

Appendix D. PRZM/EXAMS Runs

1. Alfalfa

stored as phosalf.out.out

Chemical: phosmet

PRZM environment: CAalfalfa_WirrigOP.txt modified Thuday, 14 June 2007 at 10:20:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.573	0.7392	0.318	0.1418	0.1165	0.0647
1962	3.658	1.086	0.2663	0.1272	0.09965	0.06622
1963	2.218	0.459	0.1925	0.1273	0.1138	0.07541
1964	3.874	1.066	0.2513	0.1349	0.1191	0.06147
1965	4.061	0.8397	0.2463	0.1148	0.09416	0.06443
1966	5.187	1.942	0.4223	0.1875	0.1457	0.07074
1967	2.806	0.5831	0.2158	0.1141	0.09537	0.06447
1968	5.224	1.081	0.3339	0.2007	0.1572	0.07887
1969	4.427	0.9115	0.4327	0.1868	0.1657	0.08184
1970	5.432	1.124	0.3684	0.2214	0.1678	0.1015
1971	1.739	0.3866	0.1309	0.08101	0.0805	0.05603
1972	3.626	1.224	0.3907	0.1784	0.1499	0.06991
1973	1.763	0.466	0.1611	0.1102	0.09649	0.06139
1974	5.52	1.378	0.3133	0.1634	0.1323	0.07176
1975	1.887	0.6216	0.1766	0.1178	0.1073	0.05728
1976	8.354	1.727	0.4608	0.2327	0.1877	0.08628
1977	6.077	1.257	0.3338	0.1361	0.1106	0.06864
1978	4.333	0.8964	0.26	0.1696	0.1387	0.09045
1979	1.805	0.4067	0.1211	0.08521	0.08057	0.05587
1980	1.79	0.395	0.2059	0.1176	0.0932	0.06092
1981	1.85	0.4138	0.1212	0.07921	0.07716	0.05679
1982	3.322	0.7509	0.2262	0.1897	0.1696	0.09457
1983	6.703	1.387	0.2675	0.1452	0.121	0.08803
1984	1.842	0.4394	0.1524	0.1072	0.09499	0.05935
1985	2.364	0.5362	0.211	0.1436	0.1247	0.06463
1986	11.3	2.336	0.4697	0.1985	0.1687	0.08827
1987	2.284	0.5055	0.1316	0.08091	0.07992	0.06139
1988	3.674	0.7603	0.2084	0.1085	0.09271	0.06552
1989	2.286	0.7165	0.1775	0.1188	0.1034	0.06668
1990	1.694	0.6507	0.1503	0.09718	0.0904	0.05874

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.3	2.336	0.4697	0.2327	0.1877	0.1015
0.064516129032258	8.354	1.942	0.4608	0.2214	0.1696	0.09457
0.096774193548387	6.703	1.727	0.4327	0.2007	0.1687	0.09045
0.129032258064516	6.077	1.387	0.4223	0.1985	0.1678	0.08827
0.161290322580645	5.52	1.378	0.3907	0.1897	0.1657	0.08803
0.193548387096774	5.432	1.257	0.3684	0.1875	0.1572	0.08628
0.225806451612903	5.224	1.224	0.3339	0.1868	0.1499	0.08184
0.258064516129032	5.187	1.124	0.3338	0.1784	0.1457	0.07887
0.290322580645161	4.427	1.086	0.318	0.1696	0.1387	0.07541

0.32258064516129	4.333	1.081	0.3133	0.1634	0.1323	0.07176
0.354838709677419	4.061	1.066	0.2675	0.1452	0.1247	0.07074
0.387096774193548	3.874	0.912	0.2663	0.1436	0.121	0.06991
0.419354838709677	3.674	0.896	0.26	0.1418	0.1191	0.06864
0.451612903225806	3.658	0.840	0.2513	0.1361	0.1165	0.06668
0.483870967741936	3.626	0.760	0.2463	0.1349	0.1138	0.06622
0.516129032258065	3.573	0.751	0.2262	0.1273	0.1106	0.06552
0.548387096774194	3.322	0.739	0.2158	0.1272	0.1073	0.0647
0.580645161290323	2.806	0.717	0.211	0.1188	0.1034	0.06463
0.612903225806452	2.364	0.651	0.2084	0.1178	0.09965	0.06447
0.645161290322581	2.286	0.622	0.2059	0.1176	0.09649	0.06443
0.67741935483871	2.284	0.583	0.1925	0.1148	0.09537	0.06147
0.709677419354839	2.218	0.536	0.1775	0.1141	0.09499	0.06139
0.741935483870968	1.887	0.506	0.1766	0.1102	0.09416	0.06139
0.774193548387097	1.85	0.466	0.1611	0.1085	0.0932	0.06092
0.806451612903226	1.842	0.459	0.1524	0.1072	0.09271	0.05935
0.838709677419355	1.805	0.439	0.1503	0.09718	0.0904	0.05874
0.870967741935484	1.79	0.414	0.1316	0.08521	0.08057	0.05728
0.903225806451613	1.763	0.407	0.1309	0.08101	0.0805	0.05679
0.935483870967742	1.739	0.395	0.1212	0.08091	0.07992	0.05603
0.967741935483871	1.694	0.387	0.1211	0.07921	0.07716	0.05587
0.1	6.640	1.693	0.43166	0.20048	0.16861	0.090232
Average of yearly averages:				0.070405		

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosalf.out

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	317.3	g/mol	
Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
Vapor Pressure	vapr	4.9e-7	torr	
Solubility	sol	20	mg/L	
Kd	Kd	10.7	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	81	days	Halfife
Hydrolysis: pH 7	0.5	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	0.84	kg/ha	
Application Efficiency:	APPEFF	0.97	fraction	
Spray Drift	DRFT	0.038	fraction of	application rate applied to pond
Application Date	Date	01-03	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	30	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.84	kg/ha	
Interval 2	interval	30	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.84	kg/ha	
Interval 3	interval	30	days	Set to 0 or delete line for single app.
app. rate 3	apprate	0.84	kg/ha	

Interval 4 interval 30 days Set to 0 or delete line for single app.
 app. rate 4 apprate 0.84 kg/ha
 Interval 5 interval 30 days Set to 0 or delete line for single app.
 app. rate 5 apprate 0.84 kg/ha
 Interval 6 interval 30 days Set to 0 or delete line for single app.
 app. rate 6 apprate 0.84 kg/ha
 Interval 7 interval 30 days Set to 0 or delete line for single app.
 app. rate 7 apprate 0.84 kg/ha
 Interval 8 interval 30 days Set to 0 or delete line for single app.
 app. rate 8 apprate 0.84 kg/ha

Record 17: FILTRA
 IPSCND 2
 UPTKF

Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5

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

2. Tree Nuts

stored as phosalm.out.out

Chemical: phosmet

PRZM environment: CAalmond_WirrigSTD.txt modified Wedday, 13 June 2007 at
 11:17:16

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 05:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	244	87.14	19.11	6.731	4.489	1.16
1962	245	87.3	19.13	6.731	4.494	1.325
1963	244	87.16	19.07	6.721	4.485	1.134
1964	244	87.24	19.17	6.796	4.539	1.147
1965	244	87.23	19.14	6.742	4.499	1.128
1966	244	87.24	19.12	6.73	4.497	1.159
1967	244	87.26	19.1	6.789	4.537	1.131
1968	244	87.25	19.12	6.753	4.506	1.123
1969	244	87.24	19.12	6.737	4.497	1.142
1970	245	87.3	19.15	6.751	4.505	1.178
1971	244	87.22	19.15	6.742	4.497	1.12
1972	244	87.25	19.16	6.777	4.523	1.13
1973	245	87.29	19.13	6.734	4.491	1.135
1974	244	87.25	19.12	6.758	4.553	1.128
1975	244	87.25	19.15	6.734	4.491	1.115
1976	244	87.34	19.21	6.761	4.509	1.118
1977	244	87.15	19.1	6.741	4.496	1.146
1978	244	87.24	19.15	6.731	4.49	1.144
1979	244	87.24	19.14	6.732	4.511	1.149
1980	245	87.28	19.1	6.754	4.529	1.126
1981	244	87.25	19.13	6.769	4.516	1.162
1982	244	87.25	19.12	6.732	4.501	1.15
1983	244	87.14	19.11	6.771	4.52	1.146
1984	244	87.12	19.16	6.747	4.501	1.11

1985	244	87.24	19.14	6.753	4.505	1.14
1986	244	87.24	19.12	6.73	4.489	1.112
1987	244	87.27	19.15	6.735	4.492	1.126
1988	244	87.24	19.13	6.761	4.511	1.12
1989	244	87.23	19.13	6.79	4.535	1.137
1990	244	87.24	19.22	6.855	4.578	1.135

