



Appendix D. Output files from PRZM/EXAMS modeling

Alfalfa

stored as run 1.out

Chemical: dimethoate

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

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.2	3.991	3.399	2.217	1.879	1.257
1962	6.826	6.651	5.575	4.034	3.369	1.727
1963	3.273	3.103	2.565	2.125	2.019	1.413
1964	2.428	2.325	1.945	1.718	1.616	1.18
1965	2.301	2.115	1.715	1.477	1.415	1.179
1966	2.307	2.201	1.815	1.575	1.499	1.134
1967	3.136	2.958	2.378	1.592	1.525	1.228
1968	3.06	2.86	2.23	1.847	1.67	1.306
1969	4.432	4.237	3.597	3.051	2.73	1.526
1970	2.764	2.667	2.271	2.058	1.88	1.28
1971	2.41	2.304	1.918	1.683	1.589	1.192
1972	2.3	2.184	1.769	1.568	1.456	1.103
1973	8.857	8.408	6.81	4.835	3.872	1.773
1974	2.887	2.786	2.369	2.022	1.877	1.271
1975	2.583	2.458	2.141	1.902	1.767	1.241
1976	2.306	2.195	1.795	1.574	1.496	1.188
1977	3.369	3.225	2.697	2.192	2.007	1.282
1978	4.475	4.245	3.423	2.566	2.217	1.454
1979	2.844	2.713	2.378	2.085	1.915	1.218
1980	2.747	2.624	2.31	1.912	1.74	1.211
1981	2.286	2.171	1.76	1.53	1.461	1.1
1982	5.495	5.22	4.333	3.058	2.667	1.759
1983	4.281	4.041	3.253	2.628	2.524	1.533
1984	2.251	2.139	1.854	1.546	1.443	1.105
1985	2.336	2.218	1.854	1.633	1.54	1.127
1986	11.5	10.87	8.645	5.665	4.408	1.894
1987	5.182	5.015	4.184	3.378	2.939	1.473
1988	2.313	2.197	1.84	1.616	1.504	1.103
1989	4.17	3.925	2.996	2.082	1.944	1.336
1990	2.711	2.585	2.137	1.974	1.818	1.205

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129			11.5	10.87	8.645	5.665	4.408 1.894
0.0645161290322581			8.857	8.408	6.81	4.835	3.872 1.773
0.0967741935483871			6.826	6.651	5.575	4.034	3.369 1.759
0.129032258064516			5.495	5.22	4.333	3.378	2.939 1.727
0.161290322580645			5.182	5.015	4.184	3.058	2.73 1.533
0.193548387096774			4.475	4.245	3.597	3.051	2.667 1.526
0.225806451612903			4.432	4.237	3.423	2.628	2.524 1.473
0.258064516129032			4.281	4.041	3.399	2.566	2.217 1.454
0.290322580645161			4.2	3.991	3.253	2.217	2.019 1.413
0.32258064516129			4.17	3.925	2.996	2.192	2.007 1.336

0.354838709677419	3.369	3.225	2.697	2.125	1.944	1.306
0.387096774193548	3.273	3.103	2.565	2.085	1.915	1.282
0.419354838709677	3.136	2.958	2.378	2.082	1.88	1.28
0.451612903225806	3.06	2.86	2.378	2.058	1.879	1.271
0.483870967741936	2.887	2.786	2.369	2.022	1.877	1.257
0.516129032258065	2.844	2.713	2.31	1.974	1.818	1.241
0.548387096774194	2.764	2.667	2.271	1.912	1.767	1.228
0.580645161290323	2.747	2.624	2.23	1.902	1.74	1.218
0.612903225806452	2.711	2.585	2.141	1.847	1.67	1.211
0.645161290322581	2.583	2.458	2.137	1.718	1.616	1.205
0.67741935483871	2.428	2.325	1.945	1.683	1.589	1.192
0.709677419354839	2.41	2.304	1.918	1.633	1.54	1.188
0.741935483870968	2.336	2.218	1.854	1.616	1.525	1.18
0.774193548387097	2.313	2.201	1.854	1.592	1.504	1.179
0.806451612903226	2.307	2.197	1.84	1.575	1.499	1.134
0.838709677419355	2.306	2.195	1.815	1.574	1.496	1.127
0.870967741935484	2.301	2.184	1.795	1.568	1.461	1.105
0.903225806451613	2.3	2.171	1.769	1.546	1.456	1.103
0.935483870967742	2.286	2.139	1.76	1.53	1.443	1.103
0.967741935483871	2.251	2.115	1.715	1.477	1.415	1.1

0.1	6.6929	6.5079	5.4508	3.9684	3.326	1.7558	
Average of yearly averages:							1.3266

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 1

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	02-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	40	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.56	kg/ha	
Interval 2	interval	40	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.56	kg/ha	

Interval 3	interval 40	days	Set to 0 or delete line for single app.
app. rate 3	apprate 0.56	kg/ha	
Interval 4	interval 40	days	Set to 0 or delete line for single app.
app. rate 4	apprate 0.56	kg/ha	
Interval 5	interval 40	days	Set to 0 or delete line for single app.
app. rate 5	apprate 0.56	kg/ha	
Interval 6	interval 40	days	Set to 0 or delete line for single app.
app. rate 6	apprate 0.56	kg/ha	
Interval 7	interval 40	days	Set to 0 or delete line for single app.
app. rate 7	apprate 0.56	kg/ha	
Interval 8	interval 40	days	Set to 0 or delete line for single app.
app. rate 8	apprate 0.56	kg/ha	
Record 17:	FILTRA		
	IPSCND1		
	UPTKF		
Record 18:	PLVKRT		
	PLDKRT	0.24	
	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)

Lupine

stored as run 2.out

Chemical: dimethoate

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

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.636	2.562	2.072	1.359	1.002	0.2535
1962	3.592	3.409	2.695	1.676	1.231	0.3119
1963	4.815	4.565	3.991	2.833	2.103	0.5359
1964	2.59	2.459	1.966	1.305	0.9643	0.2444
1965	2.545	2.405	1.925	1.271	0.9319	0.2369
1966	2.538	2.394	1.856	1.18	0.8493	0.2137
1967	2.552	2.416	2.008	1.392	1.033	0.2622
1968	2.672	2.524	2.022	1.337	0.9768	0.2458
1969	2.56	2.427	1.954	1.304	0.9525	0.2414
1970	2.546	2.406	1.908	1.275	0.9295	0.2344
1971	2.553	2.417	1.92	1.281	0.9507	0.2417
1972	2.514	2.357	1.817	1.188	0.8628	0.2168
1973	3.165	3.008	2.411	1.56	1.129	0.2838
1974	2.543	2.401	2.106	1.402	1.027	0.2594
1975	2.566	2.437	1.969	1.341	0.9886	0.2508
1976	2.562	2.43	1.947	1.304	0.9556	0.2417
1977	3.271	3.118	2.491	1.603	1.171	0.2952
1978	2.543	2.386	2.024	1.37	1.005	0.2539
1979	2.535	2.389	1.945	1.263	0.9149	0.2301
1980	2.552	2.416	1.906	1.245	0.9116	0.2303
1981	3.437	3.251	2.593	1.647	1.192	0.2986
1982	3.815	3.622	3.02	2.047	1.498	0.3798
1983	3.584	3.397	2.77	1.818	1.334	0.3373
1984	2.525	2.374	1.843	1.201	0.8617	0.2154
1985	2.564	2.429	1.897	1.194	0.8595	0.2152

1986	5.885	5.518	4.827	2.989	2.143	0.5371
1987	2.853	2.694	2.093	1.304	0.9357	0.235
1988	2.534	2.388	1.864	1.22	0.8925	0.2249
1989	4.233	3.984	3.07	1.896	1.379	0.3476
1990	2.534	2.388	1.847	1.176	0.8518	0.2145

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129			5.885	5.518	4.827	2.989	2.143 0.5371
0.0645161290322581			4.815	4.565	3.991	2.833	2.103 0.5359
0.0967741935483871			4.233	3.984	3.07	2.047	1.498 0.3798
0.129032258064516			3.815	3.622	3.02	1.896	1.379 0.3476
0.161290322580645			3.592	3.409	2.77	1.818	1.334 0.3373
0.193548387096774			3.584	3.397	2.695	1.676	1.231 0.3119
0.225806451612903			3.437	3.251	2.593	1.647	1.192 0.2986
0.258064516129032			3.271	3.118	2.491	1.603	1.171 0.2952
0.290322580645161			3.165	3.008	2.411	1.56	1.129 0.2838
0.32258064516129			2.853	2.694	2.106	1.402	1.033 0.2622
0.354838709677419			2.672	2.562	2.093	1.392	1.027 0.2594
0.387096774193548			2.636	2.524	2.072	1.37	1.005 0.2539
0.419354838709677			2.59	2.459	2.024	1.359	1.002 0.2535
0.451612903225806			2.566	2.437	2.022	1.341	0.9886 0.2508
0.483870967741936			2.564	2.43	2.008	1.337	0.9768 0.2458
0.516129032258065			2.562	2.429	1.969	1.305	0.9643 0.2444
0.548387096774194			2.56	2.427	1.966	1.304	0.9556 0.2417
0.580645161290323			2.553	2.417	1.954	1.304	0.9525 0.2417
0.612903225806452			2.552	2.416	1.947	1.304	0.9507 0.2414
0.645161290322581			2.552	2.416	1.945	1.281	0.9357 0.2369
0.67741935483871			2.546	2.406	1.925	1.275	0.9319 0.235
0.709677419354839			2.545	2.405	1.92	1.271	0.9295 0.2344
0.741935483870968			2.543	2.401	1.908	1.263	0.9149 0.2303
0.774193548387097			2.543	2.394	1.906	1.245	0.9116 0.2301
0.806451612903226			2.538	2.389	1.897	1.22	0.8925 0.2249
0.838709677419355			2.535	2.388	1.864	1.201	0.8628 0.2168
0.870967741935484			2.534	2.388	1.856	1.194	0.8617 0.2154
0.903225806451613			2.534	2.386	1.847	1.188	0.8595 0.2152
0.935483870967742			2.525	2.374	1.843	1.18	0.8518 0.2145
0.967741935483871			2.514	2.357	1.817	1.176	0.8493 0.2137

0.1 4.1912 3.9478 3.065 2.0319 1.4861 0.37658

Average of yearly averages: 0.276306666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 2

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m^3/mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	

Koc	Koc	mg/L				
Photolysis half-life	kdp	353	days	Half-life		
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife		
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife		
Aerobic Soil Metabolism	asm	6.202	days	Halfife		
Hydrolysis:	pH 5	156	days	Half-life		
Hydrolysis:	pH 7	68	days	Half-life		
Hydrolysis:	pH 9	4.4	days	Half-life		
Method: CAM	2	integer	See PRZM manual			
Incorporation Depth:	DEPI		cm			
Application Rate: TAPP	0.56	kg/ha				
Application Efficiency:	APPEFF	0.95	fraction			
Spray Drift	DRFT	0.05	fraction of application rate applied to pond			
Application Date	Date	15-03	dd/mm or dd/mm 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			
Record 17:	FILTRA					
	IPSCND1					
	UPTKF					
Record 18:	PLVKRT					
	PLDKRT	0.24				
	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)			

Sainfoin

stored as run 3.out

Chemical: dimethoate

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

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.488	1.409	1.136	0.6954	0.5067	0.1278
1962	1.4	1.329	1.151	0.7048	0.5114	0.1291
1963	3.608	3.421	2.771	1.778	1.303	0.331
1964	1.4	1.329	1.075	0.6698	0.489	0.1236
1965	1.4	1.323	1.052	0.6446	0.4669	0.1182
1966	1.4	1.32	1.041	0.6105	0.4353	0.1093
1967	1.4	1.325	1.064	0.6887	0.5039	0.1275
1968	1.514	1.433	1.16	0.7068	0.5105	0.1281
1969	1.4	1.327	1.068	0.6631	0.4787	0.1209
1970	1.4	1.323	1.052	0.6553	0.4728	0.119
1971	1.4	1.325	1.06	0.6601	0.4837	0.1226
1972	1.4	1.313	1.014	0.608	0.4367	0.1094
1973	1.858	1.766	1.471	0.9449	0.6795	0.1706
1974	1.4	1.322	1.058	0.6552	0.4733	0.1191
1975	1.4	1.33	1.078	0.691	0.5038	0.1274
1976	1.4	1.328	1.071	0.6731	0.4878	0.123
1977	1.976	1.874	1.525	0.9137	0.6612	0.1663
1978	1.4	1.314	1.037	0.6402	0.4621	0.1163
1979	1.4	1.319	1.042	0.6269	0.4489	0.1126
1980	1.4	1.325	1.059	0.6436	0.466	0.1174
1981	2.216	2.096	1.675	1.055	0.7593	0.19

1982	2.708	2.626	2.159	1.365	0.9908	0.2506
1983	1.629	1.539	1.282	0.8069	0.5844	0.1473
1984	1.4	1.316	1.026	0.6164	0.4383	0.1094
1985	1.4	1.328	1.067	0.6238	0.4447	0.1112
1986	5.636	5.284	4.078	2.418	1.727	0.4324
1987	1.495	1.412	1.23	0.7393	0.5267	0.132
1988	1.4	1.319	1.037	0.6271	0.4536	0.114
1989	1.4	1.318	1.098	0.6567	0.47	0.118
1990	1.4	1.319	1.036	0.6079	0.4356	0.1094

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			5.636	5.284	4.078	2.418	1.727	0.4324
0.0645161290322581			3.608	3.421	2.771	1.778	1.303	0.331
0.0967741935483871			2.708	2.626	2.159	1.365	0.9908	0.2506
0.129032258064516			2.216	2.096	1.675	1.055	0.7593	0.19
0.161290322580645			1.976	1.874	1.525	0.9449	0.6795	0.1706
0.193548387096774			1.858	1.766	1.471	0.9137	0.6612	0.1663
0.225806451612903			1.629	1.539	1.282	0.8069	0.5844	0.1473
0.258064516129032			1.514	1.433	1.23	0.7393	0.5267	0.132
0.290322580645161			1.495	1.412	1.16	0.7068	0.5114	0.1291
0.32258064516129			1.488	1.409	1.151	0.7048	0.5105	0.1281
0.354838709677419			1.4	1.33	1.136	0.6954	0.5067	0.1278
0.387096774193548			1.4	1.329	1.098	0.691	0.5039	0.1275
0.419354838709677			1.4	1.329	1.078	0.6887	0.5038	0.1274
0.451612903225806			1.4	1.328	1.075	0.6731	0.489	0.1236
0.483870967741936			1.4	1.328	1.071	0.6698	0.4878	0.123
0.516129032258065			1.4	1.327	1.068	0.6631	0.4837	0.1226
0.548387096774194			1.4	1.325	1.067	0.6601	0.4787	0.1209
0.580645161290323			1.4	1.325	1.064	0.6567	0.4733	0.1191
0.612903225806452			1.4	1.325	1.06	0.6553	0.4728	0.119
0.645161290322581			1.4	1.323	1.059	0.6552	0.47	0.1182
0.67741935483871			1.4	1.323	1.058	0.6446	0.4669	0.118
0.709677419354839			1.4	1.322	1.052	0.6436	0.466	0.1174
0.741935483870968			1.4	1.32	1.052	0.6402	0.4621	0.1163
0.774193548387097			1.4	1.319	1.042	0.6271	0.4536	0.114
0.806451612903226			1.4	1.319	1.041	0.6269	0.4489	0.1126
0.838709677419355			1.4	1.319	1.037	0.6238	0.4447	0.1112
0.870967741935484			1.4	1.318	1.037	0.6164	0.4383	0.1094
0.903225806451613			1.4	1.316	1.036	0.6105	0.4367	0.1094
0.935483870967742			1.4	1.314	1.026	0.608	0.4356	0.1094
0.967741935483871			1.4	1.313	1.014	0.6079	0.4353	0.1093

0.1	2.6588	2.573	2.1106	1.334	0.96765	0.24454
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Average of yearly averages:

0.147783333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 3

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	

Henry's Law Const.	henry	8e-11	atm-m ³ /mol
Vapor Pressure	vapr	torr	
Solubility	sol	32000	mg/L
Kd	Kd	0.3	mg/L
Koc	Koc	mg/L	
Photolysis half-life	kdp	353	days Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days Halfife
Aerobic Soil Metabolism	asm	6.202	days Halfife
Hydrolysis:	pH 5	156	days Half-life
Hydrolysis:	pH 7	68	days Half-life
Hydrolysis:	pH 9	4.4	days Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	cm	
Application Rate: TAPP	0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift	DRFT	0.05	fraction of application rate applied to pond
Application Date	Date	15-03	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1	interval	days	Set to 0 or delete line for single app.
app. rate 1	apprate	kg/ha	
Record 17:	FILTRA		
	IPSCND1		
	UPTKF		
Record 18:	PLVKRT		
	PLDKRT	0.24	
	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)

