

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

T-REX: 2 applications @ 0.03 lb a.i./acre

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table E1. 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	2050.94	15.93	0.01	7.30	0.00	8.96	0.00	1.00	0.00	6.24	0.00	0.22	0.00
100	2610.95	9.08	0.00	4.16	0.00	5.11	0.00	0.57	0.00	3.56	0.00	0.13	0.00
1000	3688.06	4.07	0.00	1.86	0.00	2.29	0.00	0.25	0.00	1.59	0.00	0.06	0.00

Table E2. 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
3948	13.98	0.00	6.41	0.00	7.87	0.00	0.87	0.00	5.48	0.00

Size class not used for dietary risk quotients

Table E3. 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
5	13.98	2.80	6.41	1.28	7.87	1.57	0.87	0.17	5.48	1.10

Size class not used for dietary risk quotients

Table E4. 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	123.08	13.33	0.11	6.11	0.05	7.50	0.06	0.83	0.01	5.22222	0.0424	0.1852	0.0015
35	99.58	9.22	0.09	4.22	0.04	5.18	0.05	0.58	0.01	3.60925	0.0362	0.128	0.0013
1000	43.07	2.14	0.05	0.98	0.02	1.20	0.03	0.13	0.00	0.83682	0.0194	0.0297	0.0007

Table E5. 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	13.98	#DIV/0!	6.41	#DIV/0!	7.87	#DIV/0!	0.87	#####	5.48	#DIV/0!

Size class not used for dietary risk quotients

Table E6. Upper Bound Kenaga, Chronic Mammalian Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Short Grass		Tall Grass		Broadleaf Plants		Fruits/Pods/Seeds/Large Insects		Arthropods	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
30	13.98	0.47	6.41	0.21	7.87	0.26	0.87	0.03	5.48	0.18

Size class not used for dietary risk quotients

Table E7. 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	3.30	13.33	4.04	6.11	1.85	7.50	2.27	0.83	0.25	5.22	1.58	0.19	0.06
35	2.67	9.22	3.45	4.22	1.58	5.18	1.94	0.58	0.22	3.61	1.35	0.13	0.05
1000	1.15	2.14	1.85	0.98	0.85	1.20	1.04	0.13	0.12	0.84	0.73	0.03	0.03

T-HERPS: 3 applications @ 0.156 lb a.i./acre, 7-day interval

Summary of EECs and RQs Based on Upper Bound Kenaga EECs

Table E8. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients		
Size Class	Adjusted	EECs and RQs

(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	3950.00	3.07	0.00	0.34	0.00	232.22	0.06	14.51	0.00	3.19	0.00
20	3950.00	1.82	0.00	0.20	0.00	93.31	0.02	5.83	0.00	2.15	0.00
200	3950.00	1.08	0.00	0.12	0.00	37.50	0.01	2.34	0.00	1.45	0.00

Table E9. 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
3948	55.35	0.01	6.15	0.00	75.43	0.02	4.71	0.00	1.74	0.00

Size class not used for dietary risk quotients

Table E10. 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
2	55.35	36.90	6.15	4.10	75.43	50.29	4.71	3.14	1.74	1.16

Size class not used for dietary risk quotients