

Appendix G T-REX 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
Mammals		LD50 (mg/kg-bw)	1380.00
		LC50 (mg/kg-diet)	0.00
		NOAEL (mg/kg-bw)	16.00
		NOAEC (mg/kg-diet)	200.00

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

Avian Results

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
Granivores	20	5	5	25	5.06E-03
	100	13	14	14	1.44E-02

Avian Class	Body Weight (g)	Ingestion (Fdry) (g bw/day)	Ingestion (Fwet) (g/day)	% body wgt consumed	FI (kg-diet/day)
	1000	58	65	6	6.46E-02

Avian Body Weight (g)	Adjusted LD50 (mg/kg-bw)
20	358.77
100	456.74
1000	645.16

Dose-based EECs (mg/kg-bw)	Avian Classes and Body Weights (grams)					
	small	mid	large	Granivores(grams)		
	20	100	1000	20	100	1000
Short Grass	449.39	256.26	114.73			
Tall Grass	205.97	117.45	52.58			
Broadleaf plants/sm Insects	252.78	144.15	64.54			
Fruits/pods/seeds/lg insects	28.09	16.02	7.17	6.24	3.56	1.59

Dose-based RQs (Dose-based EEC/adjusted LD50)	Avian Acute RQs Size Class (grams)		
	20	100	1000
Short Grass	1.25	0.56	0.18
Tall Grass	0.57	0.26	0.08
Broadleaf plants/sm insects	0.70	0.32	0.10
Fruits/pods/seeds/lg insects	0.08	0.04	0.01
Seeds (granivore)	0.02	0.01	0.00

Dietary-based RQs (Dietary-based EEC/LC50 or NOAEC)	RQs	
	Acute	Chronic
Short Grass	N/C	1.54
Tall Grass	N/C	0.71
Broadleaf plants/sm Insects	N/C	0.87
Fruits/pods/seeds/lg insects	N/C	0.10

N/C = not calculated

Mammalian Results

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	1511.71	35.17
	35	1223.14	28.45
	1000	529.04	12.31
Grainvores	15	1511.71	35.17
	35	1223.14	28.45
	1000	529.04	12.31

Dose-Based EECs (mg/kg-bw)	Mammalian Classes and Body weight					
	Herbivores/ insectivores (grams)			Granivores(grams)		
	15	35	1000	15	35	1000
Short Grass	376.20	260.01	60.28			
Tall Grass	172.43	119.17	27.63			
Broadleaf plants/sm Insects	211.61	146.25	33.91			
Fruits/pods/seeds/lg insects	23.51	16.25	3.77	5.23	3.61	0.84

Dose-based RQs (Dose-based EEC/LD50 or NOAEL)	Small mammal 15 grams		Medium mammal 35 grams		Large mammal 1000 grams	
	Acute	Chronic	Acute	Chronic	Acute	Chronic
Short Grass	0.25	10.70	0.21	9.14	0.11	4.90
Tall Grass	0.11	4.90	0.10	4.19	0.05	2.25
Broadleaf plants/sm insects	0.14	6.02	0.12	5.14	0.06	2.76
Fruits/pods/lg insects	0.02	0.67	0.01	0.57	0.01	0.31
Seeds (granivore)	0.00	0.15	0.00	0.13	0.00	0.07

Dietary-based RQs (Dietary-based EEC/LC50 or NOAEC)	Mammal RQs	
	Acute	Chronic
Short Grass	N/C	1.97
Tall Grass	N/C	0.90
Broadleaf plants/sm insects	N/C	1.11
Fruits/pods/seeds/lg insects	N/C	0.12

N/C = not calculated