Pecans

stored as run 4.out

Chemical: dimethoate

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

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

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.018	0.9366	0.679	0.3458	0.2399	0.06019
1962	0.9825	0.9142	0.701	0.3781	0.2655	0.06707
1963	1.131	1.043	0.7658	0.4142	0.2909	0.07333
1964	0.9447	0.8846	0.7045	0.3789	0.2655	0.06678
1965	1.043	0.9694	0.751	0.4112	0.2891	0.07313
1966	0.9566	0.8839	0.6991	0.3826	0.2686	0.06779
1967	1.202	1.111	0.8219	0.4303	0.2986	0.07482
1968	0.9829	0.9119	0.6879	0.3654	0.2566	0.06462
1969	0.9722	0.8997	0.728	0.3919	0.2733	0.06869
1970	0.925	0.8507	0.6836	0.3635	0.2544	0.06408
1971	0.9808	0.9146	0.7138	0.3807	0.2659	0.06693
1972	1.009	0.9263	0.7139	0.3804	0.2662	0.06703
1973	0.925	0.8421	0.6486	0.3409	0.2387	0.06024
1974	0.9673	0.9029	0.7224	0.3961	0.2792	0.07057
1975	1.056	0.9677	0.7161	0.3754	0.2614	0.06555
1976	1.128	1.037	0.7406	0.3873	0.2711	0.06808
1977	1.014	0.9314	0.7361	0.4015	0.2829	0.07161

1978	1.084	0.9989	0.7516	0.4018	0.2813	0.07095
1979	0.9622	0.8853	0.7004	0.3729	0.2616	0.06588
1980	1.149	1.066	0.8004	0.4326	0.3054	0.07719
1981	1.061	0.9676	0.7024	0.3698	0.2588	0.06534
1982	0.9816	0.9193	0.7309	0.4081	0.2893	0.0735
1983	1.134	1.043	0.7638	0.4133	0.2893	0.07273
1984	0.9364	0.8794	0.6862	0.3567	0.2482	0.06206
1985	1.105	1.006	0.7092	0.3661	0.2559	0.06459
1986	1.042	0.9588	0.7161	0.3818	0.2677	0.06772
1987	0.9438	0.8809	0.6925	0.3813	0.2687	0.06787
1988	1.017	0.9311	0.7088	0.3617	0.251	0.06281
1989	0.9322	0.8793	0.6919	0.3686	0.2585	0.06529
1990	0.9328	0.8779	0.6836	0.3588	0.2499	0.06274

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			1.202	1.111	0.8219	0.4326	0.3054	0.07719
0.0645161290322581			1.149	1.066	0.8004	0.4303	0.2986	0.07482
0.0967741935483871			1.134	1.043	0.7658	0.4142	0.2909	0.0735
0.129032258064516			1.131	1.043	0.7638	0.4133	0.2893	0.07333
0.161290322580645			1.128	1.037	0.7516	0.4112	0.2893	0.07313
0.193548387096774			1.105	1.006	0.751	0.4081	0.2891	0.07273
0.225806451612903			1.084	0.9989	0.7406	0.4018	0.2829	0.07161
0.258064516129032			1.061	0.9694	0.7361	0.4015	0.2813	0.07095
0.290322580645161			1.056	0.9677	0.7309	0.3961	0.2792	0.07057
0.32258064516129			1.043	0.9676	0.728	0.3919	0.2733	0.06869
0.354838709677419			1.042	0.9588	0.7224	0.3873	0.2711	0.06808
0.387096774193548			1.018	0.9366	0.7161	0.3826	0.2687	0.06787
0.419354838709677			1.017	0.9314	0.7161	0.3818	0.2686	0.06779
0.451612903225806			1.014	0.9311	0.7139	0.3813	0.2677	0.06772
0.483870967741936			1.009	0.9263	0.7138	0.3807	0.2662	0.06707
0.516129032258065			0.9829	0.9193	0.7092	0.3804	0.2659	0.06703
0.548387096774194			0.9825	0.9146	0.7088	0.3789	0.2655	0.06693
0.580645161290323			0.9816	0.9142	0.7045	0.3781	0.2655	0.06678
0.612903225806452			0.9808	0.9119	0.7024	0.3754	0.2616	0.06588
0.645161290322581			0.9722	0.9029	0.701	0.3729	0.2614	0.06555
0.67741935483871			0.9673	0.8997	0.7004	0.3698	0.2588	0.06534
0.709677419354839			0.9622	0.8853	0.6991	0.3686	0.2585	0.06529
0.741935483870968			0.9566	0.8846	0.6925	0.3661	0.2566	0.06462
0.774193548387097			0.9447	0.8839	0.6919	0.3654	0.2559	0.06459
0.806451612903226			0.9438	0.8809	0.6879	0.3635	0.2544	0.06408
0.838709677419355			0.9364	0.8794	0.6862	0.3617	0.251	0.06281
0.870967741935484			0.9328	0.8793	0.6836	0.3588	0.2499	0.06274
0.903225806451613			0.9322	0.8779	0.6836	0.3567	0.2482	0.06206
0.935483870967742			0.925	0.8507	0.679	0.3458	0.2399	0.06024
0.967741935483871			0.925	0.8421	0.6486	0.3409	0.2387	0.06019

0.1	1.1337	1.043	0.7656	0.41411	0.29074	0.073483
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Average of yearly averages:

0.0676393333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 4

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vap		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.37	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-06	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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

stored as run 5.out

Chemical: dimethoate

PRZM environment: CACitrus_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:41:26

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.159	1.076	0.7947	0.3924	0.2669	0.06606
1962	1.12	1.038	0.7706	0.3949	0.2705	0.06709
1963	1.12	1.032	0.7492	0.3936	0.2719	0.06759
1964	1.12	1.05	0.7801	0.4041	0.277	0.06851
1965	1.12	1.031	0.7429	0.3929	0.271	0.06733
1966	1.12	1.045	0.7445	0.3763	0.2584	0.06409
1967	1.136	1.045	0.7505	0.3909	0.2675	0.06622
1968	1.134	1.049	0.752	0.3695	0.2512	0.06203
1969	1.126	1.059	0.7358	0.371	0.2531	0.06263
1970	1.194	1.1	0.7799	0.382	0.2593	0.06411
1971	1.146	1.059	0.7719	0.3927	0.2677	0.06625
1972	1.308	1.194	0.8849	0.4395	0.2996	0.07401
1973	1.403	1.269	0.8864	0.425	0.2887	0.07146

1974	1.12	1.036	0.7352	0.3602	0.2451	0.06066
1975	1.123	1.037	0.7292	0.3569	0.2432	0.06023
1976	1.304	1.182	0.8594	0.426	0.2905	0.07178
1977	1.12	1.041	0.7727	0.3771	0.2561	0.06334
1978	1.14	1.071	0.7597	0.3761	0.2561	0.0634
1979	1.12	1.015	0.6959	0.3359	0.2285	0.05655
1980	1.12	1.048	0.772	0.4079	0.2803	0.06933
1981	1.159	1.069	0.7549	0.361	0.2448	0.06056
1982	1.183	1.071	0.7273	0.3586	0.2442	0.06043
1983	1.12	1.05	0.7583	0.3923	0.2706	0.06717
1984	1.196	1.091	0.763	0.3907	0.2672	0.06602
1985	1.12	1.063	0.8029	0.3997	0.2724	0.06754
1986	1.206	1.114	0.7958	0.401	0.275	0.06821
1987	1.317	1.206	0.879	0.4422	0.3046	0.07567
1988	1.4	1.294	0.962	0.4997	0.3414	0.08435
1989	1.201	1.12	0.8187	0.4194	0.2875	0.07134
1990	1.12	1.044	0.7573	0.386	0.2638	0.06539

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			1.403	1.294	0.962	0.4997 0.3414 0.08435
0.0645161290322581			1.4	1.269	0.8864	0.4422 0.3046 0.07567
0.0967741935483871			1.317	1.206	0.8849	0.4395 0.2996 0.07401
0.129032258064516			1.308	1.194	0.879	0.426 0.2905 0.07178
0.161290322580645			1.304	1.182	0.8594	0.425 0.2887 0.07146
0.193548387096774			1.206	1.12	0.8187	0.4194 0.2875 0.07134
0.225806451612903			1.201	1.114	0.8029	0.4079 0.2803 0.06933
0.258064516129032			1.196	1.1	0.7958	0.4041 0.277 0.06851
0.290322580645161			1.194	1.091	0.7947	0.401 0.275 0.06821
0.32258064516129			1.183	1.076	0.7801	0.3997 0.2724 0.06759
0.354838709677419			1.159	1.071	0.7799	0.3949 0.2719 0.06754
0.387096774193548			1.159	1.071	0.7727	0.3936 0.271 0.06733
0.419354838709677			1.146	1.069	0.772	0.3929 0.2706 0.06717
0.451612903225806			1.14	1.063	0.7719	0.3927 0.2705 0.06709
0.483870967741936			1.136	1.059	0.7706	0.3924 0.2677 0.06625
0.516129032258065			1.134	1.059	0.763	0.3923 0.2675 0.06622
0.548387096774194			1.126	1.05	0.7597	0.3909 0.2672 0.06606
0.580645161290323			1.123	1.05	0.7583	0.3907 0.2669 0.06602
0.612903225806452			1.12	1.049	0.7573	0.386 0.2638 0.06539
0.645161290322581			1.12	1.048	0.7549	0.382 0.2593 0.06411
0.67741935483871			1.12	1.045	0.752	0.3771 0.2584 0.06409
0.709677419354839			1.12	1.045	0.7505	0.3763 0.2561 0.0634
0.741935483870968			1.12	1.044	0.7492	0.3761 0.2561 0.06334
0.774193548387097			1.12	1.041	0.7445	0.371 0.2531 0.06263
0.806451612903226			1.12	1.038	0.7429	0.3695 0.2512 0.06203
0.838709677419355			1.12	1.037	0.7358	0.361 0.2451 0.06066
0.870967741935484			1.12	1.036	0.7352	0.3602 0.2448 0.06056
0.903225806451613			1.12	1.032	0.7292	0.3586 0.2442 0.06043
0.935483870967742			1.12	1.031	0.7273	0.3569 0.2432 0.06023
0.967741935483871			1.12	1.015	0.6959	0.3359 0.2285 0.05655

0.1 1.3161 1.2048 0.88431 0.43815 0.29869 0.073787

Average of yearly averages: 0.066645

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 5

Metfile: w23155.dvf

PRZM scenario: CACitrus_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	2.24	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	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		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Broccoli, Cauliflower, Chinese Cabbage, Kohlrabi

stored as run 6.out

Chemical: dimethoate

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.541	5.247	4.487	3.163	2.474	0.6756
1962	17.26	16.72	14.9	10.41	7.974	2.178
1963	7.373	6.966	5.985	4.085	3.167	0.8718
1964	4.363	4.141	3.513	2.573	2.057	0.5693
1965	3.975	3.78	3.17	2.299	1.806	0.4966
1966	6.331	6.028	5.461	4.132	3.204	0.8682
1967	3.536	3.358	2.756	2.035	1.619	0.4467
1968	6.037	5.714	4.578	3.12	2.455	0.6751
1969	13.88	13.22	11.27	7.892	6.144	1.68

1970	4.65	4.426	3.646	2.536	1.996	0.5445
1971	5.341	5.081	4.4	3.376	2.688	0.7463
1972	3.762	3.571	2.963	2.122	1.657	0.4495
1973	9.219	8.74	7.85	5.536	4.287	1.169
1974	3.832	3.645	3.31	2.455	1.963	0.5429
1975	6.67	6.338	5.602	3.929	3.099	0.8513
1976	3.552	3.377	2.98	2.315	1.873	0.5184
1977	3.553	3.369	2.834	2.084	1.646	0.4518
1978	13.02	12.34	11.24	7.397	5.661	1.526
1979	11.5	11.08	9.935	6.717	5.159	1.411
1980	13.31	12.93	10.71	7.332	5.645	1.545
1981	4.19	3.967	3.351	2.396	1.881	0.5115
1982	25.85	24.54	19.94	13.17	10.25	2.809
1983	5.263	5.018	4.574	3.359	2.637	0.7211
1984	3.958	3.751	3.128	2.272	1.785	0.483
1985	16.82	15.97	13.93	9.546	7.265	1.962
1986	14.11	13.57	11	7.104	5.462	1.498
1987	11.1	10.52	9.047	6.021	4.646	1.257
1988	5.869	5.556	4.8	3.343	2.602	0.7046
1989	5.466	5.209	4.583	3.294	2.549	0.6871
1990	10.41	9.914	8.103	5.387	4.209	1.152

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129			25.85	24.54	19.94	13.17	10.25 2.809
0.0645161290322581			17.26	16.72	14.9	10.41	7.974 2.178
0.0967741935483871			16.82	15.97	13.93	9.546	7.265 1.962
0.129032258064516			14.11	13.57	11.27	7.892	6.144 1.68
0.161290322580645			13.88	13.22	11.24	7.397	5.661 1.545
0.193548387096774			13.31	12.93	11	7.332	5.645 1.526
0.225806451612903			13.02	12.34	10.71	7.104	5.462 1.498
0.258064516129032			11.5	11.08	9.935	6.717	5.159 1.411
0.290322580645161			11.1	10.52	9.047	6.021	4.646 1.257
0.32258064516129			10.41	9.914	8.103	5.536	4.287 1.169
0.354838709677419			9.219	8.74	7.85	5.387	4.209 1.152
0.387096774193548			7.373	6.966	5.985	4.132	3.204 0.8718
0.419354838709677			6.67	6.338	5.602	4.085	3.167 0.8682
0.451612903225806			6.331	6.028	5.461	3.929	3.099 0.8513
0.483870967741936			6.037	5.714	4.8	3.376	2.688 0.7463
0.516129032258065			5.869	5.556	4.583	3.359	2.637 0.7211
0.548387096774194			5.541	5.247	4.578	3.343	2.602 0.7046
0.580645161290323			5.466	5.209	4.574	3.294	2.549 0.6871
0.612903225806452			5.341	5.081	4.487	3.163	2.474 0.6756
0.645161290322581			5.263	5.018	4.4	3.12	2.455 0.6751
0.67741935483871			4.65	4.426	3.646	2.573	2.057 0.5693
0.709677419354839			4.363	4.141	3.513	2.536	1.996 0.5445
0.741935483870968			4.19	3.967	3.351	2.455	1.963 0.5429
0.774193548387097			3.975	3.78	3.31	2.396	1.881 0.5184
0.806451612903226			3.958	3.751	3.17	2.315	1.873 0.5115
0.838709677419355			3.832	3.645	3.128	2.299	1.806 0.4966
0.870967741935484			3.762	3.571	2.98	2.272	1.785 0.483
0.903225806451613			3.553	3.377	2.963	2.122	1.657 0.4518
0.935483870967742			3.552	3.369	2.834	2.084	1.646 0.4495
0.967741935483871			3.536	3.358	2.756	2.035	1.619 0.4467

0.1 16.549 15.73 13.664 9.3806 7.1529 1.9338

Average of yearly averages: 1.00007666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 6

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	01-02	dd/mm or dd/mm 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			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Kale

stored as run 7.out

Chemical: dimethoate

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.396	1.321	1.11	0.8153	0.6473	0.1771
1962	2.901	2.759	2.258	1.585	1.257	0.3495
1963	1.541	1.456	1.16	0.8577	0.6825	0.1884

1964	1.585	1.504	1.249	0.8941	0.7242	0.2012
1965	1.384	1.316	1.072	0.8076	0.636	0.1752
1966	2.531	2.437	2.228	1.716	1.33	0.3601
1967	1.173	1.114	0.9021	0.6757	0.5409	0.1497
1968	2.415	2.286	1.832	1.19	0.9527	0.263
1969	2.746	2.618	2.392	1.828	1.429	0.3904
1970	1.469	1.389	1.131	0.7979	0.6323	0.173
1971	2.119	2.017	1.707	1.309	1.052	0.2929
1972	1.283	1.218	0.9848	0.7269	0.5692	0.1547
1973	1.928	1.828	1.625	1.272	1.011	0.2769
1974	1.369	1.302	1.185	0.8686	0.703	0.1955
1975	1.625	1.544	1.257	0.9997	0.7878	0.2164
1976	1.178	1.12	1.011	0.7786	0.6353	0.1765
1977	1.172	1.112	0.9476	0.693	0.5503	0.1515
1978	2.042	1.936	1.651	1.236	0.9545	0.2571
1979	3.111	3.037	2.505	1.742	1.361	0.3754
1980	4.903	4.7	3.984	2.605	2.012	0.5575
1981	1.25	1.183	0.9792	0.7248	0.5729	0.1563
1982	1.691	1.606	1.353	1.008	0.8063	0.2225
1983	1.816	1.729	1.61	1.194	0.9511	0.2608
1984	1.222	1.158	0.9867	0.7269	0.5754	0.1562
1985	2.068	1.964	1.784	1.353	1.071	0.2925
1986	7.749	7.422	5.947	3.805	2.862	0.7884
1987	2.039	1.932	1.644	1.213	0.9544	0.2582
1988	1.905	1.804	1.481	1.019	0.8104	0.2203
1989	1.371	1.307	1.13	0.8401	0.6617	0.179
1990	4.35	4.141	3.385	2.209	1.728	0.4736

