

APPENDIX F: PRZM/EXAMS OUTPUT FILES

Modeling Scenario *(Uses Represented)*

Alfalfa *(Alfalfa, Clover, Timothy)*

stored as alfalfa.out

Chemical: methidathion

PRZM environment:

CAalfalfa_WirrigOP.txt

modified Thursday, 14 June 2007 at 10:20:44

EXAMS environment: pond298.exv

modified Thursday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.813	3.627	3.009	1.971	1.528	0.6069
1962	2.814	2.688	2.382	1.622	1.42	0.782
1963	2.878	2.727	2.426	1.723	1.565	0.8219
1964	2.826	2.706	2.568	1.947	1.811	0.7288
1965	2.613	2.497	2.226	1.55	1.297	0.6007
1966	3.486	3.312	2.723	1.608	1.248	0.6629
1967	2.736	2.613	2.249	1.502	1.157	0.6742
1968	3.849	3.651	3.04	2.513	2.1	0.8566
1969	2.687	2.532	2.289	1.564	1.242	0.6448
1970	4.243	4.013	3.488	2.155	1.66	0.9483
1971	2.808	2.685	2.352	1.618	1.262	0.7684
1972	3.347	3.201	2.671	1.918	1.737	0.8177
1973	2.805	2.688	2.365	1.74	1.645	0.7328
1974	3.224	3.025	2.475	1.915	1.715	0.7679
1975	2.613	2.469	2.257	1.738	1.582	0.7167
1976	5.305	4.979	4.043	2.971	2.716	1.117
1977	3.329	3.157	2.327	1.57	1.215	0.64
1978	5.148	4.781	4.16	3.101	2.516	1.183
1979	2.663	2.503	2.246	1.499	1.209	0.5395
1980	2.632	2.517	2.248	1.504	1.154	0.4984
1981	2.8	2.665	2.366	1.569	1.268	0.6742
1982	3.505	3.263	2.968	2.456	2.303	0.9009
1983	2.629	2.467	2.196	1.688	1.561	0.7047
1984	2.665	2.54	2.275	1.481	1.286	0.5491
1985	2.691	2.575	2.409	1.946	1.777	0.7178
1986	4.652	4.414	2.528	1.682	1.444	0.6859
1987	3.808	3.652	3.105	2.167	1.73	0.891
1988	2.77	2.65	2.336	1.545	1.181	0.4957
1989	2.677	2.558	2.286	2.085	1.837	0.7555
1990	2.807	2.67	2.349	1.65	1.314	0.5511

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	5.305	4.979	4.16	3.101	2.716	1.183

0.064516	5.148	4.781	4.043	2.971	2.516	1.117
0.096774	4.652	4.414	3.488	2.513	2.303	0.9483
0.129032	4.243	4.013	3.105	2.456	2.1	0.9009
0.16129	3.849	3.652	3.04	2.167	1.837	0.891
0.193548	3.813	3.651	3.009	2.155	1.811	0.8566
0.225806	3.808	3.627	2.968	2.085	1.777	0.8219
0.258065	3.505	3.312	2.723	1.971	1.737	0.8177
0.290323	3.486	3.263	2.671	1.947	1.73	0.782
0.322581	3.347	3.201	2.568	1.946	1.715	0.7684
0.354839	3.329	3.157	2.528	1.918	1.66	0.7679
0.387097	3.224	3.025	2.475	1.915	1.645	0.7555
0.419355	2.878	2.727	2.426	1.74	1.582	0.7328
0.451613	2.826	2.706	2.409	1.738	1.565	0.7288
0.483871	2.814	2.688	2.382	1.723	1.561	0.7178
0.516129	2.808	2.688	2.366	1.688	1.528	0.7167
0.548387	2.807	2.685	2.365	1.682	1.444	0.7047
0.580645	2.805	2.67	2.352	1.65	1.42	0.6859
0.612903	2.8	2.665	2.349	1.622	1.314	0.6742
0.645161	2.77	2.65	2.336	1.618	1.297	0.6742
0.677419	2.736	2.613	2.327	1.608	1.286	0.6629
0.709677	2.691	2.575	2.289	1.57	1.268	0.6448
0.741935	2.687	2.558	2.286	1.569	1.262	0.64
0.774194	2.677	2.54	2.275	1.564	1.248	0.6069
0.806452	2.665	2.532	2.257	1.55	1.242	0.6007
0.83871	2.663	2.517	2.249	1.545	1.215	0.5511
0.870968	2.632	2.503	2.248	1.504	1.209	0.5491
0.903226	2.629	2.497	2.246	1.502	1.181	0.5395
0.935484	2.613	2.469	2.226	1.499	1.157	0.4984
0.967742	2.613	2.467	2.196	1.481	1.154	0.4957

0.1	4.6111	4.3739	3.4497	2.5073	2.2827	0.94356
Average of yearly averages:						0.73448

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: alfalfa

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life

Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life
Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	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	0.02	fraction of application rate applied to pond	
Application Date	Date	15-8	dd/mm or dd/mmm or dd-mm or dd-mmm	Set to 0 or delete line for single app.
Interval 1	interval	5	days	
app. rate 1	apprate	1.12	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	none, monthly or total(average of entire run)	

Almond (Almond, Walnut)

stored as almond.out

Chemical: methidathion

PRZM environment:

CAalmond_WirrigSTD.txt

modified Wednesday, 13 June 2007 at
11:17:16

modified Thursday, 29 August 2002 at
15:33:30

EXAMS environment: pond298.exv

Metfile: w23232.dvf

modified Wednesday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	9.634	9.309	8.238	6.166	5.026	1.576
1962	10.63	10.1	8.471	6.414	5.548	1.814
1963	28.08	26.56	21.41	14.14	11.21	3.66
1964	46.52	44.71	36.24	24.06	18.75	5.852
1965	6.639	6.3	5.175	3.578	2.835	0.8914
1966	8.252	7.834	6.362	5.126	4.183	1.309
1967	49.42	47.52	39.95	26.74	20.96	6.567
1968	19.64	18.64	15.87	11.67	9.272	2.872
1969	33	31.79	27.8	19.46	15.34	4.735
1970	38.07	36.68	30	19.98	15.66	4.811
1971	6.579	6.242	5.12	3.541	2.81	0.8802
1972	6.417	6.092	5.003	3.867	3.105	0.9597
1973	48.27	46.36	41.36	28.28	22.18	6.719
1974	9.213	8.757	7.613	5.327	4.236	1.327
1975	6.432	6.102	5	3.695	2.973	0.9258
1976	6.4	6.062	4.942	3.366	2.648	0.8049
1977	6.401	6.07	4.966	3.388	2.668	0.8186
1978	50.12	48.3	40.2	26.84	21.03	6.425
1979	46.57	44.89	36.48	25.28	19.92	6.124
1980	46.38	44.73	37.59	25.2	19.79	6.065
1981	18.59	17.91	15.14	10.55	8.63	2.74
1982	6.502	6.173	5.099	3.865	3.167	1.01
1983	9.652	9.173	7.876	5.982	4.825	1.514
1984	6.422	6.08	4.95	3.37	2.641	0.7993
1985	6.405	6.078	4.983	4.076	3.344	1.048
1986	7.34	7.096	5.791	4.83	3.917	1.224
1987	6.421	6.086	4.974	4.069	3.318	1.032
1988	12.13	11.48	9.362	6.496	5.124	1.562
1989	6.434	6.102	4.996	3.45	2.726	0.833
1990	95.25	91.85	74.85	49.89	38.82	11.7

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	95.25	91.85	74.85	49.89	38.82	11.7
0.064516	50.12	48.3	41.36	28.28	22.18	6.719
0.096774	49.42	47.52	40.2	26.84	21.03	6.567
0.129032	48.27	46.36	39.95	26.74	20.96	6.425
0.16129	46.57	44.89	37.59	25.28	19.92	6.124

