Appendix N
T-HERPS Example Output

Upper Bound Kenaga Residues For RQ Calculation

Chemical Name:	Diuron
Use	Apple Citrus Grape
Formulation	100
Application Rate	3.2 lbs a.i./acre
Half-life	35 days
Application Interval	60 days
Maximum # Apps./Year	2
Length of Simulation	1 year

Acute and Chronic RQs are based on the Upper Bound Kenaga Residues.

The maximum single day residue estimation is used for both the acute and reproduction RQs.

RQs reported as "0.00" in the RQ tables below should be noted a <0.01 in your assessment. This is due to rounding and significa figure issues in Excel.

Endpoints			
Avian	Mallard duck	LD50 (mg/kg-bw)	2000.00
	Bobwhite quail	LC50 (mg/kg-diet)	1730.00
	Bobwhite quail	NOAEL(mg/kg-bw)	0.00
	chicken	NOAEC (mg/kg-diet)	0.80

Dietary-based EECs (ppm)	Kenaga Values
Short Grass	1002.05
Tall Grass	459.27
Broadleaf plants/sm Insects	563.65
Fruits/pods/seeds/lg insects	62.63
Small herbivore mammals	660.29
Small insectivore mammals	41.27
Small terrestrial phase amphibians	19.57

Terrestrial Herpetofauna Results

Weight Class	Body Weight (g)	Ingestion (Fdry) (g bw/day)	Ingestion (Fwet) (g/day)	% body wgt consumed	FI (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 Weight (g)	Adjusted LD50 (mg/kg-bw)
1.4	2000.00
37	2000.00
238	2000.00

Dose-based EECs (mg/kg-bw)	Herpetofaunal Size Classes and Body Weights small (g) 1.4	mid (g) 37	large (g) 238
Short Grass	38.93	38.26	25.08
Tall Grass	17.84	17.54	11.49
Broadleaf plants/sm Insects	21.90	21.52	14.11
Fruits/pods/seeds/lg insects	2.43	2.39	1.57
Small herbivore mammals	N/A	624.60	97.10
Small insectivore mammals	N/A	39.04	6.07
Small terrestrial phase amphibian	N/A	0.75	0.49

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	0.02	0.02	0.01
Tall Grass	0.01	0.01	0.01
Broadleaf plants/sm insects	0.01	0.01	0.01
Fruits/pods/seeds/lg insects	0.00	0.00	0.00
Small herbivore mammals	N/A	0.31	0.05
Small insectivore mammals	N/A	0.02	0.00
Small terrestrial phase amphibian	N/A	0.00	0.00

Dietary-based RQs (Dietary-based EEC/LC50 or	RQs Acute	Chronic
Short Grass	0.58	1252.56
Tall Grass	0.27	574.09
Broadleaf plants/sm Insects	0.33	704.57
Fruits/pods/seeds/lg insects	0.04	78.29
Small herbivore mammals	0.38	825.37
Small insectivore mammals	0.02	51.59
Small terrestrial phase amphibian	0.01	24.46

Note: To provide risk management with the maximum possible information, it is recommended that both the dose-based and concentration-based RQs be calculated when data are available

Terrestrial Herpetofauna Results

Weight Class	Body Weight (g)	Ingestion (Fdry) (g bw/day)	Ingestion (Fwet) (g/day)	% body wgt consumed	FI (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 Weight (g)	Adjusted LD50 (mg/kg-bw)
1.4	2000.00
37	2000.00
238	2000.00

Dose-based EECs (mg/kg-bw)	Herpetofaunal Size Classes and Body Weights		
	small (g)	mid (g)	large (g)
	1.4	37	238
Short Grass	145.99	143.48	94.04
Tall Grass	66.91	65.76	43.10
Broadleaf plants/sm Insects	82.12	80.71	52.89
Fruits/pods/seeds/lg insects	9.12	8.97	5.88
Small herbivore mammals	N/A	2342.26	364.13
Small insectivore mammals	N/A	146.39	22.76
Small terrestrial phase amphibian	N/A	2.80	1.84

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	0.07	0.07	0.05
Tall Grass	0.03	0.03	0.02
Broadleaf plants/sm insects	0.04	0.04	0.03
Fruits/pods/seeds/lg insects	0.00	0.00	0.00
Small herbivore mammals	N/A	1.17	0.18
Small insectivore mammals	N/A	0.07	0.01
Small terrestrial phase amphibian	N/A	0.00	0.00

Dietary-based RQs (Dietary-based EEC/LC50 or	RQs	
	Acute	Chronic
Short Grass	2.17	4697.11
Tall Grass	1.00	2152.84
Broadleaf plants/sm Insects	1.22	2642.13
Fruits/pods/seeds/lg insects	0.14	293.57
Small herbivore mammals	1.43	3095.13
Small insectivore mammals	0.09	193.45
Small terrestrial phase amphibian	0.04	91.71