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	245	87.34	19.22	6.855	4.578	1.325
0.0645161290322581	245	87.3	19.21	6.796	4.553	1.178
0.0967741935483871	245	87.3	19.17	6.79	4.539	1.162
0.129032258064516	245	87.29	19.16	6.789	4.537	1.16
0.161290322580645	244	87.28	19.16	6.777	4.535	1.159
0.193548387096774	244	87.27	19.15	6.771	4.529	1.15
0.225806451612903	244	87.26	19.15	6.769	4.523	1.149
0.258064516129032	244	87.25	19.15	6.761	4.52	1.147
0.290322580645161	244	87.25	19.15	6.761	4.516	1.146
0.32258064516129	244	87.25	19.15	6.758	4.511	1.146
0.354838709677419	244	87.25	19.14	6.754	4.511	1.144
0.387096774193548	244	87.25	19.14	6.753	4.509	1.142
0.419354838709677	244	87.25	19.14	6.753	4.506	1.14
0.451612903225806	244	87.24	19.13	6.751	4.505	1.137
0.483870967741936	244	87.24	19.13	6.747	4.505	1.135
0.516129032258065	244	87.24	19.13	6.742	4.501	1.135
0.548387096774194	244	87.24	19.13	6.742	4.501	1.134
0.580645161290323	244	87.24	19.13	6.741	4.499	1.131
0.612903225806452	244	87.24	19.12	6.737	4.497	1.13
0.645161290322581	244	87.24	19.12	6.735	4.497	1.128
0.67741935483871	244	87.24	19.12	6.734	4.497	1.128
0.709677419354839	244	87.24	19.12	6.734	4.496	1.126
0.741935483870968	244	87.23	19.12	6.732	4.494	1.126
0.774193548387097	244	87.23	19.12	6.732	4.492	1.123
0.806451612903226	244	87.22	19.11	6.731	4.491	1.12
0.838709677419355	244	87.16	19.11	6.731	4.491	1.12
0.870967741935484	244	87.15	19.1	6.731	4.49	1.118
0.903225806451613	244	87.14	19.1	6.73	4.489	1.115
0.935483870967742	244	87.14	19.1	6.73	4.489	1.112
0.967741935483871	244	87.12	19.07	6.721	4.485	1.11

0.1	245	87.299	19.169	6.7899	4.5388	1.1618
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Average of yearly averages: 1.14253333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosalm.out

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol	
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr	4.9e-7	torr	
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Solubility	sol	20	mg/L	
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Kd	Kd	10.7	mg/L	
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Koc Koc mg/L
 Photolysis half-life kdp 0 days Half-life
 Aerobic Aquatic Metabolism kbacw 0 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 81 days Halfife
 Hydrolysis: pH 7 0.5 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 6.67 kg/ha
 Application Efficiency: APPEFF 0.61 fraction
 Spray Drift DRFT 0.72 fraction of application rate applied to pond
 Application Date Date 15-05 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 3 days Set to 0 or delete line for single app.
 app. rate 1 apprate 6.67 kg/ha
 Record 17: FILTRA
 IPSCND 3
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none, monthly or total(average of
 entire run)

3. Citrus

stored as phoscit.out.out
 Chemical: phosmet
 PRZM environment: CACitrus_WirrigSTD.txt modified Tuesday, 29 May 2007 at
 12:41:26
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 05:14:08
 Metfile: w23155.dvf modified Tuesday, 26 August 2008 at 05:15:34
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	14.31	5.118	1.116	0.3909	0.2607	0.06429
1962	14.31	5.119	1.152	0.4281	0.2857	0.07051
1963	14.31	5.118	1.164	0.449	0.2999	0.07418
1964	14.35	5.124	1.118	0.392	0.2616	0.06439
1965	14.31	5.118	1.17	0.4117	0.2755	0.06804
1966	14.31	5.118	1.116	0.391	0.2608	0.06556
1967	14.31	5.118	1.116	0.3957	0.2652	0.06576
1968	14.31	5.118	1.13	0.3996	0.2665	0.06557
1969	14.31	5.118	1.117	0.3949	0.2637	0.06512
1970	14.31	5.118	1.116	0.3922	0.2619	0.06873
1971	14.31	5.118	1.116	0.3914	0.2651	0.06559
1972	14.31	5.118	1.117	0.391	0.2607	0.06797
1973	14.31	5.118	1.123	0.3938	0.2643	0.06537
1974	14.31	5.117	1.27	0.445	0.297	0.07382
1975	14.31	5.118	1.116	0.3919	0.2617	0.06466
1976	14.31	5.118	1.116	0.3915	0.2626	0.06476
1977	14.31	5.118	1.118	0.4109	0.2745	0.06842
1978	14.31	5.118	1.132	0.4027	0.2686	0.0664
1979	14.31	5.118	1.116	0.3911	0.2615	0.06457
1980	14.31	5.118	1.122	0.3948	0.2634	0.06479

1981	14.31	5.118	1.116	0.3972	0.2651	0.06554
1982	14.31	5.118	1.119	0.4035	0.2695	0.06649
1983	14.31	5.126	1.118	0.3924	0.2619	0.06482
1984	14.31	5.118	1.116	0.3912	0.261	0.06422
1985	14.31	5.118	1.116	0.3911	0.261	0.06525
1986	14.31	5.118	1.12	0.3923	0.2617	0.06453
1987	14.31	5.118	1.116	0.3913	0.2619	0.06545
1988	14.32	5.137	1.121	0.3958	0.2661	0.06555
1989	14.31	5.118	1.117	0.3926	0.2622	0.06495
1990	14.31	5.118	1.116	0.3915	0.2616	0.06476

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	14.35	5.137	1.27	0.449	0.2999	0.07418
0.0645161290322581	14.32	5.126	1.17	0.445	0.297	0.07382
0.0967741935483871	14.31	5.124	1.164	0.4281	0.2857	0.07051
0.129032258064516	14.31	5.119	1.152	0.4117	0.2755	0.06873
0.161290322580645	14.31	5.118	1.132	0.4109	0.2745	0.06842
0.193548387096774	14.31	5.118	1.13	0.4035	0.2695	0.06804
0.225806451612903	14.31	5.118	1.123	0.4027	0.2686	0.06797
0.258064516129032	14.31	5.118	1.122	0.3996	0.2665	0.06649
0.290322580645161	14.31	5.118	1.121	0.3972	0.2661	0.0664
0.32258064516129	14.31	5.118	1.12	0.3958	0.2652	0.06576
0.354838709677419	14.31	5.118	1.119	0.3957	0.2651	0.06559
0.387096774193548	14.31	5.118	1.118	0.3949	0.2651	0.06557
0.419354838709677	14.31	5.118	1.118	0.3948	0.2643	0.06556
0.451612903225806	14.31	5.118	1.118	0.3938	0.2637	0.06555
0.483870967741936	14.31	5.118	1.117	0.3926	0.2634	0.06554
0.516129032258065	14.31	5.118	1.117	0.3924	0.2626	0.06545
0.548387096774194	14.31	5.118	1.117	0.3923	0.2622	0.06537
0.580645161290323	14.31	5.118	1.116	0.3922	0.2619	0.06525
0.612903225806452	14.31	5.118	1.116	0.392	0.2619	0.06512
0.645161290322581	14.31	5.118	1.116	0.3919	0.2619	0.06495
0.67741935483871	14.31	5.118	1.116	0.3915	0.2617	0.06482
0.709677419354839	14.31	5.118	1.116	0.3915	0.2617	0.06479
0.741935483870968	14.31	5.118	1.116	0.3914	0.2616	0.06476
0.774193548387097	14.31	5.118	1.116	0.3913	0.2616	0.06476
0.806451612903226	14.31	5.118	1.116	0.3912	0.2615	0.06466
0.838709677419355	14.31	5.118	1.116	0.3911	0.261	0.06457
0.870967741935484	14.31	5.118	1.116	0.3911	0.261	0.06453
0.903225806451613	14.31	5.118	1.116	0.391	0.2608	0.06439
0.935483870967742	14.31	5.118	1.116	0.391	0.2607	0.06429
0.967741935483871	14.31	5.117	1.116	0.3909	0.2607	0.06422

0.1	14.31	5.1235	1.1628	0.42646	0.28468	0.070332
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Average of yearly averages:

0.0663353333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phoscit.out

Metfile: w23155.dvf

PRZM scenario: CACitrus_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable	Name	Value	Units	Comments
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Molecular weight mwt 317.3 g/mol
 Henry's Law Const. henry 1.0e-8 atm-m³/mol
 Vapor Pressure vapr 4.9e-7 torr
 Solubility sol 20 mg/L
 Kd Kd 10.7 mg/L
 Koc Koc mg/L
 Photolysis half-life kdp 0 days Half-life
 Aerobic Aquatic Metabolism kbacw 0 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 81 days Halfife
 Hydrolysis: pH 7 0.5 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 2.35 kg/ha
 Application Efficiency: APPEFF 0.92 fraction
 Spray Drift DRFT 0.12 fraction of application rate applied to pond
 Application Date Date 01-03 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 3 days Set to 0 or delete line for single app.
 app. rate 1 apprate 2.35 kg/ha
 Record 17: FILTRA
 IPSCND 3
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none, monthly or total(average of
 entire run)

