Appendix D – Example Output from PRZM-EXAMS

stored as CA almond chlorothalonil ground.out
Chemical: Chlorothalonil
PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at 12:17:16
EXAMS environment: pond298.exv modified Wedday, 15 November 2006 at 13:47:26
Metfile: w23232.dvf modified Wedday, 3 July 2002 at 10:04:22
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.356	2.524	1.889	0.8464	0.5882	0.1475
1962	4.589	2.683	2.01	0.9001	0.6227	0.2065
1963	8.541	5.996	2.989	1.761	1.204	0.3006
1964	3.178	2.45	1.962	0.9005	0.6261	0.1605
1965	3.138	2.33	1.852	0.8376	0.5888	0.1481
1966	3.319	2.444	1.821	0.8411	0.5913	0.153
1967	7.444	4.885	2.638	1.197	0.8206	0.2047
1968	3.718	2.668	1.949	0.8762	0.609	0.1525
1969	3.224	2.417	1.864	0.857	0.6019	0.151
1970	2.995	2.184	1.821	0.8918	0.6159	0.1602
1971	3.267	2.444	1.898	0.8855	0.6184	0.1552
1972	2.961	2.136	1.636	0.7782	0.5523	0.1401
1973	3.343	2.468	1.922	0.8787	0.6088	0.1522
1974	3.091	2.283	1.824	0.8036	0.5653	0.142
1975	5.988	4.253	2.696	1.271	0.8764	0.2183
1976	3.692	2.667	1.896	0.8832	0.6325	0.1597
1977	4.09	2.729	2.058	0.9692	0.6669	0.1681
1978	5.214	3.47	2.167	0.886	0.6207	0.1557
1979	3.138	2.287	1.775	0.8293	0.5747	0.1444
1980	3.176	2.371	1.968	0.913	0.6364	0.1597
1981	4.771	3.354	2.31	1.034	0.7141	0.1782
1982	12.41	7.749	2.833	1.901	1.308	0.3253
1983	11.07	7.29	3.406	1.475	1.027	0.2553
1984	2.868	2.053	1.621	0.7487	0.524	0.131
1985	3.245	2.442	1.91	0.8443	0.5869	0.1481
1986	4.731	3.129	2.052	0.9004	0.6213	0.1552
1987	5.34	3.953	2.396	1.031	0.7081	0.1767
1988	3.003	2.163	1.719	0.8328	0.588	0.149
1989	6.009	4.034	2.269	1.022	0.7004	0.1748
1990	3.021	2.21	1.732	0.7876	0.5757	0.1492

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	12.41	7.749	3.406	1.901	1.308	0.3253
0.0645161290322581	11.07	7.29	2.989	1.761	1.204	0.3006
0.0967741935483871	8.541	5.996	2.833	1.475	1.027	0.2553
0.129032258064516	7.444	4.885	2.696	1.271	0.8764	0.2183
0.161290322580645	6.009	4.253	2.638	1.197	0.8206	0.2065

0.193548387096774	5.988	4.034	2.396	1.034	0.7141	0.2047
0.225806451612903	5.34	3.953	2.31	1.031	0.7081	0.1782
0.258064516129032	5.214	3.47	2.269	1.022	0.7004	0.1767
0.290322580645161	4.771	3.354	2.167	0.9692	0.6669	0.1748
0.32258064516129	4.731	3.129	2.058	0.913	0.6364	0.1681
0.354838709677419	4.589	2.729	2.052	0.9005	0.6325	0.1605
0.387096774193548	4.09	2.683	2.01	0.9004	0.6261	0.1602
0.419354838709677	3.718	2.668	1.968	0.9001	0.6227	0.1597
0.451612903225806	3.692	2.667	1.962	0.8918	0.6213	0.1597
0.483870967741936	3.356	2.524	1.949	0.886	0.6207	0.1557
0.516129032258065	3.343	2.468	1.922	0.8855	0.6184	0.1552
0.548387096774194	3.319	2.45	1.91	0.8832	0.6159	0.1552
0.580645161290323	3.267	2.444	1.898	0.8787	0.609	0.153
0.612903225806452	3.245	2.444	1.896	0.8762	0.6088	0.1525
0.645161290322581	3.224	2.442	1.889	0.857	0.6019	0.1522
0.67741935483871	3.178	2.417	1.864	0.8464	0.5913	0.151
0.709677419354839	3.176	2.371	1.852	0.8443	0.5888	0.1492
0.741935483870968	3.138	2.33	1.824	0.8411	0.5882	0.149
0.774193548387097	3.138	2.287	1.821	0.8376	0.588	0.1481
0.806451612903226	3.091	2.283	1.821	0.8328	0.5869	0.1481
0.838709677419355	3.021	2.21	1.775	0.8293	0.5757	0.1475
0.870967741935484	3.003	2.184	1.732	0.8036	0.5747	0.1444
0.903225806451613	2.995	2.163	1.719	0.7876	0.5653	0.142
0.935483870967742	2.961	2.136	1.636	0.7782	0.5523	0.1401
0.967741935483871	2.868	2.053	1.621	0.7487	0.524	0.131

0.1	8.4313	5.8849	2.8193	1.4546	1.01194	0.2516

Average of yearly averages: 0.174093333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: CA almond chlorothalonil ground
Metfile:w23232.dvf
PRZM scenario: CAalmond_WirrigSTD.txt
EXAMS environment file: pond298.exv
Chemical Name: Chlorothalonil

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	265.9	g/mol	
Henry's Law Const.	henry	2.6e-7	atm-m^3/mol	
Vapor Pressure	vapr	5.72e-7	torr	
Solubility	sol	0.8	mg/L	
Kd	Kd		mg/L	
Koc	Koc	4040	mg/L	
Photolysis half-life	kdp	0.4	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1.5	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	11.5	days	Halfife
Aerobic Soil Metabolism	asm	16	days	Halfife

Hydrolysis:	pH 7	0	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	3.4	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	1-3	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	3.4	kg/ha	
Interval 2	interval	3	days	Set to 0 or delete line for single app.
app. rate 2	apprate	3.4	kg/ha	
Interval 3	interval	3	days	Set to 0 or delete line for single app.
app. rate 3	apprate	3.4	kg/ha	
Interval 4	interval	3	days	Set to 0 or delete line for single app.
app. rate 4	apprate	3.4	kg/ha	
Interval 5	interval	3	days	Set to 0 or delete line for single app.
app. rate 5	apprate	3.4	kg/ha	
Interval 6	interval	3	days	Set to 0 or delete line for single app.
app. rate 6	apprate	0.9	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)