

APPENDIX I: Accepted ECOTOX Data Table

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

January, 2010 Query:

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Dur Unit Preferred	Dur Preferred Mean	Conc #1 Purity Adjusted in Preferred Unit Mean	Conc Units Preferred	% Purity	Ref #
EPTC	Abutilon	theophrasti	Butter print	GRO	GRO	LGTH	LOAEL	d	4	20	ppm	>=95	106960
EPTC	Tilapia	nilotica	Nile tilapia	MOR	MOR	MORT	LC50	d	2	308	mg/L	100	4651
EPTC	Tilapia	nilotica	Nile tilapia	MOR	MOR	MORT	LC50	d	1	395	mg/L	100	4651
EPTC	Carassius	carassius	Crucian carp	MOR	MOR	MORT	LC50	d	2	190	mg/L	100	4651
EPTC	Carassius	carassius	Crucian carp	MOR	MOR	MORT	LC50	d	1	342	mg/L	100	4651
EPTC	Rotylenchulus	reniformis	Kidney-shaped nematode	POP	POP	ABND	NOEL	d	40	360	mg/eu	100	72021
EPTC	Fusarium	oxysporum	Fungi	POP	POP	ABND	NOAEL	d	4	20	ppm	>=95	106960
EPTC	Rotylenchulus	reniformis	Kidney-shaped nematode	REP	REP	PROG	NOEL	d	40	360	mg/eu	100	72021
EPTC	Abutilon	theophrasti	Butter print	REP	REP	VIAB	LOAEL	d	4	20	ppm	>=95	106960

January, 2008 Query:

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred Mean	Dur Unit Preferred	Conc #1 Purity Adjusted in Preferred Unit Mean	Conc Units Preferred	% Purity	Ref #
EPTC	Rattus	norvegicus	Norway rat	BCM	BCM	BGBN	LOAEL		6	d	99	mg/kg bdwt	>99	74324
EPTC	Plutella	xylostella	Diamondback moth	BEH	BEH	ACTV	LOAEL		4	ins	10.4	AI mg	100	98227
EPTC	NR	Nemata	Nematode phylum	BEH	BEH	PNPY	NOAEL		21	d	1800	AI g/ha	100	98825
EPTC	Rattus	norvegicus	Norway rat	BCM	ENZ	ESTE	LOAEL		6	d	99	mg/kg bdwt	>99	74324
EPTC	Mus	musculus	House mouse	BCM	ENZ	GSTR	NOAEL		0.0625	d	100	mg/kg bdwt	100	79085
EPTC	Rattus	norvegicus	Norway rat	BCM	ENZ	ALDH	ID50		0.3	d	5.2	mg/kg bdwt	>96	73593
EPTC	Mus	musculus	House mouse	CEL	GEN	CABR	LOAEL		7	d	1	%	100	98826
EPTC	Lemna	aequinoctiales	Duckweed	GRO	GRO	GRRT	EC50		7	d	62.34	uM	100	72796
EPTC	Sorghum	bicolor	Sudangrass	GRO	GRO	LGTH	EC50		6	d	6.87	1e-5 M	100	42840
EPTC	Cucumis	sativus	Cucumber	GRO	GRO	LGTH	EC50		5	d	4.01	1e-5 M	100	42840
EPTC	Phaseolus	vulgaris	Bean	GRO	GRO	GREI	NOAEL		48	d	2.99712	lb/acre	100	98330
EPTC	Phaseolus	vulgaris	Bean	GRO	GRO	GREI	NOAEL		48	d	2.99712	lb/acre	100	98330
EPTC	Phaseolus	vulgaris	Bean	GRO	GRO	GREI	NOAEL		48	d	2.99712	lb/acre	100	98330
EPTC	Calendula	sp.	Marigold	GRO	GRO	WGHT	NOAEL	LOAEL	84	d	1	ml/m2	100	98742
EPTC	Calendula	sp.	Marigold	GRO	GRO	WGHT	NOAEL		56	d	1	ml/m2	100	98742
EPTC	Phaseolus	vulgaris	Bean	PHY	IMM	IFCT	NOAEL			hv	3.4	kg	100	98843
EPTC	Phaseolus	vulgaris	Bean	PHY	IMM	IFCT	NOAEL			hv	3.4	kg	100	98843

