

Appendix C Sample TREX

Upper Bound Kenaga Residues For RQ Calculation

Chemical Name:	Norflurazon
Use	0
Formulation	0
Application Rate	3.93 lbs a.i./acre
Half-life	35 days
Application Interval	0 days
Maximum # Apps./Year	0
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 as <0.01 in your assessment. This is due to rounding and significant figure issues in Excel.

Questions?
Comments?
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Endpoints

Avian	Mallard duck	LD50 (mg/kg-bw)	2510.00
	Bobwhite quail	LC50 (mg/kg-diet)	10000.00
	Mallard duck	NOAEL(mg/kg-bw)	0.00
	Bobwhite quail	NOAEC (mg/kg-diet)	40.00
Mammals		LD50 (mg/kg-bw)	9300.00
		LC50 (mg/kg-diet)	0.00
		NOAEL (mg/kg-bw)	18.75
		NOAEC (mg/kg-diet)	150.00

Dietary-based EECs (ppm)	Kenaga Values
Short Grass	943.20
Tall Grass	432.30
Broadleaf plants/sm Insects	530.55
Fruits/pods/seeds/lg insects	58.95

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
	100	13	65	65	6.49E-02
	1000	58	291	29	2.91E-01
Granivores	20	5	5	25	5.06E-03
	100	13	14	14	1.44E-02
	1000	58	65	6	6.46E-02

Avian Body Weight (g)	Adjusted LD50 (mg/kg-bw)
20	1303.26
100	1659.11
1000	2343.56

Dose-based EECs

(mg/kg-bw)	Avian Classes and Body Weights (grams)					
	small 20	mid 100	large 1000	Granivores(grams)		
				20	100	1000
Short Grass	1074.21	612.56	274.25			
Tall Grass	492.35	280.76	125.70			
Broadleaf plants/sm Insects	604.24	344.57	154.27			
Fruits/pods/seeds/lg insects	67.14	38.29	17.14	14.92	8.51	3.81

Dose-based RQs

(Dose-based EEC/adjusted LD50)	Avian Acute RQs Size Class (grams)		
	20	100	1000
Short Grass	0.82	0.37	0.12
Tall Grass	0.38	0.17	0.05
Broadleaf plants/sm insects	0.46	0.21	0.07
Fruits/pods/seeds/lg insects	0.05	0.02	0.01
Seeds (granivore)	0.01	0.01	0.00

Dietary-based RQs

(Dietary-based EEC/LC50 or NOAEC)	RQs	
	Acute	Chronic
Short Grass	0.09	23.58
Tall Grass	0.04	10.81
Broadleaf plants/sm Insects	0.05	13.26
Fruits/pods/seeds/lg insects	0.01	1.47

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