4. CA forestry

stored as phosfor.out.out
 Chemical: phosmet
 PRZM environment: CAForestryRLF.txt modified Tuesday, 19 January 2010 at
 11:56:27
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 05:14:08
 Metfile: w24283.dvf modified Tuesday, 26 August 2008 at 05:15:56
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.92	0.8117	0.3329	0.171	0.114	0.03388
1962	8.822	1.909	0.3704	0.163	0.1087	0.05436
1963	3.919	0.8114	0.3115	0.1634	0.1089	0.03928
1964	4.284	1.113	0.3104	0.163	0.1087	0.04169
1965	3.919	0.8114	0.3104	0.163	0.1087	0.03239
1966	5.262	1.304	0.3341	0.163	0.1087	0.05238
1967	3.919	0.8114	0.3134	0.1641	0.1094	0.03687
1968	3.919	0.8114	0.3104	0.163	0.1087	0.03453
1969	3.919	0.8114	0.3104	0.163	0.1087	0.039
1970	3.919	0.8114	0.3104	0.163	0.1087	0.04536
1971	3.919	0.8114	0.3104	0.167	0.1114	0.03614
1972	3.919	0.8114	0.3104	0.163	0.1087	0.03101
1973	3.919	0.8114	0.3104	0.163	0.1087	0.04106
1974	3.919	0.8114	0.3104	0.163	0.1087	0.03549
1975	8.821	1.842	0.3757	0.163	0.1087	0.0536

1976	3.919	0.8114	0.3104	0.163	0.1087	0.02984
1977	3.919	0.8114	0.3104	0.163	0.1093	0.04354
1978	3.919	0.8114	0.3104	0.163	0.1087	0.03278
1979	3.919	0.8118	0.3334	0.1712	0.1142	0.03895
1980	8.37	1.788	0.3424	0.1631	0.1087	0.04648
1981	3.919	0.8248	0.3132	0.164	0.1093	0.04067
1982	6.271	1.298	0.3252	0.163	0.1087	0.05187
1983	3.919	0.9426	0.3104	0.163	0.1093	0.0423
1984	4.255	0.8823	0.3184	0.1658	0.1106	0.04446
1985	3.919	0.8114	0.3104	0.163	0.1087	0.03524
1986	3.919	0.856	0.3192	0.1661	0.1108	0.03151
1987	3.919	0.8828	0.3104	0.163	0.1087	0.04683
1988	3.919	1.351	0.4436	0.2104	0.1404	0.03863
1989	3.919	0.8114	0.3104	0.163	0.1087	0.03032
1990	3.921	0.8314	0.3366	0.1722	0.1148	0.03353

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	8.822	1.909	0.4436	0.2104	0.1404	0.05436
0.0645161290322581	8.821	1.842	0.3757	0.1722	0.1148	0.0536
0.0967741935483871	8.37	1.788	0.3704	0.1712	0.1142	0.05238
0.129032258064516	6.271	1.351	0.3424	0.171	0.114	0.05187
0.161290322580645	5.262	1.304	0.3366	0.167	0.1114	0.04683
0.193548387096774	4.284	1.298	0.3341	0.1661	0.1108	0.04648
0.225806451612903	4.255	1.113	0.3334	0.1658	0.1106	0.04536
0.258064516129032	3.921	0.9426	0.3329	0.1641	0.1094	0.04446
0.290322580645161	3.92	0.8828	0.3252	0.164	0.1093	0.04354
0.32258064516129	3.919	0.8823	0.3192	0.1634	0.1093	0.0423
0.354838709677419	3.919	0.856	0.3184	0.1631	0.1093	0.04169
0.387096774193548	3.919	0.8314	0.3134	0.163	0.1089	0.04106
0.419354838709677	3.919	0.8248	0.3132	0.163	0.1087	0.04067
0.451612903225806	3.919	0.8118	0.3115	0.163	0.1087	0.03928
0.483870967741936	3.919	0.8117	0.3104	0.163	0.1087	0.039
0.516129032258065	3.919	0.8114	0.3104	0.163	0.1087	0.03895
0.548387096774194	3.919	0.8114	0.3104	0.163	0.1087	0.03863
0.580645161290323	3.919	0.8114	0.3104	0.163	0.1087	0.03687
0.612903225806452	3.919	0.8114	0.3104	0.163	0.1087	0.03614
0.645161290322581	3.919	0.8114	0.3104	0.163	0.1087	0.03549
0.67741935483871	3.919	0.8114	0.3104	0.163	0.1087	0.03524
0.709677419354839	3.919	0.8114	0.3104	0.163	0.1087	0.03453
0.741935483870968	3.919	0.8114	0.3104	0.163	0.1087	0.03388
0.774193548387097	3.919	0.8114	0.3104	0.163	0.1087	0.03353
0.806451612903226	3.919	0.8114	0.3104	0.163	0.1087	0.03278
0.838709677419355	3.919	0.8114	0.3104	0.163	0.1087	0.03239
0.870967741935484	3.919	0.8114	0.3104	0.163	0.1087	0.03151
0.903225806451613	3.919	0.8114	0.3104	0.163	0.1087	0.03101
0.935483870967742	3.919	0.8114	0.3104	0.163	0.1087	0.03032
0.967741935483871	3.919	0.8114	0.3104	0.163	0.1087	0.02984

0.1	8.1601	1.7443	0.3676	0.17118	0.11418	0.052329
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Average of yearly averages:

0.0397996666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosfor.out

Metfile: w24283.dvf
 PRZM scenario: CAFEorestryRLF.txt
 EXAMS environment file: pond298.exv
 Chemical Name: phosmet
 Description Variable Name Value Units Comments
 Molecular weight mwt 317.3 g/mol
 Henry's Law Const. henry 1.0e-8 atm-m³/mol
 Vapor Pressure vapr 4.9e-7 torr
 Solubility sol 20 mg/L
 Kd Kd 10.7 mg/L
 Koc Koc mg/L
 Photolysis half-life kdp 0 days Half-life
 Aerobic Aquatic Metabolism kbacw 0 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 81 days Halfife
 Hydrolysis: pH 7 0.5 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 1.12 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.07 fraction of application rate applied to pond
 Application Date Date 01-05 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 14 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.12 kg/ha
 Interval 2 interval 14 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.12 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, monthly or total(average of entire run)

5. Fruit trees (apples)

stored as phosapl.out.out
 Chemical: phosmet
 PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:42:32
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08
 Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	31.84	11.48	4.812	1.686	1.125	0.2853
1962	31.84	11.48	4.81	1.685	1.123	0.2836
1963	31.84	11.48	4.811	1.69	1.127	0.2905
1964	31.84	11.48	4.81	1.685	1.123	0.2881
1965	31.85	11.49	4.811	1.684	1.131	0.2854
1966	31.84	11.48	4.811	1.685	1.123	0.2985
1967	31.84	11.48	4.811	1.688	1.127	0.2795
1968	31.84	11.49	4.811	1.685	1.124	0.2958

1969	31.84	11.49	4.811	1.684	1.128	0.2967
1970	31.84	11.48	4.811	1.684	1.131	0.3142
1971	31.84	11.48	4.811	1.699	1.135	0.2814
1972	31.84	11.48	4.811	1.688	1.128	0.2877
1973	31.84	11.48	4.811	1.684	1.123	0.2822
1974	31.84	11.49	4.811	1.684	1.123	0.2886
1975	31.84	11.49	4.811	1.684	1.123	0.2777
1976	31.84	11.49	4.811	1.684	1.126	0.3122
1977	31.84	11.49	4.811	1.686	1.125	0.283
1978	31.84	11.48	4.811	1.684	1.124	0.2879
1979	31.84	11.48	4.811	1.685	1.124	0.2797
1980	31.84	11.48	4.81	1.685	1.144	0.2904
1981	31.84	11.49	4.81	1.685	1.124	0.2819
1982	31.84	11.49	4.811	1.688	1.129	0.3144
1983	31.84	11.48	4.811	1.685	1.124	0.2929
1984	31.84	11.48	4.81	1.687	1.126	0.2838
1985	31.84	11.49	4.811	1.688	1.126	0.2817
1986	31.84	11.48	4.81	1.684	1.131	0.3083
1987	31.84	11.48	4.889	1.712	1.142	0.286
1988	31.84	11.49	4.811	1.686	1.125	0.2814
1989	31.84	11.48	4.877	1.711	1.144	0.2849
1990	31.84	11.48	4.809	1.955	1.306	0.3269

