

Appendix E: Analysis Summary

Screening Level direct Effects						
1) For conservative estimate, frog assumed to eat small insects as surrogate for invertebrate diet items						
		Acute				
		Juvenile (20g)		Adult (100g)		
Crop	Application Rate	Dose	Diet	Dose	Diet	Chronic
Cotton-Pre Emergent	1	0.09	0.03	0.04	0.03	0.33
Cotton-Post Emergent	1.33	0.11	0.04	0.05	0.04	0.45
Sorghum	1.5	0.13	0.04	0.06	0.04	0.50
Legumes	1.67	0.14	0.05	0.06	0.05	0.56
Corn	1.67	0.14	0.05	0.06	0.05	0.56
Safflower	1.67	0.14	0.05	0.06	0.05	0.56
Soybeans	1.67	0.14	0.05	0.06	0.05	0.56
Potatoes	2	0.17	0.05	0.08	0.05	0.67
Screening Level Indirect Effects (Mammal prey)						
1) Assumed mouse was 15-35g, and eats fruits, pods, seeds and large insects						
ND No dietary data for small mammals						
		Small (15g)		Large (35g)		
		Dose		Dose		Diet
Crop	Application Rate	Acute	Chronic	Acute	Chronic	Chronic
Cotton-Pre Emergent	1	0.00	0.02	0.00	0.02	0.02
Cotton-Post Emergent	1.33	0.00	0.03	0.00	0.02	0.03
Sorghum	1.5	0.00	0.03	0.00	0.03	0.03
Legumes	1.67	0.00	0.04	0.00	0.03	0.04
Corn	1.67	0.00	0.04	0.00	0.03	0.04
Safflower	1.67	0.00	0.04	0.00	0.03	0.04
Potatoes	2	0.00	0.04	0.00	0.04	0.05
Soybeans	2.5	0.01	0.01	0.00	0.01	0.01
1) Assumed mouse was 15-35g, and short grass						
ND No dietary data for small mammals						
		Small (15g)		Large (35g)		
		Dose		Dose		Diet
Crop	Application Rate	Acute	Chronic	Acute	Chronic	Chronic
Cotton-Pre Emergent	1	0.04	0.35	0.04	0.30	0.04
Cotton-Post Emergent	1.33	0.06	0.46	0.05	0.39	0.05
Sorghum	1.5	0.06	0.52	0.05	0.44	0.06
Legumes	1.67	0.07	0.58	0.06	0.50	0.07
Corn	1.67	0.07	0.58	0.06	0.50	0.07
Safflower	1.67	0.07	0.58	0.06	0.50	0.07
Soybeans	1.67	0.07	0.58	0.06	0.50	0.07
Potatoes	2	0.08	0.69	0.07	0.59	0.08
EEC seeds and pods						
		T-REX	per bee	RQ		
Crop	Application Rate	ppm		contact	oral	
Cotton-Pre Emergent	1	135.00	17.28	0.09	0.20	
Cotton-Post Emergent	1.33	179.55	22.98	0.11	0.27	
Sorghum	1.5	202.50	25.92	0.13	0.30	
Legumes	1.67	225.45	28.86	0.14	0.34	
Corn	1.67	225.45	28.86	0.14	0.34	
Safflower	1.67	225.45	28.86	0.14	0.34	
Soybeans	1.67	225.45	28.86	0.14	0.34	
Potatoes	2	270.00	34.56	0.17	0.41	
Clearance	0.55	74.25	9.50	0.05	0.11	
	0.5	67.50	8.64	0.04	0.10	