

APPENDIX K: PRZM-EXAMS Output Files

Beans:

stored as beans2.out

Chemical: phorate

PRZM environment: CARowCropRLF_V2.txt modified Wedday, 26 March 2008 at 09:38:52

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30

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	3.027	1.906	0.5639	0.1983	0.1322	0.03324
1962	5.684	4.203	1.289	0.4534	0.3024	0.07456
1963	0.6556		0.4126	0.1452	0.05117	0.03412
	0.008466					
1964	0.3625		0.2283	0.07114	0.0252	0.0168
	0.007489					
1965	0.1003		0.07423	0.02355	0.008299	0.005532
	0.002448					
1966	1.124	0.7164	0.3082	0.1146	0.0764	0.01884
1967	0.7437		0.4698	0.1767	0.06289	0.04194
	0.01034					
1968	0.1406		0.08927	0.02675	0.009499	0.006333
	0.001557					
1969	2.206	1.381	0.4058	0.1438	0.09591	0.02365
1970	0.1273		0.08139	0.02468	0.009	0.006
					0.009	0.006
1971	0.05509		0.03512	0.01274	0.006767	0.004511
	0.001112					
1972	2.855	1.819	0.6181	0.2181	0.1454	0.03576
1973	0.4871		0.3073	0.1479	0.05643	0.03762
	0.009278					
1974	0.002336		0.001491	0.0004656	0.0002204	0.0001469
	3.681e-005					
1975	0.5134		0.3785	0.1157	0.0408	0.0272
	0.006711					
1976	0.09679		0.06209	0.0189	0.007175	0.004791
	0.00118					
1977	0.3315		0.21	0.06277	0.02239	0.01493
						0.003827
1978	0.86	0.5418		0.2883	0.105	0.07003
						0.0173
1979	0.7065		0.444	0.1417	0.051	0.03402
						0.008388
1980	1.134	0.7266		0.2205	0.07757	0.05171
						0.01272
1981	0.6367		0.402	0.141	0.05123	0.03415
						0.008507
1982	0.6519		0.4098	0.1221	0.04462	0.02975
	0.007336					
1983	0.7332		0.4856	0.1984	0.07056	0.04704
	0.01161					
1984	0.4557		0.2864	0.1397	0.05491	0.03661
	0.009002					
1985	0.1681		0.107	0.03292	0.01761	0.01176
						0.0029
1986	0.01841		0.01182	0.003604	0.001261	0.0008409
	0.0002081					
1987	0.417	0.2628		0.0782	0.03177	0.02118
						0.005302
1988	9.379	6.105	1.915	0.6763	0.4509	0.1109

1989	0.4565	0.2863	0.08441	0.0371	0.02544
	0.006274				
1990	2.5	1.564	0.4574	0.1608	0.1072
					0.02656

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	9.379	6.105	1.915	0.6763	0.4509	0.1109
0.0645161290322581		5.684	4.203	1.289	0.4534	0.3024
0.07456						
0.0967741935483871		3.027	1.906	0.6181	0.2181	0.1454
0.03576						
0.129032258064516	2.855	1.819	0.5639		0.1983	0.1322
0.03324						
0.161290322580645	2.5	1.564	0.4574		0.1608	0.1072
0.02656						
0.193548387096774	2.206	1.381	0.4058		0.1438	0.09591
0.02365						
0.225806451612903	1.134	0.7266		0.3082	0.1146	0.0764
0.01884						
0.258064516129032	1.124	0.7164		0.2883	0.105	0.07003
0.0173						
0.290322580645161	0.86	0.5418		0.2205	0.07757	0.05171
0.01272						
0.32258064516129	0.7437		0.4856		0.1984	0.07056
0.04704	0.01161					
0.354838709677419	0.7332		0.4698		0.1767	0.06289
0.04194	0.01034					
0.387096774193548	0.7065		0.444	0.1479	0.05643	0.03762
0.009278						
0.419354838709677	0.6556		0.4126		0.1452	0.05491
0.03661	0.009002					
0.451612903225806	0.6519		0.4098		0.1417	0.05123
0.03415	0.008507					
0.483870967741936	0.6367		0.402	0.141	0.05117	0.03412
0.008466						
0.516129032258065	0.5134		0.3785		0.1397	0.051
0.008388						0.03402
0.548387096774194	0.4871		0.3073		0.1221	0.04462
0.02975	0.007489					
0.580645161290323	0.4565		0.2864		0.1157	0.0408
0.0272	0.007336					
0.612903225806452	0.4557		0.2863		0.08441	0.0371
0.02544	0.006711					
0.645161290322581	0.417	0.2628		0.0782	0.03177	0.02118
0.006274						
0.67741935483871	0.3625		0.2283		0.07114	0.0252
0.0168	0.005302					
0.709677419354839	0.3315		0.21	0.06277	0.02239	0.01493
0.003827						
0.741935483870968	0.1681		0.107	0.03292	0.01761	0.01176
0.0029						
0.774193548387097	0.1406		0.08927		0.02675	0.009499
0.006333	0.002448					
0.806451612903226	0.1273		0.08139		0.02468	0.009
0.001557						0.006
0.838709677419355	0.1003		0.07423		0.02355	0.008299
0.005532	0.001481					

0.870967741935484	0.09679	0.06209	0.0189	0.007175
0.004791	0.00118			
0.903225806451613	0.05509	0.03512	0.01274	0.006767
0.004511	0.001112			
0.935483870967742	0.01841	0.01182	0.003604	0.001261
0.0008409	0.0002081			
0.967741935483871	0.002336	0.001491	0.0004656	0.0002204
0.0001469	3.681e-005			
0.1	3.0098	1.8973	0.61268	0.21612
0.035508				0.14408

Average of yearly averages: 0.015566097

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: beans2

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	260.4	g/mol	
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Henry's Law Const.	henry	5.8E-6		atm-m^3/mol
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Vapor Pressure	vapr	7.5E-4	torr	
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Solubility	sol	500	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	50	mg/L	
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Photolysis half-life	kdp	1.1	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days	Halfife
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Aerobic Soil Metabolism	asm	137	days	Halfife
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Hydrolysis: pH 7	3.2	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	1.702	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.00	fraction of application rate applied to pond	
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm	
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.0
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Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

Corn:

stored as corn.out

Chemical: phorate

PRZM environment: CAcornOP.txt
10:21:10

modified Thuday, 14 June 2007 at

EXAMS environment: pond298.exv
16:33:30

modified Thuday, 29 August 2002 at

Metfile: w23232.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	0.1344		0.08583	0.0312	0.01106	0.007374
	0.001818					
1962	4.028	2.798	0.9268	0.3267	0.2179	0.05372
1963	0.002552		0.001617	0.0004832	0.00017	0.0001134
	4.637e-005					
1964	0.9068		0.6259	0.2015	0.07103	0.04735
	0.01164					
1965	0.2941		0.1889	0.0566	0.01992	0.01328
	0.003681					
1966	3.129	1.997	0.622	0.2195	0.1463	0.03609
1967	0.2514		0.1608	0.04858	0.0171	0.0114
	0.002815					
1968	0.09982		0.07222	0.02293	0.00808	0.005387
	0.001325					
1969	0.2696		0.1708	0.05101	0.01955	0.01311
	0.003726					
1970	0.2212		0.1473	0.05124	0.02017	0.01345
	0.003317					
1971	0.007424		0.004748	0.001437	0.0005129	0.0003419
	8.457e-005					
1972	0.01553		0.01047	0.003574	0.001283	0.0008553
	0.0002104					
1973	0.2095		0.1331	0.04085	0.0168	0.0112
	0.002761					
1974	0.1334		0.08282	0.02408	0.008466	0.005644
	0.00162					
1975	0.1484		0.09949	0.03019	0.01129	0.007525
	0.001855					
1976	0.003638		0.002333	0.0007086	0.0002835	0.000189
	4.652e-005					
1977	0.53	0.3344	0.09936	0.03496	0.02331	0.006574
1978	0.7284		0.4633	0.1391	0.04895	0.03264
	0.008152					
1979	0.2728		0.1723	0.05293	0.01867	0.01245
	0.003069					
1980	0.07609		0.04938	0.01515	0.005338	0.003559
	0.0008753					
1981	0.1729		0.1096	0.03273	0.01151	0.007676
	0.002023					
1982	0.3022		0.1899	0.06346	0.02356	0.01571
	0.003874					
1983	0.7789		0.5545	0.1891	0.06659	0.0444
	0.01095					
1984	0.4207		0.2658	0.0796	0.02812	0.01874
	0.004609					