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred Mean	Dur Unit Preferred	Conc #1 Purity Adjusted in Preferred Unit Mean	Conc Units Preferred	% Purity	Ref #
EPTC	Brassica	oleracea	Cabbage	PHY	INJ	DAMG	NOAEL		18	d	160	AI mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	PHY	INJ	DAMG	NOAEL		26	d	80	mg/org	100	98228
EPTC	Brassica	oleracea	Cabbage	PHY	INJ	DAMG	NOAEL		40	d	20	mg/org	100	98228
EPTC	Brassica	oleracea	Cabbage	PHY	INJ	DAMG	NOAEL			hv	160	AI mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	PHY	INJ	DAMG	NOAEL			hv	160	AI mg/org	95	98228
EPTC	Chironomus	riparius	Midge	PHY	ITX	IMBL	EC50		2	d	56	mg/L	100	3914
EPTC	Chironomus	riparius	Midge	PHY	ITX	IMBL	EC50		1	d	100	mg/L	100	3914
EPTC	Dunaliella	bioculata	Green algae	MOR	MOR	MORT	NR-LETH		2	d	100	uM	100	13100
EPTC	Penaeus	setiferus	Northern white shrimp	MOR	MOR	MORT	EC50		2	d	0.63	mg/L	100	14134
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	LOAEL		4	ins	10.4	AI mg	100	98227
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	LOAEL		4	ins	10.4	AI mg	100	98227
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	NOAEL		4	ins	20.8	AI mg	100	98227
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	LOAEL		4	ins	20.8	AI mg	100	98227
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	NOAEL			lvp	0.5	ppm	100	98227
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	LOAEL		4	ins	20	mg/org	100	98228
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	LOAEL		4	ins	80	mg/org	100	98228
EPTC	Plutella	xylostella	Diamondback moth	MOR	MOR	SURV	NOAEL		4	ins	160	mg/org	100	98228
EPTC	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	MORT	NR-ZERO		1	d	250	AI ug	75.5	71141
EPTC	Tilapia	nilotica	Nile tilapia	MOR	MOR	MORT	LC50		4	d	225	mg/L	100	4651
EPTC	Carassius	carassius	Crucian carp	MOR	MOR	MORT	LC50		4	d	170	mg/L	100	4651
EPTC	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	HTCH	NR-LETH			ht	188.75	ug/org	75.5	71141
EPTC	Spodoptera	littoralis	Egyptian cotton leafworm	MOR	MOR	HTCH	NR-LETH			ht	188.75	ug/org	75.5	71141
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		28	d	80	AI mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		28	d	80	AI mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		28	d	320	AI mg/org	100	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		28	d	80	AI mg/org	100	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		18	d	160	AI mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		26	d	80	mg/org	100	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL		40	d	20	mg/org	100	98228

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred Mean	Dur Unit Preferred	Conc #1 Purity Adjusted in Preferred Unit Mean	Conc Units Preferred	% Purity	Ref #
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL			hv	160	Al mg/org	95	98228
EPTC	Brassica	oleracea	Cabbage	GRO	MPH	WGHT	NOAEL			hv	160	Al mg/org	95	98228
EPTC	Sclerotinia	sclerotiorum	Fungus	GRO	MPH	WGHT	NOAEL	LOAEL	16	d	500	ppm	100	98275
EPTC	Xenopus	laevis	African clawed frog	PHY	PHY	CNVY	IC50		3.47E-03	d	35	uM	100	86935
EPTC	Xenopus	laevis	African clawed frog	PHY	PHY	CNVY	IC50		3.47E-03	d	13	uM	100	86935
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	PSYN	EC50		0.16666667	d		mg/L	100	13583
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	PSYN	EC100		0.16666667	d	250	mg/L	100	13583
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	PSYN	EC100		0.16666667	d	250	mg/L	100	13583
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	PSYN	EC50		0.16666667	d	0.025	mg/L	100	13583
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	ASML	EC50		0.16666667	d		mg/L	100	13583
EPTC	NR	Plantae	Plant kingdom	PHY	PHY	ASML	EC100		0.16666667	d	250	mg/L	100	13583
EPTC	Pseudokirchneriella	subcapitata	Green algae	POP	POP	BMAS	LOEC			d	6.25	mg/L	100	18093
EPTC	Pseudokirchneriella	subcapitata	Green algae	POP	POP	BMAS	NOEC			d	6.25	mg/L	100	18093
EPTC	Pseudokirchneriella	subcapitata	Green algae	POP	POP	GPOP	EC50		4	d	6.451	mg/L	100	18093
EPTC	Lemna	minor	Duckweed	POP	POP	GPOP	EC50		4	d	7.512	mg/L	100	18093
EPTC	Lemna	minor	Duckweed	POP	POP	BMAS	LOEC			d	10	mg/L	100	18093
EPTC	Lemna	minor	Duckweed	POP	POP	BMAS	NOEC			d	5	mg/L	100	18093
Di-N-propylamine	Lactuca	sativa	Lettuce	POP	POP	BMAS	EC50		14	d	370	ppm	>=95	46533
Di-N-propylamine	Lactuca	sativa	Lettuce	POP	POP	BMAS	EC50		7	d	383	ppm	>=95	46533
Di-N-propylamine	Lactuca	sativa	Lettuce	POP	POP	BMAS	EC50		21	d		ppm	>=95	46533
EPTC	Cricone-mella	ornata	Ring nematode	POP	POP	CNTL	LOAEL		48	d	3.36	Al kg/ha	100	98330
EPTC	Meloidogyne	incognita	Root-knot nematode	POP	POP	CNTL	LOAEL		48	d	3.36	Al kg/ha	100	98330
EPTC	Meloidogyne	incognita	Root-knot nematode	POP	POP	CNTL	NOAEL		48	d	3.36	Al kg/ha	100	98330
EPTC	Cricone-mella	ornata	Ring nematode	POP	POP	CNTL	NOAEL		48	d	3.36	Al kg/ha	100	98330
EPTC	Meloidogyne	incognita	Root-knot nematode	POP	POP	CNTL	NOAEL		48	d	3.36	Al kg/ha	100	98330
EPTC	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL		48	d	2.99712	lb/acre	100	98330
EPTC	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL		48	d	2.99712	lb/acre	100	98330

