

Appendix D. Example Output from PE5

Application of Bensulide to Cantaloupe

stored as CA Melon-1-Cantaloupe-TTR.out

Chemical: Bensulide

PRZM environment: CAMelonsRLF_V2.txt modified Wedday, 26 March 2008 at 10:33:26

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 06:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	7.674	7.525	6.981	6.332	6.049	3.868
1962	14.49	14.2	13.14	11.47	10.62	7.277
1963	69.75	68.32	66.23	60.93	56.79	34.94
1964	31.6	31.38	30.5	29.68	28.88	24.27
1965	131	128	117	107	98.61	61.32
1966	49.15	48.86	48.01	46.51	46.69	37.94
1967	74.01	73.12	71.55	67.18	64.08	44.96
1968	64.94	64.04	60.72	57.87	55	41.27
1969	76.26	74.91	69.99	62.15	58.09	42.21
1970	149	146	135	118	108	70.95
1971	82.18	81.08	77.05	71.23	67.78	54.52
1972	42.79	42.52	41.48	39.92	40.2	33.48
1973	54.03	53.31	50.65	45.29	42.44	31.21
1974	49.77	49.04	47.03	42.66	41.13	30.74
1975	34.36	33.93	32.37	29.85	28.59	22.68
1976	24.37	24.07	22.95	21.32	20.37	16.1
1977	26.18	25.76	24.2	22.6	22.44	16.93
1978	76.56	74.78	71.15	68.94	64.94	41.99
1979	49.76	49.19	47.17	45.66	43.92	34.19
1980	77.65	76.11	70.52	61.74	57.3	39.6
1981	54.93	54.35	51.47	48.44	46.12	35.06
1982	75.44	74.03	71.18	64.95	60.67	42.03
1983	112	111	107	100	94.6	64.13
1984	49.09	48.8	48.03	46.45	46.73	38.01
1985	33.18	32.86	31.95	30.15	29.05	23.82
1986	87.49	85.58	78.64	68.77	63.43	40.92
1987	69.46	68.41	66.63	61.89	59.74	44.57
1988	98.29	96.46	91.43	80.6	74.94	51.78
1989	104	102	95.79	87.02	83.59	61.93
1990	64.51	63.8	61.13	57.87	56.63	47.14

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129		149	146	135	118	108 70.95
0.0645161290322581		131	128	117	107	98.61 64.13
0.0967741935483871		112	111	107	100	94.6 61.93

0.129032258064516	104	102	95.79	87.02	83.59	61.32
0.161290322580645	98.29	96.46	91.43	80.6	74.94	54.52
0.193548387096774	87.49	85.58	78.64	71.23	67.78	51.78
0.225806451612903	82.18	81.08	77.05	68.94	64.94	47.14
0.258064516129032	77.65	76.11	71.55	68.77	64.08	44.96
0.290322580645161	76.56	74.91	71.18	67.18	63.43	44.57
0.32258064516129	76.26	74.78	71.15	64.95	60.67	42.21
0.354838709677419	75.44	74.03	70.52	62.15	59.74	42.03
0.387096774193548	74.01	73.12	69.99	61.89	58.09	41.99
0.419354838709677	69.75	68.41	66.63	61.74	57.3	41.27
0.451612903225806	69.46	68.32	66.23	60.93	56.79	40.92
0.483870967741936	64.94	64.04	61.13	57.87	56.63	39.6
0.516129032258065	64.51	63.8	60.72	57.87	55	38.01
0.548387096774194	54.93	54.35	51.47	48.44	46.73	37.94
0.580645161290323	54.03	53.31	50.65	46.51	46.69	35.06
0.612903225806452	49.77	49.19	48.03	46.45	46.12	34.94
0.645161290322581	49.76	49.04	48.01	45.66	43.92	34.19
0.67741935483871	49.15	48.86	47.17	45.29	42.44	33.48
0.709677419354839	49.09	48.8	47.03	42.66	41.13	31.21
0.741935483870968	42.79	42.52	41.48	39.92	40.2	30.74
0.774193548387097	34.36	33.93	32.37	30.15	29.05	24.27
0.806451612903226	33.18	32.86	31.95	29.85	28.88	23.82
0.838709677419355	31.6	31.38	30.5	29.68	28.59	22.68
0.870967741935484	26.18	25.76	24.2	22.6	22.44	16.93
0.903225806451613	24.37	24.07	22.95	21.32	20.37	16.1
0.935483870967742	14.49	14.2	13.14	11.47	10.62	7.277
0.967741935483871	7.674	7.525	6.981	6.332	6.049	3.868

0.1	111.2	110.1	105.879	98.702	93.499	61.869
Average of yearly averages:						37.9945

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: CA Melon-1-Cantaloupe-TTR

Metfile:w93193.dvf

PRZM scenario: CAMelonsRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Bensulide

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	397.5	g/mol	
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Henry's Law Const.	henry	7.1e-12	atm-m ³ /mol	
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Vapor Pressure	vapr	2.48e-8	torr	
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Solubility	sol	5.6	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	557	mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	4494	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	2247	days	Halfife
Hydrolysis:	pH 7	220	days	Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	10.08	kg/ha	
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	1-3	dd/mm or dd/mm/ or dd-mm or dd-mm/	
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)	