

APPENDIX I: Accepted ECOTOX Data Table (sorted by effect)

The code list for ECOTOX can be found at: <http://cfpub.epa.gov/ecotox/blackbox/help/codelist.pdf>

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	ACC	ACC	GACC	BCF		4 d		5.6		mg/L	100	14927
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	ACC	ACC	GACC	BCF		4 d		10		mg/L	100	14927
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	ACC	ACC	GACC	BCF		4 d		32		mg/L	100	14927
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	ACC	ACC	GACC	BCF		4 d		56		mg/L	100	14927
Methidathion	Venus	gallina	Mollusc	ACC	ACC	GACC	BCF		4 d		3.2		mg/L	100	14927
Methidathion	Venus	gallina	Mollusc	ACC	ACC	GACC	BCF		4 d		5.6		mg/L	100	14927
Methidathion	Venus	gallina	Mollusc	ACC	ACC	GACC	BCF		4 d		10		mg/L	100	14927
Methidathion	Venus	gallina	Mollusc	ACC	ACC	GACC	BCF		4 d		32		mg/L	100	14927
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	ACC	ACC	GACC	BCF		4 d		3.2		mg/L	100	14927
Methidathion	Milax	rusticus	Slug	BCM	BCM	WTCO	LOAEL		6 d		50		ppm	40	87865
Methidathion	Milax	sowerbyi	Slug	BCM	BCM	WTCO	LOAEL		6 d		50		ppm	40	87865
Methidathion	Rattus	norvegicus	Norway rat	BCM	BCM	MLDH	LOAEL		28 d		5		mg/kg bdwt	100	102695
Methidathion	Rattus	norvegicus	Norway rat	BCM	BCM	MLDH	LOAEL		28 em		5		mg/kg bdwt	100	80451
Methidathion	Mus	musculus	House mouse	CEL	CEL	PCCM	NOAEL		2 em		27.4725		mg/kg bdwt	99.9	86667
Methidathion	Mus	musculus	House mouse	CEL	CEL	PCCM	NOAEL		2 em		24.975		mg/kg bdwt	99.9	86667
Methidathion	Bos	taurus	Domesticated cattle	CEL	CEL	TWBC	NOAEL		70 em		2		mg/kg bdwt	100	38368

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Columba	livia	rock dove	BCM	ENZ	CEST	NOAEL		5	em	9.92		mg/kg bdwt	99.2	39994
Methidathion	Bos	taurus	Domesticated cattle	BCM	ENZ	GOTR	NOAEL		70	em	2		mg/kg bdwt	100	38368
Methidathion	Columba	sp.	Pigeon	BCM	ENZ	CEST	LOAEL			em	10		mg/kg bdwt	100	37077
Methidathion	Columba	sp.	Pigeon	BCM	ENZ	ACHE	ID50		5	em	10		mg/kg bdwt	100	37077
Methidathion	Columba	sp.	Pigeon	BCM	ENZ	CEST	LOAEL		0.333333	em	21		mg/kg bdwt	100	37077
Methidathion	Rattus	norvegicus	Norway rat	BCM	ENZ	ACHE	LOAEL		28	em	5		mg/kg bdwt	100	80451
Methidathion	Milax	rusticus	Slug	GRO	GRO	WGHT	LOAEL		6	em	50		ppm	40	87865
Methidathion	Milax	sowerbyi	Slug	GRO	GRO	WGHT	LOAEL		6	em	50		ppm	40	87865
Methidathion	Bos	taurus	Domesticated cattle	GRO	GRO	GAIN	NOAEL		70	em	2		mg/kg bdwt	100	38368
Methidathion	Colpoclypeus	florus	Eulophid wasp	MOR	MOR	MORT	NR-LETH		2	em	30		ppm	100	63713
Methidathion	Trichogramma	platneri	Parasitic wasp	MOR	MOR	MORT	NR-LETH		2	em	30		ppm	100	63713
Methidathion	Colpoclypeus	florus	Eulophid wasp	MOR	MOR	MORT	LOAEL		2	d	30		ppm	100	63713
Methidathion	Trichogramma	platneri	Parasitic wasp	MOR	MOR	MORT	LOAEL		2	d	30		ppm	100	63713
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	NR-LETH		1	d	0.825		ai kg/ha	100	91624
Methidathion	Nomia	melanderi	Alkali bee	MOR	MOR	MORT	NR-LETH		1	gs	0.825		ai kg/ha	100	91624
Methidathion	Megachile	rotundata	Alfalfa leafcutter bee	MOR	MOR	MORT	NR-LETH		1	gs	0.825		ai kg/ha	100	91624
Methidathion	Branta	canadensis	canada goose	MOR	MOR	MORT	LD50		14	gs	8.41(4.2 TO 16.8)		mg/kg bdwt	98.2	50386
Methidathion	Anas	platyrhynchos	Mallard duck	MOR	MOR	MORT	LD50		14	gs	23.6(16.5 TO 33.8)		mg/kg bdwt	98.2	50386