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			7.749	7.422	5.947	3.805	2.862	0.7884
0.0645161290322581			4.903	4.7	3.984	2.605	2.012	0.5575
0.0967741935483871			4.35	4.141	3.385	2.209	1.728	0.4736
0.129032258064516			3.111	3.037	2.505	1.828	1.429	0.3904
0.161290322580645			2.901	2.759	2.392	1.742	1.361	0.3754
0.193548387096774			2.746	2.618	2.258	1.716	1.33	0.3601
0.225806451612903			2.531	2.437	2.228	1.585	1.257	0.3495
0.258064516129032			2.415	2.286	1.832	1.353	1.071	0.2929
0.290322580645161			2.119	2.017	1.784	1.309	1.052	0.2925
0.32258064516129			2.068	1.964	1.707	1.272	1.011	0.2769
0.354838709677419			2.042	1.936	1.651	1.236	0.9545	0.263
0.387096774193548			2.039	1.932	1.644	1.213	0.9544	0.2608
0.419354838709677			1.928	1.828	1.625	1.194	0.9527	0.2582
0.451612903225806			1.905	1.804	1.61	1.19	0.9511	0.2571
0.483870967741936			1.816	1.729	1.481	1.019	0.8104	0.2225
0.516129032258065			1.691	1.606	1.353	1.008	0.8063	0.2203
0.548387096774194			1.625	1.544	1.257	0.9997	0.7878	0.2164
0.580645161290323			1.585	1.504	1.249	0.8941	0.7242	0.2012
0.612903225806452			1.541	1.456	1.185	0.8686	0.703	0.1955
0.645161290322581			1.469	1.389	1.16	0.8577	0.6825	0.1884
0.67741935483871			1.396	1.321	1.131	0.8401	0.6617	0.179
0.709677419354839			1.384	1.316	1.13	0.8153	0.6473	0.1771
0.741935483870968			1.371	1.307	1.11	0.8076	0.636	0.1765
0.774193548387097			1.369	1.302	1.072	0.7979	0.6353	0.1752
0.806451612903226			1.283	1.218	1.011	0.7786	0.6323	0.173
0.838709677419355			1.25	1.183	0.9867	0.7269	0.5754	0.1563

0.870967741935484	1.222	1.158	0.9848	0.7269	0.5729	0.1562
0.903225806451613	1.178	1.12	0.9792	0.7248	0.5692	0.1547
0.935483870967742	1.173	1.114	0.9476	0.693	0.5503	0.1515
0.967741935483871	1.172	1.112	0.9021	0.6757	0.5409	0.1497

0.1	4.2261	4.0306	3.297	2.1709	1.6981	0.46528	
Average of yearly averages:							0.26966

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 7

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	01-02	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	15	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.28	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Mustard Greens

stored as run 8.out

Chemical: dimethoate

PRZM environment: CAColeCropRLF.txt modified Tuesday, 20 February 2007 at 12:06:20

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.736	2.591	2.09	1.383	1.082	0.294
1962	3.716	3.554	2.952	2.017	1.567	0.4317
1963	2.869	2.71	2.155	1.442	1.132	0.3111
1964	1.252	1.188	1.066	0.7835	0.6176	0.1691
1965	1.496	1.423	1.16	0.8288	0.6431	0.1756
1966	2.826	2.69	2.368	1.707	1.311	0.3534
1967	1.253	1.19	0.9643	0.6904	0.541	0.148
1968	1.537	1.455	1.226	0.8689	0.6807	0.1855
1969	6.819	6.536	5.662	3.838	2.976	0.8121
1970	1.788	1.702	1.399	0.9547	0.7433	0.2016
1971	1.863	1.773	1.554	1.158	0.9109	0.2501
1972	1.383	1.313	1.063	0.7473	0.5761	0.1553
1973	2.804	2.678	2.277	1.591	1.243	0.3375
1974	1.258	1.196	1.051	0.7756	0.6094	0.1668
1975	1.918	1.822	1.537	1.12	0.8736	0.2385
1976	1.257	1.195	0.9882	0.7578	0.6024	0.1651
1977	1.255	1.19	0.9765	0.6956	0.5416	0.1475
1978	3.291	3.12	2.541	1.75	1.347	0.3627
1979	6.395	6.078	4.983	3.238	2.465	0.6728
1980	2.679	2.567	2.133	1.471	1.153	0.3152
1981	1.348	1.277	1.029	0.7272	0.5634	0.1521
1982	3.563	3.383	2.745	1.889	1.477	0.4077
1983	2.199	2.083	1.77	1.227	0.9555	0.259
1984	1.449	1.373	1.158	0.8078	0.625	0.1677
1985	2.299	2.183	1.836	1.284	1.006	0.2724
1986	3.048	2.977	2.414	1.596	1.247	0.3388
1987	6.628	6.305	5.162	3.327	2.541	0.6865
1988	2.449	2.318	1.945	1.29	1.006	0.271
1989	1.476	1.407	1.168	0.8368	0.647	0.1735
1990	2.434	2.317	1.893	1.361	1.071	0.2908

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			6.819	6.536	5.662	3.838	2.976	0.8121
0.0645161290322581			6.628	6.305	5.162	3.327	2.541	0.6865
0.0967741935483871			6.395	6.078	4.983	3.238	2.465	0.6728
0.129032258064516			3.716	3.554	2.952	2.017	1.567	0.4317
0.161290322580645			3.563	3.383	2.745	1.889	1.477	0.4077
0.193548387096774			3.291	3.12	2.541	1.75	1.347	0.3627
0.225806451612903			3.048	2.977	2.414	1.707	1.311	0.3534
0.258064516129032			2.869	2.71	2.368	1.596	1.247	0.3388
0.290322580645161			2.826	2.69	2.277	1.591	1.243	0.3375
0.32258064516129			2.804	2.678	2.155	1.471	1.153	0.3152
0.354838709677419			2.736	2.591	2.133	1.442	1.132	0.3111
0.387096774193548			2.679	2.567	2.09	1.383	1.082	0.294
0.419354838709677			2.449	2.318	1.945	1.361	1.071	0.2908
0.451612903225806			2.434	2.317	1.893	1.29	1.006	0.2724
0.483870967741936			2.299	2.183	1.836	1.284	1.006	0.271
0.516129032258065			2.199	2.083	1.77	1.227	0.9555	0.259
0.548387096774194			1.918	1.822	1.554	1.158	0.9109	0.2501
0.580645161290323			1.863	1.773	1.537	1.12	0.8736	0.2385
0.612903225806452			1.788	1.702	1.399	0.9547	0.7433	0.2016
0.645161290322581			1.537	1.455	1.226	0.8689	0.6807	0.1855
0.67741935483871			1.496	1.423	1.168	0.8368	0.647	0.1756
0.709677419354839			1.476	1.407	1.16	0.8288	0.6431	0.1735

0.741935483870968	1.449	1.373	1.158	0.8078	0.625	0.1691
0.774193548387097	1.383	1.313	1.066	0.7835	0.6176	0.1677
0.806451612903226	1.348	1.277	1.063	0.7756	0.6094	0.1668
0.838709677419355	1.258	1.196	1.051	0.7578	0.6024	0.1651
0.870967741935484	1.257	1.195	1.029	0.7473	0.5761	0.1553
0.903225806451613	1.255	1.19	0.9882	0.7272	0.5634	0.1521
0.935483870967742	1.253	1.19	0.9765	0.6956	0.5416	0.148
0.967741935483871	1.252	1.188	0.9643	0.6904	0.541	0.1475

0.1	6.1271	5.8256	4.7799	3.1159	2.3752	0.64869	
Average of yearly averages:							0.297103333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 8

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	01-02	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Interval 1	interval	9	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.28	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Field Corn, Popcorn

stored as run 9.out

Chemical: dimethoate

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

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w23232.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.4	1.262	0.847	0.4337	0.3042	0.07709
1962	1.4	1.279	0.8982	0.4764	0.3362	0.08588
1963	1.4	1.281	0.9053	0.4799	0.3369	0.0858
1964	1.4	1.275	0.8841	0.4649	0.3274	0.0832
1965	1.4	1.281	0.9027	0.4784	0.3386	0.0865
1966	1.4	1.284	0.9143	0.4814	0.3381	0.08615
1967	1.4	1.267	0.8611	0.4352	0.3027	0.07662
1968	1.4	1.275	0.8868	0.4747	0.3353	0.08538
1969	1.4	1.273	0.8793	0.4504	0.3142	0.07992
1970	1.4	1.27	0.8719	0.4588	0.3223	0.08205
1971	1.4	1.273	0.8794	0.4562	0.3197	0.08143
1972	1.4	1.275	0.8841	0.4635	0.3269	0.0834
1973	1.4	1.271	0.8743	0.4627	0.3266	0.08352
1974	1.4	1.281	0.9039	0.4847	0.3424	0.08736
1975	1.4	1.271	0.8718	0.4491	0.3126	0.07914
1976	1.4	1.273	0.8789	0.4662	0.3285	0.08327
1977	1.4	1.281	0.9032	0.4843	0.3431	0.08773
1978	1.4	1.275	0.8858	0.4655	0.3277	0.08354
1979	1.4	1.273	0.8793	0.4671	0.3279	0.08345
1980	1.4	1.277	0.8926	0.4858	0.3455	0.08832
1981	1.4	1.276	0.8872	0.4687	0.3309	0.0845
1982	1.4	1.286	0.9198	0.5014	0.3563	0.09154
1983	1.4	1.283	0.9106	0.4749	0.3311	0.08399
1984	1.4	1.263	0.85	0.4388	0.3059	0.07718
1985	1.4	1.269	0.8665	0.4595	0.3254	0.08327
1986	1.4	1.276	0.8897	0.4708	0.3339	0.08553
1987	1.4	1.287	0.9223	0.4925	0.3469	0.0883
1988	1.4	1.257	0.8329	0.4274	0.2992	0.07578
1989	1.4	1.272	0.8783	0.4659	0.3295	0.08426
1990	1.4	1.268	0.8653	0.4456	0.3112	0.07899

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	1.4	1.287	0.9223	0.5014	0.3563	0.09154
0.0645161290322581	1.4	1.286	0.9198	0.4925	0.3469	0.08832
0.0967741935483871	1.4	1.284	0.9143	0.4858	0.3455	0.0883
0.129032258064516	1.4	1.283	0.9106	0.4847	0.3431	0.08773
0.161290322580645	1.4	1.281	0.9053	0.4843	0.3424	0.08736
0.193548387096774	1.4	1.281	0.9039	0.4814	0.3386	0.0865
0.225806451612903	1.4	1.281	0.9032	0.4799	0.3381	0.08615
0.258064516129032	1.4	1.281	0.9027	0.4784	0.3369	0.08588
0.290322580645161	1.4	1.279	0.8982	0.4764	0.3362	0.0858
0.32258064516129	1.4	1.277	0.8926	0.4749	0.3353	0.08553
0.354838709677419	1.4	1.276	0.8897	0.4747	0.3339	0.08538
0.387096774193548	1.4	1.276	0.8872	0.4708	0.3311	0.0845
0.419354838709677	1.4	1.275	0.8868	0.4687	0.3309	0.08426
0.451612903225806	1.4	1.275	0.8858	0.4671	0.3295	0.08399
0.483870967741936	1.4	1.275	0.8841	0.4662	0.3285	0.08354
0.516129032258065	1.4	1.275	0.8841	0.4659	0.3279	0.08352
0.548387096774194	1.4	1.273	0.8794	0.4655	0.3277	0.08345
0.580645161290323	1.4	1.273	0.8793	0.4649	0.3274	0.0834

0.612903225806452	1.4	1.273	0.8793	0.4635	0.3269	0.08327
0.645161290322581	1.4	1.273	0.8789	0.4627	0.3266	0.08327
0.67741935483871	1.4	1.272	0.8783	0.4595	0.3254	0.0832
0.709677419354839	1.4	1.271	0.8743	0.4588	0.3223	0.08205
0.741935483870968	1.4	1.271	0.8719	0.4562	0.3197	0.08143
0.774193548387097	1.4	1.27	0.8718	0.4504	0.3142	0.07992
0.806451612903226	1.4	1.269	0.8665	0.4491	0.3126	0.07914
0.838709677419355	1.4	1.268	0.8653	0.4456	0.3112	0.07899
0.870967741935484	1.4	1.267	0.8611	0.4388	0.3059	0.07718
0.903225806451613	1.4	1.263	0.85	0.4352	0.3042	0.07709
0.935483870967742	1.4	1.262	0.847	0.4337	0.3027	0.07662
0.967741935483871	1.4	1.257	0.8329	0.4274	0.2992	0.07578

0.1 1.4 1.2839 0.91393 0.48569 0.34526 0.088243

Average of yearly averages: 0.0834363333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 9

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-07	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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 run 10.out

Chemical: dimethoate

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

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.265	2.094	1.515	1.05	0.7709	0.2006
1962	2.472	2.248	1.568	1.065	0.778	0.2066
1963	2.6	2.349	1.641	1.108	0.8034	0.212
1964	2.233	2.003	1.582	1.102	0.8059	0.2129
1965	2.512	2.264	1.653	1.139	0.8421	0.2234
1966	2.196	2.035	1.457	1.008	0.7373	0.1961
1967	2.181	2.005	1.391	0.9328	0.6755	0.1778
1968	2.503	2.29	1.619	1.105	0.811	0.2137
1969	2.227	2.083	1.492	1.028	0.755	0.2017
1970	2.402	2.158	1.527	1.054	0.774	0.2053
1971	2.239	2.072	1.505	1.05	0.7747	0.2069
1972	2.457	2.204	1.584	1.1	0.8115	0.2168
1973	2.529	2.28	1.62	1.118	0.8227	0.2196
1974	2.342	2.171	1.566	1.033	0.7442	0.1963
1975	2.533	2.301	1.601	1.071	0.7847	0.2082
1976	2.569	2.356	1.701	1.156	0.8509	0.2259
1977	2.286	2.132	1.524	1.041	0.7549	0.1995
1978	2.514	2.295	1.898	1.276	0.9346	0.2454
1979	2.257	2.087	1.445	0.9353	0.6692	0.1767
1980	2.485	2.226	1.535	1.023	0.7396	0.1924
1981	2.332	2.093	1.437	0.9685	0.705	0.1855
1982	2.484	2.23	1.577	1.09	0.7966	0.2103
1983	2.137	1.924	1.376	0.908	0.6497	0.1706
1984	2.221	2.032	1.41	0.8993	0.6448	0.1672
1985	2.349	2.175	1.626	1.118	0.8201	0.2158
1986	2.27	2.074	1.503	1.054	0.7691	0.2027
1987	2.324	2.138	1.504	1.009	0.7261	0.1902
1988	2.282	2.096	1.462	0.9775	0.7041	0.1836
1989	2.382	2.194	1.566	1.074	0.7833	0.2059
1990	2.371	2.18	1.565	1.054	0.7597	0.1998

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			2.6	2.356	1.898	1.276 0.9346 0.2454
0.0645161290322581			2.569	2.349	1.701	1.156 0.8509 0.2259
0.0967741935483871			2.533	2.301	1.653	1.139 0.8421 0.2234
0.129032258064516			2.529	2.295	1.641	1.118 0.8227 0.2196
0.161290322580645			2.514	2.29	1.626	1.118 0.8201 0.2168
0.193548387096774			2.512	2.28	1.62	1.108 0.8115 0.2158
0.225806451612903			2.503	2.264	1.619	1.105 0.811 0.2137
0.258064516129032			2.485	2.248	1.601	1.102 0.8059 0.2129
0.290322580645161			2.484	2.23	1.584	1.1 0.8034 0.212
0.32258064516129			2.472	2.226	1.582	1.09 0.7966 0.2103
0.354838709677419			2.457	2.204	1.577	1.074 0.7847 0.2082
0.387096774193548			2.402	2.194	1.568	1.071 0.7833 0.2069
0.419354838709677			2.382	2.18	1.566	1.065 0.778 0.2066

