.5		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2 d		13.5		ppm	113463

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Pref.	Dur Unit Pref.	Conc #1 Pur. Adj. Pref. Unit	Conc #2 Pur. Adj. Pref. Unit	Conc Units Preferred	Ref #
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	21.43		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	19.25		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	5.5		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	5.45		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	11		ppm	113463
Permethrin	Heliothis	virescens	Budworm	MOR	MOR	MORT	LD50		2	d	7		ppm	113463
Permethrin	Anthonomus	grandis	Boll weevil	POP	POP	ABND	NOAEL		61	d	0.22		AI kg/ha	48560