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Phasianus	colchicus	ring-necked pheasant	MOR	MOR	MORT	LD50		14	d	33.2(17.3 TO 63.5)		mg/kg bdwt	98.2	50386
Methidathion	Alectoris	chukar	Chukar	MOR	MOR	MORT	LD50		14	d	225(178 TO 283)		mg/kg bdwt	98.2	50386
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD10		NA	d	0.058		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD50		NA	d	0.228		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD90		NA	d	0.903		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD10		NA	d	0.054		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD50		NA	d	0.224		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD90		NA	d	0.57		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD10		NA	d	0.081		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD50		NA	d	0.416		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD90		NA	d	2.135		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD10		NA	d	0.058		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD50		NA	d	0.274		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD90		NA	d	1.28		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD10		NA	d	0.162		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD50		NA	d	0.237		ug/org	100	70351
Methidathion	Apis	mellifera	Honey bee	MOR	MOR	MORT	LD90		NA	d	0.335		ug/org	100	70351
Methidathion	Coturnix	japonica	Japanese quail	MOR	MOR	MORT	NR-LETH		>5	d	1595		ppm	99	50181
Methidathion	Milax	rusticus	Slug	MOR	MOR	SURV	NOAEL		6	d	50		ppm	40	87865

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Milax	sowerbyi	Slug	MOR	MOR	SURV	NOAEL		6 d		50		ppm	40	87865
Methidathion	Mus	musculus	House mouse	MOR	MOR	MORT	NR-ZERO		2 d		27.4725		mg/kg bdwt	99.9	86667
Methidathion	Mus	musculus	House mouse	MOR	MOR	MORT	NR-ZERO		2 d		24.975		mg/kg bdwt	99.9	86667
Methidathion	Trioxys	complanatus	Parasitic Wasp	MOR	MOR	MORT	LOAEL		1 d		350		ai g/ha	40	36687
Methidathion	Trioxys	complanatus	Parasitic Wasp	MOR	MOR	MORT	NR-LETH		1 d		350		ai g/ha	40	36687
Methidathion	Trioxys	complanatus	Parasitic Wasp	MOR	MOR	MORT	LOAEL		>1 d		350		ai g/ha	40	36687
Methidathion	Columba	sp.	Pigeon	MOR	MOR	MORT	NR-LETH		5 d		40		mg/kg bdwt	100	37077
Methidathion	Columba	sp.	Pigeon	MOR	MOR	MORT	NR-ZERO		5 d		15		mg/kg bdwt	100	37077
Methidathion	Mus	musculus	House mouse	MOR	MOR	MORT	LD50		1 d		10.5		mg/kg bdwt	100	85173
Methidathion	Culex	pipiens	Mosquito	MOR	MOR	MORT	NR-LETH		1 d		0.1		kg/ha	100	2875
Methidathion	Anguilla	anguilla	Common eel	MOR	MOR	MORT	LC50		2 d		2.28		mg/L	100	11055
Methidathion	Anguilla	anguilla	Common eel	MOR	MOR	MORT	LC50		1 d		3.87		mg/L	100	11055
Methidathion	Anguilla	anguilla	Common eel	MOR	MOR	MORT	LC50		3 d		1.84		mg/L	100	11055
Methidathion	Anguilla	anguilla	Common eel	MOR	MOR	MORT	LC50		4 d		1.51		mg/L	100	11055
Methidathion	Brachionus	plicatilis	Rotifer	MOR	MOR	MORT	LC50		1 d		36		mg/L	100	12646
Methidathion	Brachionus	plicatilis	Rotifer	MOR	MOR	MORT	LC50		1 d		42		mg/L	100	12646
Methidathion	Brachionus	plicatilis	Rotifer	MOR	MOR	MORT	LC50		1 d		49		mg/L	100	12646
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	MOR	MOR	MORT	NOEC		4 d		6.2		mg/L	100	14927
Methidathion	Mytilus	galloprovincialis	Mediterranean mussel	MOR	MOR	MORT	LC50		4 d		30.1		mg/L	100	14927

