

APPENDIX F: T-REX MODEL OUTPUT (EXAMPLE)

T-REX output based on 1 liquid application of propanil at 8 lb a.i./acre.

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table F-1 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	144.81	2186.69	15.10	1002.23	6.92	1230.01	8.49	136.67	0.94
100	184.35	1246.94	6.76	571.52	3.10	701.40	3.80	77.93	0.42
1000	260.40	558.27	2.14	255.87	0.98	314.03	1.21	34.89	0.13

Table F-2 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	
2311	1920.00	0.83	880.00	0.38	1080.00	0.47	120.00	0.05	

Size class not used for dietary risk quotients

Table F-3 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	
0	1920.0 0	NA	880.00	NA	1080.0 0	#DIV /0!	120.0 0	NA	

Size class not used for dietary risk quotients.

Unable to determine the RQ without a NOAEC.

Table F-4 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	2373.66	1830.57	0.77	839.01	0.35	1029.70	0.43	114.41	0.05	25.42	0.01
35	1920.54	1265.17	0.66	579.87	0.30	711.66	0.37	79.07	0.04	17.57	0.01
1000	830.69	293.33	0.35	134.44	0.16	165.00	0.20	18.33	0.02	4.07	0.00

Table F-5 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	72.00	NA	33.00	NA	40.50	NA	4.50	NA

Size class not used for dietary risk quotients
Unable to Calculate the RQ without a LC₅₀.

Table F-6 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
3000	1920.00	0.64	880.00	0.29	1080.00	0.36	120.00	0.04

Size class not used for dietary risk quotients

Table F-7 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	329.67	1830.57	5.55	839.01	2.54	1029.70	3.12	114.41	0.35	25.42	0.08
35	266.74	1265.17	4.74	579.87	2.17	711.66	2.67	79.07	0.30	17.57	0.07
1000	115.37	293.33	2.54	134.44	1.17	165.00	1.43	18.33	0.16	4.07	0.04