

Appendix D. Example Output from PE5

stored as colecrops.out

Chemical: PCNB

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March 2008 at 09:29:34

EXAMS environment: pond298.exv modified Wedday, 15 November 2006 at 12:47:26

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	12.4	9.067	3.715	2.304	1.952	0.8935
1962	20.68	14.87	7.118	4.603	3.989	2.163
1963	22.85	16.83	8.832	5.639	5.123	2.542
1964	20.08	15.4	6.91	4.69	3.776	1.651
1965	15.57	12.84	6.978	3.787	3.025	1.795
1966	18.89	14.56	7.057	4.804	3.869	1.982
1967	53.04	40.13	21.18	11.08	9.606	4.019
1968	15.73	12.04	6.406	5.21	4.631	2.001
1969	15.01	12.89	7.989	6.522	5.328	2.182
1970	16.58	13.14	7.9	5.178	4.222	1.942
1971	14.51	10.75	5.156	3.12	2.984	1.341
1972	15.02	11.79	5.746	4.38	3.531	1.54
1973	24	19.15	12.11	8.77	7.359	3.462
1974	18.3	14.75	7.681	4.507	4.093	1.943
1975	14.38	10.46	5.374	3.996	3.851	1.789
1976	13.99	9.691	4.41	2.355	2.34	1.055
1977	31.79	24.12	10.97	5.469	4.656	2.011
1978	17.49	15.03	11.71	7.932	7.037	2.965
1979	22.27	17.4	10.33	7.12	5.968	2.671
1980	16.86	12.71	9.505	7.038	6.128	2.484
1981	17.82	14.52	7.879	5.076	4.573	2.312
1982	69.74	50.65	22.57	12.65	10.49	5.089
1983	18.67	14.76	10.04	7.422	7.046	3.26
1984	15.61	11.63	5.423	3.205	2.686	1.4
1985	13.41	10.04	4.764	3.651	3.218	1.506
1986	21.56	16.79	8.128	5.853	5.432	2.24
1987	15.6	12.16	5.864	4.192	3.453	1.511
1988	13.32	10.39	5.845	3.622	2.855	1.468
1989	14.78	10.86	4.892	2.766	2.662	1.292
1990	13.49	9.809	5.277	3.332	2.669	1.178

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	69.74	50.65	22.57	12.65	10.49	5.089
0.0645161290322581		53.04	40.13	21.18	11.08	9.606
0.0967741935483871		31.79	24.12	12.11	8.77	7.359
0.12903225806451624		19.15	11.71	7.932	7.046	3.26
0.16129032258064522	85	17.4	10.97	7.422	7.037	2.965
0.19354838709677422	27	16.83	10.33	7.12	6.128	2.671
0.22580645161290321	56	16.79	10.04	7.038	5.968	2.542
0.25806451612903220	68	15.4	9.505	6.522	5.432	2.484
0.29032258064516120	08	15.03	8.832	5.853	5.328	2.312

0.32258064516129 18.89 14.87 8.128 5.639 5.123 2.24
0.35483870967741918.67 14.76 7.989 5.469 4.656 2.182
0.38709677419354818.3 14.75 7.9 5.21 4.631 2.163
0.41935483870967717.82 14.56 7.879 5.178 4.573 2.011
0.45161290322580617.49 14.52 7.681 5.076 4.222 2.001
0.48387096774193616.86 13.14 7.118 4.804 4.093 1.982
0.51612903225806516.58 12.89 7.057 4.69 3.989 1.943
0.54838709677419415.73 12.84 6.978 4.603 3.869 1.942
0.58064516129032315.61 12.71 6.91 4.507 3.851 1.795
0.61290322580645215.6 12.16 6.406 4.38 3.776 1.789
0.64516129032258115.57 12.04 5.864 4.192 3.531 1.651
0.67741935483871 15.02 11.79 5.845 3.996 3.453 1.54
0.70967741935483915.01 11.63 5.746 3.787 3.218 1.511
0.74193548387096814.78 10.86 5.423 3.651 3.025 1.506
0.77419354838709714.51 10.75 5.374 3.622 2.984 1.468
0.80645161290322614.38 10.46 5.277 3.332 2.855 1.4
0.83870967741935513.99 10.39 5.156 3.205 2.686 1.341
0.87096774193548413.49 10.04 4.892 3.12 2.669 1.292
0.90322580645161313.41 9.809 4.764 2.766 2.662 1.178
0.93548387096774213.32 9.691 4.41 2.355 2.34 1.055
0.96774193548387112.4 9.067 3.715 2.304 1.952 0.8935

0.1 31.011 23.623 12.07 8.6862 7.3277 3.4418
Average of yearly averages: 2.12291666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: colecrops

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: PCNB

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	295.3	g/mol	
Henry's Law Const.	henry	9.98E-05	atm-m ³ /mol	
Vapor Pressure	vapr	1.13E-04	torr	
Solubility	sol	0.44	mg/L	
Kd	Kd		mg/L	
Koc	Koc	6470	mg/L	
Photolysis half-life	kdp	1.8	days	Half-life
Aerobic Aquatic Metabolism	kbacw	2248	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	2004	days	Halfife
Aerobic Soil Metabolism	asm	1124	days	Halfife
Hydrolysis: pH 5	0		days	Half-life
Hydrolysis: pH 7	0		days	Half-life
Hydrolysis: pH 9	0		days	Half-life
Method:	CAM	4	integer	See PRZM manual
Incorporation Depth:	DEPI	10	cm	
Application Rate:	TAPP	25.2	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	1/1	dd/mm or dd/mm or dd-mm or dd-mmm	

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)