1985	0.006576	0.004233	0.001303	0.0005212	0.0003474
	8.578e-005				
1986	0.006089	0.003813	0.001125	0.0003959	0.0002641
	6.524e-005				
1987	1.309	0.8326	0.2507	0.09001	0.06001
					0.01483
1988	3.823	2.645	0.8052	0.2837	0.1891
					0.04651
1989	2.296	1.446	0.428	0.1507	0.1004
					0.02477
1990	0.6344	0.3966	0.1158	0.04086	0.02729
	0.006745				

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	4.028	2.798	0.9268		0.3267	0.2179
	0.05372					
0.0645161290322581		3.823	2.645	0.8052	0.2837	0.1891
	0.04651					
0.0967741935483871		3.129	1.997	0.622	0.2195	0.1463
	0.03609					
0.129032258064516	2.296	1.446	0.428	0.1507	0.1004	0.02477
0.161290322580645	1.309	0.8326		0.2507	0.09001	0.06001
	0.01483					
0.193548387096774	0.9068		0.6259		0.2015	0.07103
	0.04735	0.01164				
0.225806451612903	0.7789		0.5545		0.1891	0.06659
	0.0444	0.01095				
0.258064516129032	0.7284		0.4633		0.1391	0.04895
	0.03264	0.008152				
0.290322580645161	0.6344		0.3966		0.1158	0.04086
	0.02729	0.006745				
0.32258064516129	0.53	0.3344		0.09936	0.03496	0.02331
	0.006574					
0.354838709677419	0.4207		0.2658		0.0796	0.02812
	0.01874	0.004609				
0.387096774193548	0.3022		0.1899		0.06346	0.02356
	0.01571	0.003874				
0.419354838709677	0.2941		0.1889		0.0566	0.02017
	0.01345	0.003726				
0.451612903225806	0.2728		0.1723		0.05293	0.01992
	0.01328	0.003681				
0.483870967741936	0.2696		0.1708		0.05124	0.01955
	0.01311	0.003317				
0.516129032258065	0.2514		0.1608		0.05101	0.01867
	0.01245	0.003069				
0.548387096774194	0.2212		0.1473		0.04858	0.0171
	0.0114	0.002815				
0.580645161290323	0.2095		0.1331		0.04085	0.0168
	0.0112	0.002761				
0.612903225806452	0.1729		0.1096		0.03273	0.01151
	0.007676	0.002023				
0.645161290322581	0.1484		0.09949		0.0312	0.01129
	0.007525	0.001855				
0.67741935483871	0.1344		0.08583		0.03019	0.01106
	0.007374	0.001818				
0.709677419354839	0.1334		0.08282		0.02408	0.008466
	0.005644	0.00162				
0.741935483870968	0.09982		0.07222		0.02293	0.00808
	0.005387	0.001325				

0.774193548387097	0.07609	0.04938	0.01515	0.005338
0.003559	0.0008753			
0.806451612903226	0.01553	0.01047	0.003574	0.001283
0.0008553	0.0002104			
0.838709677419355	0.007424	0.004748	0.001437	0.0005212
0.0003474	8.578e-005			
0.870967741935484	0.006576	0.004233	0.001303	0.0005129
0.0003419	8.457e-005			
0.903225806451613	0.006089	0.003813	0.001125	0.0003959
0.0002641	6.524e-005			
0.935483870967742	0.003638	0.002333	0.0007086	0.0002835
0.000189	4.652e-005			
0.967741935483871	0.002552	0.001617	0.0004832	0.00017
0.0001134	4.637e-005			
0.1	3.0457	1.9419	0.6026	0.21262
	0.034958			0.14171
			Average of yearly averages:	
	0.0085962726666667			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: corn

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		260.4	g/mol	
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Henry's Law Const.	henry		5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr		7.5E-4	torr	
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp	1.1	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days		Halfife
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Aerobic Soil Metabolism	asm	137	days		Halfife
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Hydrolysis: pH 7	3.2	days			Half-life
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Method:	CAM	1	integer		See PRZM manual
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.456	kg/ha		
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Application Efficiency:	APPEFF	0.99			fraction
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Spray Drift	DRFT	0			fraction of application rate applied to pond
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.0

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

Sweet Corn:

stored as cornswt2.out

Chemical: phorate

PRZM environment: CAcornOP.txt modified Thuday, 14 June 2007 at 10:21:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30

Metfile: w23232.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	0.8979		0.5732	0.2239	0.0796	0.05307
	0.01308					
1962	7.413	5.186	1.713	0.604	0.4027	0.09931
1963	0.1535		0.09777	0.03189	0.01247	0.008317
	0.002054					
1964	3.921	2.66	0.8649	0.3049	0.2033	0.04999
1965	0.4232		0.2626	0.07633	0.02683	0.01789
	0.007816					
1966	7.06	4.507	1.41	0.4977	0.3318	0.08182
1967	0.05413		0.03833	0.01454	0.005132	0.003421
	0.0008522					
1968	0.2804		0.2003	0.06392	0.02253	0.01502
	0.003695					
1969	1.329	0.8421		0.2515	0.09717	0.0654
1970	0.3572		0.2384	0.08214	0.03232	0.02155
	0.005322					
1971	0.08064		0.05157	0.0156	0.00567	0.00378
	0.0009324					
1972	0.1989		0.1303	0.04929	0.01808	0.01205
	0.002966					
1973	0.3633		0.2308	0.07095	0.02895	0.0193
	0.00476					
1974	0.4709		0.2923	0.08499	0.02987	0.01992
	0.005902					
1975	0.2717		0.1828	0.05562	0.02109	0.01406
	0.003468					
1976	0.004953		0.003176	0.0009649	0.000386	0.0002573
	6.337e-005					
1977	0.7469		0.4675	0.1375	0.04839	0.04485
	0.01113					
1978	0.5795		0.3972	0.1354	0.04776	0.03184
	0.007853					
1979	1.167	0.7371		0.2278	0.08037	0.05358
1980	0.8499		0.5523	0.1696	0.05979	0.03986
	0.009802					
1981	0.2738		0.1736	0.06594	0.03285	0.02191
	0.005513					
1982	0.4114		0.2585	0.0864	0.03207	0.02139
	0.005274					
1983	0.6409		0.401	0.1192	0.0594	0.03972
1984	1.42	0.8969		0.2689	0.09515	0.06344
1985	0.01168		0.007522	0.002317	0.0009168	0.0006112
	0.0001511					
1986	0.008469		0.005304	0.001565	0.0005506	0.0003673
	9.076e-005					

1987	2.757	1.754	0.5281	0.1905	0.127	0.03136
1988	0.3358		0.2094	0.06123	0.02153	0.0174
	0.004345					
1989	12.6	7.942	2.352	0.828	0.552	0.1361
1990	0.7454		0.5162	0.1632	0.0572	0.03813
	0.009403					