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Lygus	lineolaris	Tarnished plant bug	MOR	MOR	MORT	LC50		1 d		12		ppm	100	37837
Methidathion	Empoasca	fabae	Potato leafhopper	MOR	MOR	MORT	LC50		1 d		8.16		ppm	100	37837
Methidathion	Nabis	americoferus	Damsel bug	MOR	MOR	MORT	LC50		1 d		79.82		ppm	100	37837
Methidathion	Lumbricus	terrestris	Earthworm	MOR	MOR	MORT	LC50		14 d		18.9		mg/kg soil	100	40493
Methidathion	Eisenia	andrei	Earthworm	MOR	MOR	MORT	LC50		14 d		1.92		mg/kg soil	40	40544
Methidathion	Trioxys	pallidus	Parasitic Wasp	MOR	MOR	MORT	NR-ZERO		0.166667 d		2.24		AI kg/3741 L/ha	100	68131
Methidathion	Trioxys	pallidus	Parasitic Wasp	MOR	MOR	MORT	NR-LETH		0.75 d		2.24		AI kg/2338 L/ha	100	68131
Methidathion	Trioxys	pallidus	Parasitic Wasp	MOR	MOR	MORT	NR-ZERO		0.166667 d		2.24		AI kg/2338 L/ha	100	68131
Methidathion	Trioxys	pallidus	Parasitic Wasp	MOR	MOR	MORT	NR-LETH		3 d		1.68		AI kg/1122 L/ha	100	68131
Methidathion	Trioxys	pallidus	Parasitic Wasp	MOR	MOR	MORT	NR-LETH		2 d		1.68		AI kg/1122 L/ha	100	68131
Methidathion	Rattus	norvegicus	Norway rat	GRO	MPH	DMTR	LOAEL		28 d		5		mg/kg bdwt	100	102695
Methidathion	Rattus	norvegicus	Norway rat	GRO	MPH	DMTR	LOAEL		28 d		5		mg/kg bdwt	100	80451
Methidathion	Zea	mays	Corn	PHY	PHY	PSYN	LOAEL		3 d		0.49952		lb/acre	2	64451
Methidathion	Agromyza	frontella	Alfalfa Blotch Leaf Miner	POP	POP	ABND	LOAEL		55 d		0.25		AI kg/ha	100	99781
Methidathion	Medicago	sativa	Alfalfa	POP	POP	DBMS	NOAEL		55 d		0.446		lb/acre	100	99781

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred	Dur Unit Preferred	Conc Value1 Preferred	Conc Value2 Preferred	Conc Units Preferred	% Purity	Ref #
Methidathion	Agromyza	frontella	Alfalfa Blotch Leaf Miner	POP	POP	ABND	NOAEL		<=1	d	0.5		Al kg/ha	25	99781
Methidathion	Medicago	sativa	Alfalfa	POP	POP	DBMS	NOAEL		<=1	d	0.446		lb/acre	25	99781
Methidathion	Agromyza	frontella	Alfalfa Blotch Leaf Miner	POP	POP	ABND	LOAEL		<=1	d	0.5		Al kg/ha	25	99781
Methidathion	Medicago	sativa	Alfalfa	POP	POP	DBMS	NOAEL		<=1	d	0.446		lb/acre	25	99781