0.193548	46.52	44.73	36.48	25.2	19.79	6.065
0.225806	46.38	44.71	36.24	24.06	18.75	5.852
0.258065	38.07	36.68	30	19.98	15.66	4.811
0.290323	33	31.79	27.8	19.46	15.34	4.735
0.322581	28.08	26.56	21.41	14.14	11.21	3.66
0.354839	19.64	18.64	15.87	11.67	9.272	2.872
0.387097	18.59	17.91	15.14	10.55	8.63	2.74
0.419355	12.13	11.48	9.362	6.496	5.548	1.814
0.451613	10.63	10.1	8.471	6.414	5.124	1.576
0.483871	9.652	9.309	8.238	6.166	5.026	1.562
0.516129	9.634	9.173	7.876	5.982	4.825	1.514
0.548387	9.213	8.757	7.613	5.327	4.236	1.327
0.580645	8.252	7.834	6.362	5.126	4.183	1.309
0.612903	7.34	7.096	5.791	4.83	3.917	1.224
0.645161	6.639	6.3	5.175	4.076	3.344	1.048
0.677419	6.579	6.242	5.12	4.069	3.318	1.032
0.709677	6.502	6.173	5.099	3.867	3.167	1.01
0.741935	6.434	6.102	5.003	3.865	3.105	0.9597
0.774194	6.432	6.102	5	3.695	2.973	0.9258
0.806452	6.422	6.092	4.996	3.578	2.835	0.8914
0.83871	6.421	6.086	4.983	3.541	2.81	0.8802
0.870968	6.417	6.08	4.974	3.45	2.726	0.833
0.903226	6.405	6.078	4.966	3.388	2.668	0.8186
0.935484	6.401	6.07	4.95	3.37	2.648	0.8049
0.967742	6.4	6.062	4.942	3.366	2.641	0.7993
0.1	49.305	47.404	40.175	26.83	21.023	6.5528
Average of yearly averages:						2.953297

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: almond

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic	kbacs	0	days	Half-life

Metabolism

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	2.24	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.02	fraction of application rate applied to pond	
Application Date	Date	1-Jul	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	2	days	Set to 0 or delete line for single app.
app. rate 1	apprate	2.24	kg/ha	
Interval 2	interval	2	days	Set to 0 or delete line for single app.
app. rate 2	apprate	2.24	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	none, monthly or total(average of entire run)	

Citrus (*Calemondin, Citron, Citrus, Grapefruit, Kumquat, Lemon, Lime, Orange, Pummelo, Tangelo, Tangerine*)

stored as Citrus.out

Chemical: methidathion

PRZM environment:

CACitrus_WirrigSTD.txt

modified Tuesday, 29 May 2007 at 12:41:26

modified Thursday, 29 August 2002 at

15:33:30

EXAMS environment: pond298.exv

Metfile: w23155.dvf

modified Wednesday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.022	1.899	1.476	1.067	0.9902	0.2939
1962	4.81	4.553	4.051	2.781	2.146	0.9647
1963	18.59	17.49	13.77	9.1	7.117	2.433
1964	2.078	1.937	1.479	1.099	1.003	0.3895
1965	3.068	2.553	2.042	1.446	1.334	0.5377
1966	2.851	2.713	2.232	1.671	1.402	0.8806
1967	2.643	2.489	1.983	1.286	1.265	0.6964
1968	2.014	1.87	1.535	1.057	1.013	0.4613
1969	2.039	1.881	1.47	1.062	0.9907	0.3589
1970	27.34	25.69	20.4	10.67	7.484	2.235
1971	10.16	9.705	8.111	5.799	4.697	1.82
1972	2.22	2.084	1.636	1.447	1.213	0.574
1973	2.012	1.871	1.47	1.035	0.9718	0.4582
1974	23.11	21.5	16.23	10.05	7.962	2.203
1975	2.871	2.78	2.446	1.906	1.608	0.8529
1976	2.02	1.868	1.433	1.004	0.9348	0.4935
1977	12.83	11.66	8.11	4.894	3.789	1.259
1978	6.786	6.462	5.284	3.888	3.512	1.416
1979	2.001	1.842	1.421	0.9664	0.9152	0.3496
1980	2.039	1.887	1.435	0.9643	0.9016	0.339
1981	10.46	9.788	7.541	4.727	3.674	1.338
1982	1.989	1.845	1.418	0.9706	0.9693	0.5771
1983	10.4	9.48	6.674	4.109	3.228	1.221
1984	1.961	1.846	1.457	0.9667	0.9286	0.475
1985	5.357	5.063	4.056	2.621	2.145	0.7009
1986	2.024	1.89	1.468	0.9977	0.9443	0.5327
1987	16.01	15.11	12.03	7.865	5.612	2.14
1988	3.837	3.689	3.162	2.353	1.951	0.9557
1989	2.258	2.117	1.646	1.166	1.088	0.5115
1990	2.012	1.866	1.428	0.9646	0.9046	0.3343

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	27.34	25.69	20.4	10.67	7.962	2.433
0.064516	23.11	21.5	16.23	10.05	7.484	2.235
0.096774	18.59	17.49	13.77	9.1	7.117	2.203
0.129032	16.01	15.11	12.03	7.865	5.612	2.14
0.16129	12.83	11.66	8.111	5.799	4.697	1.82

0.193548	10.46	9.788	8.11	4.894	3.789	1.416
0.225806	10.4	9.705	7.541	4.727	3.674	1.338
0.258065	10.16	9.48	6.674	4.109	3.512	1.259
0.290323	6.786	6.462	5.284	3.888	3.228	1.221
0.322581	5.357	5.063	4.056	2.781	2.146	0.9647
0.354839	4.81	4.553	4.051	2.621	2.145	0.9557
0.387097	3.837	3.689	3.162	2.353	1.951	0.8806
0.419355	3.068	2.78	2.446	1.906	1.608	0.8529
0.451613	2.871	2.713	2.232	1.671	1.402	0.7009
0.483871	2.851	2.553	2.042	1.447	1.334	0.6964
0.516129	2.643	2.489	1.983	1.446	1.265	0.5771
0.548387	2.258	2.117	1.646	1.286	1.213	0.574
0.580645	2.22	2.084	1.636	1.166	1.088	0.5377
0.612903	2.078	1.937	1.535	1.099	1.013	0.5327
0.645161	2.039	1.899	1.479	1.067	1.003	0.5115
0.677419	2.039	1.89	1.476	1.062	0.9907	0.4935
0.709677	2.024	1.887	1.47	1.057	0.9902	0.475
0.741935	2.022	1.881	1.47	1.035	0.9718	0.4613
0.774194	2.02	1.871	1.468	1.004	0.9693	0.4582
0.806452	2.014	1.87	1.457	0.9977	0.9443	0.3895
0.83871	2.012	1.868	1.435	0.9706	0.9348	0.3589
0.870968	2.012	1.866	1.433	0.9667	0.9286	0.3496
0.903226	2.001	1.846	1.428	0.9664	0.9152	0.339
0.935484	1.989	1.845	1.421	0.9646	0.9046	0.3343
0.967742	1.961	1.842	1.418	0.9643	0.9016	0.2939
0.1	18.332	17.252	13.596	8.9765	6.9665	2.1967
Average of yearly averages:						0.926747

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Citrus

Metfile: w23155.dvf

PRZM scenario: CAcitrus_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

		Variable			
Description	Name	Value	Units	Comments	
Molecular weight	mwt	302	g/mol		
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol		
Vapor Pressure	vapr	2.48E-06	torr		
Solubility	sol	2500	mg/L		
Kd	Kd		mg/L		
Koc	Koc	364	mg/L		
Photolysis half-life	kdp	10	days	Half-life	
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life	
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life	

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	5.6	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.006	fraction of application rate applied to pond	
Application Date	Date	15-8	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	45	days	Set to 0 or delete line for single app.
app. rate 1	apprate	5.6	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	none, monthly or total(average of entire run)	

Citrus (Mango)

stored as Mango_new.out

Chemical: methidathion

PRZM environment:

CAcitrus_WirrigSTD.txt

modified Tuesday, 29 May 2007 at 12:41:26

modified Thursday, 29 August 2002 at
15:33:30

EXAMS environment: pond298.exv

Metfile: w23155.dvf

modified Wednesday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.08392	0.07782	0.05932	0.03525	0.02662	0.007085
1962	0.1196	0.1131	0.1007	0.06906	0.05327	0.02326
1963	0.464	0.4365	0.3435	0.227	0.1775	0.06162
1964	0.08657	0.08217	0.06225	0.03674	0.02767	0.009675
1965	0.1015	0.09448	0.07129	0.04261	0.03913	0.01515
1966	0.08513	0.07928	0.06065	0.04194	0.03418	0.0222
1967	0.1019	0.09352	0.06737	0.03876	0.0347	0.0182
1968	0.08473	0.07825	0.05775	0.0357	0.02786	0.01129
1969	0.08415	0.0771	0.05847	0.03367	0.02557	0.008174
1970	0.6805	0.6394	0.5077	0.2636	0.1812	0.05527
1971	0.2527	0.2414	0.2017	0.1442	0.1167	0.04471
1972	0.08596	0.07951	0.05899	0.04004	0.03544	0.01433
1973	0.1016	0.09382	0.06897	0.04067	0.03083	0.01226
1974	0.5194	0.4833	0.3652	0.2268	0.1804	0.05171
1975	0.08601	0.07903	0.05675	0.04423	0.03731	0.0195
1976	0.08804	0.08285	0.06358	0.03751	0.02821	0.01261
1977	0.2018	0.1901	0.06437	0.03739	0.02798	0.01267
1978	0.2553	0.2426	0.1973	0.14	0.1269	0.04815
1979	0.08423	0.07794	0.05568	0.03286	0.02493	0.008367
1980	0.08417	0.07833	0.05771	0.03346	0.02503	0.008166
1981	0.2212	0.207	0.1599	0.1007	0.08432	0.03124
1982	0.08482	0.07834	0.05816	0.03428	0.026	0.01322
1983	0.08511	0.07811	0.05629	0.0326	0.02619	0.01292
1984	0.08746	0.08019	0.0576	0.03327	0.02516	0.01074
1985	0.1185	0.1121	0.08988	0.05773	0.04498	0.01657
1986	0.08478	0.07887	0.06021	0.03661	0.02782	0.01309
1987	0.3963	0.3741	0.2981	0.1949	0.1364	0.05426
1988	0.09535	0.0917	0.07865	0.05857	0.04859	0.02413
1989	0.08835	0.08315	0.06737	0.04462	0.03417	0.01377
1990	0.08422	0.07774	0.05748	0.03363	0.02528	0.008319

Sorted
results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	0.6805	0.6394	0.5077	0.2636	0.1812	0.06162
0.064516	0.5194	0.4833	0.3652	0.227	0.1804	0.05527
0.096774	0.464	0.4365	0.3435	0.2268	0.1775	0.05426
0.129032	0.3963	0.3741	0.2981	0.1949	0.1364	0.05171
0.16129	0.2553	0.2426	0.2017	0.1442	0.1269	0.04815

0.193548	0.2527	0.2414	0.1973	0.14	0.1167	0.04471
0.225806	0.2212	0.207	0.1599	0.1007	0.08432	0.03124
0.258065	0.2018	0.1901	0.1007	0.06906	0.05327	0.02413
0.290323	0.1196	0.1131	0.08988	0.05857	0.04859	0.02326
0.322581	0.1185	0.1121	0.07865	0.05773	0.04498	0.0222
0.354839	0.1019	0.09448	0.07129	0.04462	0.03913	0.0195
0.387097	0.1016	0.09382	0.06897	0.04423	0.03731	0.0182
0.419355	0.1015	0.09352	0.06737	0.04261	0.03544	0.01657
0.451613	0.09535	0.0917	0.06737	0.04194	0.0347	0.01515
0.483871	0.08835	0.08315	0.06437	0.04067	0.03418	0.01433
0.516129	0.08804	0.08285	0.06358	0.04004	0.03417	0.01377
0.548387	0.08746	0.08217	0.06225	0.03876	0.03083	0.01322
0.580645	0.08657	0.08019	0.06065	0.03751	0.02821	0.01309
0.612903	0.08601	0.07951	0.06021	0.03739	0.02798	0.01292
0.645161	0.08596	0.07928	0.05932	0.03674	0.02786	0.01267
0.677419	0.08513	0.07903	0.05899	0.03661	0.02782	0.01261
0.709677	0.08511	0.07887	0.05847	0.0357	0.02767	0.01226
0.741935	0.08482	0.07834	0.05816	0.03525	0.02662	0.01129
0.774194	0.08478	0.07833	0.05775	0.03428	0.02619	0.01074
0.806452	0.08473	0.07825	0.05771	0.03367	0.026	0.009675
0.83871	0.08423	0.07811	0.0576	0.03363	0.02557	0.008367
0.870968	0.08422	0.07794	0.05748	0.03346	0.02528	0.008319
0.903226	0.08417	0.07782	0.05675	0.03327	0.02516	0.008174
0.935484	0.08415	0.07774	0.05629	0.03286	0.02503	0.008166
0.967742	0.08392	0.0771	0.05568	0.0326	0.02493	0.007085
0.1	0.45723	0.43026	0.33896	0.22361	0.17339	0.054005
					Average of yearly averages:	0.022089

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Mango_new

Metfile:

w23155.dvf

PRZM scenario:

CAcitrus_WirrigSTD.txt

EXAMS environment file:

pond298.exv

Chemical Name:

methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic	kbacs	0	days	Half-life

Metabolism

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	0.28	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.006	fraction of application rate applied to pond	
Application Date	Date	9-Jan	dd/mm or dd/mm or dd-mm or dd-mmm	
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	none, monthly or total(average of entire run)	

Corn (Sunflower)

stored as Corn.out

Chemical: methidathion

PRZM environment: CAcornOP.txt

modified Thursday, 14 June 2007 at 10:21:10

modified Thursday, 29 August 2002 at

EXAMS environment: pond298.exv

15:33:30

Metfile: w23232.dvf

modified Wednesday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	10.54	10.15	8.921	6.073	4.744	1.47
1962	11	10.46	8.846	5.994	4.805	1.565
1963	23.19	21.93	17.8	11.83	9.23	2.862
1964	20.97	19.87	16.29	10.88	8.49	2.603
1965	2.231	2.12	1.753	1.259	1.03	0.3388
1966	4.791	4.586	3.775	2.525	2.029	0.645
1967	42.47	40.26	35.3	23.83	18.67	5.722
1968	10.58	10.05	8.087	6.297	5.086	1.616
1969	18.02	17.34	15.32	10.93	8.709	2.712
1970	16.91	16.07	14.14	9.925	7.787	2.412
1971	1.578	1.5	1.258	0.9357	0.7865	0.2609
1972	3.407	3.223	2.59	1.808	1.487	0.479
1973	13.79	13.21	11.36	8.312	6.699	2.07
1974	5.106	4.844	4.305	3.067	2.47	0.785
1975	3.135	2.995	2.713	1.99	1.656	0.5433
1976	1.429	1.356	1.115	0.8481	0.7157	0.2301
1977	1.419	1.347	1.108	0.8251	0.7019	0.2284
1978	16.17	15.31	12.92	10.22	8.143	2.537
1979	15.4	14.78	12.43	8.856	7.13	2.228
1980	9.864	9.402	8.35	6.658	5.501	1.75
1981	18.07	17.32	14.61	10.14	7.95	2.443
1982	3.901	3.699	3.056	2.559	2.143	0.7198
1983	12.25	11.71	9.976	6.838	5.388	1.675
1984	1.474	1.399	1.158	0.9167	0.7615	0.2426
1985	4.165	3.938	3.159	2.127	1.776	0.5843
1986	7.275	6.983	5.85	3.988	3.205	1.015
1987	3.289	3.112	2.863	2.105	1.738	0.5624
1988	7.376	6.982	5.985	4.078	3.203	0.9837
1989	1.505	1.43	1.181	1.096	0.9465	0.312
1990	13.48	12.76	10.8	7.895	6.274	1.918

