

APPENDIX M: T-HERPS Example Input and Output

Corn, Soil Application:

Chemical Name:	<u>Alachlor</u>	
Application Rate	4	<u>lbs a.i./acre</u>
Half-life	35	<u>days</u>
Maximum # Apps /Year	1	
Length of Simulation	1	<u>year</u>
Endpoints		
Avian	Bobwhite quail	LD50 (mg/kg-bw) 1499.00
	Bobwhite quail	LC50 (mg/kg-diet) 5620.00
	Bobwhite quail	NOAEL(mg/kg-bw) 0.00
	Mallard duck	NOAEC (mg/kg-diet) 50.00

Upper Bound Kenaga, Acute Terrestrial Herpetofauna Dose-Based Risk Quotients

Size Class (grams)	Adjusted LD50	<u>EECs and RQs</u>									
		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	1499.00	20.98	0.01	2.33	0.00	N/A	N/A	N/A	N/A	N/A	N/A
37	1499.00	20.62	0.01	2.29	0.00	598.39	0.40	37.40	0.02	0.72	0.00
238	1499.00	13.51	0.01	1.50	0.00	93.03	0.06	5.81	0.00	0.47	0.00

Upper Bound Kenaga, Subacute Terrestrial Herpetofauna Dietary Based Risk Quotients

LC50 (ppm)	<u>EECs and RQs</u>									
	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
5620	540.00	0.10	60.00	0.01	632.59	0.11	39.54	0.01	18.74	0.00

Size class not used for dietary risk quotients

Upper Bound Kenaga, Chronic Terrestrial Herpetofauna Dietary Based Risk Quotients

NOAEC (ppm)	<u>EECs and RQs</u>									
	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
50	540.00	10.80	60.00	1.20	632.59	12.65	39.54	0.79	18.74	0.37

Size class not used for dietary risk quotients