

Appendix D. Outputs from T-REX v.1.3.1

Tables D1-D7 contain input and output tables from T-REX relevant to bromacil use on citrus. Tables D8-D14 contain input and output tables from T-REX relevant to bromacil use on non-cropland areas.

Citrus: Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table D1. 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	1620.97	1749.35	1.08	801.79	0.49	984.01	0.61	109.33	0.07
100	2063.57	997.55	0.48	457.21	0.22	561.12	0.27	62.35	0.03
1000	2914.87	446.62	0.15	204.70	0.07	251.22	0.09	27.91	0.01

Table D2. 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
10000	1536.00	0.15	704.00	0.07	864.00	0.09	96.00	0.01

Size class not used for dietary risk quotients

Table D3. 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
1550	1536.00	0.99	704.00	0.45	864.00	0.56	96.00	0.06

Size class not used for dietary risk quotients

Table D4. 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	1784.64	1464.46	0.82	671.21	0.38	823.76	0.46	91.53	0.05	20.34	0.01
35	1443.96	1012.14	0.70	463.90	0.32	569.33	0.39	63.26	0.04	14.06	0.01
1000	624.56	234.67	0.38	107.56	0.17	132.00	0.21	14.67	0.02	3.26	0.01

Table D5. 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	1536.00	#DIV/0!	704.00	#DIV/0!	864.00	#DIV/0!	96.00	#DIV/0!

Size class not used for dietary risk quotients

Table D6. 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
250	1536.00	6.14	704.00	2.82	864.00	3.46	96.00	0.38

Size class not used for dietary risk quotients

Table D7. 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	27.47	1464.46	53.31	671.21	24.43	823.76	29.98	91.53	3.33	20.34	0.74
35	22.23	1012.14	45.53	463.90	20.87	569.33	25.61	63.26	2.85	14.06	0.63
1000	9.61	234.67	24.41	107.56	11.19	132.00	13.73	14.67	1.53	3.26	0.34

Non-cropland: Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table D8. 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	1620.97	7399.48	4.56	3391.43	2.09	4162.21	2.57	462.47	0.29
100	2063.57	4219.50	2.04	1933.94	0.94	2373.47	1.15	263.72	0.13
1000	2914.87	1889.13	0.65	865.85	0.30	1062.63	0.36	118.07	0.04

Table D9. 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
10000	6497.04	0.65	2977.81	0.30	3654.59	0.37	406.07	0.04

Size class not used for dietary risk quotients

Table D10. 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
1550	6497.04	4.19	2977.81	1.92	3654.59	2.36	406.07	0.26

Size class not used for dietary risk quotients

Table D11. 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	1784.64	6194.43	3.47	2839.12	1.59	3484.37	1.95	387.15	0.22	86.03	0.05
35	1443.96	4281.18	2.96	1962.21	1.36	2408.17	1.67	267.57	0.19	59.46	0.04
1000	624.56	992.61	1.59	454.94	0.73	558.34	0.89	62.04	0.10	13.79	0.02

Table D12. 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	6497.04	#DIV/0!	2977.81	#DIV/0!	3654.59	#DIV/0!	406.07	#DIV/0!

Size class not used for dietary risk quotients

Table D13. 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
250	6497.04	25.99	2977.81	11.91	3654.59	14.62	406.07	1.62

Size class not used for dietary risk quotients

Table D14. 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	27.47	6194.43	225.47	2839.12	103.34	3484.37	126.83	387.15	14.09	86.03	3.13
35	22.23	4281.18	192.60	1962.21	88.27	2408.17	108.34	267.57	12.04	59.46	2.67
1000	9.61	992.61	103.24	454.94	47.32	558.34	58.07	62.04	6.45	13.79	1.43