

Appendix E. Example Output from T-REX and T-HERPS

T-REX: 3 applications @ 6 lb a.i./acre (120-day interval)

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table E-1. Upper Bound Kenaga, Acute Avian Dose-Based Risk Quotients													
Size Class (grams)	Adjusted LD50	EECs and RQs											
		Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
20	998.52	1806.48	1.81	827.97	0.83	1016.14	1.02	112.90	0.11	707.54	0.71	25.09	0.03
100	1271.16	1030.13	0.81	472.14	0.37	579.45	0.46	64.38	0.05	403.47	0.32	14.31	0.01
1000	1795.56	461.20	0.26	211.38	0.12	259.43	0.14	28.83	0.02	180.64	0.10	6.41	0.00

Table E-2. Upper Bound Kenaga, Subacute Avian Dietary Based Risk Quotients										
LC50	EECs and RQs									
	Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5260	1586.16	0.30	726.99	0.14	892.22	0.17	99.14	0.02	621.25	0.12

Size class not used for dietary risk quotients

Table E-3. Upper Bound Kenaga, Chronic Avian Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
3	1586.16	634.46	726.99	290.80	892.22	356.89	99.14	39.65	621.25	248.50

Size class not used for dietary risk quotients

Table E-4. Upper Bound Kenaga, Acute Mammalian Dose-Based Risk Quotients													
Size Class (grams)	Adjusted LD50	EECs and RQs											
		Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	593.41	1512.28	2.55	693.13	1.17	850.66	1.43	94.52	0.16	592.311	0.9981	21.004	0.0354
35	480.14	1045.19	2.18	479.05	1.00	587.92	1.22	65.32	0.14	409.366	0.8526	14.517	0.0302
1000	207.67	242.33	1.17	111.07	0.53	136.31	0.66	15.15	0.07	94.9129	0.457	3.3657	0.0162

Table E-5. Upper Bound Kenaga, Acute Mammalian Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
0	1586.16	#DIV/0!	726.99	#DIV/0!	892.22	#DIV/0!	99.14	#DIV/0!	621.25	#DIV/0!

Size class not used for dietary risk quotients

Table E-6. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds/Lar ge Insects		Arthropods	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
150	1586.16	10.57	726.99	4.85	892.22	5.95	99.14	0.66	621.25	4.14

Size class not used for dietary risk quotients

Table E-7. Upper Bound Kenaga, Chronic Mammalian Dose-Based Risk Quotients													
Size Class (grams)	Adjusted NOAEL	EECs and RQs											
		Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds		Arthropods		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	16.48	1512.28	91.74	693.13	42.05	850.66	51.61	94.52	5.73	592.31	35.93	21.00	1.27
35	13.34	1045.19	78.37	479.05	35.92	587.92	44.08	65.32	4.90	409.37	30.69	14.52	1.09
1000	5.77	242.33	42.01	111.07	19.25	136.31	23.63	15.15	2.63	94.91	16.45	3.37	0.58

T-HERPS: 1 application @ 9 lb a.i./acre

Summary of EECs and RQs Based on Upper Bound Kenaga EECs

Table E-8. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients		
Size	Adjusted	EECs and RQs

Class (grams)	LD50	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Herbivore Mammals		Insectivore Mammal		Amphibians	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
2.0	1386.00	67.48	0.05	7.50	0.01	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	67.48	0.05
20	1386.00	40.01	0.03	4.45	0.00	2060.27	1.49	128.77	0.09	#DIV/0!	#DIV/0!
200	1386.00	23.72	0.02	2.64	0.00	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!

Table E-9. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Herbivore Mammals		Insectivore Mammals		Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5260	1215.00	0.23	135.00	0.03	1648.21	0.31	103.01	0.02	#DIV/0!	#DIV/0!

Size class not used for dietary risk quotients

Table E-10. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Herbivore Mammals		Insectivore Mammals		Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
3	1215.00	486.00	135.00	54.00	1648.21	659.29	103.01	41.21	#DIV/0!	#DIV/0!

Size class not used for dietary risk quotients