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	42.47	40.26	35.3	23.83	18.67	5.722
0.064516	23.19	21.93	17.8	11.83	9.23	2.862
0.096774	20.97	19.87	16.29	10.93	8.709	2.712
0.129032	18.07	17.34	15.32	10.88	8.49	2.603
0.16129	18.02	17.32	14.61	10.22	8.143	2.537
0.193548	16.91	16.07	14.14	10.14	7.95	2.443

0.225806	16.17	15.31	12.92	9.925	7.787	2.412
0.258065	15.4	14.78	12.43	8.856	7.13	2.228
0.290323	13.79	13.21	11.36	8.312	6.699	2.07
0.322581	13.48	12.76	10.8	7.895	6.274	1.918
0.354839	12.25	11.71	9.976	6.838	5.501	1.75
0.387097	11	10.46	8.921	6.658	5.388	1.675
0.419355	10.58	10.15	8.846	6.297	5.086	1.616
0.451613	10.54	10.05	8.35	6.073	4.805	1.565
0.483871	9.864	9.402	8.087	5.994	4.744	1.47
0.516129	7.376	6.983	5.985	4.078	3.205	1.015
0.548387	7.275	6.982	5.85	3.988	3.203	0.9837
0.580645	5.106	4.844	4.305	3.067	2.47	0.785
0.612903	4.791	4.586	3.775	2.559	2.143	0.7198
0.645161	4.165	3.938	3.159	2.525	2.029	0.645
0.677419	3.901	3.699	3.056	2.127	1.776	0.5843
0.709677	3.407	3.223	2.863	2.105	1.738	0.5624
0.741935	3.289	3.112	2.713	1.99	1.656	0.5433
0.774194	3.135	2.995	2.59	1.808	1.487	0.479
0.806452	2.231	2.12	1.753	1.259	1.03	0.3388
0.83871	1.578	1.5	1.258	1.096	0.9465	0.312
0.870968	1.505	1.43	1.181	0.9357	0.7865	0.2609
0.903226	1.474	1.399	1.158	0.9167	0.7615	0.2426
0.935484	1.429	1.356	1.115	0.8481	0.7157	0.2301
0.967742	1.419	1.347	1.108	0.8251	0.7019	0.2284
0.1	20.68	19.617	16.193	10.925	8.6871	2.7011
Average of yearly averages:						1.450443

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Corn

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.02	fraction of application rate applied to pond	
Application Date	Date	1-Jul	dd/mm or dd/mmm or dd-mm or dd-mmm	
			Set to 0 or delete line for single app.	
Interval 1	interval	7	days	
app. rate 1	apprate	0.56	kg/ha	
			Set to 0 or delete line for single app.	
Interval 2	interval	7	days	
app. rate 2	apprate	0.56	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	none, monthly or total(average of entire run)	

Cotton

stored as Cotton.out

Chemical: methidathion

PRZM environment:

CAcotton_WirrigSTD.txt

modified Tuesday, 29 May 2007 at 12:42:12

EXAMS environment: pond298.exv

modified Thursday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	10.76	10.23	8.792	5.511	3.906	1.709
1962	7.827	7.442	6.12	4.053	3.082	1.926
1963	8.013	7.603	6.493	4.305	3.435	2.135
1964	8.643	8.089	6.771	4.708	3.595	1.993
1965	7.391	6.869	5.799	3.869	2.956	1.646
1966	7.43	7.03	5.944	3.791	2.868	1.515
1967	7.383	6.816	5.781	3.743	2.806	1.588
1968	11.27	10.68	8.94	7.761	6.141	2.532
1969	7.489	6.941	5.864	3.877	2.945	1.494
1970	13.13	12.41	10.47	5.807	4.091	2.27
1971	7.38	6.97	5.887	3.958	3.213	1.902
1972	7.982	7.62	6.462	4.523	3.499	1.997
1973	7.803	7.233	5.888	3.872	3.105	1.873
1974	9.164	8.586	6.862	5.113	4.1	2.03
1975	8.101	7.712	6.328	4.176	3.596	1.978
1976	11.05	10.38	8.179	5.524	5.143	2.709
1977	10.65	10.07	6.893	3.861	2.916	1.604
1978	12.12	11.26	9.349	5.949	5.686	3.034
1979	8.23	7.778	6.453	4.224	3.171	1.475
1980	7.361	6.805	5.763	3.712	2.8	1.099
1981	7.659	7.207	5.861	3.801	3.006	1.803
1982	11.29	10.49	8.511	6.432	5.426	2.42
1983	8.172	7.597	6.202	4.015	3.348	1.741
1984	7.16	6.736	5.562	3.54	2.628	1.355
1985	7.301	6.885	5.558	3.819	3.348	1.785
1986	17.79	16.85	9.145	3.863	3.224	1.762
1987	13.81	13.23	11.26	7.746	6.126	2.717
1988	7.344	6.888	5.559	3.614	2.712	1.168
1989	7.317	6.884	5.856	3.831	3.805	1.905
1990	7.446	7.039	5.718	3.697	2.892	1.358

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	17.79	16.85	11.26	7.761	6.141	3.034
0.064516	13.81	13.23	10.47	7.746	6.126	2.717
0.096774	13.13	12.41	9.349	6.432	5.686	2.709
0.129032	12.12	11.26	9.145	5.949	5.426	2.532
0.16129	11.29	10.68	8.94	5.807	5.143	2.42
0.193548	11.27	10.49	8.792	5.524	4.1	2.27

0.225806	11.05	10.38	8.511	5.511	4.091	2.135
0.258065	10.76	10.23	8.179	5.113	3.906	2.03
0.290323	10.65	10.07	6.893	4.708	3.805	1.997
0.322581	9.164	8.586	6.862	4.523	3.596	1.993
0.354839	8.643	8.089	6.771	4.305	3.595	1.978
0.387097	8.23	7.778	6.493	4.224	3.499	1.926
0.419355	8.172	7.712	6.462	4.176	3.435	1.905
0.451613	8.101	7.62	6.453	4.053	3.348	1.902
0.483871	8.013	7.603	6.328	4.015	3.348	1.873
0.516129	7.982	7.597	6.202	3.958	3.224	1.803
0.548387	7.827	7.442	6.12	3.877	3.213	1.785
0.580645	7.803	7.233	5.944	3.872	3.171	1.762
0.612903	7.659	7.207	5.888	3.869	3.105	1.741
0.645161	7.489	7.039	5.887	3.863	3.082	1.709
0.677419	7.446	7.03	5.864	3.861	3.006	1.646
0.709677	7.43	6.97	5.861	3.831	2.956	1.604
0.741935	7.391	6.941	5.856	3.819	2.945	1.588
0.774194	7.383	6.888	5.799	3.801	2.916	1.515
0.806452	7.38	6.885	5.781	3.791	2.892	1.494
0.83871	7.361	6.884	5.763	3.743	2.868	1.475
0.870968	7.344	6.869	5.718	3.712	2.806	1.358
0.903226	7.317	6.816	5.562	3.697	2.8	1.355
0.935484	7.301	6.805	5.559	3.614	2.712	1.168
0.967742	7.16	6.736	5.558	3.54	2.628	1.099
0.1	13.029	12.295	9.3286	6.3837	5.66	2.6913
Average of yearly averages:						1.8841

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Cotton

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life
Aerobic Soil Metabolism	asm	17.5	days	Half-life

Hydrolysis:	pH 7	48	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	0.02	fraction of application rate applied to pond	
Application Date	Date	7-Oct	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	5	days	Set to 0 or delete line for single app.
app. rate 1	apprate	1.12	kg/ha	
Interval 2	interval	5	days	Set to 0 or delete line for single app.
app. rate 2	apprate	1.12	kg/ha	
Interval 3	interval	5	days	Set to 0 or delete line for single app.
app. rate 3	apprate	1.12	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	none, monthly or total(average of entire run)	

