

Appendix F. T-REX Example Output (Multiple Applications to Peaches)

Upper Bound Kenaga Residues For RQ Calculation

Chemical Name: captan
 Use peach
 Formulation 0
 Application Rate 4 lbs a.i./acre
 Half-life 35 days
 Application Interval 3 days
 Maximum # Apps./Year 8
 Length of Simulation 1 year

Endpoints

Avian
 Mallard duck LD50 (mg/kg-bw) 2000.00
 Bobwhite quail LC50 (mg/kg-diet) 2400.00
 0 NOAEL(mg/kg-bw) 0.00
 Mallard duck NOAEC (mg/kg-diet) 1000.00

Mammals
 LD50 (mg/kg-bw) 9000.00
 LC50 (mg/kg-diet) 0.00
 NOAEL (mg/kg-bw) 12.50
 NOAEC (mg/kg-diet) 250.00

Dietary-based EECs (ppm) Kenaga
 Values
 Short Grass 6296.06
 Tall Grass 2885.69
 Broadleaf plants/sm Insects 3541.53
 Fruits/pods/seeds/lg insects 393.50

Avian Class	Body Weight (g)	Ingestion (Fdry) (g bw/day)	Ingestion (Fwet) (g/day)	% body wgt consumed	FI (kg-diet/day)
Small	20	5	23	114	2.28E-02
Mid	100	13	65	65	6.49E-02
Large	1000	58	291	29	2.91E-01

Avian Body Weight (g)	Adjusted LD50 (mg/kg-bw)
20	1038.45
100	1322.00
1000	1867.37

Dose-based EECs (mg/kg-bw)	Avian Classes and Body Weights		
	small 20 g	mid 100 g	large 1000 g
Short Grass	7170.58	4088.97	1830.69
Tall Grass	3286.52	1874.11	839.06
Broadleaf plants/sm Insects	4033.45	2300.04	1029.76
Fruits/pods/seeds/lg insects	448.16	255.56	114.42

Dose-based RQs (Dose-based EEC/adjusted LD50)	Avian Acute RQs		
	20 g	100 g	1000 g
Short Grass	6.91	3.09	0.98
Tall Grass	3.16	1.42	0.45
Broadleaf plants/sm insects	3.88	1.74	0.55
Fruits/pods/seeds/lg insects	0.43	0.19	0.06

Dietary-based RQs (Dietary-based EEC/LC50 or NOAEC)	RQs	
	Acute	Chronic
Short Grass	2.62	6.30
Tall Grass	1.20	2.89
Broadleaf plants/sm Insects	1.48	3.54
Fruits/pods/seeds/lg insects	0.16	0.39

MAMMALS

Mammalian Class	Body Weight	Ingestion (Fdry) (g bwt/day)	Ingestion (Fwet) (g/day)	% body wgt consumed	FI (kg-diet/day)
Herbivores/ insectivores	15	3	14	95	1.43E-02
	35	5	23	66	2.31E-02
	1000	31	153	15	1.53E-01
Grainvores	15	3	3	21	3.18E-03
	35	5	5	15	5.13E-03
	1000	31	34	3	3.40E-02

Mammalian Class	Body Weight	Adjusted LD50	Adjusted NOAEL
Herbivores/ insectivores	15	19780.47	27.47
	35	16004.51	22.23
	1000	6922.45	9.61
Grainvores	15	19780.47	27.47
	35	16004.51	22.23
	1000	6922.45	9.61

Dose-Based EECs (mg/kg-bw)	Mammalian Classes and Body weight					
	Herbivores/ insectivores			Granivores		
	15 g	35 g	1000 g	15 g	35 g	1000 g
Short Grass	6002.81	4148.74	961.90			
Tall Grass	2751.29	1901.51	440.87			
Broadleaf plants/sm Insects	3376.58	2333.67	541.07			
Fruits/pods/seeds/lg insects	375.18	259.30	60.12	83.37	57.62	13.36

Dose-based RQs (Dose-based EEC/LD50 or NOAEL)	15 g mammal		35 g mammal		1000 g mammal	
	Acute	Chronic	Acute	Chronic	Acute	Chronic
Short Grass	0.30	218.50	0.26	186.64	0.14	100.05
Tall Grass	0.14	100.15	0.12	85.54	0.06	45.85
Broadleaf plants/sm insects	0.17	122.91	0.15	104.99	0.08	56.28
Fruits/pods/lg insects	0.02	13.66	0.02	11.67	0.01	6.25
Seeds (granivore)	0.00	3.03	0.00	2.59	0.00	1.39

Dietary-based RQs (Dietary-based EEC/LC50 or NOAEC)	Mammal RQs	
	Acute	Chronic
Short Grass	#DIV/0!	25.18
Tall Grass	#DIV/0!	11.54
Broadleaf plants/sm insects	#DIV/0!	14.17
Fruits/pods/seeds/lg insects	#DIV/0!	1.57