0.451612903225806	2.371	2.175	1.566	1.054	0.7747	0.2059
0.483870967741936	2.349	2.171	1.565	1.054	0.774	0.2053
0.516129032258065	2.342	2.158	1.535	1.054	0.7709	0.2027
0.548387096774194	2.332	2.138	1.527	1.05	0.7691	0.2017
0.580645161290323	2.324	2.132	1.524	1.05	0.7597	0.2006
0.612903225806452	2.286	2.096	1.515	1.041	0.755	0.1998
0.645161290322581	2.282	2.094	1.505	1.033	0.7549	0.1995
0.67741935483871	2.27	2.093	1.504	1.028	0.7442	0.1963
0.709677419354839	2.265	2.087	1.503	1.023	0.7396	0.1961
0.741935483870968	2.257	2.083	1.492	1.009	0.7373	0.1924
0.774193548387097	2.239	2.074	1.462	1.008	0.7261	0.1902
0.806451612903226	2.233	2.072	1.457	0.9775	0.705	0.1855
0.838709677419355	2.227	2.035	1.445	0.9685	0.7041	0.1836
0.870967741935484	2.221	2.032	1.437	0.9353	0.6755	0.1778
0.903225806451613	2.196	2.005	1.41	0.9328	0.6692	0.1767
0.935483870967742	2.181	2.003	1.391	0.908	0.6497	0.1706
0.967741935483871	2.137	1.924	1.376	0.8993	0.6448	0.1672

0.1	2.5326	2.3004	1.6518	1.1369	0.84016	0.22302	
					Average of yearly averages:		0.202313333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 10

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vap		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-08	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	0.56	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		

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)

Conifer seed orchards

stored as run 11.out

Chemical: dimethoate

PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 12:06:10

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

Metfile: w24283.dvf modified Wedday, 3 July 2002 at 09:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.8	2.669	2.24	1.551	1.203	0.3334
1962	6.014	5.755	4.799	3.337	2.61	0.726
1963	2.801	2.677	2.223	1.451	1.107	0.3012
1964	4.741	4.624	3.894	2.743	2.151	0.6017
1965	2.801	2.671	2.416	1.706	1.328	0.3687
1966	2.8	2.673	2.251	1.57	1.223	0.3391
1967	3.755	3.628	3.063	2.185	1.704	0.4737
1968	2.8	2.674	2.229	1.475	1.128	0.3074
1969	4.789	4.584	3.931	2.783	2.172	0.6001
1970	2.84	2.738	2.478	1.689	1.305	0.3616
1971	7.391	7.079	5.956	4.127	3.224	0.9023
1972	5.73	5.525	4.638	3.23	2.514	0.6924
1973	5.876	5.731	4.829	3.306	2.57	0.7099
1974	20.51	19.88	16.71	11.51	8.931	2.476
1975	2.802	2.679	2.252	1.557	1.207	0.3352
1976	2.8	2.674	2.214	1.502	1.165	0.3222
1977	2.8	2.673	2.212	1.483	1.145	0.3157
1978	4.592	4.437	3.631	2.419	1.852	0.5052
1979	2.8	2.681	2.245	1.549	1.208	0.3373
1980	2.885	2.785	2.346	1.578	1.22	0.3358
1981	6.065	5.786	4.763	3.346	2.638	0.7343
1982	2.8	2.683	2.313	1.594	1.239	0.3443
1983	4.246	4.094	3.399	2.328	1.787	0.4892
1984	2.8	2.675	2.217	1.5	1.155	0.3161
1985	2.8	2.674	2.216	1.545	1.208	0.3367
1986	10.05	9.545	7.762	5.13	3.936	1.082
1987	2.801	2.673	2.231	1.51	1.161	0.3186
1988	3.264	3.152	2.624	1.783	1.384	0.3824
1989	3.409	3.266	2.829	2.066	1.615	0.4472
1990	2.8	2.674	2.218	1.528	1.187	0.3279

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			20.51	19.88	16.71	11.51 8.931 2.476
0.0645161290322581			10.05	9.545	7.762	5.13 3.936 1.082
0.0967741935483871			7.391	7.079	5.956	4.127 3.224 0.9023
0.129032258064516			6.065	5.786	4.829	3.346 2.638 0.7343
0.161290322580645			6.014	5.755	4.799	3.337 2.61 0.726
0.193548387096774			5.876	5.731	4.763	3.306 2.57 0.7099
0.225806451612903			5.73	5.525	4.638	3.23 2.514 0.6924
0.258064516129032			4.789	4.624	3.931	2.783 2.172 0.6017
0.290322580645161			4.741	4.584	3.894	2.743 2.151 0.6001

0.32258064516129	4.592	4.437	3.631	2.419	1.852	0.5052
0.354838709677419	4.246	4.094	3.399	2.328	1.787	0.4892
0.387096774193548	3.755	3.628	3.063	2.185	1.704	0.4737
0.419354838709677	3.409	3.266	2.829	2.066	1.615	0.4472
0.451612903225806	3.264	3.152	2.624	1.783	1.384	0.3824
0.483870967741936	2.885	2.785	2.478	1.706	1.328	0.3687
0.516129032258065	2.84	2.738	2.416	1.689	1.305	0.3616
0.548387096774194	2.802	2.683	2.346	1.594	1.239	0.3443
0.580645161290323	2.801	2.681	2.313	1.578	1.223	0.3391
0.612903225806452	2.801	2.679	2.252	1.57	1.22	0.3373
0.645161290322581	2.801	2.677	2.251	1.557	1.208	0.3367
0.67741935483871	2.8	2.675	2.245	1.551	1.208	0.3358
0.709677419354839	2.8	2.674	2.24	1.549	1.207	0.3352
0.741935483870968	2.8	2.674	2.231	1.545	1.203	0.3334
0.774193548387097	2.8	2.674	2.229	1.528	1.187	0.3279
0.806451612903226	2.8	2.674	2.223	1.51	1.165	0.3222
0.838709677419355	2.8	2.673	2.218	1.502	1.161	0.3186
0.870967741935484	2.8	2.673	2.217	1.5	1.155	0.3161
0.903225806451613	2.8	2.673	2.216	1.483	1.145	0.3157
0.935483870967742	2.8	2.671	2.214	1.475	1.128	0.3074
0.967741935483871	2.8	2.669	2.212	1.451	1.107	0.3012

0.1 7.2584 6.9497 5.8433 4.0489 3.1654 0.8855

Average of yearly averages:

0.53745333333334

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 11

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	1.12	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			

IPSCND1
 UPTKF
 Record 18: PLVKRT
 PLDKRT 0.24
 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)

Cottonwood (for pulp)

stored as run 12.out
 Chemical: dimethoate
 PRZM environment: CAForestryRLF.txt modified Tuesday, 20 February 2007 at 11:06:10
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30
 Metfile: w24283.dvf modified Wedday, 3 July 2002 at 08:04:24
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	15.63	15.03	12.37	8.436	6.706	1.927
1962	10.02	9.586	8.35	6.191	4.925	1.39
1963	7.223	6.968	5.708	4.087	3.23	0.8987
1964	11.57	11.05	9.302	6.911	5.584	1.603
1965	9.676	9.231	7.953	5.762	4.589	1.301
1966	14.16	13.52	11.22	7.771	6.195	1.775
1967	9.872	9.545	8.012	5.855	4.675	1.325
1968	7.65	7.302	5.913	4.269	3.382	0.9436
1969	11.01	10.53	9.042	6.746	5.39	1.518
1970	16.34	15.52	13.87	9.627	7.495	2.126
1971	10.73	10.27	8.997	6.904	5.519	1.568
1972	31.11	29.76	26.27	17.9	13.77	3.808
1973	9.747	9.301	8.036	6.033	4.81	1.35
1974	20.74	19.89	19.2	14.33	11.24	3.14
1975	10.85	10.42	8.626	6.152	4.931	1.414
1976	7.199	6.873	5.68	4.238	3.413	0.9669
1977	7.197	6.87	5.657	4.157	3.326	0.9389
1978	8.854	8.435	7.428	5.638	4.479	1.25
1979	7.264	6.954	5.825	4.372	3.539	1.014
1980	7.354	7.033	5.813	4.273	3.421	0.9638
1981	44.02	42.04	36.25	24.97	19.35	5.364
1982	7.594	7.274	6.044	4.48	3.61	1.027
1983	10.63	10.12	8.543	6.132	4.84	1.352
1984	7.207	6.883	5.685	4.223	3.37	0.9439
1985	7.73	7.394	6.664	5.138	4.195	1.21
1986	13.42	12.86	11.56	8.552	6.676	1.859
1987	8.838	8.413	7.207	5.221	4.186	1.183
1988	7.565	7.217	6.023	4.505	3.619	1.022
1989	8.072	7.732	6.54	4.894	3.931	1.108
1990	7.256	7.043	5.945	4.43	3.574	1.011

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			44.02	42.04	36.25	24.97
0.0645161290322581			31.11	29.76	26.27	17.9
0.0967741935483871			20.74	19.89	19.2	14.33
0.129032258064516			16.34	15.52	13.87	9.627
0.161290322580645			15.63	15.03	12.37	8.552
						6.706
						1.927
						5.364
						3.808
						3.14
						2.126
						1.022
						1.108
						1.011

0.193548387096774	14.16	13.52	11.56	8.436	6.676	1.859
0.225806451612903	13.42	12.86	11.22	7.771	6.195	1.775
0.258064516129032	11.57	11.05	9.302	6.911	5.584	1.603
0.290322580645161	11.01	10.53	9.042	6.904	5.519	1.568
0.32258064516129	10.85	10.42	8.997	6.746	5.39	1.518
0.354838709677419	10.73	10.27	8.626	6.191	4.931	1.414
0.387096774193548	10.63	10.12	8.543	6.152	4.925	1.39
0.419354838709677	10.02	9.586	8.35	6.132	4.84	1.352
0.451612903225806	9.872	9.545	8.036	6.033	4.81	1.35
0.483870967741936	9.747	9.301	8.012	5.855	4.675	1.325
0.516129032258065	9.676	9.231	7.953	5.762	4.589	1.301
0.548387096774194	8.854	8.435	7.428	5.638	4.479	1.25
0.580645161290323	8.838	8.413	7.207	5.221	4.195	1.21
0.612903225806452	8.072	7.732	6.664	5.138	4.186	1.183
0.645161290322581	7.73	7.394	6.54	4.894	3.931	1.108
0.67741935483871	7.65	7.302	6.044	4.505	3.619	1.027
0.709677419354839	7.594	7.274	6.023	4.48	3.61	1.022
0.741935483870968	7.565	7.217	5.945	4.43	3.574	1.014
0.774193548387097	7.354	7.043	5.913	4.372	3.539	1.011
0.806451612903226	7.264	7.033	5.825	4.273	3.421	0.9669
0.838709677419355	7.256	6.968	5.813	4.269	3.413	0.9638
0.870967741935484	7.223	6.954	5.708	4.238	3.382	0.9439
0.903225806451613	7.207	6.883	5.685	4.223	3.37	0.9436
0.935483870967742	7.199	6.873	5.68	4.157	3.326	0.9389
0.967741935483871	7.197	6.87	5.657	4.087	3.23	0.8987

0.1 20.3 19.453 18.667 13.8597 10.8655 3.0386

Average of yearly averages:

1.57669333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 12

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	1.12	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	

Application Date Date 15-01 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 1.12 kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.12 kg/ha
 Record 17: FILTRA
 IPSCND1
 UPTKF
 Record 18: PLVKRT
 PLDKRT 0.24
 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)

Pears

stored as run 13.out

Chemical: dimethoate

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

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.4	1.255	0.8221	0.3894	0.2657	0.06608
1962	1.413	1.277	0.8616	0.4173	0.2859	0.0712
1963	1.4	1.277	0.8891	0.4451	0.3066	0.07645
1964	1.4	1.274	0.8769	0.427	0.2926	0.07273
1965	1.4	1.282	0.9029	0.4489	0.3084	0.07703
1966	1.4	1.262	0.8456	0.4149	0.2841	0.07078
1967	1.4	1.273	0.8743	0.4147	0.282	0.06998
1968	1.4	1.258	0.8298	0.3947	0.2704	0.06719
1969	1.4	1.279	0.8921	0.4364	0.2991	0.0745
1970	1.4	1.264	0.8464	0.4004	0.2732	0.06798
1971	1.4	1.27	0.8666	0.4165	0.2844	0.07079
1972	1.4	1.259	0.8341	0.3993	0.2729	0.06779
1973	1.4	1.255	0.8231	0.3956	0.271	0.06755
1974	1.4	1.259	0.8348	0.4007	0.2741	0.06815
1975	1.4	1.269	0.8642	0.4284	0.2953	0.07371
1976	1.4	1.275	0.8831	0.4373	0.3026	0.07557
1977	1.4	1.249	0.807	0.3804	0.2594	0.0645
1978	1.4	1.263	0.8442	0.401	0.2733	0.06792
1979	1.4	1.256	0.8261	0.3922	0.2677	0.06646
1980	1.4	1.275	0.8783	0.4178	0.2848	0.07056
1981	1.4	1.236	0.7711	0.3525	0.2392	0.05934
1982	1.4	1.278	0.8889	0.4347	0.2976	0.07412
1983	1.4	1.264	0.8489	0.4161	0.2845	0.07068
1984	1.4	1.259	0.8302	0.3785	0.2563	0.06329
1985	1.434	1.269	0.7955	0.3608	0.2449	0.06079
1986	1.4	1.25	0.8087	0.3811	0.259	0.06432
1987	1.4	1.255	0.824	0.4076	0.2799	0.06968
1988	1.4	1.267	0.8543	0.3965	0.2694	0.06667
1989	1.4	1.261	0.8398	0.3978	0.2715	0.06752
1990	1.4	1.262	0.8412	0.3944	0.2685	0.06668

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			1.434	1.282	0.9029	0.4489	0.3084	0.07703
0.0645161290322581			1.413	1.279	0.8921	0.4451	0.3066	0.07645
0.0967741935483871			1.4	1.278	0.8891	0.4373	0.3026	0.07557
0.129032258064516			1.4	1.277	0.8889	0.4364	0.2991	0.0745
0.161290322580645			1.4	1.277	0.8831	0.4347	0.2976	0.07412
0.193548387096774			1.4	1.275	0.8783	0.4284	0.2953	0.07371
0.225806451612903			1.4	1.275	0.8769	0.427	0.2926	0.07273
0.258064516129032			1.4	1.274	0.8743	0.4178	0.2859	0.0712
0.290322580645161			1.4	1.273	0.8666	0.4173	0.2848	0.07079
0.32258064516129			1.4	1.27	0.8642	0.4165	0.2845	0.07078
0.354838709677419			1.4	1.269	0.8616	0.4161	0.2844	0.07068
0.387096774193548			1.4	1.269	0.8543	0.4149	0.2841	0.07056
0.419354838709677			1.4	1.267	0.8489	0.4147	0.282	0.06998
0.451612903225806			1.4	1.264	0.8464	0.4076	0.2799	0.06968
0.483870967741936			1.4	1.264	0.8456	0.401	0.2741	0.06815
0.516129032258065			1.4	1.263	0.8442	0.4007	0.2733	0.06798
0.548387096774194			1.4	1.262	0.8412	0.4004	0.2732	0.06792
0.580645161290323			1.4	1.262	0.8398	0.3993	0.2729	0.06779
0.612903225806452			1.4	1.261	0.8348	0.3978	0.2715	0.06755
0.645161290322581			1.4	1.259	0.8341	0.3965	0.271	0.06752
0.67741935483871			1.4	1.259	0.8302	0.3956	0.2704	0.06719
0.709677419354839			1.4	1.259	0.8298	0.3947	0.2694	0.06668
0.741935483870968			1.4	1.258	0.8261	0.3944	0.2685	0.06667
0.774193548387097			1.4	1.256	0.824	0.3922	0.2677	0.06646
0.806451612903226			1.4	1.255	0.8231	0.3894	0.2657	0.06608
0.838709677419355			1.4	1.255	0.8221	0.3811	0.2594	0.0645
0.870967741935484			1.4	1.255	0.8087	0.3804	0.259	0.06432
0.903225806451613			1.4	1.25	0.807	0.3785	0.2563	0.06329
0.935483870967742			1.4	1.249	0.7955	0.3608	0.2449	0.06079
0.967741935483871			1.4	1.236	0.7711	0.3525	0.2392	0.05934

0.1 1.4 1.2779 0.88908 0.43721 0.30225 0.075463

Average of yearly averages:

0.0690003333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 13

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life

Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-06	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval		days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Brussels Sprouts

stored as run 14.out

Chemical: dimethoate

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 13:38:22

EXAMS environment: pond298.exv modified Thursday, 29 August 2002 at 15:33:30

Metfile: w23273.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	2.021	1.893	1.63	1.271	1.018	0.2817
1962	2.073	1.95	1.685	1.328	1.093	0.3163
1963	1.989	1.855	1.609	1.284	1.077	0.3157
1964	2.085	1.961	1.695	1.327	1.125	0.341
1965	2.068	1.943	1.677	1.309	1.046	0.3038
1966	2.067	1.94	1.675	1.31	1.05	0.2995
1967	2.055	1.927	1.665	1.3	1.04	0.2937
1968	2.952	2.823	2.219	1.701	1.534	0.4667
1969	2.085	1.961	1.695	1.326	1.066	0.3235
1970	2.085	1.959	1.693	1.331	1.073	0.305
1971	2.065	1.939	1.673	1.315	1.063	0.3057
1972	2.071	1.946	1.68	1.413	1.213	0.3603
1973	2.083	1.958	1.692	1.326	1.066	0.3123
1974	2.088	1.965	1.699	1.332	1.103	0.3257
1975	2.09	1.967	1.701	1.343	1.094	0.3177
1976	37.54	35.96	30.02	23.7	19.72	5.362
1977	2.036	1.918	1.647	1.286	1.031	0.486
1978	52.21	48.83	37.91	23.16	17.26	4.524
1979	2.791	2.611	2.017	1.679	1.416	0.5858
1980	2.038	1.911	1.648	1.288	1.035	0.303
1981	2.027	1.898	1.637	1.28	1.045	0.3026
1982	2.045	1.909	1.671	1.307	1.049	0.3018
1983	6.141	5.857	4.452	2.774	2.321	0.6811
1984	1.848	1.702	1.485	1.138	0.9196	0.2914
1985	2.006	1.875	1.62	1.259	1.024	0.2964
1986	9.555	8.979	7.005	4.354	3.429	0.9807