Fruit (*Apple, Apricot, Cherry, Nectarine, Peach, Pear, Plum, Prune*)

stored as fruit.out

Chemical: methidathion

PRZM environment:

CAfruit_WirrigSTD.txt

modified Tuesday, 29 May 2007 at 12:42:32

EXAMS environment: pond298.exv

modified Thursday, 29 August 2002 at 15:33:30

Metfile: w93193.dvf

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.357	3.182	1.868	0.6537	0.4358	0.1075
1962	3.377	3.198	1.879	1.394	1.161	0.4754
1963	3.383	3.212	1.901	1.638	1.373	0.5504
1964	3.947	3.766	2.214	1.269	1.009	0.4412
1965	4.352	3.782	2.657	1.805	1.423	0.5619
1966	4.026	3.824	3.123	2.131	1.679	0.6177
1967	3.392	3.218	1.898	1.419	1.146	0.4694
1968	3.373	3.199	1.885	1.252	0.9867	0.4111
1969	6.363	6.038	5.427	3.746	3.067	1.072
1970	6.255	5.925	3.344	2.491	2.005	0.8106
1971	6.948	6.595	3.605	2.465	1.951	0.808
1972	6.095	5.798	4.762	3.259	2.558	0.8851
1973	6.73	6.376	2.786	1.358	1.095	0.5013
1974	6.751	6.514	5.624	3.915	3.084	1.047
1975	3.376	3.201	1.886	1.309	1.041	0.4347
1976	3.38	3.202	1.884	1.484	1.248	0.508
1977	6.421	6.069	2.806	1.779	1.401	0.5884
1978	5.573	5.273	4.473	3.075	2.41	0.8404
1979	3.377	3.198	2.201	1.662	1.325	0.5143
1980	3.381	3.202	2.545	1.927	1.541	0.5825
1981	3.376	3.195	1.874	1.49	1.217	0.4853
1982	15.95	15.11	7.278	3.468	2.744	1.258
1983	12.17	11.56	9.461	7.037	5.587	1.834
1984	9	8.522	4.854	1.712	1.149	0.6162
1985	6.33	6.019	4.935	3.381	2.673	0.9221
1986	29.64	28.05	14.74	5.173	3.457	1.189
1987	21.71	21.01	17.65	12.01	9.446	2.977
1988	7.661	7.262	4.216	1.49	1.17	0.6046
1989	5.931	5.64	4.851	3.346	2.642	0.9127
1990	6.366	6.051	4.924	3.403	2.77	0.9615

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	29.64	28.05	17.65	12.01	9.446	2.977
0.064516	21.71	21.01	14.74	7.037	5.587	1.834
0.096774	15.95	15.11	9.461	5.173	3.457	1.258
0.129032	12.17	11.56	7.278	3.915	3.084	1.189
0.16129	9	8.522	5.624	3.746	3.067	1.072
0.193548	7.661	7.262	5.427	3.468	2.77	1.047

0.225806	6.948	6.595	4.935	3.403	2.744	0.9615
0.258065	6.751	6.514	4.924	3.381	2.673	0.9221
0.290323	6.73	6.376	4.854	3.346	2.642	0.9127
0.322581	6.421	6.069	4.851	3.259	2.558	0.8851
0.354839	6.366	6.051	4.762	3.075	2.41	0.8404
0.387097	6.363	6.038	4.473	2.491	2.005	0.8106
0.419355	6.33	6.019	4.216	2.465	1.951	0.808
0.451613	6.255	5.925	3.605	2.131	1.679	0.6177
0.483871	6.095	5.798	3.344	1.927	1.541	0.6162
0.516129	5.931	5.64	3.123	1.805	1.423	0.6046
0.548387	5.573	5.273	2.806	1.779	1.401	0.5884
0.580645	4.352	3.824	2.786	1.712	1.373	0.5825
0.612903	4.026	3.782	2.657	1.662	1.325	0.5619
0.645161	3.947	3.766	2.545	1.638	1.248	0.5504
0.677419	3.392	3.218	2.214	1.49	1.217	0.5143
0.709677	3.383	3.212	2.201	1.49	1.17	0.508
0.741935	3.381	3.202	1.901	1.484	1.161	0.5013
0.774194	3.38	3.202	1.898	1.419	1.149	0.4853
0.806452	3.377	3.201	1.886	1.394	1.146	0.4754
0.83871	3.377	3.199	1.885	1.358	1.095	0.4694
0.870968	3.376	3.198	1.884	1.309	1.041	0.4412
0.903226	3.376	3.198	1.879	1.269	1.009	0.4347
0.935484	3.373	3.195	1.874	1.252	0.9867	0.4111
0.967742	3.357	3.182	1.868	0.6537	0.4358	0.1075
0.1	15.572	14.755	9.2427	5.0472	3.4197	1.2511
Average of yearly averages:						0.799577

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: fruit

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment
file: pond298.exv

Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life
Aerobic Soil Metabolism	asm	17.5	days	Half-life

Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	3.36	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.02	fraction of application rate applied to pond	
Application Date	Date	18-12	dd/mm or dd/mmm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND	3		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR	EPA Pond		
			none, monthly or total(average of entire	
Flag for runoff calc.	RUNOFF	none	run)	

Grape (Kiwi)

stored as Grape.out

Chemical: methidathion

PRZM environment:

CAgapes_WirrigSTD.txt

modified Tuesday, 29 May 2007 at 12:42:54

modified Thursday, 29 August 2002 at
15:33:30

EXAMS environment: pond298.exv

Metfile: w93193.dvf

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.238	2.113	1.685	1.103	0.8486	0.2512
1962	2.265	2.144	1.723	1.129	0.8656	0.256
1963	2.273	2.142	1.695	1.352	1.16	0.361
1964	2.257	2.136	1.729	1.142	0.8822	0.2687
1965	6.867	6.475	5.142	3.309	2.728	0.8455
1966	2.284	2.163	1.739	1.128	0.8618	0.3008
1967	2.414	2.286	1.842	1.374	1.133	0.3766
1968	2.255	2.126	1.683	1.139	0.8864	0.2627
1969	8.879	8.407	6.722	4.512	3.558	1.05
1970	4.329	4.115	3.331	2.359	1.882	0.5659
1971	2.274	2.152	1.73	1.131	0.977	0.3092
1972	2.256	2.13	1.696	1.083	0.828	0.2779
1973	2.303	2.176	1.741	1.25	0.9858	0.3008
1974	2.252	2.129	1.706	1.125	0.8723	0.2561
1975	2.25	2.127	1.704	1.121	0.8688	0.2559
1976	2.258	2.134	1.709	1.119	0.8649	0.2657
1977	2.257	2.13	1.746	1.16	0.8909	0.2645
1978	3.721	3.5	2.752	2.108	1.729	0.5236
1979	2.494	2.358	2.031	1.348	1.035	0.3014
1980	10.07	9.499	7.607	5.043	3.913	1.141
1981	2.287	2.161	1.727	1.29	1.024	0.3064
1982	2.252	2.128	1.701	1.395	1.126	0.3381
1983	2.902	2.737	2.192	1.709	1.35	0.3986
1984	2.255	2.13	1.699	1.093	0.8368	0.2458
1985	2.261	2.135	1.706	1.119	0.8544	0.25
1986	2.301	2.205	1.759	1.492	1.181	0.3462
1987	2.254	2.128	1.697	1.109	0.8455	0.2481
1988	2.249	2.123	1.803	1.245	1.037	0.3134
1989	2.253	2.131	1.768	1.26	0.9848	0.2907
1990	2.254	2.132	1.709	1.101	0.8647	0.2686

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	10.07	9.499	7.607	5.043	3.913	1.141
0.064516	8.879	8.407	6.722	4.512	3.558	1.05
0.096774	6.867	6.475	5.142	3.309	2.728	0.8455
0.129032	4.329	4.115	3.331	2.359	1.882	0.5659
0.16129	3.721	3.5	2.752	2.108	1.729	0.5236