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	12.6	7.942	2.352	0.828	0.552	0.1361
0.0645161290322581		7.413	5.186	1.713	0.604	0.4027
0.0967741935483871		7.06	4.507	1.41	0.4977	0.3318
	0.08182					
0.129032258064516	3.921	2.66	0.8649		0.3049	0.2033
	0.04999					
0.161290322580645	2.757	1.754	0.5281		0.1905	0.127
0.193548387096774	1.42	0.8969		0.2689	0.09717	0.0654
	0.01613					
0.225806451612903	1.329	0.8421		0.2515	0.09515	0.06344
	0.0156					
0.258064516129032	1.167	0.7371		0.2278	0.08037	0.05358
	0.01321					
0.290322580645161	0.8979		0.5732		0.2239	0.0796
	0.05307	0.01308				
0.32258064516129	0.8499		0.5523		0.1696	0.05979
	0.04485	0.01113				
0.354838709677419	0.7469		0.5162		0.1632	0.0594
	0.03986	0.009802				
0.387096774193548	0.7454		0.4675		0.1375	0.0572
	0.03972	0.009795				
0.419354838709677	0.6409		0.401	0.1354	0.04839	0.03813
	0.009403					
0.451612903225806	0.5795		0.3972		0.1192	0.04776
	0.03184	0.007853				
0.483870967741936	0.4709		0.2923		0.0864	0.03285
	0.02191	0.007816				
0.516129032258065	0.4232		0.2626		0.08499	0.03232
	0.02155	0.005902				
0.548387096774194	0.4114		0.2585		0.08214	0.03207
	0.02139	0.005513				
0.580645161290323	0.3633		0.2384		0.07633	0.02987
	0.01992	0.005322				
0.612903225806452	0.3572		0.2308		0.07095	0.02895
	0.0193	0.005274				
0.645161290322581	0.3358		0.2094		0.06594	0.02683
	0.01789	0.00476				
0.67741935483871	0.2804		0.2003		0.06392	0.02253
	0.0174	0.004345				
0.709677419354839	0.2738		0.1828		0.06123	0.02153
	0.01502	0.003695				
0.741935483870968	0.2717		0.1736		0.05562	0.02109
	0.01406	0.003468				
0.774193548387097	0.1989		0.1303		0.04929	0.01808
	0.01205	0.002966				
0.806451612903226	0.1535		0.09777		0.03189	0.01247
	0.008317	0.002054				

0.838709677419355	0.08064	0.05157	0.0156	0.00567
0.00378	0.0009324			
0.870967741935484	0.05413	0.03833	0.01454	0.005132
0.003421	0.0008522			
0.903225806451613	0.01168	0.007522	0.002317	0.0009168
0.0006112	0.0001511			
0.935483870967742	0.008469	0.005304	0.001565	0.0005506
0.0003673	9.076e-005			
0.967741935483871	0.004953	0.003176	0.0009649	0.000386
0.0002573	6.337e-005			

0.1	6.7461	4.3223	1.35549	0.47842	0.31895
	0.078637				

Average of yearly averages:

0.0185929276666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: cornswt2

Metfile: w23232.dvf

PRZM scenario: CAcorn0P.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	260.4	g/mol	
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Henry's Law Const.	henry	5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr	7.5E-4	torr	
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Solubility	sol	500	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	50	mg/L	
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Photolysis half-life	kdp	1.1	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days	Halfife
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Aerobic Soil Metabolism	asm	137	days	Halfife
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Hydrolysis: pH 7	3.2	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	1.456	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0	fraction of application rate applied to pond	
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Application Date	Date	15-6	dd/mm or dd/mm or dd-mm or dd-mmm	
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.0
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Flag for Index Res. Run	IR	EPA Pond
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Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

Cotton:

stored as cotton2.out

Chemical: phorate

PRZM environment: CAcotton_WirrigSTD.txt modified Tuesday, 29 May 2007
at 12:42:12EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.324	0.8382	0.2497	0.08784	0.05856	0.01444
1962	0.001144	0.0007785	0.0002413	8.486e-005	5.657e-005	
	1.395e-005					
1963	3.008	1.915	0.6988	0.2464	0.1642	0.0405
1964	1.754e-005	1.302e-005	4.518e-006	1.59e-006	1.06e-006	
	2.607e-007					
1965	0.0002001	0.0001265	3.842e-005	1.351e-005	9.008e-006	
	2.221e-006					
1966	0.0006054	0.0003858	0.0001188	4.185e-005	2.79e-005	
	6.88e-006					
1967	16.99	11.23	3.413	1.203	0.8017	0.1977
1968	0.00164	0.001032	0.0003082	0.0001083	7.222e-005	
	1.776e-005					
1969	0.0004203	0.000274	8.319e-005	2.925e-005	1.95e-005	
	4.808e-006					
1970	0.0002377	0.0001574	4.805e-005	1.689e-005	1.126e-005	
	2.777e-006					
1971	16.93	10.69	3.181	1.119	0.746	0.184
1972	8.564e-005	6.419e-005	2.145e-005	7.544e-006	5.03e-006	
	1.237e-006					
1973	0.0002381	0.0001579	5.013e-005	1.767e-005	1.178e-005	
	2.904e-006					
1974	0.0001912	0.000125	3.808e-005	1.338e-005	8.923e-006	2.2e-006
1975	7.994e-005	5.213e-005	1.622e-005	5.702e-006	3.802e-006	
	9.374e-007					
1976	0.0002455	0.0001553	4.652e-005	1.635e-005	1.09e-005	
	2.681e-006					
1977	0.08864	0.05554	0.01637	0.005757	0.003838	
	0.0009463					
1978	0.4614	0.2926	0.08672	0.03052	0.02034	
	0.005017					
1979	0.0002572	0.0001661	5.014e-005	1.767e-005	1.178e-005	
	2.904e-006					
1980	0.000499	0.0003125	0.0001009	3.556e-005	2.37e-005	
	5.829e-006					
1981	4.146	2.67	0.8631	0.3037	0.2024	0.04992
1982	0.0002862	0.000193	6.31e-005	2.225e-005	1.483e-005	
	3.658e-006					
1983	0.2349	0.1476	0.05116	0.01935	0.0129	
	0.003181					
1984	0.0002127	0.0001484	5.254e-005	1.848e-005	1.232e-005	
	3.03e-006					
1985	0.0002179	0.0001431	4.335e-005	1.523e-005	1.016e-005	
	2.504e-006					

1986	0.0003461	0.0002192	7.519e-005	2.648e-005	1.765e-005	
	4.353e-006					
1987	0.1781	0.1108	0.03235	0.01137	0.007579	
	0.001869					
1988	24.65	15.78	4.803	1.69	1.127	0.277
1989	1.013	0.6292	0.1832	0.06439	0.04293	0.01059
1990	6.699	4.213	1.244	0.4374	0.2916	0.07191

