

## Upper Bound Kenaga Residues For RQ Calculation

Chemical Name:	ZIRAM
Use	Almonds
Formulation	0
Application Rate	6.1 lbs a.i./acre
Half-life	35 days
Application Interval	3 days
Maximum # Apps./Year	4
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.

## Endpoints

Avian	Bobwhite quail	LD50 (mg/kg-bw)	97.00
	Mallard duck	LC50 (mg/kg-diet)	5156.00
	Bobwhite quail	NOAEL(mg/kg-bw)	0.00
	Mallard duck	NOAEC (mg/kg-diet)	29.00

Dietary-based EECs (ppm)	Kenaga Values
Short Grass	5368.52
Tall Grass	2460.57
Broadleaf plants/sm Insects	3019.79
Fruits/pods/seeds/g insects	335.53
Small herbivore mammals	3537.55
Small insectivore mammals	221.10
Small terrestrial phase amphibians	104.82

## 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	97.00
37	97.00
238	97.00

Dose-based EECs (mg/kg-bw)	Herpetofaunal Size Classes and Body Weights		
	small (g)	mid (g)	large (g)
	1.4	37	238
Short Grass	208.58	204.99	134.35
Tall Grass	95.60	93.95	61.58
Broadleaf plants/sm Insects	117.32	115.30	75.57
Fruits/pods/seeds/g insects	13.04	12.81	8.40
Small herbivore mammals	N/A	3346.33	520.23
Small insectivore mammals	N/A	209.15	32.51
Small terrestrial phase amphibian	N/A	4.00	2.62

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	2.15	2.11	1.39
Tall Grass	0.99	0.97	0.63
Broadleaf plants/sm insects	1.21	1.19	0.78
Fruits/pods/seeds/g insects	0.13	0.13	0.09
Small herbivore mammals	N/A	34.50	5.36
Small insectivore mammals	N/A	2.16	0.34
Small terrestrial phase amphibian	N/A	0.04	0.03

Dietary-based RQs (Dietary-based EEC/LC50 or)	RQs	
	Acute	Chronic
Short Grass	1.04	185.12
Tall Grass	0.48	84.85
Broadleaf plants/sm Insects	0.59	104.13
Fruits/pods/seeds/g insects	0.07	11.57
Small herbivore mammals	0.69	121.98
Small insectivore mammals	0.04	7.62
Small terrestrial phase amphibian	0.02	3.61

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