

Appendix E. Outputs from T-HERPS v.1.0

Tables E1-E3 contain input and output tables from T-HERPS relevant to bromacil use on citrus. Tables E4-46 contain input and output tables from T-HERPS relevant to bromacil use on non-cropland areas. Tables E7-E9 contain input and output tables from T-HERPS relevant to bromacil lithium use on non-cropland areas.

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

Table E1. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammal		Small Amphibians	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1.4	2250.00	33.57	0.01	3.73	0.00	N/A	N/A	N/A	N/A	N/A	N/A
37	2250.00	32.99	0.01	3.67	0.00	957.43	0.43	59.84	0.03	1.15	0.00
238	2250.00	21.62	0.01	2.40	0.00	148.84	0.07	9.30	0.00	0.75	0.00

Table E2. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
10000	864.00	0.09	96.00	0.01	1012.14	0.10	63.26	0.01	29.99	0.00

Size class not used for dietary risk quotients

Table E3. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1550	864.00	0.56	96.00	0.06	1012.14	0.65	63.26	0.04	29.99	0.02

Size class not used for dietary risk quotients

Bromacil use on non-cropland areas: Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table E4. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammal		Small Amphibians	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1.4	2250.00	147.03	0.07	16.34	0.01	N/A	N/A	N/A	N/A	N/A	N/A
37	2250.00	144.50	0.06	16.06	0.01	4193.70	1.86	262.11	0.12	5.02	0.00
238	2250.00	94.71	0.04	10.52	0.00	651.96	0.29	40.75	0.02	3.29	0.00

Table E5. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
10000	3784.48	0.38	420.50	0.04	4433.34	0.44	277.08	0.03	131.36	0.01

Size class not used for dietary risk quotients

Table E6. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1550	3784.48	2.44	420.50	0.27	4433.34	2.86	277.08	0.18	131.36	0.08

Size class not used for dietary risk quotients

**Bromacil lithium use on non-cropland areas: Summary of Risk Quotient Calculations
Based on Upper Bound Kenaga EECs**

Table E7. Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammal		Small Amphibians	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1.4	2250.00	62.94	0.03	6.99	0.00	N/A	N/A	N/A	N/A	N/A	N/A
37	2250.00	61.86	0.03	6.87	0.00	1795.17	0.80	112.20	0.05	2.15	0.00
238	2250.00	40.54	0.02	4.50	0.00	279.08	0.12	17.44	0.01	1.41	0.00

Table E8. Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients										
LC50 (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
10000	1620.00	0.16	180.00	0.02	1897.76	0.19	118.61	0.01	56.23	0.01

Size class not used for dietary risk quotients

Table E9. Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients										
NOAEC (ppm)	EECs and RQs									
	Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Small Herbivore Mammals		Small Insectivore Mammals		Small Amphibians	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1550	1620.00	1.05	180.00	0.12	1897.76	1.22	118.61	0.08	56.23	0.04

Size class not used for dietary risk quotients