1987	2.044	1.917	1.653	1.286	1.031	0.3491
1988	2.043	1.918	1.652	1.291	1.036	0.295
1989	2.06	1.934	1.714	1.425	1.17	0.3358
1990	3.438	3.213	2.465	1.813	1.486	0.4302

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129			52.21	48.83	37.91	23.7	19.72 5.362
0.0645161290322581			37.54	35.96	30.02	23.16	17.26 4.524
0.0967741935483871			9.555	8.979	7.005	4.354	3.429 0.9807
0.129032258064516			6.141	5.857	4.452	2.774	2.321 0.6811
0.161290322580645			3.438	3.213	2.465	1.813	1.534 0.5858
0.193548387096774			2.952	2.823	2.219	1.701	1.486 0.486
0.225806451612903			2.791	2.611	2.017	1.679	1.416 0.4667
0.258064516129032			2.09	1.967	1.714	1.425	1.213 0.4302
0.290322580645161			2.088	1.965	1.701	1.413	1.17 0.3603
0.32258064516129			2.085	1.961	1.699	1.343	1.125 0.3491
0.354838709677419			2.085	1.961	1.695	1.332	1.103 0.341
0.387096774193548			2.085	1.959	1.695	1.331	1.094 0.3358
0.419354838709677			2.083	1.958	1.693	1.328	1.093 0.3257
0.451612903225806			2.073	1.95	1.692	1.327	1.077 0.3235
0.483870967741936			2.071	1.946	1.685	1.326	1.073 0.3177
0.516129032258065			2.068	1.943	1.68	1.326	1.066 0.3163
0.548387096774194			2.067	1.94	1.677	1.315	1.066 0.3157
0.580645161290323			2.065	1.939	1.675	1.31	1.063 0.3123
0.612903225806452			2.06	1.934	1.673	1.309	1.05 0.3057
0.645161290322581			2.055	1.927	1.671	1.307	1.049 0.305
0.67741935483871			2.045	1.918	1.665	1.3	1.046 0.3038
0.709677419354839			2.044	1.918	1.653	1.291	1.045 0.303
0.741935483870968			2.043	1.917	1.652	1.288	1.04 0.3026
0.774193548387097			2.038	1.911	1.648	1.286	1.036 0.3018
0.806451612903226			2.036	1.909	1.647	1.286	1.035 0.2995
0.838709677419355			2.027	1.898	1.637	1.284	1.031 0.2964
0.870967741935484			2.021	1.893	1.63	1.28	1.031 0.295
0.903225806451613			2.006	1.875	1.62	1.271	1.024 0.2937
0.935483870967742			1.989	1.855	1.609	1.259	1.018 0.2914
0.967741935483871			1.848	1.702	1.485	1.138	0.9196 0.2817

0.1	9.2136	8.6668	6.7497	4.196	3.3182	0.95074
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Average of yearly averages:

0.6797833333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 14

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m^3/mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	

Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	1.12	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	12-08	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	1.12	kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate	1.12	kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate	1.12	kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate	1.12	kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate	1.12	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Endive (escarole), lettuce, Swiss chard

stored as run 15.out

Chemical: dimethoate

PRZM environment: CAlettuceSTD.txt modified Tuesday, 21 February 2006 at 14:38:22

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

Metfile: w23273.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.894	1.795	1.477	1.281	0.9958	0.2455
1962	1.717	1.615	1.316	0.9365	0.7	0.2439
1963	2.791	2.616	2.36	1.813	1.353	0.3648
1964	6.179	5.832	4.913	3.274	2.378	0.6495
1965	1.7	1.594	1.335	1.068	0.8188	0.3231
1966	3.04	2.87	2.279	1.632	1.232	0.3477
1967	1.708	1.604	1.302	0.9709	0.7348	0.2495
1968	3.372	3.167	2.518	1.675	1.248	0.3411
1969	3.201	3.049	2.428	1.679	1.258	0.3682
1970	1.731	1.633	1.338	1.011	0.7735	0.2525
1971	1.74	1.644	1.347	0.9873	0.7453	0.2245
1972	2.136	2.041	1.819	1.389	1.055	0.2955
1973	1.754	1.662	1.495	1.223	0.9353	0.2899
1974	4.437	4.18	3.381	2.262	1.683	0.4675

1975	1.729	1.629	1.327	0.9428	0.7042	0.2655
1976	1.709	1.605	1.3	0.9075	0.6736	0.1952
1977	1.716	1.614	1.305	0.9046	0.6692	0.1921
1978	1.723	1.623	1.475	1.168	0.8949	0.2454
1979	1.871	1.756	1.47	1.056	0.7916	0.245
1980	1.721	1.62	1.324	0.9678	0.7362	0.2153
1981	3.381	3.187	2.565	1.699	1.265	0.3478
1982	5.757	5.412	4.552	3.083	2.26	0.6209
1983	3.907	3.687	2.941	1.947	1.448	0.4796
1984	1.888	1.787	1.585	1.278	0.9836	0.3167
1985	2.758	2.633	2.165	1.685	1.28	0.3726
1986	1.716	1.615	1.327	1.108	0.8548	0.2836
1987	7.487	7.222	5.923	3.864	2.786	0.7397
1988	1.715	1.613	1.317	0.9456	0.7117	0.3311
1989	1.702	1.597	1.297	0.9265	0.6942	0.207
1990	1.704	1.6	1.304	0.9302	0.6997	0.2047

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			7.487	7.222	5.923	3.864	2.786	0.7397
0.0645161290322581			6.179	5.832	4.913	3.274	2.378	0.6495
0.0967741935483871			5.757	5.412	4.552	3.083	2.26	0.6209
0.129032258064516			4.437	4.18	3.381	2.262	1.683	0.4796
0.161290322580645			3.907	3.687	2.941	1.947	1.448	0.4675
0.193548387096774			3.381	3.187	2.565	1.813	1.353	0.3726
0.225806451612903			3.372	3.167	2.518	1.699	1.28	0.3682
0.258064516129032			3.201	3.049	2.428	1.685	1.265	0.3648
0.290322580645161			3.04	2.87	2.36	1.679	1.258	0.3478
0.32258064516129			2.791	2.633	2.279	1.675	1.248	0.3477
0.354838709677419			2.758	2.616	2.165	1.632	1.232	0.3411
0.387096774193548			2.136	2.041	1.819	1.389	1.055	0.3311
0.419354838709677			1.894	1.795	1.585	1.281	0.9958	0.3231
0.451612903225806			1.888	1.787	1.495	1.278	0.9836	0.3167
0.483870967741936			1.871	1.756	1.477	1.223	0.9353	0.2955
0.516129032258065			1.754	1.662	1.475	1.168	0.8949	0.2899
0.548387096774194			1.74	1.644	1.47	1.108	0.8548	0.2836
0.580645161290323			1.731	1.633	1.347	1.068	0.8188	0.2655
0.612903225806452			1.729	1.629	1.338	1.056	0.7916	0.2525
0.645161290322581			1.723	1.623	1.335	1.011	0.7735	0.2495
0.67741935483871			1.721	1.62	1.327	0.9873	0.7453	0.2455
0.709677419354839			1.717	1.615	1.327	0.9709	0.7362	0.2454
0.741935483870968			1.716	1.615	1.324	0.9678	0.7348	0.245
0.774193548387097			1.716	1.614	1.317	0.9456	0.7117	0.2439
0.806451612903226			1.715	1.613	1.316	0.9428	0.7042	0.2245
0.838709677419355			1.709	1.605	1.305	0.9365	0.7	0.2153
0.870967741935484			1.708	1.604	1.304	0.9302	0.6997	0.207
0.903225806451613			1.704	1.6	1.302	0.9265	0.6942	0.2047
0.935483870967742			1.702	1.597	1.3	0.9075	0.6736	0.1952
0.967741935483871			1.7	1.594	1.297	0.9046	0.6692	0.1921

0.1	5.625	5.2888	4.4349	3.0009	2.2023	0.60677
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Average of yearly averages:

0.330846666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 15

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-10	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.28	kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.28	kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Melons

stored as run 16.out

Chemical: dimethoate

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007 at 12:05:32

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.301	2.036	1.398	0.7255	0.5002	0.1252
1962	2.32	2.064	1.428	0.7565	0.5234	0.1313
1963	2.35	2.11	1.478	0.8072	0.5603	0.1406
1964	2.323	2.066	1.427	0.7543	0.5224	0.1309
1965	2.336	2.089	1.454	0.7813	0.5426	0.1366
1966	2.342	2.097	1.465	0.786	0.5425	0.1361
1967	2.283	2.008	1.368	0.6923	0.4737	0.1182
1968	2.309	2.042	1.402	0.7372	0.5117	0.1282

1969	2.318	2.06	1.424	0.7528	0.5202	0.1306
1970	2.289	2.017	1.378	0.7083	0.4884	0.1225
1971	2.307	2.043	1.403	0.729	0.5024	0.126
1972	2.316	2.054	1.417	0.7426	0.5128	0.1284
1973	2.322	2.066	1.431	0.7605	0.5269	0.1325
1974	2.316	2.056	1.42	0.748	0.516	0.1291
1975	2.354	2.113	1.478	0.8091	0.5633	0.1417
1976	2.336	2.087	1.453	0.7969	0.5596	0.1411
1977	2.339	2.08	1.424	0.7396	0.5093	0.1275
1978	2.3	2.03	1.391	0.7164	0.4928	0.1232
1979	2.303	2.038	1.4	0.7285	0.5009	0.125
1980	2.283	2.008	1.369	0.6992	0.4808	0.1197
1981	2.273	1.994	1.353	0.68	0.4655	0.1162
1982	2.319	2.061	1.426	0.7521	0.5196	0.1303
1983	2.341	2.094	1.461	0.7794	0.5356	0.1336
1984	2.239	1.943	1.3	0.6344	0.4322	0.1072
1985	2.256	1.967	1.325	0.6598	0.4531	0.1133
1986	2.303	2.038	1.4	0.7176	0.4916	0.1228
1987	2.364	2.13	1.5	0.8226	0.5691	0.1424
1988	2.257	1.969	1.327	0.6611	0.4531	0.1127
1989	2.294	2.024	1.385	0.7158	0.4936	0.1236
1990	2.279	2.002	1.362	0.6916	0.4751	0.1187

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			2.364	2.13	1.5	0.8226	0.5691	0.1424
0.0645161290322581			2.354	2.113	1.478	0.8091	0.5633	0.1417
0.0967741935483871			2.35	2.11	1.478	0.8072	0.5603	0.1411
0.129032258064516			2.342	2.097	1.465	0.7969	0.5596	0.1406
0.161290322580645			2.341	2.094	1.461	0.786	0.5426	0.1366
0.193548387096774			2.339	2.089	1.454	0.7813	0.5425	0.1361
0.225806451612903			2.336	2.087	1.453	0.7794	0.5356	0.1336
0.258064516129032			2.336	2.08	1.431	0.7605	0.5269	0.1325
0.290322580645161			2.323	2.066	1.428	0.7565	0.5234	0.1313
0.32258064516129			2.322	2.066	1.427	0.7543	0.5224	0.1309
0.354838709677419			2.32	2.064	1.426	0.7528	0.5202	0.1306
0.387096774193548			2.319	2.061	1.424	0.7521	0.5196	0.1303
0.419354838709677			2.318	2.06	1.424	0.748	0.516	0.1291
0.451612903225806			2.316	2.056	1.42	0.7426	0.5128	0.1284
0.483870967741936			2.316	2.054	1.417	0.7396	0.5117	0.1282
0.516129032258065			2.309	2.043	1.403	0.7372	0.5093	0.1275
0.548387096774194			2.307	2.042	1.402	0.729	0.5024	0.126
0.580645161290323			2.303	2.038	1.4	0.7285	0.5009	0.1252
0.612903225806452			2.303	2.038	1.4	0.7255	0.5002	0.125
0.645161290322581			2.301	2.036	1.398	0.7176	0.4936	0.1236
0.67741935483871			2.3	2.03	1.391	0.7164	0.4928	0.1232
0.709677419354839			2.294	2.024	1.385	0.7158	0.4916	0.1228
0.741935483870968			2.289	2.017	1.378	0.7083	0.4884	0.1225
0.774193548387097			2.283	2.008	1.369	0.6992	0.4808	0.1197
0.806451612903226			2.283	2.008	1.368	0.6923	0.4751	0.1187
0.838709677419355			2.279	2.002	1.362	0.6916	0.4737	0.1182
0.870967741935484			2.273	1.994	1.353	0.68	0.4655	0.1162
0.903225806451613			2.257	1.969	1.327	0.6611	0.4531	0.1133
0.935483870967742			2.256	1.967	1.325	0.6598	0.4531	0.1127
0.967741935483871			2.239	1.943	1.3	0.6344	0.4322	0.1072

0.1 2.3492 2.1087 1.4767 0.80617 0.56023 0.14105
Average of yearly averages: 0.127173333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 16

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	01-07	dd/mm or dd/mm 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	

Record 17: FILTRA

IPSCND1

UPTKF

Record 18: PLVKRT

PLDKRT 0.24

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)

Herbaceous ornamentals

stored as run 17.out

Chemical: dimethoate

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

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

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.14	0.1284	0.09155	0.0504	0.03599	0.009157
1962	0.14	0.129	0.09338	0.05247	0.03778	0.00975
1963	0.14	0.1285	0.09458	0.06758	0.04908	0.01267

1964	0.14	0.129	0.09341	0.05259	0.03765	0.009719
1965	0.14	0.1286	0.0921	0.05104	0.03632	0.009326
1966	0.14	0.1282	0.09071	0.04954	0.03552	0.009129
1967	0.14	0.128	0.09008	0.04831	0.03419	0.008734
1968	0.14	0.1283	0.09102	0.04928	0.03507	0.008944
1969	0.14	0.1282	0.09082	0.04975	0.0355	0.009089
1970	0.14	0.1282	0.09074	0.04952	0.03531	0.009049
1971	0.14	0.1273	0.08794	0.04676	0.03335	0.00858
1972	0.14	0.1282	0.09099	0.05018	0.03591	0.009211
1973	0.14	0.1289	0.09315	0.0518	0.03705	0.009519
1974	0.14	0.1289	0.09318	0.05133	0.03664	0.009402
1975	0.14	0.1292	0.09392	0.05141	0.03665	0.009407
1976	0.14	0.1282	0.09079	0.05524	0.03958	0.01008
1977	3.248	3.054	2.172	1.168	0.8276	0.2094
1978	0.14	0.1281	0.09037	0.04824	0.03397	0.009902
1979	0.14	0.1278	0.0895	0.04656	0.03274	0.008327
1980	0.14	0.1277	0.08935	0.04849	0.0345	0.00877
1981	0.14	0.1272	0.08759	0.04612	0.03259	0.0083
1982	0.14	0.1278	0.08958	0.04755	0.03348	0.008508
1983	0.14	0.1264	0.08524	0.04328	0.03015	0.007618
1984	0.14	0.1267	0.08608	0.04313	0.03008	0.007579
1985	0.14	0.1282	0.09087	0.04963	0.03531	0.009017
1986	0.14	0.1285	0.09202	0.05263	0.03821	0.009848
1987	0.14	0.129	0.09354	0.0529	0.03798	0.009779
1988	0.14	0.1287	0.09256	0.05099	0.03642	0.009343
1989	0.14	0.1287	0.09251	0.0509	0.03634	0.009324
1990	0.14	0.1285	0.09164	0.04955	0.03511	0.00897