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	31.85	11.49	4.889	1.955	1.306	0.3269
0.0645161290322581	31.84	11.49	4.877	1.712	1.144	0.3144
0.0967741935483871	31.84	11.49	4.812	1.711	1.144	0.3142
0.129032258064516	31.84	11.49	4.811	1.699	1.142	0.3122
0.161290322580645	31.84	11.49	4.811	1.69	1.135	0.3083
0.193548387096774	31.84	11.49	4.811	1.688	1.131	0.2985
0.225806451612903	31.84	11.49	4.811	1.688	1.131	0.2967
0.258064516129032	31.84	11.49	4.811	1.688	1.131	0.2958
0.290322580645161	31.84	11.49	4.811	1.688	1.129	0.2929
0.32258064516129	31.84	11.49	4.811	1.687	1.128	0.2905
0.354838709677419	31.84	11.49	4.811	1.686	1.128	0.2904
0.387096774193548	31.84	11.48	4.811	1.686	1.127	0.2886
0.419354838709677	31.84	11.48	4.811	1.686	1.127	0.2881
0.451612903225806	31.84	11.48	4.811	1.685	1.126	0.2879
0.483870967741936	31.84	11.48	4.811	1.685	1.126	0.2877
0.516129032258065	31.84	11.48	4.811	1.685	1.126	0.286
0.548387096774194	31.84	11.48	4.811	1.685	1.125	0.2854
0.580645161290323	31.84	11.48	4.811	1.685	1.125	0.2853
0.612903225806452	31.84	11.48	4.811	1.685	1.125	0.2849
0.645161290322581	31.84	11.48	4.811	1.685	1.124	0.2838
0.67741935483871	31.84	11.48	4.811	1.685	1.124	0.2836
0.709677419354839	31.84	11.48	4.811	1.684	1.124	0.283
0.741935483870968	31.84	11.48	4.811	1.684	1.124	0.2822
0.774193548387097	31.84	11.48	4.81	1.684	1.124	0.2819
0.806451612903226	31.84	11.48	4.81	1.684	1.123	0.2817
0.838709677419355	31.84	11.48	4.81	1.684	1.123	0.2814
0.870967741935484	31.84	11.48	4.81	1.684	1.123	0.2814
0.903225806451613	31.84	11.48	4.81	1.684	1.123	0.2797
0.935483870967742	31.84	11.48	4.81	1.684	1.123	0.2795
0.967741935483871	31.84	11.48	4.809	1.684	1.123	0.2777
0.1	31.84	11.49	4.8119	1.7098	1.1438	0.314

Average of yearly averages: 0.29102

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: phosapl.out

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		317.3	g/mol	
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Henry's Law Const.	henry		1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr		4.9e-7	torr	
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Solubility	sol	20	mg/L		
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Kd	Kd	10.7	mg/L		
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Koc	Koc		mg/L		
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Photolysis half-life	kdp	0	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
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Aerobic Soil Metabolism	asm	81	days		Halfife
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Hydrolysis: pH 7	0.5	days			Half-life
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Method:	CAM	2	integer		See PRZM manual
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Incorporation Depth:	DEPI	0	cm		
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Application Rate:	TAPP	4.48	kg/ha		
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Application Efficiency:	APPEFF	0.92			fraction
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Spray Drift	DRFT	0.14			fraction of application rate applied to pond
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Application Date	Date	01-05	dd/mm		or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	3	days		Set to 0 or delete line for single app.
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app. rate 1	apprate	4.48	kg/ha		
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Interval 2	interval	3	days		Set to 0 or delete line for single app.
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app. rate 2	apprate	4.48	kg/ha		
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Interval 3	interval	3	days		Set to 0 or delete line for single app.
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app. rate 3	apprate	3.92	kg/ha		
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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, monthly or total(average of entire run)

6. Fruit trees (apricot)

stored as phosapr.out.out

Chemical: phosmet

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:42:32

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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1961	46.06	16.61	7.124	2.495	1.664	0.4137
1962	46.06	16.61	7.124	2.494	1.673	0.4128
1963	46.06	16.61	7.135	2.502	1.693	0.4182
1964	46.06	16.61	7.124	2.494	1.663	0.4152
1965	46.06	16.61	7.124	2.5	1.667	0.4156
1966	46.06	16.61	7.124	2.494	1.663	0.4253
1967	52.22	18	7.387	2.588	1.726	0.4265
1968	46.06	16.61	7.124	2.494	1.663	0.4228
1969	46.06	16.61	7.121	2.493	1.666	0.4239
1970	46.06	16.61	7.124	2.501	1.668	0.4365
1971	46.56	16.87	7.204	2.529	1.688	0.4169
1972	46.06	16.61	7.124	2.497	1.666	0.4171
1973	46.06	16.61	7.124	2.494	1.665	0.4138
1974	46.06	16.61	7.124	2.494	1.663	0.418
1975	46.06	16.61	7.124	2.494	1.663	0.4105
1976	46.06	16.61	7.124	2.494	1.691	0.4328
1977	46.06	16.61	7.124	2.495	1.664	0.4136
1978	46.06	16.61	7.172	2.512	1.678	0.4162
1979	46.06	16.61	7.124	2.494	1.663	0.4107
1980	46.06	16.61	7.124	2.495	1.678	0.419
1981	46.08	16.68	7.137	2.5	1.677	0.4143
1982	46.06	16.61	7.124	2.498	1.665	0.434
1983	46.06	16.61	7.534	2.639	1.761	0.4395
1984	46.06	16.61	7.124	2.495	1.665	0.4141
1985	46.06	16.61	7.124	2.494	1.665	0.4134
1986	46.06	16.61	7.124	2.496	1.673	0.4295
1987	46.06	16.61	7.124	2.513	1.676	0.4159
1988	46.16	16.96	7.19	2.518	1.68	0.4144
1989	46.06	16.61	7.124	2.515	1.678	0.4152
1990	46.06	16.65	7.178	2.633	1.757	0.4361

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	52.22	18	7.534	2.639	1.761	0.4395
0.0645161290322581	46.56	16.96	7.387	2.633	1.757	0.4365
0.0967741935483871	46.16	16.87	7.204	2.588	1.726	0.4361
0.129032258064516	46.08	16.68	7.19	2.529	1.693	0.434
0.161290322580645	46.06	16.65	7.178	2.518	1.691	0.4328
0.193548387096774	46.06	16.61	7.172	2.515	1.688	0.4295
0.225806451612903	46.06	16.61	7.137	2.513	1.68	0.4265
0.258064516129032	46.06	16.61	7.135	2.512	1.678	0.4253
0.290322580645161	46.06	16.61	7.124	2.502	1.678	0.4239
0.32258064516129	46.06	16.61	7.124	2.501	1.678	0.4228
0.354838709677419	46.06	16.61	7.124	2.5	1.677	0.419
0.387096774193548	46.06	16.61	7.124	2.5	1.676	0.4182
0.419354838709677	46.06	16.61	7.124	2.498	1.673	0.418
0.451612903225806	46.06	16.61	7.124	2.497	1.673	0.4171
0.483870967741936	46.06	16.61	7.124	2.496	1.668	0.4169
0.516129032258065	46.06	16.61	7.124	2.495	1.667	0.4162
0.548387096774194	46.06	16.61	7.124	2.495	1.666	0.4159
0.580645161290323	46.06	16.61	7.124	2.495	1.666	0.4156
0.612903225806452	46.06	16.61	7.124	2.495	1.665	0.4152
0.645161290322581	46.06	16.61	7.124	2.494	1.665	0.4152
0.67741935483871	46.06	16.61	7.124	2.494	1.665	0.4144
0.709677419354839	46.06	16.61	7.124	2.494	1.665	0.4143
0.741935483870968	46.06	16.61	7.124	2.494	1.664	0.4141
0.774193548387097	46.06	16.61	7.124	2.494	1.664	0.4138

0.806451612903226	46.06	16.61	7.124	2.494	1.663	0.4137
0.838709677419355	46.06	16.61	7.124	2.494	1.663	0.4136
0.870967741935484	46.06	16.61	7.124	2.494	1.663	0.4134
0.903225806451613	46.06	16.61	7.124	2.494	1.663	0.4128
0.935483870967742	46.06	16.61	7.124	2.494	1.663	0.4107
0.967741935483871	46.06	16.61	7.121	2.493	1.663	0.4105
0.1	46.152	16.851	7.2026	2.5821	1.7227	0.43589
Average of yearly averages:						0.4201833333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosapr.out

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol	
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr	4.9e-7	torr	
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Solubility	sol	20	mg/L	
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Kd	Kd	10.7	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	81	days	Halfife
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Hydrolysis: pH 7	0.5	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate: TAPP	3.36	kg/ha		
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Application Efficiency:	APPEFF	0.85	fraction	
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Spray Drift	DRFT	0.27	fraction of	application rate applied to pond
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Application Date	Date	15-04	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	3	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	3.36	kg/ha	
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Interval 2	interval	3	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	3.36	kg/ha	
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Interval 3	interval	3	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	3.25	kg/ha	
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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, monthly or total(average of entire run)

