

Appendix K

Example Output from T-HERPS

T-HERPS Example Output

T-HERPS output based on 1 liquid applications of 2,4-D at 4 lb a.e./acre

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table K-1 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	298.00	20.98	0.07	2.33	0.01	N/A	N/A	N/A	N/A	N/A	N/A
37	298.00	20.62	0.07	2.29	0.01	598.39	2.01	37.40	0.13	0.72	0.00
238	298.00	13.51	0.05	1.50	0.01	93.03	0.31	5.81	0.02	0.47	0.00

Table K-2 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
3035	540.00	0.18	60.00	0.02	632.59	0.21	39.54	0.01	18.74	0.01

Size class not used for dietary risk quotients

Table K-3 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
962	540.00	0.56	60.00	0.06	632.59	0.66	39.54	0.04	18.74	0.02

Size class not used for dietary risk quotients