

Appendix L

Example Output from T-HERPS

RQs are not calculated in the assessment for acute dose and dietary-based exposure of trifluralin to birds due to non-definitive LD₅₀ and LC₅₀ values. However, acute dose and dietary-based EECs and corresponding RQ values based on the non-definitive values are provided in the following T-HERPS Output tables for risk characterization purposes only.

T-HERPS output for CRLF and SFGS based on 1 liquid application of trifluralin at 4 lbs/acre

Summary of Risk Quotient Calculations Based on Upper Bound Kenaga EECs

Table L-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	2000.00	29.32	0.01	3.26	0.00	N/A	N/A	N/A	N/A	N/A	N/A
37	2000.00	28.82	0.01	3.20	0.00	836.33	0.42	52.27	0.03	1.00	0.00
238	2000.00	18.89	0.01	2.10	0.00	130.02	0.07	8.13	0.00	0.66	0.00

Table L-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
5000	754.72	0.15	83.86	0.02	884.12	0.18	55.26	0.01	26.20	0.01

Size class not used for dietary risk quotients

Table L-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
500	754.72	1.51	83.86	0.17	884.12	1.77	55.26	0.11	26.20	0.05

Size class not used for dietary risk quotients