0.193548	2.902	2.737	2.192	1.709	1.35	0.3986
0.225806	2.494	2.358	2.031	1.492	1.181	0.3766
0.258065	2.414	2.286	1.842	1.395	1.16	0.361
0.290323	2.303	2.205	1.803	1.374	1.133	0.3462
0.322581	2.301	2.176	1.768	1.352	1.126	0.3381
0.354839	2.287	2.163	1.759	1.348	1.037	0.3134
0.387097	2.284	2.161	1.746	1.29	1.035	0.3092
0.419355	2.274	2.152	1.741	1.26	1.024	0.3064
0.451613	2.273	2.144	1.739	1.25	0.9858	0.3014
0.483871	2.265	2.142	1.73	1.245	0.9848	0.3008
0.516129	2.261	2.136	1.729	1.16	0.977	0.3008
0.548387	2.258	2.135	1.727	1.142	0.8909	0.2907
0.580645	2.257	2.134	1.723	1.139	0.8864	0.2779
0.612903	2.257	2.132	1.709	1.131	0.8822	0.2687
0.645161	2.256	2.131	1.709	1.129	0.8723	0.2686
0.677419	2.255	2.13	1.706	1.128	0.8688	0.2657
0.709677	2.255	2.13	1.706	1.125	0.8656	0.2645
0.741935	2.254	2.13	1.704	1.121	0.8649	0.2627
0.774194	2.254	2.129	1.701	1.119	0.8647	0.2561
0.806452	2.253	2.128	1.699	1.119	0.8618	0.256
0.83871	2.252	2.128	1.697	1.109	0.8544	0.2559
0.870968	2.252	2.127	1.696	1.103	0.8486	0.2512
0.903226	2.25	2.126	1.695	1.101	0.8455	0.25
0.935484	2.249	2.123	1.685	1.093	0.8368	0.2481
0.967742	2.238	2.113	1.683	1.083	0.828	0.2458
0.1	6.6132	6.239	4.9609	3.214	2.6434	0.81754
Average of yearly averages:						0.381347

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Grape

Metfile: w93193.dvf

PRZM scenario: CAgrapes_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Variable					
Description	Name	Value	Units	Comments	
Molecular weight	mwt	302	g/mol		
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol		
Vapor Pressure	vapr	2.48E-06	torr		
Solubility	sol	2500	mg/L		
Kd	Kd		mg/L		
Koc	Koc	364	mg/L		
Photolysis half-life	kdp	10	days	Half-life	
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life	
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life	
Aerobic Soil Metabolism	asm	17.5	days	Half-life	

Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	2.24	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.02	fraction of application rate applied to pond	
Application Date	Date	15-2	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
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	none, monthly or total(average of entire run)	

Nursery (Nursery)

stored as Nursery.out

Chemical: methidathion

PRZM environment:

CAnurserySTD.txt

modified Wednesday, 24 January 2007 at 09:18:18

EXAMS environment: pond298.exv

modified Thursday, 29 August 2002 at 15:33:30

Metfile: w23188.dvf

modified Wednesday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	75.7	71.18	55.99	36.09	27.87	8.526
1962	55.96	53.48	43.07	29.38	23	7.12
1963	21.92	20.62	16.55	10.86	8.451	2.742
1964	4.176	3.941	3.132	2.172	1.733	0.549
1965	3.383	3.187	2.781	2.224	1.932	0.6281
1966	38.92	36.75	32.96	22.27	17.4	5.334
1967	184	178	144	93.58	72.47	22.18
1968	8.791	8.283	6.564	4.277	3.876	1.428
1969	52.97	50.84	43.54	30.7	23.99	7.329
1970	36.47	34.44	27.29	21	16.77	5.327
1971	26.23	24.74	19.64	12.76	9.887	3.194
1972	3.532	3.336	2.657	1.731	1.34	0.4184
1973	7.438	6.994	5.491	3.823	3.152	0.9898
1974	3.402	3.203	2.524	2.099	1.886	0.6193
1975	7.271	6.856	5.615	4.547	3.871	1.255
1976	27.17	26.09	21.02	13.83	10.69	3.287
1977	3.492	3.284	2.578	1.652	1.277	0.4622
1978	4.731	4.447	3.817	2.907	2.295	0.6958
1979	188	177	139	89.48	68.55	20.37
1980	120	113	88.02	56.33	43.15	12.96
1981	22.9	21.52	19.26	14.64	11.56	3.589
1982	11.56	10.87	8.514	6.716	5.477	1.819
1983	40.21	37.77	31.7	21.5	16.55	4.966
1984	3.542	3.329	2.614	1.68	1.298	0.4033
1985	3.512	3.31	3.022	2.101	1.628	0.4883
1986	23.49	22.11	17.41	12.3	9.832	3.084
1987	6.073	5.76	4.567	3.15	2.768	0.912
1988	71.2	66.92	52.48	33.47	25.72	7.838
1989	3.733	3.532	2.971	2.275	1.89	0.63
1990	9.037	8.523	6.761	4.393	3.729	1.188

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	188	178	144	93.58	72.47	22.18
0.064516	184	177	139	89.48	68.55	20.37
0.096774	120	113	88.02	56.33	43.15	12.96
0.129032	75.7	71.18	55.99	36.09	27.87	8.526
0.16129	71.2	66.92	52.48	33.47	25.72	7.838
0.193548	55.96	53.48	43.54	30.7	23.99	7.329

0.225806	52.97	50.84	43.07	29.38	23	7.12
0.258065	40.21	37.77	32.96	22.27	17.4	5.334
0.290323	38.92	36.75	31.7	21.5	16.77	5.327
0.322581	36.47	34.44	27.29	21	16.55	4.966
0.354839	27.17	26.09	21.02	14.64	11.56	3.589
0.387097	26.23	24.74	19.64	13.83	10.69	3.287
0.419355	23.49	22.11	19.26	12.76	9.887	3.194
0.451613	22.9	21.52	17.41	12.3	9.832	3.084
0.483871	21.92	20.62	16.55	10.86	8.451	2.742
0.516129	11.56	10.87	8.514	6.716	5.477	1.819
0.548387	9.037	8.523	6.761	4.547	3.876	1.428
0.580645	8.791	8.283	6.564	4.393	3.871	1.255
0.612903	7.438	6.994	5.615	4.277	3.729	1.188
0.645161	7.271	6.856	5.491	3.823	3.152	0.9898
0.677419	6.073	5.76	4.567	3.15	2.768	0.912
0.709677	4.731	4.447	3.817	2.907	2.295	0.6958
0.741935	4.176	3.941	3.132	2.275	1.932	0.63
0.774194	3.733	3.532	3.022	2.224	1.89	0.6281
0.806452	3.542	3.336	2.971	2.172	1.886	0.6193
0.83871	3.532	3.329	2.781	2.101	1.733	0.549
0.870968	3.512	3.31	2.657	2.099	1.628	0.4883
0.903226	3.492	3.284	2.614	1.731	1.34	0.4622
0.935484	3.402	3.203	2.578	1.68	1.298	0.4184
0.967742	3.383	3.187	2.524	1.652	1.277	0.4033

0.1	115.57	108.818	84.817	54.306	41.622	12.5166
Average of yearly averages:						4.344407

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Nursery

Metfile:	w23188.dvf
PRZM scenario:	CAnurserySTD.txt
EXAMS environment file:	pond298.exv
Chemical Name:	methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic	kbacs	0	days	Half-life

Metabolism

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	11.2	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.006	fraction of application rate applied to pond	
Application Date	Date	22-1	dd/mm or dd/mm or dd-mm or dd-mmm	
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	none, monthly or total(average of entire run)	

Olive (Olive)

stored as Olive.out

Chemical: methidathion

PRZM environment:

