

APPENDIX G. T-REX Example Output for Tribufos.

Inputs:

Chemical Name:	Tribufos
Use	Cotton
Application Rate	1.875 lbs a.i./acre
Half-life	35 days
Maximum # Apps./Year	1
Length of Simulation	1 year

Endpoints

Avian	Bobwhite quail	LD50 (mg/kg-bw)	151.00
	Bobwhite quail	LC50 (mg/kg-diet)	1519.00
	Bobwhite quail	NOAEC (mg/kg-diet)	280.00

Mammals	LD50 (mg/kg-bw)	192.00
	NOAEL (mg/kg-bw)	1.60
	NOAEC (mg/kg-diet)	32.00

Outputs:

TABLE G.1. Upper 90th Percentile Kenaga, Acute Avian Dose-Based Risk Quotients									
Size Class (grams)	Adjusted LD50	EECs and RQs							
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
20	108.78	512.50	4.71	234.90	2.16	288.28	2.65	32.03	0.29
100	138.49	292.25	2.11	133.95	0.97	164.39	1.19	18.27	0.13
1000	195.62	130.85	0.67	59.97	0.31	73.60	0.38	8.18	0.04

TABLE G.2. Upper 90th Percentile Kenaga, Subacute Avian Dietary Based Risk Quotients								
LC50	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
1519	450.00	0.30	206.25	0.14	253.13	0.17	28.13	0.02

Size class not used for dietary risk quotients

TABLE G.3. Upper 90th Percentile Kenega, Chronic Avian Dietary Based Risk Quotients								
NOAEC (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
280	450.00	1.61	206.25	0.74	253.13	0.90	28.13	0.10

Size class not used for dietary risk quotients

TABLE G.4. Upper 90th Percentile Kenega, Acute Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted LD50	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	421.98	429.04	1.02	196.64	0.47	241.34	0.57	26.82	0.06	5.96	0.01
35	341.43	296.52	0.87	135.91	0.40	166.79	0.49	18.53	0.05	4.12	0.01
1000	147.68	68.75	0.47	31.51	0.21	38.67	0.26	4.30	0.03	0.95	0.01

TABLE G.5. Upper 90th Percentile Kenega, Chronic Mammalian Dietary Based Risk Quotients								
NOAEC (ppm)	EECs and RQs							
	Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects	
	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
32	450.00	14.06	206.25	6.45	253.13	7.91	28.13	0.88

Size class not used for dietary risk quotients

TABLE G.6. Upper 90th Percentile Kenega, Chronic Mammalian Dose-Based Risk Quotients											
Size Class (grams)	Adjusted NOAEL	EECs and RQs									
		Short Grass		Tall Grass		Broadleaf Plants/ Small Insects		Fruits/Pods/ Seeds/ Large Insects		Granivore	
		EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ	EEC	RQ
15	3.52	429.04	122.01	196.64	55.92	241.34	68.63	26.82	7.63	5.96	1.69
35	2.85	296.52	104.22	135.91	47.77	166.79	58.62	18.53	6.51	4.12	1.45
1000	1.23	68.75	55.86	31.51	25.60	38.67	31.42	4.30	3.49	0.95	0.78