

Appendix D. Representative PRZM/EXAMS Output for Cereal Grains – CA Wheat

stored as CeraelsA.out							
Chemical: Lambda Cyahalothrin							
PRZM environment: CAWheatRLF_V2.txt							
EXAMS environment: pond298.exv							
Metfile: w93193.dvf							
Water segment concentrations (ppb)							
Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0.051	0.021	0.008	0.004	0.004	0.002	
1962	0.053	0.023	0.011	0.007	0.006	0.003	
1963	0.056	0.025	0.012	0.007	0.007	0.005	
1964	0.064	0.027	0.013	0.008	0.007	0.005	
1965	0.057	0.026	0.013	0.009	0.008	0.006	
1966	0.060	0.027	0.013	0.009	0.008	0.006	
1967	0.064	0.027	0.013	0.009	0.008	0.006	
1968	0.072	0.029	0.014	0.009	0.008	0.006	
1969	0.057	0.027	0.014	0.010	0.009	0.007	
1970	0.066	0.029	0.015	0.010	0.009	0.007	
1971	0.059	0.028	0.014	0.010	0.009	0.007	
1972	0.071	0.029	0.014	0.010	0.009	0.007	
1973	0.057	0.027	0.015	0.010	0.009	0.007	
1974	0.057	0.027	0.015	0.010	0.009	0.007	
1975	0.058	0.027	0.014	0.010	0.009	0.007	
1976	0.057	0.027	0.014	0.010	0.009	0.007	
1977	0.070	0.029	0.015	0.010	0.009	0.007	
1978	0.057	0.027	0.016	0.011	0.010	0.007	
1979	0.067	0.029	0.016	0.011	0.010	0.007	
1980	0.058	0.028	0.015	0.010	0.009	0.007	
1981	0.058	0.027	0.016	0.011	0.010	0.007	
1982	0.057	0.028	0.015	0.010	0.009	0.007	
1983	0.067	0.030	0.015	0.011	0.010	0.007	
1984	0.062	0.030	0.015	0.010	0.009	0.007	
1985	0.058	0.027	0.014	0.009	0.008	0.006	
1986	0.073	0.029	0.015	0.010	0.009	0.007	
1987	0.058	0.027	0.013	0.009	0.008	0.006	
1988	0.057	0.027	0.014	0.009	0.008	0.006	
1989	0.057	0.027	0.014	0.009	0.008	0.006	
1990	0.056	0.025	0.013	0.009	0.008	0.006	
Sorted results	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
Prob.	0.032	0.030	0.016	0.011	0.010	0.007	
	0.065	0.030	0.016	0.011	0.010	0.007	
	0.097	0.029	0.016	0.011	0.010	0.007	
	0.129	0.029	0.015	0.011	0.010	0.007	
	0.161	0.029	0.015	0.010	0.009	0.007	
	0.194	0.029	0.015	0.010	0.009	0.007	
	0.226	0.029	0.015	0.010	0.009	0.007	
	0.258	0.029	0.015	0.010	0.009	0.007	
	0.290	0.028	0.015	0.010	0.009	0.007	
	0.323	0.028	0.015	0.010	0.009	0.007	
	0.355	0.028	0.015	0.010	0.009	0.007	
	0.387	0.027	0.015	0.010	0.009	0.007	
	0.419	0.027	0.014	0.010	0.009	0.007	
	0.452	0.027	0.014	0.010	0.009	0.007	
	0.484	0.027	0.014	0.010	0.009	0.007	
	0.516	0.027	0.014	0.010	0.009	0.007	
	0.548	0.027	0.014	0.010	0.009	0.007	
	0.581	0.027	0.014	0.009	0.008	0.006	
	0.613	0.027	0.014	0.009	0.008	0.006	
	0.645	0.027	0.014	0.009	0.008	0.006	
	0.677	0.027	0.014	0.009	0.008	0.006	
	0.710	0.027	0.013	0.009	0.008	0.006	
	0.742	0.027	0.013	0.009	0.008	0.006	
	0.774	0.027	0.013	0.009	0.008	0.006	
	0.806	0.027	0.013	0.009	0.008	0.006	
	0.839	0.026	0.013	0.009	0.008	0.006	
	0.871	0.025	0.013	0.008	0.007	0.005	
	0.903	0.025	0.012	0.007	0.007	0.005	
	0.935	0.023	0.011	0.007	0.006	0.003	
	0.968	0.021	0.008	0.004	0.004	0.002	
	0.100	0.071	0.029	0.016	0.011	0.010	0.007
					Average of	0.006	
Inputs generated by pe5.pl - Novemeber 2006							
Data used for this run:							
Output File: CeraelsA							
Metfile:	w93193.dvf						
PRZM scenario:	CAWheatRLF_V2.txt						
EXAMS environment file:	pond298.exv						
Chemical Name:	Lambda Cyahalothrin						
Description	Variable N	Value	Units	Comments			
Molecular weight	mwt	449.86	g/mol				
Henry's Law Const.	henry	1.90E-07	atm-m^3/mol				
Vapor Pressure	vapr	1.56E-09	torr				
Solubility	sol	0.005	mg/L				
Kd	Kd		mg/L				
Koc	Koc	333200	mg/L				
Photolysis half-life	kdp	13	days	Half-life			
Aerobic Aquatic Metabolism	kbacw	53.4	days	Halfife			
Anaerobic Aquatic Metabolism	kbacs	426	days	Halfife			
Aerobic Soil Metabolism	asm	60.6	days	Halfife			
Hydrolysis:	ph 7	0	days	Half-life			
Method:	CAM	2	Integer	See PRZM manual			
Incorporation Depth:	DEPI		cm				
Application Rate:	TAPP	0.035	kg/ha				
Application Efficiency:	APPEFF	0.95	fraction				
Spray Drift	DRFT	0.05	fraction of application rate applied to pond				
Application Date	Date	29-05	dd/mm or dd/mmm or dd-mm or dd-mmm				
Interval 1	Interval	3	days	Set to 0 or delete line for single app			
app. rate 1	apprate	0.035	kg/ha				
Record 17:	FILTRA						
	IPSCND	1					
	UPTKF						
Record 18:	PLVKRT						
	PLDKRT						
	FEXTRC	0.5					
Flag for Index Res. Run	IR	EPA Pond					
Flag for runoff calc.	RUNOFF	none	none, monthly or total(average of entire run)				