CAOliveRLF_V2.txt

EXAMS environment: pond298.exv

Metfile: w93193.dvf

modified Wednesday, 26 March 2008 at
08:37:04

modified Thursday, 29 August 2002 at 15:33:30

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.673	5.378	4.355	1.999	1.332	0.3286
1962	3.784	3.631	3.051	2.331	2.144	0.7797
1963	8.205	7.743	6.609	4.833	3.844	1.25
1964	1.593	1.51	0.9193	0.5286	0.3615	0.1759
1965	1.737	1.453	1.085	0.7417	0.6407	0.3027
1966	15.25	14.45	11.72	5.062	3.381	1.051
1967	7.755	7.39	6.116	4.493	3.633	1.233
1968	5.692	5.399	3.997	1.557	1.044	0.3957
1969	9.137	8.827	8.049	5.796	4.762	1.572
1970	9.233	8.741	7.119	4.943	3.911	1.498
1971	5.102	4.852	3.982	2.749	2.189	0.808
1972	2.725	2.594	2.137	1.52	1.209	0.4476
1973	2.958	2.805	1.386	0.7859	0.7028	0.3492
1974	5.597	5.305	4.29	2.327	1.845	0.8798
1975	2.82	2.693	2.428	1.769	1.429	0.5202
1976	16.43	15.54	12.47	8.473	6.623	2.05
1977	11.44	10.8	7.37	2.737	1.832	0.7068
1978	9.438	8.94	7.623	5.485	4.353	1.401
1979	2.733	2.593	2.146	1.575	1.261	0.4525
1980	4.221	3.997	3.231	2.46	2.01	0.6908
1981	5.513	5.221	4.26	2.874	2.286	0.7621
1982	14.78	14	6.537	3.897	3.097	1.356
1983	14.47	13.76	12.3	9.898	8.158	2.626
1984	3.473	3.292	2.23	0.9383	0.6301	0.3053
1985	2.458	2.339	1.926	1.363	1.094	0.4047
1986	17.8	16.85	9.157	3.435	2.311	1.274
1987	14.01	13.34	11.28	7.725	6.103	1.926
1988	7.197	6.828	4.848	1.851	1.239	0.4402
1989	5.379	5.118	4.353	3.022	2.422	0.8098
1990	12.03	11.4	9.221	6.335	4.942	1.541

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	17.8	16.85	12.47	9.898	8.158	2.626
0.064516	16.43	15.54	12.3	8.473	6.623	2.05
0.096774	15.25	14.45	11.72	7.725	6.103	1.926
0.129032	14.78	14	11.28	6.335	4.942	1.572
0.16129	14.47	13.76	9.221	5.796	4.762	1.541
0.193548	14.01	13.34	9.157	5.485	4.353	1.498

0.225806	12.03	11.4	8.049	5.062	3.911	1.401
0.258065	11.44	10.8	7.623	4.943	3.844	1.356
0.290323	9.438	8.94	7.37	4.833	3.633	1.274
0.322581	9.233	8.827	7.119	4.493	3.381	1.25
0.354839	9.137	8.741	6.609	3.897	3.097	1.233
0.387097	8.205	7.743	6.537	3.435	2.422	1.051
0.419355	7.755	7.39	6.116	3.022	2.311	0.8798
0.451613	7.197	6.828	4.848	2.874	2.286	0.8098
0.483871	5.692	5.399	4.355	2.749	2.189	0.808
0.516129	5.673	5.378	4.353	2.737	2.144	0.7797
0.548387	5.597	5.305	4.29	2.46	2.01	0.7621
0.580645	5.513	5.221	4.26	2.331	1.845	0.7068
0.612903	5.379	5.118	3.997	2.327	1.832	0.6908
0.645161	5.102	4.852	3.982	1.999	1.429	0.5202
0.677419	4.221	3.997	3.231	1.851	1.332	0.4525
0.709677	3.784	3.631	3.051	1.769	1.261	0.4476
0.741935	3.473	3.292	2.428	1.575	1.239	0.4402
0.774194	2.958	2.805	2.23	1.557	1.209	0.4047
0.806452	2.82	2.693	2.146	1.52	1.094	0.3957
0.83871	2.733	2.594	2.137	1.363	1.044	0.3492
0.870968	2.725	2.593	1.926	0.9383	0.7028	0.3286
0.903226	2.458	2.339	1.386	0.7859	0.6407	0.3053
0.935484	1.737	1.51	1.085	0.7417	0.6301	0.3027
0.967742	1.593	1.453	0.9193	0.5286	0.3615	0.1759
0.1	15.203	14.405	11.676	7.586	5.9869	1.8906
Average of yearly averages:						0.944587

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Olive

Metfile: w93193.dvf
PRZM scenario: CAOliveRLF_V2.txt
EXAMS environment file: pond298.exv
Chemical Name: methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life
Aerobic Soil Metabolism	asm	17.5	days	Half-life

Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	3.36	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.006	fraction of application rate applied to pond	
Application Date	Date	12-Jan	dd/mm or dd/mm/yy or dd-mm or dd-mmm	
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	none, monthly or total(average of entire run)	

Row Crop (*Artichokes*)

stored as RowCrop.out

Chemical: methidathion

PRZM environment:

CARowCropRLF_V2.txt

modified Wednesday, 26 March 2008 at
08:38:52

EXAMS environment: pond298.exv

modified Thursday, 29 August 2002 at
15:33:30

Metfile: w23234.dvf

modified Wednesday, 3 July 2002 at
08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.336	6.135	5.145	3.825	3.404	1.171
1962	40.35	37.94	30.96	20.79	16.22	4.865
1963	7.253	7.006	6.114	4.716	3.968	2.574
1964	7.792	7.481	6.118	4.63	3.964	1.718
1965	6.65	6.402	5.807	4.269	3.729	1.734
1966	7.627	7.22	6.538	4.948	4.184	1.89
1967	3.478	3.335	2.835	2.527	2.472	1.544
1968	5.271	4.994	4.045	3.202	2.961	1.404
1969	8.772	8.255	7.047	5.04	4.222	1.772
1970	6.06	5.786	4.91	3.778	3.398	1.614
1971	3.351	3.181	2.813	2.583	2.42	1.361
1972	18.33	17.67	15.32	12.98	10.59	3.179
1973	9.674	9.158	8.451	6.66	5.513	2.727
1974	3.948	3.798	3.253	2.615	2.467	1.564
1975	4.987	4.714	4.211	3.492	3.094	1.3
1976	3.41	3.242	2.918	2.643	2.514	1.158
1977	7.107	6.722	5.413	3.875	3.458	1.624
1978	3.294	3.126	2.766	2.553	2.444	1.375
1979	9.582	9.007	8.008	5.567	4.68	1.763
1980	3.353	3.215	2.814	2.609	2.459	1.487
1981	16.3	15.4	12.32	8.837	6.937	2.345
1982	12.7	12.03	10.04	7.739	6.325	2.827
1983	6.535	6.19	5.731	4.405	3.814	2.144
1984	13.27	12.55	10.23	7.401	6.199	2.338
1985	5.45	5.173	4.467	3.372	3.151	1.874
1986	3.312	3.138	2.784	2.578	2.426	1.254
1987	3.666	3.466	2.915	2.631	2.547	1.168
1988	3.292	3.119	2.762	2.583	2.486	1.235
1989	6.875	6.483	5.743	4.579	4.106	1.696
1990	3.237	3.066	2.709	2.501	2.353	1.272

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	40.35	37.94	30.96	20.79	16.22	4.865
0.064516	18.33	17.67	15.32	12.98	10.59	3.179
0.096774	16.3	15.4	12.32	8.837	6.937	2.827
0.129032	13.27	12.55	10.23	7.739	6.325	2.727
0.16129	12.7	12.03	10.04	7.401	6.199	2.574

