

Appendix G: Accepted ECOTOX Data Table and Bibliography

January 2005 ECOTOX run:

Chemical Name	Common Name	Endpt1	Dur Mean Orig	Dur Unit Orig	Conc #1 Purity Adjusted Mean	Conc Units Preferred	Test Loc	Author	Title	Source	Publication Year	Comments
Chlorophacinone	American Kestrel	NR-LETH	16.5	d	1.06	mg/d	FieldA	Radvanyi A;Weaver P;Massari C;Bird D;Broughton E;	Effects of Chlorophacinone on Captive Kestrels	Bull.Environ.Contam.Toxicol. 41:441-448	1988	ION/NR//
Chlorophacinone	American Kestrel	NR-LETH	10.3	d	1.06	mg/d	FieldA	Radvanyi A;Weaver P;Massari C;Bird D;Broughton E;	Effects of Chlorophacinone on Captive Kestrels	Bull.Environ.Contam.Toxicol. 41:441-448	1988	ION/NR//
Chlorophacinone	American Kestrel	NR-ZERO	21	d	0.0002	% wght/org	FieldA	Radvanyi A;Weaver P;Massari C;Bird D;Broughton E;	Effects of Chlorophacinone on Captive Kestrels	Bull.Environ.Contam.Toxicol. 41:441-448	1988	GENERAL/Birds were fed wild mice that had been fed 2.0% chlorophacinone-treated oat groats (0.01% by weight) until the mice died. // ION/NR//
Chlorophacinone	American Kestrel	NR-ZERO	61	d	0.0002	% wght/org	FieldA	Radvanyi A;Weaver P;Massari C;Bird D;Broughton E;	Effects of Chlorophacinone on Captive Kestrels	Bull.Environ.Contam.Toxicol. 41:441-448	1988	GENERAL/Birds were fed wild mice that had been fed 2.0% chlorophacinone-treated oat groats (0.01% by weight) until the mice died. // ION/NR//
Chlorophacinone	Mountain Beaver	NR-LETH	10	d	0.005	%	FieldA	Arjo WM;Nolte DL;	Assessing the Efficacy of Registered Underground Baiting Products for Mountain Beaver (Aplodontia rufa) Control	Crop Prot. 23(5):425-430	2004	EE/Mean intake of chlorophacinone was 2.13 mg/kg body weight.// ION/NR//

Chlorophacinone	European Rabbit	NR-ZERO	14	d	0.35	ppm	Lab	Eason CT;	The Acute Toxicity of Cholecalciferol to the European Rabbit, <i>Oryctolagus cuniculus</i>	Wildl.Res. 20(2):173-176	1993	ORG/females// ION/NR//
Chlorophacinone	European Rabbit	NR-LETH	14	d	1.5	ppm	Lab	Eason CT;	The Acute Toxicity of Cholecalciferol to the European Rabbit, <i>Oryctolagus cuniculus</i>	Wildl.Res. 20(2):173-176	1993	ORG/females// ION/NR//
Chlorophacinone	European Rabbit	NR-LETH	14	d	3	ppm	Lab	Eason CT;	The Acute Toxicity of Cholecalciferol to the European Rabbit, <i>Oryctolagus cuniculus</i>	Wildl.Res. 20(2):173-176	1993	ORG/males and females// ION/NR//
Chlorophacinone	European Rabbit	LD50	14	d	0.9	ppm	Lab	Eason CT;	The Acute Toxicity of Cholecalciferol to the European Rabbit, <i>Oryctolagus cuniculus</i>	Wildl.Res. 20(2):173-176	1993	ORG/males and females// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	6	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/13 Nov,1986// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	NOAEL	18	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/13-14 Nov,1987, pellet// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	18	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/13-14 Nov,1987, lacquered wheat// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	19	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/20 Nov,1987,pellet// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	19	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/20 Nov,1987,lacquered