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	24.65	15.78	4.803	1.69	1.127	0.277
0.0645161290322581		16.99	11.23	3.413	1.203	0.8017
0.0967741935483871		16.93	10.69	3.181	1.119	0.746
0.129032258064516	6.699	4.213	1.244	0.4374	0.2916	0.07191
0.161290322580645	4.146	2.67	0.8631	0.3037	0.2024	
	0.04992					
0.193548387096774	3.008	1.915	0.6988	0.2464	0.1642	
	0.0405					
0.225806451612903	1.324	0.8382	0.2497	0.08784	0.05856	
	0.01444					
0.258064516129032	1.013	0.6292	0.1832	0.06439	0.04293	
	0.01059					
0.290322580645161	0.4614	0.2926	0.08672	0.03052		
	0.02034	0.005017				
0.32258064516129	0.2349	0.1476	0.05116	0.01935		
	0.0129	0.003181				
0.354838709677419	0.1781	0.1108	0.03235	0.01137		
	0.007579	0.001869				
0.387096774193548	0.08864	0.05554	0.01637	0.005757		
	0.003838	0.0009463				
0.419354838709677	0.00164	0.001032	0.0003082	0.0001083		
	7.222e-005	1.776e-005				
0.451612903225806	0.001144	0.0007785	0.0002413	8.486e-005		
	5.657e-005	1.395e-005				
0.483870967741936	0.0006054	0.0003858	0.0001188	4.185e-005		
	2.79e-005	6.88e-006				
0.516129032258065	0.000499	0.0003125	0.0001009	3.556e-005		
	2.37e-005	5.829e-006				
0.548387096774194	0.0004203	0.000274	8.319e-005	2.925e-005		
	1.95e-005	4.808e-006				
0.580645161290323	0.0003461	0.0002192	7.519e-005	2.648e-005		
	1.765e-005	4.353e-006				
0.612903225806452	0.0002862	0.000193	6.31e-005	2.225e-005		
	1.483e-005	3.658e-006				
0.645161290322581	0.0002572	0.0001661	5.254e-005	1.848e-005		
	1.232e-005	3.03e-006				
0.67741935483871	0.0002455	0.0001579	5.014e-005	1.767e-005		
	1.178e-005	2.904e-006				
0.709677419354839	0.0002381	0.0001574	5.013e-005	1.767e-005		
	1.178e-005	2.904e-006				
0.741935483870968	0.0002377	0.0001553	4.805e-005	1.689e-005		
	1.126e-005	2.777e-006				
0.774193548387097	0.0002179	0.0001484	4.652e-005	1.635e-005		
	1.09e-005	2.681e-006				
0.806451612903226	0.0002127	0.0001431	4.335e-005	1.523e-005		
	1.016e-005	2.504e-006				

0.838709677419355	0.0002001	0.0001265	3.842e-005	1.351e-005
9.008e-006	2.221e-006			
0.870967741935484	0.0001912	0.000125	3.808e-005	1.338e-005
8.923e-006	2.2e-006			
0.903225806451613	8.564e-005	6.419e-005	2.145e-005	7.544e-006
5.03e-006	1.237e-006			
0.935483870967742	7.994e-005	5.213e-005	1.622e-005	5.702e-006
3.802e-006	9.374e-007			
0.967741935483871	1.754e-005	1.302e-005	4.518e-006	1.59e-006
1.06e-006	2.607e-007			

0.1	15.9069	10.0423	2.9873	1.05084	0.70056
	0.172791				

Average of yearly averages:

0.02857180647

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: cotton2

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	260.4	g/mol	
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Henry's Law Const.	henry	5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr	7.5E-4	torr	
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Solubility	sol	500	mg/L	
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Kd	Kd		mg/L	
----	----	--	------	--

Koc	Koc	50	mg/L	
-----	-----	----	------	--

Photolysis half-life	kdp	1.1	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days	Halfife
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Aerobic Soil Metabolism	asm	137	days	Halfife
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Hydrolysis: pH 7	3.2	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	2.44	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0	fraction of application rate applied to pond	
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm	
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.0
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Flag for Index Res. Run	IR	EPA Pond
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Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

Peanut:

stored as peanut2.out

Chemical: phorate

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007
at 11:17:16EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30

Metfile: w23232.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	0.2937		0.1855	0.05823	0.02071	0.01381
	0.003404					
1962	0.3182		0.2012	0.0692	0.02458	0.01639
	0.004041					
1963	0.07864		0.04983	0.015	0.005326	0.003551
1964	0.4176		0.263	0.08826	0.03133	0.02088
1965	0.0444		0.02808	0.009679	0.003418	0.002279
	0.0005619					
1966	0.2772		0.1743	0.06264	0.02214	0.01476
	0.00364					
1967	0.01797		0.0115	0.003619	0.001369	0.0009129
	0.0002251					
1968	0.2867		0.1805	0.06409	0.02263	0.01509
	0.003711					
1969	0.2714		0.1716	0.05478	0.01944	0.01296
	0.003196					
1970	0.2788		0.1766	0.06184	0.02199	0.01466
	0.003615					
1971	0.2605		0.1648	0.05835	0.02076	0.01384
	0.003412					
1972	0.2611		0.1648	0.06051	0.02136	0.01424
	0.003501					
1973	0.2808		0.1764	0.06261	0.0221	0.01473
	0.003633					
1974	0.3151		0.1998	0.06502	0.02296	0.01531
	0.003774					
1975	0.294	0.1863		0.06227	0.02207	0.01471
1976	0.263	0.1663		0.0599	0.02117	0.01412
1977	0.3448		0.2164	0.07366	0.02597	0.01731
	0.004269					
1978	0.022	0.01374		0.004491	0.001581	0.001054
1979	0.2957		0.1876	0.05921	0.02126	0.01417
	0.003495					
1980	0.2458		0.1552	0.05234	0.01848	0.01232
	0.003029					
1981	0.06182		0.03911	0.01381	0.004899	0.003266
	0.0008054					
1982	0.2563		0.1622	0.05876	0.02086	0.0139
	0.003428					
1983	0.3021		0.1915	0.05822	0.02051	0.01367
	0.003371					
1984	0.2894		0.1822	0.05852	0.02069	0.0138
	0.003393					
1985	0.2989		0.1885	0.06644	0.02346	0.01564
	0.003856					

1986	0.2621	0.1661	0.0595	0.02124	0.01416
	0.003492				
1987	0.2919	0.1843	0.0649	0.02298	0.01532
	0.003777				
1988	0.3432	0.2431	0.08682	0.03063	0.02042
	0.005021				
1989	0.302	0.191	0.06529	0.02343	0.01562
1990	0.296	0.1863	0.05665	0.02	0.01333
					0.003287