0.193548	9.674	9.158	8.451	6.66	5.513	2.345
0.225806	9.582	9.007	8.008	5.567	4.68	2.338
0.258065	8.772	8.255	7.047	5.04	4.222	2.144
0.290323	7.792	7.481	6.538	4.948	4.184	1.89
0.322581	7.627	7.22	6.118	4.716	4.106	1.874
0.354839	7.253	7.006	6.114	4.63	3.968	1.772
0.387097	7.107	6.722	5.807	4.579	3.964	1.763
0.419355	6.875	6.483	5.743	4.405	3.814	1.734
0.451613	6.65	6.402	5.731	4.269	3.729	1.718
0.483871	6.535	6.19	5.413	3.875	3.458	1.696
0.516129	6.336	6.135	5.145	3.825	3.404	1.624
0.548387	6.06	5.786	4.91	3.778	3.398	1.614
0.580645	5.45	5.173	4.467	3.492	3.151	1.564
0.612903	5.271	4.994	4.211	3.372	3.094	1.544
0.645161	4.987	4.714	4.045	3.202	2.961	1.487
0.677419	3.948	3.798	3.253	2.643	2.547	1.404
0.709677	3.666	3.466	2.918	2.631	2.514	1.375
0.741935	3.478	3.335	2.915	2.615	2.486	1.361
0.774194	3.41	3.242	2.835	2.609	2.472	1.3
0.806452	3.353	3.215	2.814	2.583	2.467	1.272
0.83871	3.351	3.181	2.813	2.583	2.459	1.254
0.870968	3.312	3.138	2.784	2.578	2.444	1.235
0.903226	3.294	3.126	2.766	2.553	2.426	1.171
0.935484	3.292	3.119	2.762	2.527	2.42	1.168
0.967742	3.237	3.066	2.709	2.501	2.353	1.158
0.1	15.997	15.115	12.111	8.7272	6.8758	2.817
				Average of yearly averages:		1.8659

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: RowCrop

Metfile:

w23234.dvf

PRZM scenario:

CARowCropRLF_V2.txt

EXAMS environment file:

pond298.exv

Chemical Name:

methidathion

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	302	g/mol	
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol	
Vapor Pressure	vapr	2.48E-06	torr	
Solubility	sol	2500	mg/L	
Kd	Kd		mg/L	
Koc	Koc	364	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	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	0.02	fraction of application rate applied to pond	
Application Date	Date	25-7	dd/mm or dd/mmm 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	
Interval 3	interval	14	days	Set to 0 or delete line for single app.
app. rate 3	apprate	1.12	kg/ha	
Interval 4	interval	14	days	Set to 0 or delete line for single app.
app. rate 4	apprate	1.12	kg/ha	
Interval 5	interval	14	days	Set to 0 or delete line for single app.
app. rate 5	apprate	1.12	kg/ha	
Interval 6	interval	14	days	Set to 0 or delete line for single app.
app. rate 6	apprate	1.12	kg/ha	
Interval 7	interval	14	days	Set to 0 or delete line for single app.
app. rate 7	apprate	1.12	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	none, monthly or total(average of entire run)	

Wheat (Wheat)

stored as Wheat.out

Chemical: methidathion

PRZM environment:

CAWheatRLF_V2.txt

modified Wednesday, 26 March 2008 at
08:39:38

EXAMS environment: pond298.exv

Metfile: w93193.dvf

modified Thursday, 29 August 2002 at
15:33:30

modified Wednesday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	11.78	10.84	8.828	5.582	4.18	1.212
1962	11.74	10.86	9.333	5.998	4.517	1.363
1963	11.86	11.01	9.206	5.977	4.52	1.371
1964	11.53	10.69	9.088	6.084	4.592	1.394
1965	12.03	11.19	9.43	6.258	4.744	1.439
1966	11.47	10.59	8.695	5.659	4.255	1.295
1967	10.88	10.08	8.335	5.567	4.16	1.25
1968	12.81	11.92	10.24	6.435	4.785	1.451
1969	11.37	10.56	9.179	5.961	4.463	1.346
1970	11.84	10.94	9.292	6.035	4.498	1.367
1971	11.77	10.9	8.883	5.595	4.148	1.267
1972	12.34	11.37	9.544	6.224	4.641	1.407
1973	12.78	12.11	10.1	6.34	4.752	1.429
1974	12.94	11.93	9.688	6.372	4.782	1.429
1975	11.72	10.84	8.934	5.861	4.442	1.343
1976	11.26	10.56	8.879	5.752	4.335	1.328
1977	12.14	11.16	9.747	6.153	4.565	1.355
1978	14.05	13.25	10.82	6.866	5.121	1.54
1979	13.61	12.85	10.75	6.861	5.121	1.499
1980	12.29	11.69	9.996	6.418	4.776	1.398
1981	13.77	13.07	10.42	6.554	4.868	1.425
1982	12.41	11.82	10.07	6.533	4.897	1.455
1983	12.96	11.96	9.806	6.441	4.818	1.427
1984	11.42	10.53	8.761	5.68	4.176	1.226
1985	12.52	11.77	9.252	5.783	4.29	1.266
1986	13.03	11.97	9.769	6.242	4.625	1.36
1987	11.04	10.16	8.308	5.411	4.08	1.257
1988	12.32	11.39	9.456	6.052	4.468	1.31
1989	12.04	11.39	9.575	6.104	4.546	1.356
1990	12.12	11.27	9.543	6.182	4.565	1.337

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258	14.05	13.25	10.82	6.866	5.121	1.54
0.064516	13.77	13.07	10.75	6.861	5.121	1.499
0.096774	13.61	12.85	10.42	6.554	4.897	1.455
0.129032	13.03	12.11	10.24	6.533	4.868	1.451
0.16129	12.96	11.97	10.1	6.441	4.818	1.439

0.193548	12.94	11.96	10.07	6.435	4.785	1.429
0.225806	12.81	11.93	9.996	6.418	4.782	1.429
0.258065	12.78	11.92	9.806	6.372	4.776	1.427
0.290323	12.52	11.82	9.769	6.34	4.752	1.425
0.322581	12.41	11.77	9.747	6.258	4.744	1.407
0.354839	12.34	11.69	9.688	6.242	4.641	1.398
0.387097	12.32	11.39	9.575	6.224	4.625	1.394
0.419355	12.29	11.39	9.544	6.182	4.592	1.371
0.451613	12.14	11.37	9.543	6.153	4.565	1.367
0.483871	12.12	11.27	9.456	6.104	4.565	1.363
0.516129	12.04	11.19	9.43	6.084	4.546	1.36
0.548387	12.03	11.16	9.333	6.052	4.52	1.356
0.580645	11.86	11.01	9.292	6.035	4.517	1.355
0.612903	11.84	10.94	9.252	5.998	4.498	1.346
0.645161	11.78	10.9	9.206	5.977	4.468	1.343
0.677419	11.77	10.86	9.179	5.961	4.463	1.337
0.709677	11.74	10.84	9.088	5.861	4.442	1.328
0.741935	11.72	10.84	8.934	5.783	4.335	1.31
0.774194	11.53	10.69	8.883	5.752	4.29	1.295
0.806452	11.47	10.59	8.879	5.68	4.255	1.267
0.83871	11.42	10.56	8.828	5.659	4.18	1.266
0.870968	11.37	10.56	8.761	5.595	4.176	1.257
0.903226	11.26	10.53	8.695	5.582	4.16	1.25
0.935484	11.04	10.16	8.335	5.567	4.148	1.226
0.967742	10.88	10.08	8.308	5.411	4.08	1.212
0.1	13.552	12.776	10.402	6.5519	4.8941	1.4546
Average of yearly averages:						1.3634

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Wheat

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: methidathion

Variable					
Description	Name	Value	Units	Comments	
Molecular weight	mwt	302	g/mol		
Henry's Law Const.	henry	3.97E-09	atm-m ³ /mol		
Vapor Pressure	vapr	2.48E-06	torr		
Solubility	sol	2500	mg/L		
Kd	Kd		mg/L		
Koc	Koc	364	mg/L		
Photolysis half-life	kdp	10	days	Half-life	
Aerobic Aquatic Metabolism	kbacw	35	days	Half-life	
Anaerobic Aquatic Metabolism	kbacs	0	days	Half-life	

Aerobic Soil Metabolism	asm	17.5	days	Half-life
Hydrolysis:	pH 7	48	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.02	fraction of application rate applied to pond	
Application Date	Date	25-5	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.56	kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.56	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	none, monthly or total(average of entire run)	