												wheat// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	21	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/12 Nov,1987, lacquered wheat// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	21	d	0.00095	kg/ha	FieldN	Byers RE;Carbaugh DH;	Vole Population Shifts Related to Rodenticide Usage	Hortscience 24(5):783-785	1989	ORG/pine and meadow voles// GENERAL/12 Nov,1987,pellets// ION/NR//
Chlorophacinone	Muskrat	LOAEL	120	d	2.5	ppm	FieldN	Tuytens FAM;Stuyck JJJM;	Effectiveness and Efficiency of Chlorophacinone Poisoning for the Control of Muskrat (Ondatra zibethicus) Populations	N.Z.J.Zool. 29(1):33-40	2002	GENERAL/combined units A and B// ION/NR//
Chlorophacinone	Pine Vole	LOAEL	18	d	0.000875	lb/acre	FieldN	Merson MH;Byers RE;	Weathering and the Field Efficacy of Pelletized Rodenticide Baits in Orchards	Crop Prot. 4(4):511-519	1985	ORG/2% of the community tested are meadow voles; 98% are pine voles// EE/Endpoint measures the number of active sites. The number of highly active sites, voles per plot, and voles per site are also reported.// ION/NR//
Chlorophacinone	Pine Vole	LOAEL	16	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Rodenticides for the Control of Pine and Meadow Voles in Orchards	J.Environ.Hortic. 9(3):167-172	1991	ION/NR//
Chlorophacinone	Pine Vole	LOAEL	21	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Rodenticides for the Control of Pine and Meadow Voles in Orchards	J.Environ.Hortic. 9(3):167-172	1991	ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	15	d	0.00056	kg/ha	FieldN	Byers RE;Carbaugh DH;	Rodenticides for the Control of Pine and Meadow Voles in Orchards	J.Environ.Hortic. 9(3):167-172	1991	ORG/28% pine and 72% meadow voles// GENERAL/pellet// ION/NR//
Chlorophacinone	Pine Vole	LOAEL	5	d	0.005	%	Lab	Byers RE;Carbaugh DH;	Efficacy of Rodenticides for Control of Orchard	J.Am.Soc.Hortic.Sci. 112(2):267-272	1987	GENERAL/golden delicious challenge, 8.7 g consumed //

									Voles			ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	16	d	0.0012	kg/ha	FieldN	Byers RE;Carbaugh DH;	Efficacy of Rodenticides for Control of Orchard Voles	J.Am.Soc.Hortic.Sci. 112(2):267-272	1987	ORG/meadow and pine voles// ION/NR//
Chlorophacinone	Meadow Voles, Meadow Mice	LOAEL	25	d	0.0012	kg/ha	FieldN	Byers RE;Carbaugh DH;	Efficacy of Rodenticides for Control of Orchard Voles	J.Am.Soc.Hortic.Sci. 112(2):267-272	1987	ORG/meadow and pine voles// ION/NR//
Chlorophacinone	Meadow Vole	LOAEL	15	d	0.00055	kg/ha	FieldN	Byers RE;Carbaugh DH;	Efficacy of Rodenticides for Control of Orchard Voles	J.Am.Soc.Hortic.Sci. 112(2):267-272	1987	ION/NR//
Chlorophacinone	Meadow Vole	LOAEL	30	d	0.00055	kg/ha	FieldN	Byers RE;Carbaugh DH;	Efficacy of Rodenticides for Control of Orchard Voles	J.Am.Soc.Hortic.Sci. 112(2):267-272	1987	ION/NR//

May 2010 Refresh

Chemical Name	Common Name	Effect	Dur Unit Orig	Conc #1 Author Reported Mean	Conc Units Author Reported	Test Loc	Author	Title	Source	Publication Year	Comments
Chlorophacinone	Pine Vole	MOR	d	0.005	%	Lab	Byers RE;	Performance of Rodenticides for the Control of Pine Voles in Orchards	J.Am.Hortic.Soc. 103(1):65-69	1978	EDES/Allowed ad libitum access to food for 3 days// CHAR/Pellet Rozol-CPN// GENERAL/RVALUE/only CONC tested//// BCF = NR// ION/NR//
Chlorophacinone	Pine Vole	POP	h	11.2	kg/ha	FieldN	Byers RE;	Performance of Rodenticides for the Control of Pine Voles in Orchards	J.Am.Hortic.Soc. 103(1):65-69	1978	EXPDUR/multiple durations reported// EE/percent activity // EDES/3 Replicates. Bait placed on tree. Field study near Winchester, Virginia// CHAR/Pellet Rozol-CPN// GENERAL/RVALUE/only CONC tested//// BCF = NR// ION/NR//
Chlorophacinone	California Quail	GRO	d	50	Al ug/g	NR	Blus LJ;Henny CJ;Grove RA;	Effects of Pelletized Anticoagulant Rodenticides on California Quail	J.Wildl.Dis. 21(4):391-395	1985	CHAR/paraffinized pellet containing 50 ug/g chlorophacinone// GENERAL/rvalue/only conc tested//// BCF = nr// ION/NR//
Chlorophacinone	California Quail	PHY	d	50	Al ug/g	NR	Blus LJ;Henny CJ;Grove RA;	Effects of Pelletized Anticoagulant Rodenticides on California Quail	J.Wildl.Dis. 21(4):391-395	1985	CHAR/paraffinized pellet containing 50 ug/g chlorophacinone// GENERAL/rvalue/only conc tested//// BCF = nr// ION/NR//