

Appendix E: T-REX Example Output

Output based on broadcast ground application of oryzalin to non-planted industrial areas @ 6.12 lb ai/A

Summary of Risk Quotient Calculations Based on Upper Bound Kenega EECs

Table X. Upper 90th Percentile Kenega, 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	365.04	1672.82	4.58	766.71	2.10	940.96	2.58	104.55	0.29
100	464.72	953.91	2.05	437.21	0.94	536.57	1.15	59.62	0.13
1000	656.43	427.08	0.65	195.74	0.30	240.23	0.37	26.69	0.04

Table X. Upper 90th Percentile Kenega, Subacute Avian Dietary Based Risk Quotients
EECs and RQs

LC50	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
5000	1468.80	0.29	673.20	0.13	826.20	0.17	91.80	0.02

Size class not used for dietary risk quotients

Table X. Upper 90th Percentile Kenega, 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
132	1468.80	11.13	673.20	5.10	826.20	6.26	91.80	0.70

Size class not used for dietary risk quotients

Table X. Upper 90th Percentile 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	21978.31	1400.39	0.06	641.84	0.03	787.72	0.04	87.52	0.00	19.45	0.00
35	17782.79	967.86	0.05	443.60	0.02	544.42	0.03	60.49	0.00	13.44	0.00
1000	7691.61	224.40	0.03	102.85	0.01	126.23	0.02	14.03	0.00	3.12	0.00

Table X. Upper 90th Percentile 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	1468.80	#####	673.20	#####	826.20	#####	91.80	#####

Size class not used for dietary risk quotients

Table X. Upper 90th Percentile 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
276	1468.80	5.31	673.20	2.44	826.20	2.99	91.80	0.33

Size class not used for dietary risk quotients

Table X. Upper 90th Percentile Kenega, 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	30.37	1400.39	46.10	641.84	21.13	787.72	25.93	87.52	2.88	19.45	0.64
35	24.58	967.86	39.38	443.60	18.05	544.42	22.15	60.49	2.46	13.44	0.55
1000	10.63	224.40	21.11	102.85	9.68	126.23	11.87	14.03	1.32	3.12	0.29

Summary of LD50/Square Foot Results

Row/Band/In-furrow applications

Table X. Avian LD50 per Square Foot

Size Class (grams)	Adjusted LD50	mg/sq. ft			LD50/sq. ft		
		Row, banded, in furrow		Broadcast	Row, banded, in furrow		Broadcast
		Granular	Liquid		Granular	Liquid	
20	365.04				N/A	N/A	8.73
100	464.72	#VALUE!	#VALUE!	63.73	N/A	N/A	1.37
1000	656.43				N/A	N/A	0.10

Table X. Mammalian LD50 per Square Foot

Size Class (grams)	Adjusted LD50	mg/sq. ft			LD50/sq. ft		
		Row, banded, in furrow		Broadcast	Row, banded, in furrow		Broadcast
		Granular	Liquid		Granular	Liquid	
15	365.04				N/A	N/A	0.19
35	464.72	#VALUE!	#VALUE!	63.73	N/A	N/A	0.10
1000	656.43				N/A	N/A	0.01