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.4176		0.263	0.08826	0.03133	0.02088
	0.005136					
0.0645161290322581		0.3448		0.2431	0.08682	0.03063
	0.02042	0.005021				
0.0967741935483871		0.3432		0.2164	0.07366	0.02597
	0.01731	0.004269				
0.129032258064516	0.3182		0.2012	0.0692		0.02458
	0.01639	0.004041				
0.161290322580645	0.3151		0.1998	0.06644		0.02346
	0.01564	0.003856				
0.193548387096774	0.3021		0.1915	0.06529		0.02343
	0.01562	0.003852				
0.225806451612903	0.302	0.191	0.06502	0.02298		0.01532
	0.003777					
0.258064516129032	0.2989		0.1885	0.0649		0.02296
	0.01531	0.003774				
0.290322580645161	0.296	0.1876		0.06409	0.02263	0.01509
	0.003711					
0.32258064516129	0.2957		0.1863	0.06264		0.02214
	0.01476	0.00364				
0.354838709677419	0.294	0.1863		0.06261	0.0221	0.01473
	0.003633					
0.387096774193548	0.2937		0.1855	0.06227		0.02207
	0.01471	0.003628				
0.419354838709677	0.2919		0.1843	0.06184		0.02199
	0.01466	0.003615				
0.451612903225806	0.2894		0.1822	0.06051		0.02136
	0.01424	0.003501				
0.483870967741936	0.2867		0.1805	0.0599		0.02126
	0.01417	0.003495				
0.516129032258065	0.2808		0.1766	0.0595		0.02124
	0.01416	0.003492				
0.548387096774194	0.2788		0.1764	0.05921		0.02117
	0.01412	0.003471				
0.580645161290323	0.2772		0.1743	0.05876		0.02086
	0.0139	0.003428				
0.612903225806452	0.2714		0.1716	0.05852		0.02076
	0.01384	0.003412				
0.645161290322581	0.263	0.1663		0.05835	0.02071	0.01381
	0.003404					
0.67741935483871	0.2621		0.1661	0.05823		0.02069
	0.0138	0.003393				
0.709677419354839	0.2611		0.1648	0.05822		0.02051
	0.01367	0.003371				
0.741935483870968	0.2605		0.1648	0.05665	0.02	0.01333
	0.003287					

```

Flag for runoff calc.   RUNOFF      none  none, monthly or
total(average of entire run)

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Potato:

stored as potato2.out

Chemical: phorate

PRZM environment: CAPotatoRLF_V2.txt modified Wedday, 26 March
2008 at 09:37:30EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 09:04:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.007344		0.004625	0.001689	0.0005967	0.0003978
	9.809e-005					
1962	0.0003826		0.00024	7.383e-005	2.644e-005	1.763e-005
	4.346e-006					
1963	1.378	0.8833	0.2642	0.09292	0.06195	0.01528
1964	0.1662		0.1049	0.03249	0.01144	0.007625
	0.001875					
1965	0.002268		0.001564	0.0006266	0.0002208	0.0001472
	3.629e-005					
1966	0.01265		0.007922	0.002328	0.0008184	0.0005456
	0.0001345					
1967	0.04045		0.02588	0.007845	0.002783	0.001855
	0.0004575					
1968	0.01019		0.006416	0.001945	0.0006845	0.0004564
	0.0001122					
1969	0.002959		0.001867	0.0005947	0.0002098	0.0001398
	3.448e-005					
1970	0.1262		0.0797	0.02684	0.009462	0.006308
	0.001555					
1971	0.7715		0.4853	0.1437	0.05054	0.03369
	0.008308					
1972	0.01721		0.01078	0.004276	0.001506	0.001004
	0.0002469					
1973	0.01497		0.009388	0.002983	0.001049	0.0006994
	0.0001724					
1974	0.005244		0.003302	0.001061	0.0003742	0.0002495
	6.151e-005					
1975	0.001985		0.00126	0.0004189	0.0001478	9.851e-005
	2.429e-005					
1976	2.017	1.271	0.3778	0.1328	0.08855	0.02178
1977	0.07095		0.0444	0.01327	0.004666	0.003111
	0.0007671					
1978	0.001669		0.001056	0.0003691	0.0001325	8.833e-005
	2.178e-005					
1979	0.0001354		8.541e-005	6.121e-005	2.311e-005	1.54e-005
	3.798e-006					
1980	0.00169		0.001072	0.0003493	0.0001249	8.324e-005
	2.047e-005					
1981	0.6174		0.3897	0.1157	0.04068	0.02712
	0.006688					
1982	0.001103		0.0006978	0.0002136	7.51e-005	5.007e-005
	1.235e-005					
1983	0.0144		0.008989	0.002644	0.0009298	0.0006199
	0.0001528					
1984	3.874	2.456	0.7336	0.258	0.172	0.04229

1985	0.2367	0.1491	0.04721	0.01664	0.01109
	0.002735				
1986	0.002848	0.001803	0.0009005	0.0003199	0.0002133
	5.258e-005				
1987	0.001346	0.000845	0.0003566	0.0001257	8.382e-005
	2.067e-005				
1988	14.23 8.824	2.563 0.9006	0.6004	0.1476	
1989	0.02554	0.01573	0.005078	0.001791	0.001194
	0.0002944				
1990	0.196 0.121	0.03564	0.01253	0.008351	0.002059

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	14.23	8.824	2.563 0.9006	0.6004	0.1476	
0.0645161290322581		3.874	2.456 0.7336	0.258	0.172	0.04229
0.0967741935483871		2.017	1.271 0.3778	0.1328		0.08855
	0.02178					
0.129032258064516	1.378	0.8833	0.2642	0.09292	0.06195	
	0.01528					
0.161290322580645	0.7715		0.4853	0.1437	0.05054	
	0.03369	0.008308				
0.193548387096774	0.6174		0.3897	0.1157	0.04068	
	0.02712	0.006688				
0.225806451612903	0.2367		0.1491	0.04721	0.01664	
	0.01109	0.002735				
0.258064516129032	0.196 0.121	0.03564	0.01253	0.008351		
	0.002059					
0.290322580645161	0.1662		0.1049	0.03249	0.01144	
	0.007625	0.001875				
0.32258064516129	0.1262		0.0797	0.02684	0.009462	
	0.006308	0.001555				
0.354838709677419	0.07095		0.0444	0.01327	0.004666	
	0.003111	0.0007671				
0.387096774193548	0.04045		0.02588	0.007845	0.002783	
	0.001855	0.0004575				
0.419354838709677	0.02554		0.01573	0.005078	0.001791	
	0.001194	0.0002944				
0.451612903225806	0.01721		0.01078	0.004276	0.001506	
	0.001004	0.0002469				
0.483870967741936	0.01497		0.009388	0.002983	0.001049	
	0.0006994	0.0001724				
0.516129032258065	0.0144		0.008989	0.002644	0.0009298	
	0.0006199	0.0001528				
0.548387096774194	0.01265		0.007922	0.002328	0.0008184	
	0.0005456	0.0001345				
0.580645161290323	0.01019		0.006416	0.001945	0.0006845	
	0.0004564	0.0001122				
0.612903225806452	0.007344		0.004625	0.001689	0.0005967	
	0.0003978	9.809e-005				
0.645161290322581	0.005244		0.003302	0.001061	0.0003742	
	0.0002495	6.151e-005				
0.67741935483871	0.002959		0.001867	0.0009005	0.0003199	
	0.0002133	5.258e-005				
0.709677419354839	0.002848		0.001803	0.0006266	0.0002208	
	0.0001472	3.629e-005				
0.741935483870968	0.002268		0.001564	0.0005947	0.0002098	
	0.0001398	3.448e-005				

0.774193548387097	0.001985	0.00126	0.0004189	0.0001478
9.851e-005	2.429e-005			
0.806451612903226	0.00169	0.001072	0.0003691	0.0001325
8.833e-005	2.178e-005			
0.838709677419355	0.001669	0.001056	0.0003566	0.0001257
8.382e-005	2.067e-005			
0.870967741935484	0.001346	0.000845	0.0003493	0.0001249
8.324e-005	2.047e-005			
0.903225806451613	0.001103	0.0006978	0.0002136	7.51e-005
5.007e-005	1.235e-005			
0.935483870967742	0.0003826	0.00024	7.383e-005	2.644e-005
1.763e-005	4.346e-006			
0.967741935483871	0.0001354	8.541e-005	6.121e-005	2.311e-005
1.54e-005	3.798e-006			
0.1	1.9531	1.23223	0.36644	0.128812
	0.02113			0.08589
Average of yearly averages:				
0.00842994846666667				

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: potato2

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		260.4	g/mol	
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Henry's Law Const.	henry		5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr		7.5E-4	torr	
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp	1.1	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days		Halfife
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Aerobic Soil Metabolism	asm	137	days		Halfife
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Hydrolysis: pH 7	3.2	days			Half-life