7. Fruit trees (pears)

stored as phospear.out.out

Chemical: phosmet

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:42:32

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	50.02	17.89	5.465	1.914	1.277	0.3175
1962	50.02	17.89	5.465	1.913	1.284	0.3167
1963	50.02	17.89	5.479	1.921	1.306	0.3225
1964	50.02	17.89	5.465	1.913	1.276	0.3196
1965	50.02	17.89	5.465	1.919	1.28	0.32
1966	50.02	17.89	5.465	1.913	1.276	0.3295
1967	58.51	19.21	5.829	2.043	1.362	0.3367
1968	50.02	17.89	5.465	1.913	1.276	0.3272
1969	50.02	17.88	5.463	1.914	1.292	0.3281
1970	50.02	17.89	5.465	1.921	1.281	0.3403
1971	50.72	18.43	5.575	1.958	1.307	0.3229
1972	50.02	17.89	5.465	1.916	1.278	0.3217
1973	50.02	17.89	5.465	1.913	1.278	0.3182
1974	50.02	17.89	5.465	1.913	1.276	0.3222
1975	50.02	17.89	5.465	1.913	1.276	0.315
1976	50.02	17.89	5.465	1.913	1.304	0.337
1977	50.02	17.89	5.465	1.914	1.277	0.318
1978	50.02	17.89	5.513	1.931	1.29	0.3205
1979	50.02	17.89	5.465	1.913	1.276	0.3152
1980	50.02	17.89	5.465	1.915	1.291	0.3235
1981	50.03	17.89	5.484	1.922	1.291	0.3191
1982	50.02	17.89	5.465	1.916	1.278	0.3369
1983	50.02	17.88	5.863	2.054	1.371	0.3431
1984	50.02	17.89	5.465	1.914	1.278	0.3188
1985	50.03	17.89	5.465	1.913	1.278	0.3179
1986	50.02	17.89	5.465	1.915	1.286	0.3335
1987	50.02	17.89	5.465	1.932	1.288	0.3203
1988	50.02	17.89	5.558	1.946	1.299	0.3202
1989	50.02	17.89	5.465	1.933	1.29	0.3194
1990	50.02	17.89	5.535	2.034	1.357	0.3373

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	58.51	19.21	5.863	2.054	1.371	0.3431
0.0645161290322581	50.72	18.43	5.829	2.043	1.362	0.3403
0.0967741935483871	50.03	17.89	5.575	2.034	1.357	0.3373
0.129032258064516	50.03	17.89	5.558	1.958	1.307	0.337
0.161290322580645	50.02	17.89	5.535	1.946	1.306	0.3369
0.193548387096774	50.02	17.89	5.513	1.933	1.304	0.3367
0.225806451612903	50.02	17.89	5.484	1.932	1.299	0.3335
0.258064516129032	50.02	17.89	5.479	1.931	1.292	0.3295
0.290322580645161	50.02	17.89	5.465	1.922	1.291	0.3281
0.32258064516129	50.02	17.89	5.465	1.921	1.291	0.3272
0.354838709677419	50.02	17.89	5.465	1.921	1.29	0.3235
0.387096774193548	50.02	17.89	5.465	1.919	1.29	0.3229
0.419354838709677	50.02	17.89	5.465	1.916	1.288	0.3225
0.451612903225806	50.02	17.89	5.465	1.916	1.286	0.3222
0.483870967741936	50.02	17.89	5.465	1.915	1.284	0.3217
0.516129032258065	50.02	17.89	5.465	1.915	1.281	0.3205

0.548387096774194	50.02	17.89	5.465	1.914	1.28	0.3203
0.580645161290323	50.02	17.89	5.465	1.914	1.278	0.3202
0.612903225806452	50.02	17.89	5.465	1.914	1.278	0.32
0.645161290322581	50.02	17.89	5.465	1.914	1.278	0.3196
0.67741935483871	50.02	17.89	5.465	1.913	1.278	0.3194
0.709677419354839	50.02	17.89	5.465	1.913	1.278	0.3191
0.741935483870968	50.02	17.89	5.465	1.913	1.277	0.3188
0.774193548387097	50.02	17.89	5.465	1.913	1.277	0.3182
0.806451612903226	50.02	17.89	5.465	1.913	1.276	0.318
0.838709677419355	50.02	17.89	5.465	1.913	1.276	0.3179
0.870967741935484	50.02	17.89	5.465	1.913	1.276	0.3175
0.903225806451613	50.02	17.89	5.465	1.913	1.276	0.3167
0.935483870967742	50.02	17.88	5.465	1.913	1.276	0.3152
0.967741935483871	50.02	17.88	5.463	1.913	1.276	0.315
0.1	50.03	17.89	5.5733	2.0264	1.352	0.33727
Average of yearly averages:						0.324626666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phospear.out

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		317.3	g/mol	
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Henry's Law Const.	henry		1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr		4.9e-7	torr	
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Solubility	sol	20	mg/L		
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Kd	Kd	10.7	mg/L		
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Koc	Koc		mg/L		
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Photolysis half-life	kdp	0	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
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Aerobic Soil Metabolism	asm	81	days		Halfife
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Hydrolysis: pH 7	0.5	days			Half-life
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Method:	CAM	2	integer		See PRZM manual
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Incorporation Depth:	DEPI	0	cm		
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Application Rate:	TAPP	4.48	kg/ha		
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Application Efficiency:	APPEFF	0.88			fraction
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Spray Drift	DRFT	0.22	fraction of		application rate applied to pond
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Application Date	Date	15-04	dd/mm		or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	3	days		Set to 0 or delete line for single app.
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app. rate 1	apprate	4.48	kg/ha		
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Interval 2	interval	3	days		Set to 0 or delete line for single app.
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app. rate 2	apprate	3.59	kg/ha		
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.5
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Flag for Index Res. Run IR EPA Pond

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

8. Grapes

stored as phosgrp.out.out

Chemical: phosmet

PRZM environment: CAgapes_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:42:54

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.4483	0.1089	0.03517	0.01311	0.009098	0.004319
1962	0.516	0.1371	0.03138	0.01277	0.01338	0.003751
1963	0.7288	0.2033	0.0477	0.01823	0.01249	0.006172
1964	1.205	0.2496	0.05384	0.02054	0.01382	0.005656
1965	0.4023	0.09523	0.03293	0.0153	0.01099	0.00428
1966	1.193	0.4342	0.08817	0.03092	0.02062	0.007189
1967	0.2741	0.09229	0.03292	0.01301	0.009402	0.003478
1968	1.584	0.328	0.0653	0.02917	0.02244	0.007841
1969	1.028	0.2211	0.1193	0.04452	0.0298	0.009319
1970	1.252	0.3625	0.0917	0.03576	0.02384	0.01308
1971	0.2574	0.09348	0.03129	0.01706	0.01244	0.003386
1972	0.6014	0.1958	0.04279	0.01633	0.01171	0.005397
1973	0.4233	0.09414	0.03099	0.01157	0.008142	0.003444
1974	0.9491	0.1967	0.03773	0.01745	0.01164	0.006065
1975	0.2565	0.09424	0.03124	0.01176	0.007879	0.002436
1976	3.031	0.6273	0.1202	0.04376	0.03029	0.0132
1977	0.3611	0.09456	0.03086	0.01568	0.01085	0.004036
1978	0.9487	0.1967	0.03778	0.01326	0.01303	0.006051
1979	0.2575	0.09371	0.031	0.01209	0.008313	0.002995
1980	0.5778	0.1195	0.04368	0.02424	0.01616	0.006136
1981	0.8188	0.1714	0.03951	0.01481	0.009943	0.004623
1982	1.063	0.2203	0.04231	0.03069	0.03005	0.0126
1983	0.7318	0.1515	0.05093	0.01825	0.0122	0.007598
1984	0.4205	0.09425	0.03355	0.01455	0.01017	0.004122
1985	0.2591	0.09409	0.03145	0.01455	0.01021	0.003685
1986	3.336	0.6902	0.1321	0.04625	0.03083	0.01087
1987	1.54	0.3191	0.09348	0.0351	0.02365	0.00683
1988	0.2559	0.09229	0.03121	0.01309	0.009048	0.003319
1989	0.4701	0.1425	0.04891	0.02071	0.01409	0.004175
1990	4.182	0.8667	0.1743	0.0745	0.05062	0.01352

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	4.182	0.8667	0.1743	0.0745	0.05062	0.01352
0.0645161290322581	3.336	0.6902	0.1321	0.04625	0.03083	0.0132
0.0967741935483871	3.031	0.6273	0.1202	0.04452	0.03029	0.01308
0.129032258064516	1.584	0.4342	0.1193	0.04376	0.03005	0.0126
0.161290322580645	1.54	0.3625	0.09348	0.03576	0.0298	0.01087
0.193548387096774	1.252	0.328	0.0917	0.0351	0.02384	0.009319
0.225806451612903	1.205	0.3191	0.08817	0.03092	0.02365	0.007841
0.258064516129032	1.193	0.2496	0.0653	0.03069	0.02244	0.007598
0.290322580645161	1.063	0.2211	0.05384	0.02917	0.02062	0.007189
0.32258064516129	1.028	0.2203	0.05093	0.02424	0.01616	0.00683