Chemical Name	Genus	Species	Common Name	Effect Group	Effect	Meas	Endpt1	Endpt2	Dur Preferred Mean	Dur Unit Preferred	Conc #1 Purity Adjusted in Preferred Unit Mean	Conc Units Preferred	% Purity	Ref #
EPTC	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL		48	d	2.99712	lb/acre	100	98330
EPTC	Trichoplusia	ni	Cabbage looper	POP	POP	ABND	NOAEL			hv	160	Al mg/org	95	98228
EPTC	Pieris	rapae	Cabbage white	POP	POP	ABND	NOAEL			hv	160	Al mg/org	95	98228
EPTC	Plutella	xylostella	Diamondback moth	POP	POP	ABND	LOAEL			hv	160	Al mg/org	95	98228
EPTC	Acanthamoeba	castellanii	Amoeba	POP	POP	PGRT	NOAEL	LOAEL	5	d	10	mg/L	100	60074
EPTC	NR	Fungi	Fungi Kingdom	POP	POP	ABND	LOAEL		7	d	10	ppm	100	86410
EPTC	Acanthamoeba	castellanii	Amoeba	POP	POP	PGRT	NOAEL	LOAEL	5	d	1	mg/L	100	60074
EPTC	Sclerotinia	sclerotiorum	Fungus	POP	POP	PGRT	LOAEL		2	d	1	ppm	100	98275
EPTC	Meloidogyne	hapla	Northern Root Knot Nematode	POP	POP	ABND	NOAEL	LOAEL	84	d	1	ml/m2	100	98742
EPTC	Meloidogyne	hapla	Northern Root Knot Nematode	POP	POP	ABND	LOAEL		56	d	1	ml/m2	100	98742
EPTC	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL			hv	3.4	kg	100	98843
EPTC	Phaseolus	vulgaris	Bean	POP	POP	BMAS	NOAEL			hv	3.4	kg	100	98843
EPTC	NR	Plantae	Plant kingdom	POP	POP	ABND	LOAEL			hv	3.4	kg	100	98843
EPTC	NR	Magnoliopsida	Dicot class	POP	POP	ABND	NOAEL			hv	3.4	kg	100	98843
EPTC	NR	Liliopsida	Monocot class	POP	POP	ABND	LOAEL			hv	3.4	kg	100	98843
EPTC	NR	Plantae	Plant kingdom	POP	POP	ABND	NOAEL			hv	3.4	kg	100	98843
EPTC	NR	Magnoliopsida	Dicot class	POP	POP	ABND	NOAEL			hv	3.4	kg	100	98843
EPTC	NR	Liliopsida	Monocot class	POP	POP	ABND	NOAEL			hv	3.4	kg	100	98843
EPTC	NR	Nemata	Nematode phylum	POP	POP	ABND	NOAEL		42	d	1800	Al g/ha	100	98825
EPTC	Zea	mays	Corn	POP	POP	BMAS	NOAEL		42	d	1.602	lb/acre	100	98825
EPTC	Phomopsis	amaranthicola	Fungus	REP	REP	GERM	LOAEL		1.0125	d	0.7805	lb/acre	100	96666
EPTC	Phomopsis	amaranthicola	Fungus	REP	REP	GERM	LOAEL		1.0125	d	0.7805	lb/acre	100	96666
EPTC	Sclerotinia	sclerotiorum	Fungus	REP	REP	GERM	NOAEL		16	d	20	ppm	100	98275