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Method:	CAM	1	integer		See PRZM manual
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	3.864	kg/ha		
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Application Efficiency:	APPEFF	0.99			fraction
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Spray Drift	DRFT	0			fraction of application rate applied to pond
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Application Date	Date	15-4	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy		
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.0

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

Sorghum:

stored as sorghum2.out

Chemical: phorate

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 09:39:38

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	10.62	6.72	2.465	0.8694	0.5796	0.1429
1962	10.92	6.885	2.557	0.902	0.6013	0.1483
1963	3.643	2.319	0.9588	0.3392	0.2262	0.05577
1964	9.361	5.925	2.155	0.7606	0.5071	0.1247
1965	9.492	5.993	2.177	0.7684	0.5123	0.1263
1966	12.36	8.318	2.831	0.9978	0.6652	0.164
1967	14.84	9.901	3.017	1.066	0.7104	0.1752
1968	10.46	6.612	2.469	0.871	0.5807	0.1428
1969	10.25	6.471	2.428	0.8564	0.571	0.1408
1970	11.81	7.476	2.71	0.9561	0.6374	0.1572
1971	16.82	10.63	3.585	1.268	0.8457	0.2085
1972	12.35	7.783	2.775	0.9784	0.6523	0.1604
1973	11.58	7.312	2.655	0.9362	0.6241	0.1539
1974	9.893	6.261	2.337	0.8258	0.5506	0.1358
1975	10.64	6.797	2.486	0.8785	0.5857	0.1444
1976	11.62	7.4	2.709	0.9555	0.637	0.1566
1977	10.81	7.237	2.463	0.8678	0.5785	0.1427
1978	2.583	1.75	0.6104	0.2213	0.1475	0.03637
1979	11.02	6.916	2.497	0.8812	0.5875	0.1449
1980	10.58	7.243	2.534	0.8939	0.596	0.1466
1981	11.49	7.383	2.377	0.8371	0.5581	0.1376
1982	11.27	7.139	2.605	0.9199	0.6133	0.1512
1983	1.951	1.236	0.4215	0.1524	0.1016	0.02505
1984	9.514	5.993	2.239	0.7887	0.5258	0.1293
1985	13.05	8.197	2.945	1.038	0.6918	0.1706
1986	11.39	7.184	2.566	0.9043	0.6029	0.1487
1987	11.04	6.933	2.504	0.8828	0.5886	0.1451
1988	18.23	11.73	3.707	1.308	0.8717	0.2144
1989	11.32	7.089	2.544	0.8971	0.5981	0.1475
1990	11.68	7.345	2.48	0.8746	0.5831	0.1438

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	18.23	11.73	3.707	1.308	0.8717	0.2144
0.0645161290322581	16.82	10.63	3.585	1.268	0.8457	0.2085
0.0967741935483871	14.84	9.901	3.017	1.066	0.7104	0.1752
0.129032258064516	13.05	8.318	2.945	1.038	0.6918	0.1706
0.161290322580645	12.36	8.197	2.831	0.9978	0.6652	0.164
0.193548387096774	12.35	7.783	2.775	0.9784	0.6523	0.1604
0.225806451612903	11.81	7.476	2.71	0.9561	0.6374	0.1572
0.258064516129032	11.68	7.4	2.709	0.9555	0.637	0.1566
0.290322580645161	11.62	7.383	2.655	0.9362	0.6241	0.1539
0.32258064516129	11.58	7.345	2.605	0.9199	0.6133	0.1512
0.354838709677419	11.49	7.312	2.566	0.9043	0.6029	0.1487
0.387096774193548	11.39	7.243	2.557	0.902	0.6013	0.1483

0.419354838709677	11.32	7.237	2.544	0.8971	0.5981	0.1475
0.451612903225806	11.27	7.184	2.534	0.8939	0.596	0.1466
0.483870967741936	11.04	7.139	2.504	0.8828	0.5886	0.1451
0.516129032258065	11.02	7.089	2.497	0.8812	0.5875	0.1449
0.548387096774194	10.92	6.933	2.486	0.8785	0.5857	0.1444
0.580645161290323	10.81	6.916	2.48	0.8746	0.5831	0.1438
0.612903225806452	10.64	6.885	2.469	0.871	0.5807	0.1429
0.645161290322581	10.62	6.797	2.465	0.8694	0.5796	0.1428
0.67741935483871	10.58	6.72	2.463	0.8678	0.5785	0.1427
0.709677419354839	10.46	6.612	2.428	0.8564	0.571	0.1408
0.741935483870968	10.25	6.471	2.377	0.8371	0.5581	0.1376
0.774193548387097	9.893	6.261	2.337	0.8258	0.5506	0.1358
0.806451612903226	9.514	5.993	2.239	0.7887	0.5258	0.1293
0.838709677419355	9.492	5.993	2.177	0.7684	0.5123	0.1263
0.870967741935484	9.361	5.925	2.155	0.7606	0.5071	0.1247
0.903225806451613	3.643	2.319	0.9588	0.3392	0.2262	
0.05577						
0.935483870967742	2.583	1.75	0.6104	0.2213	0.1475	
0.03637						
0.967741935483871	1.951	1.236	0.4215	0.1524	0.1016	
0.02505						
0.1	14.661	9.7427	3.0098	1.0632	0.70854	
0.17474						

Average of yearly averages: 0.140713

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: sorghum2

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	260.4	g/mol		
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Henry's Law Const.	henry	5.8E-6		atm-m ³ /mol	
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Vapor Pressure	vapr	7.5E-4	torr		
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp	1.1	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	21	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	42	days	Halfife	
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Aerobic Soil Metabolism	asm	137	days	Halfife	
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Hydrolysis: pH 7	3.2	days	Half-life		
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Method:	CAM	1	integer	See PRZM manual	
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.47	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0	fraction of application rate applied to pond		
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.0
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

Sugarbeet:

stored as 4-8beet2.out

Chemical: phorate

PRZM environment: CASugarbeet_WirrigOP.txt modified Thuday, 14
June 2007 at 10:21:20EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.2628		0.1663	0.05284	0.01887	0.01258
	0.003103					
1962	0.01641		0.01163	0.005116	0.001826	0.001218
	0.0003002					
1963	2.47	1.573	0.6302	0.2236	0.1491	0.03676
1964	0.01619		0.01048	0.005518	0.00198	0.00132
	0.0003247					
1965	0.01359		0.00936	0.004874	0.001748	0.001166
	0.0002874					
1966	0.0303		0.01905	0.007675	0.002779	0.001853
	0.0004569					
1967	10.52	7.143	2.181	0.7677	0.5118	0.1262
1968	0.02953		0.01867	0.008274	0.002987	0.001991
	0.0004896					
1969	0.0065		0.004213	0.001978	0.0007695	0.000513
	0.0001265					
1970	0.005056		0.00342	0.002297	0.0009111	0.0006074
	0.0001498					
1971	6.227	3.933	1.17	0.4121	0.2748	0.06775
1972	0.01499		0.009452	0.005459	0.001967	0.001311
	0.0003224					
1973	0.01225		0.007747	0.003313	0.001204	0.0008026
	0.0001979					
1974	0.004939		0.003197	0.001747	0.0006685	0.0004457
	0.0001099					
1975	0.003861		0.002845	0.001257	0.0004847	0.0003232
	7.968e-005					
1976	0.007827		0.004993	0.001962	0.0007038	0.0004692
	0.0001154					
1977	0.04562		0.03057	0.01403	0.004995	0.00333
	0.0008212					
1978	0.6714		0.4258	0.1282	0.04517	0.03011
	0.007425					
1979	0.003777		0.002599	0.001469	0.0005936	0.0003958
	9.759e-005					
1980	0.0287		0.01878	0.006555	0.00241	0.001607
	0.0003952					
1981	1.127	0.7482		0.2399	0.08447	0.05631
						0.01389
1982	0.002982		0.002102	0.001159	0.0004485	0.000299
	7.373e-005					
1983	2.381	1.495	0.437	0.1587	0.1058	0.02609
1984	0.01809		0.01234	0.006359	0.002268	0.001512
	0.0003718					

1985	0.02755	0.01893	0.008395	0.003016	0.002011
	0.0004959				
1986	0.01554	0.01119	0.005153	0.001899	0.001266
	0.0003122				
1987	0.02973	0.02207	0.009939	0.003564	0.002376
	0.0005858				
1988	7.448 4.782	1.463 0.5154	0.3437	0.08451	
1989	0.02215	0.01387	0.005733	0.002369	0.00158
	0.0003895				
1990	1.966 1.236	0.3665	0.1296	0.08642	0.02131