0.354838709677419	0.9491	0.2033	0.04891	0.02071	0.01409	0.006172
0.387096774193548	0.9487	0.1967	0.0477	0.02054	0.01382	0.006136
0.419354838709677	0.8188	0.1967	0.04368	0.01825	0.01338	0.006065
0.451612903225806	0.7318	0.1958	0.04279	0.01823	0.01303	0.006051
0.483870967741936	0.7288	0.1714	0.04231	0.01745	0.01249	0.005656
0.516129032258065	0.6014	0.1515	0.03951	0.01706	0.01244	0.005397
0.548387096774194	0.5778	0.1425	0.03778	0.01633	0.0122	0.004623
0.580645161290323	0.516	0.1371	0.03773	0.01568	0.01171	0.004319
0.612903225806452	0.4701	0.1195	0.03517	0.0153	0.01164	0.00428
0.645161290322581	0.4483	0.1089	0.03355	0.01481	0.01099	0.004175
0.67741935483871	0.4233	0.09523	0.03293	0.01455	0.01085	0.004122
0.709677419354839	0.4205	0.09456	0.03292	0.01455	0.01021	0.004036
0.741935483870968	0.4023	0.09425	0.03145	0.01326	0.01017	0.003751
0.774193548387097	0.3611	0.09424	0.03138	0.01311	0.009943	0.003685
0.806451612903226	0.2741	0.09414	0.03129	0.01309	0.009402	0.003478
0.838709677419355	0.2591	0.09409	0.03124	0.01301	0.009098	0.003444
0.870967741935484	0.2575	0.09371	0.03121	0.01277	0.009048	0.003386
0.903225806451613	0.2574	0.09348	0.031	0.01209	0.008313	0.003319
0.935483870967742	0.2565	0.09229	0.03099	0.01176	0.008142	0.002995
0.967741935483871	0.2559	0.09229	0.03086	0.01157	0.007879	0.002436

0.1	2.8863	0.60799	0.12011	0.044444	0.030266	0.013032
Average of yearly averages:						0.0063191

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosgrp.out

Metfile: w93193.dvf

PRZM scenario: CAgrapes_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol	
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr	4.9e-7	torr	
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Solubility	sol	20	mg/L	
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Kd	Kd	10.7	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	81	days	Halfife
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Hydrolysis: pH 7	0.5	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	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	0.003	fraction of	application rate applied to pond
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Application Date	Date	01-05	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	3	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	1.68	kg/ha	
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Interval 2	interval	3	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	1.68	kg/ha	
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

9. Blueberries (CA Wine Grape)

stored as phosblu.out.out

Chemical: phosmet

PRZM environment: CAWineGrapesRLF_V2.txt modified Wedday, 26 March 2008 at 09:40:10

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.721	2.057	1.151	0.4087	0.2727	0.0677
1962	5.689	2.054	1.11	0.3895	0.2599	0.08506
1963	5.92	2.234	1.177	0.4128	0.2793	0.06909
1964	5.693	2.053	1.11	0.3894	0.2601	0.06533
1965	6.149	2.436	1.187	0.4162	0.2776	0.06899
1966	5.689	2.052	1.109	0.3891	0.2596	0.06744
1967	6.761	2.895	1.298	0.4552	0.3093	0.07693
1968	5.694	2.054	1.11	0.3893	0.2597	0.06573
1969	5.717	2.151	1.128	0.3967	0.2658	0.06848
1970	5.687	2.053	1.111	0.3897	0.26	0.06738
1971	5.686	2.051	1.111	0.3901	0.2603	0.0644
1972	5.689	2.056	1.11	0.3901	0.2603	0.06893
1973	5.687	2.054	1.11	0.3896	0.2599	0.07024
1974	7.161	2.357	1.172	0.4112	0.2743	0.06806
1975	6.04	2.125	1.123	0.3941	0.2633	0.06547
1976	5.686	2.051	1.108	0.3895	0.2603	0.06608
1977	5.694	2.053	1.109	0.3892	0.2598	0.06744
1978	5.739	2.092	1.224	0.4589	0.3062	0.07635
1979	5.692	2.056	1.11	0.3896	0.26	0.06695
1980	5.713	2.057	1.11	0.3898	0.2601	0.06497
1981	5.688	2.053	1.11	0.3897	0.2648	0.07237
1982	14.89	3.961	1.479	0.5203	0.3471	0.08969
1983	5.702	2.055	1.11	0.3976	0.2652	0.06563
1984	5.69	2.058	1.111	0.3902	0.2602	0.06702
1985	5.697	2.054	1.109	0.3895	0.26	0.06603
1986	5.693	2.057	1.111	0.3898	0.2611	0.06484
1987	5.692	2.053	1.11	0.3895	0.2621	0.06735
1988	5.687	2.054	1.325	0.4693	0.3132	0.07746
1989	5.706	2.055	1.109	0.3893	0.2597	0.06552
1990	5.687	2.052	1.109	0.4038	0.2696	0.06682

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	14.89	3.961	1.479	0.5203	0.3471	0.08969
0.0645161290322581	7.161	2.895	1.325	0.4693	0.3132	0.08506
0.0967741935483871	6.761	2.436	1.298	0.4589	0.3093	0.07746
0.129032258064516	6.149	2.357	1.224	0.4552	0.3062	0.07693

0.161290322580645	6.04	2.234	1.187	0.4162	0.2793	0.07635
0.193548387096774	5.92	2.151	1.177	0.4128	0.2776	0.07237
0.225806451612903	5.739	2.125	1.172	0.4112	0.2743	0.07024
0.258064516129032	5.721	2.092	1.151	0.4087	0.2727	0.06909
0.290322580645161	5.717	2.058	1.128	0.4038	0.2696	0.06899
0.32258064516129	5.713	2.057	1.123	0.3976	0.2658	0.06893
0.354838709677419	5.706	2.057	1.111	0.3967	0.2652	0.06848
0.387096774193548	5.702	2.057	1.111	0.3941	0.2648	0.06806
0.419354838709677	5.697	2.056	1.111	0.3902	0.2633	0.0677
0.451612903225806	5.694	2.056	1.111	0.3901	0.2621	0.06744
0.483870967741936	5.694	2.055	1.11	0.3901	0.2611	0.06744
0.516129032258065	5.693	2.055	1.11	0.3898	0.2603	0.06738
0.548387096774194	5.693	2.054	1.11	0.3898	0.2603	0.06735
0.580645161290323	5.692	2.054	1.11	0.3897	0.2603	0.06702
0.612903225806452	5.692	2.054	1.11	0.3897	0.2602	0.06695
0.645161290322581	5.69	2.054	1.11	0.3896	0.2601	0.06682
0.67741935483871	5.689	2.054	1.11	0.3896	0.2601	0.06608
0.709677419354839	5.689	2.053	1.11	0.3895	0.26	0.06603
0.741935483870968	5.689	2.053	1.11	0.3895	0.26	0.06573
0.774193548387097	5.688	2.053	1.11	0.3895	0.26	0.06563
0.806451612903226	5.687	2.053	1.109	0.3895	0.2599	0.06552
0.838709677419355	5.687	2.053	1.109	0.3894	0.2599	0.06547
0.870967741935484	5.687	2.052	1.109	0.3893	0.2598	0.06533
0.903225806451613	5.687	2.052	1.109	0.3893	0.2597	0.06497
0.935483870967742	5.686	2.051	1.109	0.3892	0.2597	0.06484
0.967741935483871	5.686	2.051	1.108	0.3891	0.2596	0.0644

0.1 6.6998 2.4281 1.2906 0.45853 0.30899 0.077407
Average of yearly averages:
0.0694583333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosblu.out

Metfile: w23234.dvf

PRZM scenario: CAWineGrapesRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol	
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr	4.9e-7	torr	
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Solubility	sol	20	mg/L	
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Kd	Kd	10.7	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	81	days	Halfife
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Hydrolysis: pH 7	0.5	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	1.12	kg/ha	
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Application Efficiency:	APPEFF	0.92	fraction	
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Spray Drift	DRFT	0.1	fraction of application rate applied to pond	
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Application Date	Date	01-04	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1 interval 3 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.12 kg/ha
 Interval 2 interval 3 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.12 kg/ha
 Interval 3 interval 3 days Set to 0 or delete line for single app.
 app. rate 3 apprate 1.12 kg/ha
 Interval 4 interval 3 days Set to 0 or delete line for single app.
 app. rate 4 apprate 1.12 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, monthly or total(average of entire run)

10. Potatoes

stored as phospot.out.out

Chemical: phosmet

PRZM environment: CAPotatoRLF_V2.txt modified Wedday, 26 March 2008 at 09:37:30

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08

Metfile: w23155.dvf modified Tuesday, 26 August 2008 at 05:15:34

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.123	0.2355	0.1236	0.08162	0.05738	0.01415
1962	1.123	0.2324	0.1258	0.0836	0.05793	0.01492
1963	1.137	0.2709	0.1359	0.09679	0.06938	0.01757
1964	1.282	0.3109	0.1691	0.1086	0.0749	0.01847
1965	1.209	0.303	0.1532	0.1066	0.07427	0.01836
1966	1.128	0.2869	0.1501	0.1042	0.07288	0.01823
1967	3.123	0.6467	0.2073	0.1272	0.09152	0.02275
1968	1.224	0.3981	0.1344	0.1024	0.07124	0.01769
1969	1.12	0.239	0.1238	0.08922	0.06175	0.01528
1970	1.165	0.2687	0.1435	0.09504	0.06755	0.01683
1971	1.434	0.4715	0.2025	0.1357	0.09226	0.0228
1972	1.374	0.3795	0.1549	0.1044	0.07887	0.01949
1973	1.272	0.358	0.1543	0.102	0.07034	0.01743
1974	1.128	0.2913	0.1542	0.1026	0.07244	0.01826
1975	1.229	0.3217	0.1396	0.1034	0.07376	0.01823
1976	1.777	0.5945	0.213	0.1284	0.08924	0.02199
1977	5.184	1.229	0.3334	0.1696	0.1193	0.02981
1978	1.127	0.2402	0.1247	0.0846	0.05968	0.01541
1979	1.121	0.2553	0.1273	0.08961	0.06553	0.0162
1980	1.121	0.2369	0.1263	0.08452	0.05953	0.01475
1981	1.349	0.2852	0.1421	0.09779	0.06785	0.0169
1982	1.379	0.304	0.1422	0.09963	0.0702	0.01748
1983	1.125	0.3281	0.1465	0.09471	0.0659	0.01668
1984	1.627	0.5646	0.1899	0.1227	0.08402	0.02074
1985	2.116	0.4381	0.165	0.1075	0.07687	0.01906
1986	1.12	0.2504	0.1229	0.08605	0.0609	0.01504