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			3.248	3.054	2.172	1.168 0.8276 0.2094
0.0645161290322581			0.14	0.1292	0.09458	0.06758 0.04908 0.01267
0.0967741935483871			0.14	0.129	0.09392	0.05524 0.03958 0.01008
0.129032258064516			0.14	0.129	0.09354	0.0529 0.03821 0.009902
0.161290322580645			0.14	0.129	0.09341	0.05263 0.03798 0.009848
0.193548387096774			0.14	0.1289	0.09338	0.05259 0.03778 0.009779
0.225806451612903			0.14	0.1289	0.09318	0.05247 0.03765 0.00975
0.258064516129032			0.14	0.1287	0.09315	0.0518 0.03705 0.009719
0.290322580645161			0.14	0.1287	0.09256	0.05141 0.03665 0.009519
0.32258064516129			0.14	0.1286	0.09251	0.05133 0.03664 0.009407
0.354838709677419			0.14	0.1285	0.0921	0.05104 0.03642 0.009402
0.387096774193548			0.14	0.1285	0.09202	0.05099 0.03634 0.009343
0.419354838709677			0.14	0.1285	0.09164	0.0509 0.03632 0.009326
0.451612903225806			0.14	0.1284	0.09155	0.0504 0.03599 0.009324
0.483870967741936			0.14	0.1283	0.09102	0.05018 0.03591 0.009211
0.516129032258065			0.14	0.1282	0.09099	0.04975 0.03552 0.009157
0.548387096774194			0.14	0.1282	0.09087	0.04963 0.0355 0.009129
0.580645161290323			0.14	0.1282	0.09082	0.04955 0.03531 0.009089
0.612903225806452			0.14	0.1282	0.09079	0.04954 0.03531 0.009049
0.645161290322581			0.14	0.1282	0.09074	0.04952 0.03511 0.009017
0.67741935483871			0.14	0.1282	0.09071	0.04928 0.03507 0.00897
0.709677419354839			0.14	0.1281	0.09037	0.04849 0.0345 0.008944
0.741935483870968			0.14	0.128	0.09008	0.04831 0.03419 0.00877
0.774193548387097			0.14	0.1278	0.08958	0.04824 0.03397 0.008734
0.806451612903226			0.14	0.1278	0.0895	0.04755 0.03348 0.00858
0.838709677419355			0.14	0.1277	0.08935	0.04676 0.03335 0.008508

0.870967741935484	0.14	0.1273	0.08794	0.04656	0.03274	0.008327
0.903225806451613	0.14	0.1272	0.08759	0.04612	0.03259	0.0083
0.935483870967742	0.14	0.1267	0.08608	0.04328	0.03015	0.007618
0.967741935483871	0.14	0.1264	0.08524	0.04313	0.03008	0.007579
0.1	0.14	0.129	0.093882	0.055006	0.039443	0.0100622
Average of yearly averages:						0.0158817

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 17

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	15-08	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Potatoes

stored as run 18.out

Chemical: dimethoate

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.524	2.254	1.578	0.8148	0.5549	0.1375
1962	2.555	2.32	1.654	0.8988	0.6165	0.1531
1963	2.841	2.609	1.859	1.062	0.7361	0.1832
1964	2.604	2.426	1.732	0.9636	0.6613	0.1637
1965	2.631	2.44	1.785	1.04	0.719	0.1789
1966	2.533	2.31	1.654	0.9115	0.6279	0.1559
1967	2.623	2.38	1.809	1.034	0.7073	0.1752
1968	2.504	2.286	1.607	0.8409	0.5728	0.1416
1969	2.665	2.415	1.704	0.9373	0.6399	0.1584
1970	2.631	2.428	1.692	0.8944	0.6076	0.1503
1971	3.446	3.093	2.296	1.208	0.8224	0.2036
1972	3.158	2.818	1.967	1.072	0.7335	0.1814
1973	2.724	2.461	1.691	0.8802	0.5999	0.1487
1974	2.524	2.343	1.637	0.8611	0.5872	0.1454
1975	2.508	2.272	1.597	0.8399	0.5741	0.1423
1976	2.734	2.496	1.757	0.9504	0.65	0.1609
1977	2.558	2.288	1.583	0.806	0.5479	0.1356
1978	2.459	2.239	1.578	0.8411	0.5738	0.1421
1979	2.477	2.216	1.626	0.8558	0.5842	0.1448
1980	2.526	2.359	1.698	0.9652	0.6632	0.1642
1981	2.692	2.419	1.674	0.8441	0.5737	0.142
1982	2.525	2.384	1.716	0.9277	0.6327	0.1567
1983	2.556	2.395	1.712	0.9619	0.6655	0.1653
1984	2.927	2.676	1.962	1.09	0.7458	0.1844
1985	2.589	2.3	1.627	0.8538	0.5831	0.1448
1986	2.565	2.33	1.65	0.903	0.6213	0.1543
1987	2.578	2.324	1.684	0.9272	0.6427	0.1599
1988	3.045	2.909	2.21	1.218	0.8324	0.2058
1989	2.529	2.382	1.726	0.9637	0.6625	0.1646
1990	2.899	2.606	1.815	0.9911	0.6783	0.1683

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			3.446	3.093	2.296	1.218 0.8324 0.2058
0.0645161290322581			3.158	2.909	2.21	1.208 0.8224 0.2036
0.0967741935483871			3.045	2.818	1.967	1.09 0.7458 0.1844
0.129032258064516			2.927	2.676	1.962	1.072 0.7361 0.1832
0.161290322580645			2.899	2.609	1.859	1.062 0.7335 0.1814
0.193548387096774			2.841	2.606	1.815	1.04 0.719 0.1789
0.225806451612903			2.734	2.496	1.809	1.034 0.7073 0.1752
0.258064516129032			2.724	2.461	1.785	0.9911 0.6783 0.1683
0.290322580645161			2.692	2.44	1.757	0.9652 0.6655 0.1653
0.32258064516129			2.665	2.428	1.732	0.9637 0.6632 0.1646
0.354838709677419			2.631	2.426	1.726	0.9636 0.6625 0.1642
0.387096774193548			2.631	2.419	1.716	0.9619 0.6613 0.1637
0.419354838709677			2.623	2.415	1.712	0.9504 0.65 0.1609
0.451612903225806			2.604	2.395	1.704	0.9373 0.6427 0.1599
0.483870967741936			2.589	2.384	1.698	0.9277 0.6399 0.1584
0.516129032258065			2.578	2.382	1.692	0.9272 0.6327 0.1567
0.548387096774194			2.565	2.38	1.691	0.9115 0.6279 0.1559
0.580645161290323			2.558	2.359	1.684	0.903 0.6213 0.1543
0.612903225806452			2.556	2.343	1.674	0.8988 0.6165 0.1531
0.645161290322581			2.555	2.33	1.654	0.8944 0.6076 0.1503
0.67741935483871			2.533	2.324	1.654	0.8802 0.5999 0.1487
0.709677419354839			2.529	2.32	1.65	0.8611 0.5872 0.1454

0.741935483870968	2.526	2.31	1.637	0.8558	0.5842	0.1448
0.774193548387097	2.525	2.3	1.627	0.8538	0.5831	0.1448
0.806451612903226	2.524	2.288	1.626	0.8441	0.5741	0.1423
0.838709677419355	2.524	2.286	1.607	0.8411	0.5738	0.1421
0.870967741935484	2.508	2.272	1.597	0.8409	0.5737	0.142
0.903225806451613	2.504	2.254	1.583	0.8399	0.5728	0.1416
0.935483870967742	2.477	2.239	1.578	0.8148	0.5549	0.1375
0.967741935483871	2.459	2.216	1.578	0.806	0.5479	0.1356

0.1	3.0332	2.8038	1.9665	1.0882	0.74483	0.18428	
Average of yearly averages:							0.16043

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 18

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	25-05	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.56	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Turnips

stored as run 19.out

Chemical: dimethoate

PRZM environment: CAPotatoRLF.txt modified Tuesday, 20 February 2007 at 12:05:00

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w23155.dvf modified Wedday, 3 July 2002 at 09:04:20
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.639	3.267	2.668	1.515	1.045	0.2592
1962	3.69	3.344	2.765	1.625	1.132	0.2817
1963	4.754	4.42	3.458	2.1	1.486	0.3713
1964	3.972	3.675	3.012	1.797	1.254	0.3112
1965	3.791	3.584	3.009	1.891	1.332	0.3323
1966	3.811	3.465	2.877	1.693	1.186	0.2954
1967	3.918	3.556	3.037	1.842	1.283	0.3183
1968	3.831	3.488	2.897	1.636	1.128	0.2794
1969	3.584	3.268	2.691	1.616	1.121	0.2781
1970	3.617	3.344	2.71	1.576	1.085	0.2689
1971	4.749	4.424	3.556	2.029	1.403	0.3481
1972	4.281	3.817	2.986	1.743	1.209	0.2997
1973	3.727	3.297	2.619	1.489	1.028	0.2551
1974	3.829	3.41	2.782	1.607	1.11	0.2754
1975	3.967	3.582	2.875	1.654	1.146	0.2846
1976	4.113	3.687	3.006	1.754	1.216	0.3016
1977	3.901	3.543	2.872	1.621	1.114	0.2761
1978	3.495	3.171	2.618	1.521	1.052	0.261
1979	3.561	3.223	2.672	1.546	1.068	0.2652
1980	3.713	3.374	2.78	1.697	1.187	0.2947
1981	3.801	3.453	2.762	1.537	1.057	0.262
1982	3.655	3.409	2.779	1.639	1.134	0.2815
1983	3.668	3.315	2.713	1.635	1.153	0.2874
1984	3.653	3.389	2.819	1.7	1.184	0.2935
1985	3.864	3.505	2.812	1.619	1.121	0.2788
1986	3.812	3.506	2.95	1.719	1.202	0.2994
1987	3.738	3.378	2.82	1.666	1.174	0.293
1988	4.347	4.022	3.365	1.989	1.381	0.3421
1989	3.999	3.671	3.026	1.808	1.262	0.3145
1990	3.915	3.536	2.942	1.759	1.221	0.3036

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			4.754	4.424	3.556	2.1
0.0645161290322581			4.749	4.42	3.458	2.029
0.0967741935483871			4.347	4.022	3.365	1.989
0.129032258064516			4.281	3.817	3.037	1.891
0.161290322580645			4.113	3.687	3.026	1.842
0.193548387096774			3.999	3.675	3.012	1.808
0.225806451612903			3.972	3.671	3.009	1.797
0.258064516129032			3.967	3.584	3.006	1.759
0.290322580645161			3.918	3.582	2.986	1.754
0.32258064516129			3.915	3.556	2.95	1.743
0.354838709677419			3.901	3.543	2.942	1.719
0.387096774193548			3.864	3.536	2.897	1.7
0.419354838709677			3.831	3.506	2.877	1.697
0.451612903225806			3.829	3.505	2.875	1.693
0.483870967741936			3.812	3.488	2.872	1.666
0.516129032258065			3.811	3.465	2.82	1.654
0.548387096774194			3.801	3.453	2.819	1.639
0.580645161290323			3.791	3.41	2.812	1.636

0.612903225806452	3.738	3.409	2.782	1.635	1.132	0.2815
0.645161290322581	3.727	3.389	2.78	1.625	1.128	0.2794
0.67741935483871	3.713	3.378	2.779	1.621	1.121	0.2788
0.709677419354839	3.69	3.374	2.765	1.619	1.121	0.2781
0.741935483870968	3.668	3.344	2.762	1.616	1.114	0.2761
0.774193548387097	3.655	3.344	2.713	1.607	1.11	0.2754
0.806451612903226	3.653	3.315	2.71	1.576	1.085	0.2689
0.838709677419355	3.639	3.297	2.691	1.546	1.068	0.2652
0.870967741935484	3.617	3.268	2.672	1.537	1.057	0.262
0.903225806451613	3.584	3.267	2.668	1.521	1.052	0.261
0.935483870967742	3.561	3.223	2.619	1.515	1.045	0.2592
0.967741935483871	3.495	3.171	2.618	1.489	1.028	0.2551
0.1	4.3404	4.0015	3.3322	1.9792	1.3761	0.34112
Average of yearly averages:						0.29377

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 19

Metfile: w23155.dvf

PRZM scenario: CAPotatoRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.28	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-05	dd/mm or dd/mmm or dd-mm or dd-mmm	
Interval 1	interval	3	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.28	kg/ha	
Interval 2	interval	3	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.28	kg/ha	
Interval 3	interval	3	days	Set to 0 or delete line for single app.
app. rate 3	apprate	0.28	kg/ha	
Interval 4	interval	3	days	Set to 0 or delete line for single app.
app. rate 4	apprate	0.28	kg/ha	
Interval 5	interval	3	days	Set to 0 or delete line for single app.
app. rate 5	apprate	0.28	kg/ha	
Interval 6	interval	3	days	Set to 0 or delete line for single app.
app. rate 6	apprate	0.28	kg/ha	

Record 17: FILTRA

IPSCND1

UPTKF

Record 18: PLVKRT

PLDKRT 0.24

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)

Beans

stored as run 20.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.723	2.58	2.148	1.508	1.18	0.3183
1962	2.752	2.616	2.383	1.758	1.386	0.3781
1963	6.266	5.947	4.985	3.317	2.614	0.7212
1964	3.967	3.766	3.157	2.148	1.727	0.4732
1965	3.741	3.55	2.88	1.985	1.591	0.4401
1966	2.371	2.252	1.954	1.428	1.123	0.3052
1967	3.748	3.556	2.921	2.016	1.615	0.4428
1968	5.859	5.546	4.466	2.915	2.295	0.6278
1969	2.37	2.249	1.841	1.356	1.065	0.2884
1970	4.535	4.282	3.646	2.557	2.024	0.5499
1971	2.805	2.667	2.375	1.736	1.386	0.3804
1972	2.379	2.251	1.928	1.412	1.113	0.3014
1973	3.153	2.995	2.52	1.776	1.405	0.3811
1974	3.876	3.675	3.289	2.652	2.067	0.5593
1975	5.556	5.287	4.326	3.078	2.425	0.6715
1976	4.797	4.559	3.758	2.707	2.146	0.581
1977	5.477	5.203	4.227	2.736	2.161	0.5921
1978	2.57	2.423	1.924	1.4	1.083	0.2908
1979	2.351	2.226	1.863	1.361	1.064	0.2863
1980	3.977	3.769	3.215	2.273	1.806	0.4927
1981	3.754	3.603	3.156	2.098	1.66	0.4493
1982	4.703	4.514	3.735	2.567	2.035	0.5558
1983	7.611	7.227	6.012	3.903	3.103	0.8437
1984	2.579	2.436	2.083	1.494	1.169	0.3136
1985	2.556	2.429	2.098	1.558	1.218	0.3272
1986	3.512	3.374	2.72	1.844	1.449	0.392
1987	2.342	2.215	1.798	1.303	1.008	0.2692
1988	3.458	3.267	2.725	1.888	1.492	0.4019
1989	4.172	3.946	3.205	2.106	1.647	0.443
1990	2.653	2.516	2.067	1.464	1.141	0.3062

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			7.611	7.227	6.012	3.903	3.103	0.8437
0.0645161290322581			6.266	5.947	4.985	3.317	2.614	0.7212
0.0967741935483871			5.859	5.546	4.466	3.078	2.425	0.6715
0.129032258064516			5.556	5.287	4.326	2.915	2.295	0.6278

0.161290322580645	5.477	5.203	4.227	2.736	2.161	0.5921
0.193548387096774	4.797	4.559	3.758	2.707	2.146	0.581
0.225806451612903	4.703	4.514	3.735	2.652	2.067	0.5593
0.258064516129032	4.535	4.282	3.646	2.567	2.035	0.5558
0.290322580645161	4.172	3.946	3.289	2.557	2.024	0.5499
0.32258064516129	3.977	3.769	3.215	2.273	1.806	0.4927
0.354838709677419	3.967	3.766	3.205	2.148	1.727	0.4732
0.387096774193548	3.876	3.675	3.157	2.106	1.66	0.4493
0.419354838709677	3.754	3.603	3.156	2.098	1.647	0.443
0.451612903225806	3.748	3.556	2.921	2.016	1.615	0.4428
0.483870967741936	3.741	3.55	2.88	1.985	1.591	0.4401
0.516129032258065	3.512	3.374	2.725	1.888	1.492	0.4019
0.548387096774194	3.458	3.267	2.72	1.844	1.449	0.392
0.580645161290323	3.153	2.995	2.52	1.776	1.405	0.3811
0.612903225806452	2.805	2.667	2.383	1.758	1.386	0.3804
0.645161290322581	2.752	2.616	2.375	1.736	1.386	0.3781
0.67741935483871	2.723	2.58	2.148	1.558	1.218	0.3272
0.709677419354839	2.653	2.516	2.098	1.508	1.18	0.3183
0.741935483870968	2.579	2.436	2.083	1.494	1.169	0.3136
0.774193548387097	2.57	2.429	2.067	1.464	1.141	0.3062
0.806451612903226	2.556	2.423	1.954	1.428	1.123	0.3052
0.838709677419355	2.379	2.252	1.928	1.412	1.113	0.3014
0.870967741935484	2.371	2.251	1.924	1.4	1.083	0.2908
0.903225806451613	2.37	2.249	1.863	1.361	1.065	0.2884
0.935483870967742	2.351	2.226	1.841	1.356	1.064	0.2863
0.967741935483871	2.342	2.215	1.798	1.303	1.008	0.2692

