

Appendix M T-HERPS Example Output

Upper Bound Kenaga Residues For RQ Calculation		
Chemical Name:	myclobutanil	
Use	apple	
Formulation	0	
Application Rate	0.5	lbs a.i./acre
Half-life	35	days
Application Interval	7	days
Maximum # Apps./Year	4	
Length of Simulation	1	year

Endpoints			
Avian	Bobwhite quail	LD50 (mg/kg-bw)	498.00
	Bobwhite quail	LC50 (mg/kg-diet)	0.00
	Bobwhite quail	NOAEL(mg/kg-bw)	0.00
	Bobwhite quail	NOAEC (mg/kg-diet)	256.00

Dietary-based EECs (ppm)	Kenaga
	Values
Short Grass	394.58
Tall Grass	180.85
Broadleaf plants/sm Insects	221.95
Fruits/pods/seeds/lg insects	24.66
Small herbivore mammals	260.01
Small insectivore mammals	16.25
Small terrestrial phase amphibians	7.70

Terrestrial Herpetofauna Results

Weight	Body	Ingestion (Fdry)	Ingestion (Fwet)	% body wgt	FI
Class	Weight (g)	(g bw/day)	(g/day)	consumed	(kg-diet/day)
Small	1.4	0.017	0.1	3.9	5.44E-05
Mid	37	0.212	1.4	3.8	1.41E-03
Large	238	0.893	6.0	2.5	5.96E-03

Body	Adjusted LD50
Weight (g)	(mg/kg-bw)
1.4	498.00
37	498.00
238	498.00

Dose-based EECs (mg/kg-bw)	Herpetofaunal Size Classes and Body Weights		
	small (g)	mid (g)	large (g)
	1.4	37	238
Short Grass	15.33	15.07	9.87
Tall Grass	7.03	6.91	4.53
Broadleaf plants/sm Insects	8.62	8.47	5.55
Fruits/pods/seeds/lg insects	0.96	0.94	0.62
Small herbivore mammals	N/A	245.95	38.24
Small insectivore mammals	N/A	15.37	2.39
Small terrestrial phase amphibian	N/A	0.29	0.19

Dose-based RQs (Dose-based EEC/adjusted LD50)	Amphibian/Reptile Acute RQs for Small, Medium, and Large Species (grams)		
	1.4	37	238
Short Grass	0.03	0.03	0.02
Tall Grass	0.01	0.01	0.01
Broadleaf plants/sm insects	0.02	0.02	0.01
Fruits/pods/seeds/lg insects	0.00	0.00	0.00
Small herbivore mammals	N/A	0.49	0.08
Small insectivore mammals	N/A	0.03	0.00
Small terrestrial phase amphibian	N/A	0.00	0.00

Dietary-based RQs (Dietary-based EEC/LC50 or NOAEC)	RQs	
	Acute	Chronic
Short Grass	Not calculated	1.54
Tall Grass	Not calculated	0.71
Broadleaf plants/sm Insects	Not calculated	0.87
Fruits/pods/seeds/lg insects	Not calculated	0.10
Small herbivore mammals	Not calculated	1.02
Small insectivore mammals	Not calculated	0.06
Small terrestrial phase amphibian	Not calculated	0.03