1987	1.139	0.3197	0.13	0.09293	0.06561	0.01672
1988	1.225	0.3714	0.2093	0.1427	0.09878	0.02429
1989	1.245	0.461	0.1834	0.1181	0.08136	0.02007
1990	1.131	0.314	0.1569	0.1052	0.07315	0.01804

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	5.184	1.229	0.3334	0.1696	0.1193	0.02981
0.0645161290322581	3.123	0.6467	0.213	0.1427	0.09878	0.02429
0.0967741935483871	2.116	0.5945	0.2093	0.1357	0.09226	0.0228
0.129032258064516	1.777	0.5646	0.2073	0.1284	0.09152	0.02275
0.161290322580645	1.627	0.4715	0.2025	0.1272	0.08924	0.02199
0.193548387096774	1.434	0.461	0.1899	0.1227	0.08402	0.02074
0.225806451612903	1.379	0.4381	0.1834	0.1181	0.08136	0.02007
0.258064516129032	1.374	0.3981	0.1691	0.1086	0.07887	0.01949
0.290322580645161	1.349	0.3795	0.165	0.1075	0.07687	0.01906
0.32258064516129	1.282	0.3714	0.1569	0.1066	0.0749	0.01847
0.354838709677419	1.272	0.358	0.1549	0.1052	0.07427	0.01836
0.387096774193548	1.245	0.3281	0.1543	0.1044	0.07376	0.01826
0.419354838709677	1.229	0.3217	0.1542	0.1042	0.07315	0.01823
0.451612903225806	1.225	0.3197	0.1532	0.1034	0.07288	0.01823
0.483870967741936	1.224	0.314	0.1501	0.1026	0.07244	0.01804
0.516129032258065	1.209	0.3109	0.1465	0.1024	0.07124	0.01769
0.548387096774194	1.165	0.304	0.1435	0.102	0.07034	0.01757
0.580645161290323	1.139	0.303	0.1422	0.09963	0.0702	0.01748
0.612903225806452	1.137	0.2913	0.1421	0.09779	0.06938	0.01743
0.645161290322581	1.131	0.2869	0.1396	0.09679	0.06785	0.0169
0.67741935483871	1.128	0.2852	0.1359	0.09504	0.06755	0.01683
0.709677419354839	1.128	0.2709	0.1344	0.09471	0.0659	0.01672
0.741935483870968	1.127	0.2687	0.13	0.09293	0.06561	0.01668
0.774193548387097	1.125	0.2553	0.1273	0.08961	0.06553	0.0162
0.806451612903226	1.123	0.2504	0.1263	0.08922	0.06175	0.01541
0.838709677419355	1.123	0.2402	0.1258	0.08605	0.0609	0.01528
0.870967741935484	1.121	0.239	0.1247	0.0846	0.05968	0.01504
0.903225806451613	1.121	0.2369	0.1238	0.08452	0.05953	0.01492
0.935483870967742	1.12	0.2355	0.1236	0.0836	0.05793	0.01475
0.967741935483871	1.12	0.2324	0.1229	0.08162	0.05738	0.01415

0.1	2.0821	0.59151	0.2091	0.13497	0.092186	0.022795
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Average of yearly averages:

0.0184546666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phospot.out

Metfile: w23155.dvf

PRZM scenario: CAPotatorRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol	
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol
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Vapor Pressure	vapr	4.9e-7	torr	
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Solubility	sol	20	mg/L	
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Kd	Kd	10.7	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life kdp 0 days Half-life
 Aerobic Aquatic Metabolism kbacw 0 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 81 days Halfife
 Hydrolysis: pH 7 0.5 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 1.12 kg/ha
 Application Efficiency: APPEFF 0.97 fraction
 Spray Drift DRFT 0.02 fraction of application rate applied to pond
 Application Date Date 01-04 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 10 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.12 kg/ha
 Interval 2 interval 10 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.12 kg/ha
 Interval 3 interval 10 days Set to 0 or delete line for single app.
 app. rate 3 apprate 1.12 kg/ha
 Interval 4 interval 10 days Set to 0 or delete line for single app.
 app. rate 4 apprate 1.12 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, monthly or total(average of
 entire run)

11. Peas

stored as phospea.out.out
 Chemical: phosmet
 PRZM environment: CARowCropRLF_V2.txt modified Wedday, 26 March 2008 at
 09:38:52
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 05:14:08
 Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.251	1.075	0.3466	0.1257	0.08378	0.02448
1962	4.831	2.345	0.4583	0.1605	0.1129	0.04445
1963	2.74	1.233	0.3677	0.1292	0.08923	0.02315
1964	2.161	0.7793	0.2527	0.08848	0.06128	0.01902
1965	2.338	0.9205	0.3507	0.1229	0.08194	0.02321
1966	2.262	1.112	0.3173	0.1111	0.0742	0.02414
1967	10.18	2.795	0.6965	0.247	0.1687	0.04376
1968	2.425	0.8341	0.2645	0.09265	0.06232	0.01853
1969	2.838	1.193	0.3619	0.1268	0.08658	0.02659
1970	3.874	1.134	0.3208	0.1124	0.07725	0.02432
1971	4.26	1.107	0.3361	0.1178	0.07852	0.0201
1972	3.311	0.7931	0.2528	0.0886	0.05908	0.02679
1973	2.855	1.145	0.3556	0.1246	0.08325	0.02742
1974	5.469	1.464	0.3857	0.1352	0.09014	0.02309
1975	4.694	1.305	0.3796	0.1332	0.09057	0.02341

1976	2.228	0.7898	0.2555	0.09148	0.061	0.01845
1977	2.341	0.9139	0.2815	0.09913	0.0661	0.02142
1978	3.242	1.01	0.3237	0.1583	0.1056	0.02701
1979	2.161	0.7793	0.2527	0.08956	0.06272	0.02248
1980	2.952	1.026	0.3065	0.1074	0.07274	0.01917
1981	3.602	1.078	0.31	0.1087	0.07829	0.02865
1982	5.4	1.285	0.4944	0.1733	0.1157	0.03649
1983	2.496	1.042	0.3124	0.1402	0.0935	0.02598
1984	2.209	0.9332	0.2839	0.09942	0.06628	0.02251
1985	2.254	1.086	0.3122	0.1093	0.07333	0.02103
1986	3.795	1.118	0.3177	0.1124	0.07521	0.01885
1987	4.716	1.178	0.3543	0.1261	0.08424	0.02391
1988	4.606	1.217	0.5171	0.196	0.1316	0.03431
1989	2.516	1.057	0.3094	0.1084	0.07227	0.02104
1990	2.266	1.126	0.32	0.1246	0.08315	0.02108

