

Appendix H. Example outputs from T-REX v.1.3.1 and T-HERPS v.1.0 (outputs for lawns)

Tables H1 through H7 contain input and output tables from T-REX relevant to carbaryl use on lawns (group C). Tables H8 through H10 contain input and output tables from T-HERPS relevant to carbaryl use on lawns.

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table H1. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients									
Size Class (grams)	Adjusted LD50	EECs and RQs							
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
20	180.86	2905.87	16.07	1331.86	7.36	1634.55	9.04	181.62	1.00
100	438.30	1657.05	3.78	759.48	1.73	932.09	2.13	103.57	0.24
1000	1555.14	741.88	0.48	340.03	0.22	417.31	0.27	46.37	0.03

Table H2. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients								
LC50	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5000	2551.47	0.51	1169.42	0.23	1435.20	0.29	159.47	0.03

Size class not used for dietary risk quotients

Table H3. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients								
NOAEC (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
300	2551.47	8.50	1169.42	3.90	1435.20	4.78	159.47	0.53

Size class not used for dietary risk quotients

Table H4. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	661.55	2432.63	3.68	1114.96	1.69	1368.35	2.07	152.04	0.23	33.79	0.05
35	535.26	1681.27	3.14	770.58	1.44	945.72	1.77	105.08	0.20	23.35	0.04
1000	231.52	389.81	1.68	178.66	0.77	219.27	0.95	24.36	0.11	5.41	0.02

Table H5. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients								
LC50 (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
0	2551.47	#DIV/0!	1169.42	#DIV/0!	1435.20	#DIV/0!	159.47	#DIV/0!

Size class not used for dietary risk quotients

Table H6. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients								
NOAEC (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
75	2551.47	34.02	1169.42	15.59	1435.20	19.14	159.47	2.13

Size class not used for dietary risk quotients

Table H7. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted NOAEL	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	8.24	2432.63	295.16	1114.96	135.28	1368.35	166.02	152.04	18.45	33.79	4.10
35	6.67	1681.27	252.12	770.58	115.55	945.72	141.82	105.08	15.76	23.35	3.50
1000	2.88	389.81	135.15	178.66	61.94	219.27	76.02	24.36	8.45	5.41	1.88

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table H8. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammal		Small Amphibians	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1.4	2000.00	55.76	0.03	6.20	0.00	N/A	N/A	N/A	N/A	N/A	N/A
37	2000.00	54.80	0.03	6.09	0.00	1590.39	0.80	99.40	0.05	1.90	0.00
238	2000.00	35.92	0.02	3.99	0.00	247.25	0.12	15.45	0.01	1.25	0.00

Table H9. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5000	1435.20	0.29	159.47	0.03	1681.27	0.34	105.08	0.02	49.82	0.01

Size class not used for dietary risk quotients

Table H10. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
300	1435.20	4.78	159.47	0.53	1681.27	5.60	105.08	0.35	49.82	0.17

Size class not used for dietary risk quotients