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	10.52	7.143	2.181 0.7677	0.5118	0.1262
0.0645161290322581		7.448 4.782	1.463 0.5154	0.3437	
		0.08451			
0.0967741935483871		6.227 3.933	1.17 0.4121	0.2748	
		0.06775			
0.129032258064516	2.47	1.573 0.6302	0.2236	0.1491	
		0.03676			
0.161290322580645	2.381	1.495 0.437	0.1587 0.1058	0.02609	
0.193548387096774	1.966	1.236 0.3665	0.1296	0.08642	
		0.02131			
0.225806451612903	1.127	0.7482	0.2399	0.08447	0.05631
		0.01389			
0.258064516129032	0.6714	0.4258	0.1282	0.04517	
	0.03011	0.007425			
0.290322580645161	0.2628	0.1663	0.05284	0.01887	
	0.01258	0.003103			
0.32258064516129	0.04562	0.03057	0.01403	0.004995	
	0.00333	0.0008212			
0.354838709677419	0.0303	0.02207	0.009939	0.003564	
	0.002376	0.0005858			
0.387096774193548	0.02973	0.01905	0.008395	0.003016	
	0.002011	0.0004959			
0.419354838709677	0.02953	0.01893	0.008274	0.002987	
	0.001991	0.0004896			
0.451612903225806	0.0287	0.01878	0.007675	0.002779	
	0.001853	0.0004569			
0.483870967741936	0.02755	0.01867	0.006555	0.00241	
	0.001607	0.0003952			
0.516129032258065	0.02215	0.01387	0.006359	0.002369	
	0.00158	0.0003895			
0.548387096774194	0.01809	0.01234	0.005733	0.002268	
	0.001512	0.0003718			
0.580645161290323	0.01641	0.01163	0.005518	0.00198	
	0.00132	0.0003247			
0.612903225806452	0.01619	0.01119	0.005459	0.001967	
	0.001311	0.0003224			
0.645161290322581	0.01554	0.01048	0.005153	0.001899	
	0.001266	0.0003122			
0.67741935483871	0.01499	0.009452	0.005116	0.001826	
	0.001218	0.0003002			
0.709677419354839	0.01359	0.00936	0.004874	0.001748	
	0.001166	0.0002874			
0.741935483870968	0.01225	0.007747	0.003313	0.001204	
	0.0008026	0.0001979			

0.774193548387097	0.007827	0.004993	0.002297	0.0009111
0.0006074	0.0001498			
0.806451612903226	0.0065	0.004213	0.001978	0.0007695
0.000513	0.0001265			
0.838709677419355	0.005056	0.00342	0.001962	0.0007038
0.0004692	0.0001154			
0.870967741935484	0.004939	0.003197	0.001747	0.0006685
0.0004457	0.0001099			
0.903225806451613	0.003861	0.002845	0.001469	0.0005936
0.0003958	9.759e-005			
0.935483870967742	0.003777	0.002599	0.001257	0.0004847
0.0003232	7.968e-005			
0.967741935483871	0.002982	0.002102	0.001159	0.0004485
0.000299	7.373e-005			
0.1	5.8513	3.697	1.11602	0.39325
				0.26223
				0.064651
			Average of yearly averages:	
	0.0131180433333333			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: 4-8beet2

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		260.4	g/mol	
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Henry's Law Const.	henry		5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr		7.5E-4	torr	
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp		1.1	days	Half-life
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Aerobic Aquatic Metabolism	kbacw		21	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs		42	days	Halfife
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Aerobic Soil Metabolism	asm		137	days	Halfife
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Hydrolysis: pH 7	3.2	days			Half-life
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Method:	CAM	1	integer		See PRZM manual
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.68	kg/ha		
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Application Efficiency:	APPEFF		0.99	fraction	
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Spray Drift	DRFT	0	fraction of application rate applied to pond		
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Application Date	Date	15-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.0
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Flag for Index Res. Run	IR	EPA Pond
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Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			

Wheat:

stored as wheat2.out

Chemical: phorate

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 09:39:38

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.091	5.121	1.878	0.6625	0.4417	0.1089
1962	8.321	5.245	1.948	0.6871	0.4581	0.113
1963	2.775	1.767	0.7305	0.2585	0.1723	0.04249
1964	7.131	4.514	1.642	0.5794	0.3863	0.09499
1965	7.23	4.565	1.658	0.5853	0.3902	0.09622
1966	9.413	6.337	2.157	0.7602	0.5068	0.125
1967	11.31	7.544	2.299	0.8119	0.5413	0.1335
1968	7.966	5.036	1.881	0.6635	0.4423	0.1088
1969	7.811	4.932	1.851	0.6527	0.4351	0.1073
1970	8.997	5.696	2.065	0.7284	0.4856	0.1197
1971	12.82	8.096	2.731	0.9665	0.6444	0.1589
1972	9.408	5.931	2.115	0.7455	0.4971	0.1222
1973	8.822	5.571	2.023	0.7133	0.4755	0.1173
1974	7.536	4.769	1.78	0.6291	0.4194	0.1034
1975	8.106	5.177	1.894	0.6691	0.4461	0.11
1976	8.857	5.638	2.064	0.7281	0.4854	0.1194
1977	8.236	5.514	1.877	0.6612	0.4408	0.1087
1978	1.968	1.333	0.4651	0.1686	0.1124	0.02772
1979	8.397	5.27	1.903	0.6715	0.4477	0.1104
1980	8.061	5.52	1.931	0.6812	0.4542	0.1117
1981	8.757	5.625	1.811	0.6378	0.4252	0.1048
1982	8.587	5.44	1.985	0.701	0.4673	0.1152
1983	1.486	0.9417	0.3211	0.1161	0.07738	0.01908
1984	7.253	4.569	1.707	0.6012	0.4008	0.09857
1985	9.946	6.246	2.244	0.7907	0.5271	0.13
1986	8.682	5.474	1.955	0.689	0.4594	0.1133
1987	8.412	5.281	1.907	0.6724	0.4483	0.1105
1988	13.89	8.936	2.824	0.996	0.664	0.1633
1989	8.622	5.4	1.938	0.6834	0.4556	0.1123
1990	8.897	5.596	1.889	0.6663	0.4442	0.1095

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	13.89	8.936	2.824	0.996	0.664	0.1633
0.0645161290322581	12.82	8.096	2.731	0.9665		0.6444
0.1589						
0.0967741935483871	11.31	7.544	2.299	0.8119		0.5413
0.1335						
0.129032258064516	9.946	6.337	2.244	0.7907	0.5271	0.13
0.161290322580645	9.413	6.246	2.157	0.7602	0.5068	0.125
0.193548387096774	9.408	5.931	2.115	0.7455	0.4971	0.1222
0.225806451612903	8.997	5.696	2.065	0.7284	0.4856	0.1197
0.258064516129032	8.897	5.638	2.064	0.7281	0.4854	0.1194
0.290322580645161	8.857	5.625	2.023	0.7133	0.4755	0.1173
0.32258064516129	8.822	5.596	1.985	0.701	0.4673	0.1152

0.354838709677419	8.757	5.571	1.955	0.689	0.4594	0.1133
0.387096774193548	8.682	5.52	1.948	0.6871	0.4581	0.113
0.419354838709677	8.622	5.514	1.938	0.6834	0.4556	0.1123
0.451612903225806	8.587	5.474	1.931	0.6812	0.4542	0.1117
0.483870967741936	8.412	5.44	1.907	0.6724	0.4483	0.1105
0.516129032258065	8.397	5.4	1.903	0.6715	0.4477	0.1104
0.548387096774194	8.321	5.281	1.894	0.6691	0.4461	0.11
0.580645161290323	8.236	5.27	1.889	0.6663	0.4442	0.1095
0.612903225806452	8.106	5.245	1.881	0.6635	0.4423	0.1089
0.645161290322581	8.091	5.177	1.878	0.6625	0.4417	0.1088
0.67741935483871	8.061	5.121	1.877	0.6612	0.4408	0.1087
0.709677419354839	7.966	5.036	1.851	0.6527	0.4351	0.1073
0.741935483870968	7.811	4.932	1.811	0.6378	0.4252	0.1048
0.774193548387097	7.536	4.769	1.78	0.6291	0.4194	0.1034
0.806451612903226	7.253	4.569	1.707	0.6012	0.4008	0.09857
0.838709677419355	7.23	4.565	1.658	0.5853	0.3902	0.09622
0.870967741935484	7.131	4.514	1.642	0.5794	0.3863	0.09499
0.903225806451613	2.775	1.767	0.7305	0.2585	0.1723	
0.04249						
0.935483870967742	1.968	1.333	0.4651	0.1686	0.1124	
0.02772						
0.967741935483871	1.486	0.9417	0.3211	0.1161	0.07738	
0.01908						

0.1	11.1736	7.4233	2.2935	0.80978	0.53988
0.13315					

Average of yearly averages:

0.107205666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: wheat2

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	260.4	g/mol		
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Henry's Law Const.	henry	5.8E-6		atm-m ³ /mol	
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Vapor Pressure	vapr	7.5E-4	torr		
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp	1.1	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	21	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	42	days	Halfife	
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Aerobic Soil Metabolism	asm	137	days	Halfife	
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Hydrolysis: pH 7	3.2	days	Half-life		
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Method:	CAM	1	integer	See PRZM manual	
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.12	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0	fraction of application rate applied to pond		
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND	1
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UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.0
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

Ornamentals:

stored as ornam2.out

Chemical: phorate

PRZM environment: CAnurserySTD.txt modified Wedday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30

Metfile: w23188.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	0.06756		0.04289	0.0221	0.008003	0.005335
	0.001316					
1962	0.008662		0.005468	0.001626	0.0005723	0.0003815
	9.473e-005					
1963	0.05704		0.03542	0.01043	0.003671	0.002447
	0.0006643					
1964	0.004977		0.003166	0.0009508	0.0003549	0.0002366
	5.818e-005					
1965	0.6597		0.4545	0.1472	0.0519	0.0346
	0.008531					
1966	4.786	3.009	0.8898	0.3364	0.2244	0.05533
1967	0.0009724		0.0006424	0.0001955	6.881e-005	4.587e-005
	1.351e-005					
1968	0.01554		0.009836	0.002935	0.001388	0.0009253
	0.0002275					
1969	0.4218		0.2668	0.0795	0.02812	0.01875
	0.004687					
1970	0.3995		0.2649	0.08932	0.03151	0.021
1971	0.02511		0.01758	0.00529	0.001862	0.001242
	0.0003906					
1972	0.002706		0.00169	0.0004956	0.0001743	0.0001686
	4.15e-005					
1973	1.001	0.6343	0.1983	0.06986	0.04657	0.01148
1974	2.529	1.701	0.5139	0.1916	0.1278	0.03151
1975	0.09246		0.0685	0.02159	0.007627	0.005084
	0.001261					
1976	0.3805		0.2365	0.06891	0.02438	0.01629
	0.004017					
1977	10.01	6.322	1.881	0.6619	0.4413	0.1121
1978	0.06463		0.04011	0.01166	0.004099	0.003376
	0.0008331					
1979	0.7305		0.4575	0.1348	0.04747	0.03165
	0.007803					
1980	0.04665		0.03426	0.01279	0.004506	0.003004
	0.00091					
1981	1.316	0.8327	0.2498	0.08795	0.05863	0.01446
1982	0.2849		0.1799	0.05793	0.02041	0.01361
	0.003374					
1983	0.2405		0.1578	0.04938	0.01742	0.01161
	0.002864					
1984	0.0009184		0.0005797	0.0002385	8.58e-005	5.72e-005
	1.407e-005					
1985	0.3499		0.2214	0.06622	0.02332	0.01555
	0.003833					
1986	2.05	1.286	0.4149	0.1495	0.09979	0.02461

1987	1.801	1.126	0.3536	0.1364	0.09094	0.02242
1988	9.721	6.595	1.981	0.6968	0.4646	0.1143
1989	0.02735		0.01742	0.003318	0.001185	0.0008959
	0.0002209					
1990	0.1711		0.1075	0.03325	0.01565	0.01057
	0.002727					

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	10.01	6.595	1.981	0.6968	0.4646	0.1143
0.0645161290322581		9.721	6.322	1.881	0.6619	0.4413
	0.1121					
0.0967741935483871		4.786	3.009	0.8898	0.3364	0.2244
	0.05533					
0.129032258064516	2.529	1.701	0.5139		0.1916	0.1278
	0.03151					
0.161290322580645	2.05	1.286	0.4149		0.1495	0.09979
	0.02461					
0.193548387096774	1.801	1.126	0.3536		0.1364	0.09094
	0.02242					
0.225806451612903	1.316	0.8327		0.2498	0.08795	0.05863
	0.01446					
0.258064516129032	1.001	0.6343		0.1983	0.06986	0.04657
	0.01148					
0.290322580645161	0.7305		0.4575		0.1472	0.0519
	0.0346	0.008531				
0.32258064516129	0.6597		0.4545		0.1348	0.04747
	0.03165	0.007803				
0.354838709677419	0.4218		0.2668		0.08932	0.03151
	0.00518					0.021
0.387096774193548	0.3995		0.2649		0.0795	0.02812
	0.01875	0.004687				
0.419354838709677	0.3805		0.2365		0.06891	0.02438
	0.01629	0.004017				
0.451612903225806	0.3499		0.2214		0.06622	0.02332
	0.01555	0.003833				
0.483870967741936	0.2849		0.1799		0.05793	0.02041
	0.01361	0.003374				
0.516129032258065	0.2405		0.1578		0.04938	0.01742
	0.01161	0.002864				
0.548387096774194	0.1711		0.1075		0.03325	0.01565
	0.01057	0.002727				
0.580645161290323	0.09246		0.0685		0.0221	0.008003
	0.005335	0.001316				
0.612903225806452	0.06756		0.04289		0.02159	0.007627
	0.005084	0.001261				
0.645161290322581	0.06463		0.04011		0.01279	0.004506
	0.003376	0.00091				
0.67741935483871	0.05704		0.03542		0.01166	0.004099
	0.003004	0.0008331				
0.709677419354839	0.04665		0.03426		0.01043	0.003671
	0.002447	0.0006643				
0.741935483870968	0.02735		0.01758		0.00529	0.001862
	0.001242	0.0003906				
0.774193548387097	0.02511		0.01742		0.003318	0.001388
	0.0009253	0.0002275				

0.806451612903226	0.01554	0.009836	0.002935	0.001185
0.0008959	0.0002209			
0.838709677419355	0.008662	0.005468	0.001626	0.0005723
0.0003815	9.473e-005			
0.870967741935484	0.004977	0.003166	0.0009508	0.0003549
0.0002366	5.818e-005			
0.903225806451613	0.002706	0.00169	0.0004956	0.0001743
0.0001686	4.15e-005			
0.935483870967742	0.0009724	0.0006424	0.0002385	8.58e-005
5.72e-005	1.407e-005			
0.967741935483871	0.0009184	0.0005797	0.0001955	6.881e-005
4.587e-005	1.351e-005			
0.1	4.5603	2.8782	0.85221	0.32192
0.052948				0.21474
			Average of yearly averages:	
	0.0145090463333333			

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: ornam2

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phorate

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		260.4	g/mol	
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Henry's Law Const.		henry	5.8E-6		atm-m ³ /mol
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Vapor Pressure	vapr		7.5E-4	torr	
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Solubility	sol	500	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	50	mg/L		
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Photolysis half-life	kdp	1.1	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	21	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	42	days		Halfife
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Aerobic Soil Metabolism	asm	137	days		Halfife
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Hydrolysis: pH 7	3.2	days			Half-life
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Method:	CAM	1	integer		See PRZM manual
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.344	kg/ha		
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Application Efficiency:	APPEFF	0.99			fraction
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Spray Drift	DRFT	0			fraction of application rate applied to pond
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.0
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Flag for Index Res. Run	IR	EPA Pond
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Flag for runoff calc.	RUNOFF	none	none, monthly or
total(average of entire run)			