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	10.18	2.795	0.6965	0.247	0.1687	0.04445
0.0645161290322581	5.469	2.345	0.5171	0.196	0.1316	0.04376
0.0967741935483871	5.4	1.464	0.4944	0.1733	0.1157	0.03649
0.129032258064516	4.831	1.305	0.4583	0.1605	0.1129	0.03431
0.161290322580645	4.716	1.285	0.3857	0.1583	0.1056	0.02865
0.193548387096774	4.694	1.233	0.3796	0.1402	0.0935	0.02742
0.225806451612903	4.606	1.217	0.3677	0.1352	0.09057	0.02701
0.258064516129032	4.26	1.193	0.3619	0.1332	0.09014	0.02679
0.290322580645161	3.874	1.178	0.3556	0.1292	0.08923	0.02659
0.32258064516129	3.795	1.145	0.3543	0.1268	0.08658	0.02598
0.354838709677419	3.602	1.134	0.3507	0.1261	0.08424	0.02448
0.387096774193548	3.311	1.126	0.3466	0.1257	0.08378	0.02432
0.419354838709677	3.242	1.118	0.3361	0.1246	0.08325	0.02414
0.451612903225806	2.952	1.112	0.3237	0.1246	0.08315	0.02391
0.483870967741936	2.855	1.107	0.3208	0.1229	0.08194	0.02341
0.516129032258065	2.838	1.086	0.32	0.1178	0.07852	0.02321
0.548387096774194	2.74	1.078	0.3177	0.1124	0.07829	0.02315
0.580645161290323	2.516	1.075	0.3173	0.1124	0.07725	0.02309
0.612903225806452	2.496	1.057	0.3124	0.1111	0.07521	0.02251
0.645161290322581	2.425	1.042	0.3122	0.1093	0.0742	0.02248
0.67741935483871	2.341	1.026	0.31	0.1087	0.07333	0.02142
0.709677419354839	2.338	1.01	0.3094	0.1084	0.07274	0.02108
0.741935483870968	2.266	0.9332	0.3065	0.1074	0.07227	0.02104
0.774193548387097	2.262	0.9205	0.2839	0.09942	0.06628	0.02103
0.806451612903226	2.254	0.9139	0.2815	0.09913	0.0661	0.0201
0.838709677419355	2.251	0.8341	0.2645	0.09265	0.06272	0.01917
0.870967741935484	2.228	0.7931	0.2555	0.09148	0.06232	0.01902
0.903225806451613	2.209	0.7898	0.2528	0.08956	0.06128	0.01885
0.935483870967742	2.161	0.7793	0.2527	0.0886	0.061	0.01853
0.967741935483871	2.161	0.7793	0.2527	0.08848	0.05908	0.01845

0.1	5.3431	1.4481	0.49079	0.17202	0.11542	0.036272
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Average of yearly averages:

0.0251613333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phospea.out

Metfile: w23234.dvf
 PRZM scenario: CARowCropRLF_V2.txt
 EXAMS environment file: pond298.exv
 Chemical Name: phosmet
 Description Variable Name Value Units Comments
 Molecular weight mwt 317.3 g/mol
 Henry's Law Const. henry 1.0e-8 atm-m³/mol
 Vapor Pressure vapr 4.9e-7 torr
 Solubility sol 20 mg/L
 Kd Kd 10.7 mg/L
 Koc Koc mg/L
 Photolysis half-life kdp 0 days Half-life
 Aerobic Aquatic Metabolism kbacw 0 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 81 days Halfife
 Hydrolysis: pH 7 0.5 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 1.12 kg/ha
 Application Efficiency: APPEFF 0.97 fraction
 Spray Drift DRFT 0.038 fraction of application rate applied to pond
 Application Date Date 01-04 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 3 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.12 kg/ha
 Interval 2 interval 3 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.12 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, monthly or total(average of entire run)

12. Ornamentals

stored as phosorn.out.out
 Chemical: phosmet
 PRZM environment: CANurserySTD.txt modified Tuesday, 26 August 2008 at 05:16:36
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:08
 Metfile: w23188.dvf modified Tuesday, 26 August 2008 at 05:15:38
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	18.26	3.836	0.774	0.367	0.2469	0.06178
1962	36.68	8.949	1.916	0.817	0.5472	0.135
1963	5.969	1.539	0.3066	0.2021	0.1454	0.03845
1964	12.71	2.683	0.6929	0.2874	0.1935	0.04803
1965	2.953	0.835	0.2708	0.09818	0.08561	0.03355
1966	9.425	1.978	0.6496	0.3249	0.218	0.05748
1967	45.25	10.04	2.045	0.811	0.5449	0.1374
1968	11.33	2.366	0.4656	0.1653	0.1728	0.0429

1969	64.33	13.45	2.993	1.297	0.8672	0.214
1970	17.62	3.698	0.9749	0.4352	0.31	0.07778
1971	12.77	2.675	0.5313	0.2783	0.1891	0.05128
1972	2.315	0.835	0.2708	0.0948	0.0632	0.01932
1973	4.368	1.266	0.467	0.1899	0.141	0.03506
1974	19.3	6.498	1.565	0.5593	0.3861	0.09733
1975	9.172	1.92	0.4193	0.169	0.1729	0.04564
1976	20.04	5.634	1.42	0.5932	0.4039	0.1019
1977	18.11	4.425	1.022	0.3635	0.2427	0.07853
1978	40.67	10	2.989	1.086	0.7397	0.1827
1979	37.9	7.86	1.677	1.091	0.7384	0.1823
1980	23.29	6.605	2	1.001	0.6808	0.1676
1981	8.729	1.982	0.7104	0.3949	0.3101	0.0775
1982	9.843	2.461	0.6561	0.3326	0.3192	0.07997
1983	10.47	2.182	0.8825	0.4852	0.3535	0.08732
1984	2.315	0.835	0.2722	0.09531	0.06354	0.01826
1985	2.315	0.835	0.2708	0.099	0.06602	0.0237
1986	18.32	3.81	1.001	0.4487	0.3295	0.08747
1987	16.48	3.958	0.8936	0.3592	0.2404	0.06362
1988	17.13	3.591	1.181	0.5193	0.3482	0.1053
1989	2.315	0.835	0.2708	0.09992	0.07592	0.01978
1990	13.42	3.014	0.8965	0.3629	0.2426	0.06026

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	64.33	13.45	2.993	1.297	0.8672	0.214
0.0645161290322581	45.25	10.04	2.989	1.091	0.7397	0.1827
0.0967741935483871	40.67	10	2.045	1.086	0.7384	0.1823
0.129032258064516	37.9	8.949	2	1.001	0.6808	0.1676
0.161290322580645	36.68	7.86	1.916	0.817	0.5472	0.1374
0.193548387096774	23.29	6.605	1.677	0.811	0.5449	0.135
0.225806451612903	20.04	6.498	1.565	0.5932	0.4039	0.1053
0.258064516129032	19.3	5.634	1.42	0.5593	0.3861	0.1019
0.290322580645161	18.32	4.425	1.181	0.5193	0.3535	0.09733
0.32258064516129	18.26	3.958	1.022	0.4852	0.3482	0.08747
0.354838709677419	18.11	3.836	1.001	0.4487	0.3295	0.08732
0.387096774193548	17.62	3.81	0.9749	0.4352	0.3192	0.07997
0.419354838709677	17.13	3.698	0.8965	0.3949	0.3101	0.07853
0.451612903225806	16.48	3.591	0.8936	0.367	0.31	0.07778
0.483870967741936	13.42	3.014	0.8825	0.3635	0.2469	0.0775
0.516129032258065	12.77	2.683	0.774	0.3629	0.2427	0.06362
0.548387096774194	12.71	2.675	0.7104	0.3592	0.2426	0.06178
0.580645161290323	11.33	2.461	0.6929	0.3326	0.2404	0.06026
0.612903225806452	10.47	2.366	0.6561	0.3249	0.218	0.05748
0.645161290322581	9.843	2.182	0.6496	0.2874	0.1935	0.05128
0.67741935483871	9.425	1.982	0.5313	0.2783	0.1891	0.04803
0.709677419354839	9.172	1.978	0.467	0.2021	0.1729	0.04564
0.741935483870968	8.729	1.92	0.4656	0.1899	0.1728	0.0429
0.774193548387097	5.969	1.539	0.4193	0.169	0.1454	0.03845
0.806451612903226	4.368	1.266	0.3066	0.1653	0.141	0.03506
0.838709677419355	2.953	0.835	0.2722	0.09992	0.08561	0.03355
0.870967741935484	2.315	0.835	0.2708	0.099	0.07592	0.0237
0.903225806451613	2.315	0.835	0.2708	0.09818	0.06602	0.01978
0.935483870967742	2.315	0.835	0.2708	0.09531	0.06354	0.01932
0.967741935483871	2.315	0.835	0.2708	0.0948	0.0632	0.01826
0.1	40.393	9.8949	2.0405	1.0775	0.73264	0.18083

Average of yearly averages:

0.0810403333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: phosorn.out

Metfile: w23188.dvf

PRZM scenario: CANurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: phosmet

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	317.3	g/mol		
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Henry's Law Const.	henry	1.0e-8		atm-m ³ /mol	
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Vapor Pressure	vapr	4.9e-7	torr		
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Solubility	sol	20	mg/L		
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Kd	Kd	10.7	mg/L		
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Koc	Koc		mg/L		
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Photolysis half-life	kdp	0	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife	
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Aerobic Soil Metabolism	asm	81	days	Halfife	
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Hydrolysis: pH 7	0.5	days	Half-life		
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Method:	CAM	2	integer	See PRZM manual	
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Incorporation Depth:	DEPI	0	cm		
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Application Rate:	TAPP	2.28	kg/ha		
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Application Efficiency:	APPEFF	0.98	fraction		
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Spray Drift	DRFT	0.02	fraction of application rate applied to pond		
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Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1	interval	3	days	Set to 0 or delete line for single app.	
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app. rate 1	apprate	2.28	kg/ha		
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Interval 2	interval	3	days	Set to 0 or delete line for single app.	
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app. rate 2	apprate	2.28	kg/ha		
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Record 17: FILTRA

IPSCND	1
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UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC	0.5
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Flag for Index Res. Run	IR	EPA Pond
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Flag for runoff calc.	RUNOFF	none, monthly or total(average of entire run)
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