0.1	5.8287	5.5201	4.452	3.0617	2.412	0.66713	
Average of yearly averages:							0.446116666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 20

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	

Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 01-03 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 0.56 kg/ha
 Record 17: FILTRA
 IPSCND1
 UPTKF
 Record 18: PLVKRT
 PLDKRT 0.24
 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)

Celery

stored as run 21.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.251	4.044	3.348	2.343	1.831	0.4936
1962	3.922	3.729	3.374	2.492	1.962	0.5351
1963	8.398	7.971	6.661	4.487	3.519	0.97
1964	5.389	5.115	4.273	3.008	2.377	0.6501
1965	5.264	4.995	4.079	2.866	2.27	0.6267
1966	3.537	3.359	2.893	2.124	1.666	0.4525
1967	5.051	4.792	3.946	2.803	2.214	0.6052
1968	8.102	7.669	6.168	4.156	3.235	0.8828
1969	3.546	3.365	2.763	2.03	1.591	0.4302
1970	6.114	5.772	4.903	3.467	2.723	0.7395
1971	4.73	4.488	4.071	2.933	2.321	0.6358
1972	3.626	3.431	2.894	2.124	1.668	0.4511
1973	4.515	4.288	3.626	2.575	2.031	0.55
1974	5.035	4.773	4.344	3.398	2.656	0.7198
1975	6.923	6.586	5.53	3.948	3.111	0.8588
1976	6.413	6.096	5.032	3.617	2.862	0.775
1977	7.04	6.688	5.432	3.624	2.828	0.7735
1978	10.45	9.851	8.537	5.549	4.187	1.122
1979	3.506	3.319	2.756	2.024	1.578	0.4243
1980	5.473	5.186	4.424	3.151	2.486	0.6779
1981	4.95	4.788	4.19	2.853	2.236	0.6041
1982	6.056	5.826	4.815	3.345	2.645	0.7213
1983	9.2	8.759	7.252	4.839	3.798	1.031
1984	3.726	3.54	2.975	2.151	1.677	0.449
1985	3.727	3.542	3.024	2.242	1.748	0.4692
1986	6.023	5.789	4.685	3.241	2.514	0.6784
1987	3.491	3.301	2.7	1.945	1.501	0.4004
1988	4.743	4.48	3.779	2.65	2.08	0.5587
1989	5.803	5.487	4.514	3.039	2.355	0.6319
1990	3.878	3.678	3.012	2.151	1.672	0.4484

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	10.45	9.851	8.537	5.549	4.187	1.122
0.0645161290322581	9.2	8.759	7.252	4.839	3.798	1.031
0.0967741935483871	8.398	7.971	6.661	4.487	3.519	0.97
0.129032258064516	8.102	7.669	6.168	4.156	3.235	0.8828
0.161290322580645	7.04	6.688	5.53	3.948	3.111	0.8588
0.193548387096774	6.923	6.586	5.432	3.624	2.862	0.775
0.225806451612903	6.413	6.096	5.032	3.617	2.828	0.7735
0.258064516129032	6.114	5.826	4.903	3.467	2.723	0.7395
0.290322580645161	6.056	5.789	4.815	3.398	2.656	0.7213
0.32258064516129	6.023	5.772	4.685	3.345	2.645	0.7198
0.354838709677419	5.803	5.487	4.514	3.241	2.514	0.6784
0.387096774193548	5.473	5.186	4.424	3.151	2.486	0.6779
0.419354838709677	5.389	5.115	4.344	3.039	2.377	0.6501
0.451612903225806	5.264	4.995	4.273	3.008	2.355	0.6358
0.483870967741936	5.051	4.792	4.19	2.933	2.321	0.6319
0.516129032258065	5.035	4.788	4.079	2.866	2.27	0.6267
0.548387096774194	4.95	4.773	4.071	2.853	2.236	0.6052
0.580645161290323	4.743	4.488	3.946	2.803	2.214	0.6041
0.612903225806452	4.73	4.48	3.779	2.65	2.08	0.5587
0.645161290322581	4.515	4.288	3.626	2.575	2.031	0.55
0.67741935483871	4.251	4.044	3.374	2.492	1.962	0.5351
0.709677419354839	3.922	3.729	3.348	2.343	1.831	0.4936
0.741935483870968	3.878	3.678	3.024	2.242	1.748	0.4692
0.774193548387097	3.727	3.542	3.012	2.151	1.677	0.4525
0.806451612903226	3.726	3.54	2.975	2.151	1.672	0.4511
0.838709677419355	3.626	3.431	2.894	2.124	1.668	0.449
0.870967741935484	3.546	3.365	2.893	2.124	1.666	0.4484
0.903225806451613	3.537	3.359	2.763	2.03	1.591	0.4302
0.935483870967742	3.506	3.319	2.756	2.024	1.578	0.4243
0.967741935483871	3.491	3.301	2.7	1.945	1.501	0.4004

0.1 8.3684 7.9408 6.6117 4.4539 3.4906 0.96128

Average of yearly averages:

0.645543333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 21

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life

Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 0.56 kg/ha
 Application Efficiency: APPEFF0.95 fraction
 Spray Drift DRFT 0.05 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 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
 IPSCND1
 UPTKF
 Record 18: PLVKRT
 PLDKRT 0.24
 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)

Garbanzo beans

stored as run 22.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 11:04:10

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 15:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.4	1.326	1.095	0.7219	0.5438	0.1439
1962	1.744	1.659	1.4	0.9478	0.7188	0.1921
1963	1.599	1.517	1.278	0.8883	0.6784	0.1819
1964	1.4	1.329	1.091	0.7407	0.5638	0.1502
1965	1.4	1.328	1.105	0.7732	0.5915	0.1594
1966	1.4	1.329	1.078	0.7113	0.5365	0.1427
1967	1.4	1.328	1.103	0.7293	0.5541	0.1478
1968	1.4	1.325	1.126	0.7533	0.5711	0.1518
1969	1.4	1.328	1.075	0.7027	0.5306	0.1408
1970	2.09	1.973	1.602	1.079	0.8165	0.2167
1971	1.463	1.394	1.226	0.833	0.6351	0.1701
1972	1.4	1.325	1.075	0.7004	0.5283	0.1399
1973	1.4	1.331	1.114	0.7332	0.552	0.146
1974	3.614	3.425	2.758	1.788	1.35	0.3592
1975	1.4	1.329	1.09	0.725	0.552	0.1475
1976	2.438	2.318	1.907	1.291	0.9824	0.2605
1977	1.4	1.33	1.119	0.7549	0.5729	0.153
1978	1.442	1.359	1.229	0.7998	0.6004	0.1587
1979	1.4	1.326	1.063	0.6876	0.5162	0.1362
1980	1.817	1.745	1.447	0.9628	0.7281	0.1935
1981	1.4	1.327	1.074	0.6996	0.5264	0.139
1982	1.978	1.879	1.529	1.003	0.7581	0.2018
1983	2.213	2.095	1.708	1.105	0.8318	0.2199
1984	1.4	1.32	1.079	0.6879	0.5144	0.1349
1985	1.62	1.54	1.272	0.8298	0.623	0.1641
1986	1.4	1.321	1.139	0.7326	0.5503	0.1455
1987	1.4	1.324	1.056	0.6706	0.4995	0.131

1988	1.4	1.322	1.073	0.7022	0.5262	0.1381
1989	1.4	1.324	1.075	0.6864	0.5104	0.1339
1990	1.4	1.328	1.075	0.6966	0.5216	0.1373

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			3.614	3.425	2.758	1.788	1.35	0.3592
0.0645161290322581			2.438	2.318	1.907	1.291	0.9824	0.2605
0.0967741935483871			2.213	2.095	1.708	1.105	0.8318	0.2199
0.129032258064516			2.09	1.973	1.602	1.079	0.8165	0.2167
0.161290322580645			1.978	1.879	1.529	1.003	0.7581	0.2018
0.193548387096774			1.817	1.745	1.447	0.9628	0.7281	0.1935
0.225806451612903			1.744	1.659	1.4	0.9478	0.7188	0.1921
0.258064516129032			1.62	1.54	1.278	0.8883	0.6784	0.1819
0.290322580645161			1.599	1.517	1.272	0.833	0.6351	0.1701
0.32258064516129			1.463	1.394	1.229	0.8298	0.623	0.1641
0.354838709677419			1.442	1.359	1.226	0.7998	0.6004	0.1594
0.387096774193548			1.4	1.331	1.139	0.7732	0.5915	0.1587
0.419354838709677			1.4	1.33	1.126	0.7549	0.5729	0.153
0.451612903225806			1.4	1.329	1.119	0.7533	0.5711	0.1518
0.483870967741936			1.4	1.329	1.114	0.7407	0.5638	0.1502
0.516129032258065			1.4	1.329	1.105	0.7332	0.5541	0.1478
0.548387096774194			1.4	1.328	1.103	0.7326	0.552	0.1475
0.580645161290323			1.4	1.328	1.095	0.7293	0.552	0.146
0.612903225806452			1.4	1.328	1.091	0.725	0.5503	0.1455
0.645161290322581			1.4	1.328	1.09	0.7219	0.5438	0.1439
0.67741935483871			1.4	1.327	1.079	0.7113	0.5365	0.1427
0.709677419354839			1.4	1.326	1.078	0.7027	0.5306	0.1408
0.741935483870968			1.4	1.326	1.075	0.7022	0.5283	0.1399
0.774193548387097			1.4	1.325	1.075	0.7004	0.5264	0.139
0.806451612903226			1.4	1.325	1.075	0.6996	0.5262	0.1381
0.838709677419355			1.4	1.324	1.075	0.6966	0.5216	0.1373
0.870967741935484			1.4	1.324	1.074	0.6879	0.5162	0.1362
0.903225806451613			1.4	1.322	1.073	0.6876	0.5144	0.1349
0.935483870967742			1.4	1.321	1.063	0.6864	0.5104	0.1339
0.967741935483871			1.4	1.32	1.056	0.6706	0.4995	0.131

0.1	2.2007	2.0828	1.6974	1.1024	0.83027	0.21958
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Average of yearly averages:

0.167913333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 22

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life

Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis: pH 5	156	days	Half-life	
Hydrolysis: pH 7	68	days	Half-life	
Hydrolysis: pH 9	4.4	days	Half-life	
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	cm		
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	01-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Lentils

stored as run 23.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.656	2.528	2.244	1.557	1.195	0.3192
1962	3.016	2.868	2.383	1.681	1.295	0.3491
1963	3.397	3.224	2.733	2.021	1.584	0.4307
1964	2.565	2.434	2.176	1.562	1.214	0.3271
1965	2.589	2.457	2.249	1.628	1.27	0.346
1966	2.566	2.436	1.997	1.408	1.08	0.29
1967	2.771	2.635	2.159	1.493	1.153	0.3102
1968	3.374	3.194	2.792	1.945	1.511	0.4067
1969	2.563	2.431	1.979	1.377	1.056	0.2826
1970	3.26	3.078	2.748	1.965	1.516	0.4063
1971	3.605	3.421	2.861	2.013	1.57	0.4255
1972	2.551	2.449	2.037	1.412	1.084	0.2896
1973	2.617	2.485	2.153	1.53	1.177	0.315
1974	4.391	4.163	3.536	2.533	1.939	0.5197
1975	2.573	2.446	2.233	1.591	1.239	0.3348
1976	3.491	3.318	2.988	2.193	1.699	0.4545
1977	2.643	2.511	2.292	1.605	1.24	0.3344
1978	10.45	9.851	7.767	4.908	3.704	0.9902
1979	2.554	2.418	1.945	1.351	1.031	0.2743
1980	3.06	2.9	2.549	1.823	1.408	0.3787
1981	2.557	2.423	2.072	1.439	1.103	0.2939
1982	3.049	2.896	2.492	1.781	1.368	0.3674
1983	3.274	3.099	2.807	1.992	1.526	0.4072
1984	2.598	2.45	1.964	1.345	1.022	0.2703
1985	2.783	2.645	2.16	1.513	1.153	0.3061

1986	4.184	3.947	3.193	2.105	1.616	0.4319
1987	2.549	2.41	1.924	1.313	0.9925	0.2622
1988	2.544	2.437	2.103	1.46	1.114	0.295
1989	2.861	2.706	2.366	1.605	1.218	0.3227
1990	2.561	2.429	2.004	1.384	1.053	0.2795

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129			10.45	9.851	7.767	4.908	3.704 0.9902
0.0645161290322581			4.391	4.163	3.536	2.533	1.939 0.5197
0.0967741935483871			4.184	3.947	3.193	2.193	1.699 0.4545
0.129032258064516			3.605	3.421	2.988	2.105	1.616 0.4319
0.161290322580645			3.491	3.318	2.861	2.021	1.584 0.4307
0.193548387096774			3.397	3.224	2.807	2.013	1.57 0.4255
0.225806451612903			3.374	3.194	2.792	1.992	1.526 0.4072
0.258064516129032			3.274	3.099	2.748	1.965	1.516 0.4067
0.290322580645161			3.26	3.078	2.733	1.945	1.511 0.4063
0.32258064516129			3.06	2.9	2.549	1.823	1.408 0.3787
0.354838709677419			3.049	2.896	2.492	1.781	1.368 0.3674
0.387096774193548			3.016	2.868	2.383	1.681	1.295 0.3491
0.419354838709677			2.861	2.706	2.366	1.628	1.27 0.346
0.451612903225806			2.783	2.645	2.292	1.605	1.24 0.3348
0.483870967741936			2.771	2.635	2.249	1.605	1.239 0.3344
0.516129032258065			2.656	2.528	2.244	1.591	1.218 0.3271
0.548387096774194			2.643	2.511	2.233	1.562	1.214 0.3227
0.580645161290323			2.617	2.485	2.176	1.557	1.195 0.3192
0.612903225806452			2.598	2.457	2.16	1.53	1.177 0.315
0.645161290322581			2.589	2.45	2.159	1.513	1.153 0.3102
0.67741935483871			2.573	2.449	2.153	1.493	1.153 0.3061
0.709677419354839			2.566	2.446	2.103	1.46	1.114 0.295
0.741935483870968			2.565	2.437	2.072	1.439	1.103 0.2939
0.774193548387097			2.563	2.436	2.037	1.412	1.084 0.29
0.806451612903226			2.561	2.434	2.004	1.408	1.08 0.2896
0.838709677419355			2.557	2.431	1.997	1.384	1.056 0.2826
0.870967741935484			2.554	2.429	1.979	1.377	1.053 0.2795
0.903225806451613			2.551	2.423	1.964	1.351	1.031 0.2743
0.935483870967742			2.549	2.418	1.945	1.345	1.022 0.2703
0.967741935483871			2.544	2.41	1.924	1.313	0.9925 0.2622

0.1 4.1261 3.8944 3.1725 2.1842 1.6907 0.45224

Average of yearly averages: 0.36736

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 23

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	

Koc	Koc	mg/L				
Photolysis half-life	kdp	353	days	Half-life		
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife		
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife		
Aerobic Soil Metabolism	asm	6.202	days	Halfife		
Hydrolysis:	pH 5	156	days	Half-life		
Hydrolysis:	pH 7	68	days	Half-life		
Hydrolysis:	pH 9	4.4	days	Half-life		
Method: CAM	2	integer	See PRZM manual			
Incorporation Depth:	DEPI	cm				
Application Rate: TAPP	0.56	kg/ha				
Application Efficiency:	APPEFF	0.95	fraction			
Spray Drift	DRFT	0.05	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	7	days	Set to 0 or delete line for single app.		
app. rate 1	apprate	0.56	kg/ha			
Record 17:	FILTRA					
	IPSCND1					
	UPTKF					
Record 18:	PLVKRT					
	PLDKRT	0.24				
	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)			

Peas

stored as run 24.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.4	1.326	1.095	0.7219	0.5438	0.1439
1962	1.744	1.659	1.4	0.9478	0.7188	0.1921
1963	1.599	1.517	1.278	0.8883	0.6784	0.1819
1964	1.4	1.329	1.091	0.7407	0.5638	0.1502
1965	1.4	1.328	1.105	0.7732	0.5915	0.1594
1966	1.4	1.329	1.078	0.7113	0.5365	0.1427
1967	1.4	1.328	1.103	0.7293	0.5541	0.1478
1968	1.4	1.325	1.126	0.7533	0.5711	0.1518
1969	1.4	1.328	1.075	0.7027	0.5306	0.1408
1970	2.09	1.973	1.602	1.079	0.8165	0.2167
1971	1.463	1.394	1.226	0.833	0.6351	0.1701
1972	1.4	1.325	1.075	0.7004	0.5283	0.1399
1973	1.4	1.331	1.114	0.7332	0.552	0.146
1974	3.614	3.425	2.758	1.788	1.35	0.3592
1975	1.4	1.329	1.09	0.725	0.552	0.1475
1976	2.438	2.318	1.907	1.291	0.9824	0.2605
1977	1.4	1.33	1.119	0.7549	0.5729	0.153
1978	1.442	1.359	1.229	0.7998	0.6004	0.1587
1979	1.4	1.326	1.063	0.6876	0.5162	0.1362
1980	1.817	1.745	1.447	0.9628	0.7281	0.1935
1981	1.4	1.327	1.074	0.6996	0.5264	0.139

1982	1.978	1.879	1.529	1.003	0.7581	0.2018
1983	2.213	2.095	1.708	1.105	0.8318	0.2199
1984	1.4	1.32	1.079	0.6879	0.5144	0.1349
1985	1.62	1.54	1.272	0.8298	0.623	0.1641
1986	1.4	1.321	1.139	0.7326	0.5503	0.1455
1987	1.4	1.324	1.056	0.6706	0.4995	0.131
1988	1.4	1.322	1.073	0.7022	0.5262	0.1381
1989	1.4	1.324	1.075	0.6864	0.5104	0.1339
1990	1.4	1.328	1.075	0.6966	0.5216	0.1373

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			3.614	3.425	2.758	1.788	1.35	0.3592
0.0645161290322581			2.438	2.318	1.907	1.291	0.9824	0.2605
0.0967741935483871			2.213	2.095	1.708	1.105	0.8318	0.2199
0.129032258064516			2.09	1.973	1.602	1.079	0.8165	0.2167
0.161290322580645			1.978	1.879	1.529	1.003	0.7581	0.2018
0.193548387096774			1.817	1.745	1.447	0.9628	0.7281	0.1935
0.225806451612903			1.744	1.659	1.4	0.9478	0.7188	0.1921
0.258064516129032			1.62	1.54	1.278	0.8883	0.6784	0.1819
0.290322580645161			1.599	1.517	1.272	0.833	0.6351	0.1701
0.32258064516129			1.463	1.394	1.229	0.8298	0.623	0.1641
0.354838709677419			1.442	1.359	1.226	0.7998	0.6004	0.1594
0.387096774193548			1.4	1.331	1.139	0.7732	0.5915	0.1587
0.419354838709677			1.4	1.33	1.126	0.7549	0.5729	0.153
0.451612903225806			1.4	1.329	1.119	0.7533	0.5711	0.1518
0.483870967741936			1.4	1.329	1.114	0.7407	0.5638	0.1502
0.516129032258065			1.4	1.329	1.105	0.7332	0.5541	0.1478
0.548387096774194			1.4	1.328	1.103	0.7326	0.552	0.1475
0.580645161290323			1.4	1.328	1.095	0.7293	0.552	0.146
0.612903225806452			1.4	1.328	1.091	0.725	0.5503	0.1455
0.645161290322581			1.4	1.328	1.09	0.7219	0.5438	0.1439
0.67741935483871			1.4	1.327	1.079	0.7113	0.5365	0.1427
0.709677419354839			1.4	1.326	1.078	0.7027	0.5306	0.1408
0.741935483870968			1.4	1.326	1.075	0.7022	0.5283	0.1399
0.774193548387097			1.4	1.325	1.075	0.7004	0.5264	0.139
0.806451612903226			1.4	1.325	1.075	0.6996	0.5262	0.1381
0.838709677419355			1.4	1.324	1.075	0.6966	0.5216	0.1373
0.870967741935484			1.4	1.324	1.074	0.6879	0.5162	0.1362
0.903225806451613			1.4	1.322	1.073	0.6876	0.5144	0.1349
0.935483870967742			1.4	1.321	1.063	0.6864	0.5104	0.1339
0.967741935483871			1.4	1.32	1.056	0.6706	0.4995	0.131

0.1 2.2007 2.0828 1.6974 1.1024 0.83027 0.21958

Average of yearly averages:

0.167913333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 24

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	

Henry's Law Const.	henry	8e-11	atm-m ³ /mol
Vapor Pressure	vapr	torr	
Solubility	sol	32000	mg/L
Kd	Kd	0.3	mg/L
Koc	Koc	mg/L	
Photolysis half-life	kdp	353	days Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days Halfife
Aerobic Soil Metabolism	asm	6.202	days Halfife
Hydrolysis:	pH 5	156	days Half-life
Hydrolysis:	pH 7	68	days Half-life
Hydrolysis:	pH 9	4.4	days Half-life
Method: CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	cm	
Application Rate: TAPP	0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction
Spray Drift	DRFT	0.05	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	days	Set to 0 or delete line for single app.
app. rate 1	apprate	kg/ha	
Record 17:	FILTRA		
	IPSCND1		
	UPTKF		
Record 18:	PLVKRT		
	PLDKRT	0.24	
	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)

Peppers

stored as run 25.out

Chemical: dimethoate

PRZM environment: CARowCropRLF.txt modified Tuesday, 20 February 2007 at 12:04:10

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.944	3.736	3.338	2.511	2	0.5522
1962	4.714	4.48	4.189	3.028	2.425	0.6799
1963	8.215	7.798	6.756	5.051	3.957	1.106
1964	5.118	4.861	4.431	3.204	2.544	0.709
1965	4.876	4.622	4.025	3.021	2.419	0.6847
1966	4.086	3.878	3.464	2.545	2.041	0.5707
1967	8.087	7.676	6.367	4.48	3.577	1.008
1968	6.166	5.932	5.224	3.985	3.14	0.8695
1969	3.859	3.669	3.171	2.435	1.964	0.5483
1970	7.989	7.544	6.596	4.764	3.754	1.044
1971	5.887	5.587	5.088	3.634	2.887	0.8079
1972	4.812	4.552	3.817	2.776	2.231	0.6232
1973	5.698	5.41	4.462	3.23	2.57	0.7161
1974	7.86	7.437	6.216	4.531	3.73	1.05
1975	6.003	5.835	5.497	4.099	3.237	0.9051
1976	6.462	6.141	5.024	3.781	3.05	0.8441
1977	4.936	4.689	4.432	3.353	2.647	0.7369

1978	6.901	6.505	5.916	4.513	3.451	0.9372
1979	4.171	3.949	3.257	2.4	1.912	0.5273
1980	6.491	6.141	5.349	3.847	3.066	0.8566
1981	4.381	4.15	3.79	2.838	2.249	0.6198
1982	10	9.496	7.791	5.393	4.274	1.206
1983	8.712	8.404	7.397	5.258	4.099	1.131
1984	4.612	4.357	3.773	2.78	2.221	0.6137
1985	4.245	4.033	3.527	2.607	2.091	0.5761
1986	4.795	4.524	4.155	3.247	2.559	0.7067
1987	4.419	4.175	3.446	2.527	2.018	0.5564
1988	6.488	6.128	5.131	3.636	2.866	0.7903
1989	4.502	4.256	3.884	2.822	2.206	0.6017
1990	3.866	3.666	3.22	2.433	1.939	0.5341

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			10	9.496	7.791	5.393	4.274	1.206
0.0645161290322581			8.712	8.404	7.397	5.258	4.099	1.131
0.0967741935483871			8.215	7.798	6.756	5.051	3.957	1.106
0.129032258064516			8.087	7.676	6.596	4.764	3.754	1.05
0.161290322580645			7.989	7.544	6.367	4.531	3.73	1.044
0.193548387096774			7.86	7.437	6.216	4.513	3.577	1.008
0.225806451612903			6.901	6.505	5.916	4.48	3.451	0.9372
0.258064516129032			6.491	6.141	5.497	4.099	3.237	0.9051
0.290322580645161			6.488	6.141	5.349	3.985	3.14	0.8695
0.32258064516129			6.462	6.128	5.224	3.847	3.066	0.8566
0.354838709677419			6.166	5.932	5.131	3.781	3.05	0.8441
0.387096774193548			6.003	5.835	5.088	3.636	2.887	0.8079
0.419354838709677			5.887	5.587	5.024	3.634	2.866	0.7903
0.451612903225806			5.698	5.41	4.462	3.353	2.647	0.7369
0.483870967741936			5.118	4.861	4.432	3.247	2.57	0.7161
0.516129032258065			4.936	4.689	4.431	3.23	2.559	0.709
0.548387096774194			4.876	4.622	4.189	3.204	2.544	0.7067
0.580645161290323			4.812	4.552	4.155	3.028	2.425	0.6847
0.612903225806452			4.795	4.524	4.025	3.021	2.419	0.6799
0.645161290322581			4.714	4.48	3.884	2.838	2.249	0.6232
0.67741935483871			4.612	4.357	3.817	2.822	2.231	0.6198
0.709677419354839			4.502	4.256	3.79	2.78	2.221	0.6137
0.741935483870968			4.419	4.175	3.773	2.776	2.206	0.6017
0.774193548387097			4.381	4.15	3.527	2.607	2.091	0.5761
0.806451612903226			4.245	4.033	3.464	2.545	2.041	0.5707
0.838709677419355			4.171	3.949	3.446	2.527	2.018	0.5564
0.870967741935484			4.086	3.878	3.338	2.511	2	0.5522
0.903225806451613			3.944	3.736	3.257	2.435	1.964	0.5483
0.935483870967742			3.866	3.669	3.22	2.433	1.939	0.5341
0.967741935483871			3.859	3.666	3.171	2.4	1.912	0.5273

0.1	8.2022	7.7858	6.74	5.0223	3.9367	1.1004
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Average of yearly averages:

0.770416666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 25

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.37	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	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	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.37	kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.37	kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate	0.37	kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate	0.37	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Tomatoes

stored as run 26.out

Chemical: dimethoate

PRZM environment: CAtomato_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:43:54

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.37	2.098	1.434	0.7425	0.5158	0.1299
1962	2.387	2.123	1.464	0.7743	0.5384	0.1361
1963	2.415	2.168	1.515	0.8162	0.5677	0.1433
1964	2.384	2.12	1.46	0.7715	0.5384	0.1358
1965	2.401	2.147	1.49	0.7927	0.5553	0.1408
1966	2.408	2.157	1.501	0.7807	0.5415	0.1367
1967	2.352	2.07	1.4	0.7019	0.4826	0.1212

1968	2.371	2.099	1.438	0.7724	0.5398	0.1363
1969	2.385	2.121	1.461	0.7699	0.5345	0.1353
1970	2.358	2.079	1.413	0.7335	0.5097	0.1289
1971	2.372	2.101	1.437	0.7432	0.5158	0.1305
1972	2.38	2.113	1.451	0.7568	0.5265	0.133
1973	2.389	2.127	1.468	0.7789	0.5434	0.1377
1974	2.383	2.117	1.456	0.7646	0.5289	0.1332
1975	2.41	2.159	1.508	0.8244	0.5753	0.1457
1976	2.4	2.145	1.493	0.8424	0.595	0.1512
1977	2.37	2.098	1.434	0.7402	0.5125	0.1293
1978	2.365	2.09	1.425	0.7304	0.5057	0.1271
1979	2.367	2.101	1.438	0.7468	0.5144	0.129
1980	2.354	2.072	1.405	0.7223	0.4994	0.1251
1981	2.343	2.055	1.385	0.6957	0.4788	0.1203
1982	2.386	2.123	1.462	0.7648	0.5317	0.1342
1983	2.406	2.154	1.496	0.7697	0.5294	0.1327
1984	2.312	2.007	1.332	0.6563	0.4485	0.1118
1985	2.324	2.027	1.357	0.6903	0.4784	0.1205
1986	2.366	2.094	1.43	0.7129	0.4918	0.1236
1987	2.422	2.183	1.534	0.8118	0.5625	0.1413
1988	2.328	2.032	1.361	0.6892	0.4752	0.119
1989	2.363	2.086	1.421	0.7406	0.514	0.1295
1990	2.348	2.063	1.395	0.7146	0.4936	0.1241

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			2.422	2.183	1.534	0.8424	0.595	0.1512
0.0645161290322581			2.415	2.168	1.515	0.8244	0.5753	0.1457
0.0967741935483871			2.41	2.159	1.508	0.8162	0.5677	0.1433
0.129032258064516			2.408	2.157	1.501	0.8118	0.5625	0.1413
0.161290322580645			2.406	2.154	1.496	0.7927	0.5553	0.1408
0.193548387096774			2.401	2.147	1.493	0.7807	0.5434	0.1377
0.225806451612903			2.4	2.145	1.49	0.7789	0.5415	0.1367
0.258064516129032			2.389	2.127	1.468	0.7743	0.5398	0.1363
0.290322580645161			2.387	2.123	1.464	0.7724	0.5384	0.1361
0.32258064516129			2.386	2.123	1.462	0.7715	0.5384	0.1358
0.354838709677419			2.385	2.121	1.461	0.7699	0.5345	0.1353
0.387096774193548			2.384	2.12	1.46	0.7697	0.5317	0.1342
0.419354838709677			2.383	2.117	1.456	0.7648	0.5294	0.1332
0.451612903225806			2.38	2.113	1.451	0.7646	0.5289	0.133
0.483870967741936			2.372	2.101	1.438	0.7568	0.5265	0.1327
0.516129032258065			2.371	2.101	1.438	0.7468	0.5158	0.1305
0.548387096774194			2.37	2.099	1.437	0.7432	0.5158	0.1299
0.580645161290323			2.37	2.098	1.434	0.7425	0.5144	0.1295
0.612903225806452			2.367	2.098	1.434	0.7406	0.514	0.1293
0.645161290322581			2.366	2.094	1.43	0.7402	0.5125	0.129
0.67741935483871			2.365	2.09	1.425	0.7335	0.5097	0.1289
0.709677419354839			2.363	2.086	1.421	0.7304	0.5057	0.1271
0.741935483870968			2.358	2.079	1.413	0.7223	0.4994	0.1251
0.774193548387097			2.354	2.072	1.405	0.7146	0.4936	0.1241
0.806451612903226			2.352	2.07	1.4	0.7129	0.4918	0.1236
0.838709677419355			2.348	2.063	1.395	0.7019	0.4826	0.1212
0.870967741935484			2.343	2.055	1.385	0.6957	0.4788	0.1205
0.903225806451613			2.328	2.032	1.361	0.6903	0.4784	0.1203
0.935483870967742			2.324	2.027	1.357	0.6892	0.4752	0.119
0.967741935483871			2.312	2.007	1.332	0.6563	0.4485	0.1118

0.1 2.4098 2.1588 1.5073 0.81576 0.56718 0.1431
Average of yearly averages: 0.131436666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 26

Metfile: w93193.dvf

PRZM scenario: CAtomato_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-07	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	6	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.56	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)

Grass For Seed

stored as run 27.out

Chemical: dimethoate

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007 at 12:03:48

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.566	1.496	1.269	0.8892	0.7006	0.3238
1962	2.178	2.077	1.709	1.192	0.9287	0.3814
1963	1.555	1.474	1.186	0.8003	0.6286	0.2998

1964	3.404	3.249	2.655	1.79	1.388	0.5086
1965	1.556	1.474	1.183	0.7758	0.605	0.298
1966	1.559	1.471	1.163	0.8039	0.6333	0.2966
1967	4.905	4.67	3.848	2.565	2.019	0.6783
1968	1.556	1.473	1.189	0.8438	0.6503	0.3055
1969	5.417	5.229	4.334	2.902	2.261	0.7389
1970	2.147	2.074	1.823	1.202	0.9077	0.3732
1971	1.54	1.461	1.184	0.7593	0.5815	0.2866
1972	1.528	1.444	1.154	0.7369	0.5617	0.2799
1973	7.817	7.603	6.356	4.179	3.199	0.9854
1974	1.553	1.475	1.231	0.8212	0.6282	0.3017
1975	1.566	1.489	1.213	0.7973	0.6365	0.3023
1976	1.539	1.46	1.177	0.744	0.573	0.2811
1977	1.535	1.454	1.171	0.7477	0.5711	0.2829
1978	3.433	3.245	2.589	1.605	1.199	0.5803
1979	2.278	2.172	1.788	1.188	0.9035	0.3701
1980	1.518	1.434	1.144	0.7271	0.5461	0.2729
1981	1.994	1.895	1.56	1.109	0.8653	0.3567
1982	1.541	1.458	1.176	0.7466	0.5821	0.2866
1983	2.375	2.289	1.993	1.362	1.048	0.4093
1984	1.511	1.428	1.137	0.7005	0.5339	0.2638
1985	1.538	1.45	1.144	0.7373	0.5738	0.276
1986	1.508	1.426	1.136	0.7133	0.5333	0.265
1987	1.519	1.44	1.154	0.7116	0.5528	0.2683
1988	2.519	2.377	1.946	1.282	0.9688	0.4764
1989	1.529	1.436	1.117	0.7373	0.5685	0.2701
1990	1.532	1.443	1.136	0.7225	0.5632	0.2712

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			7.817	7.603	6.356	4.179	3.199	0.9854
0.0645161290322581			5.417	5.229	4.334	2.902	2.261	0.7389
0.0967741935483871			4.905	4.67	3.848	2.565	2.019	0.6783
0.129032258064516			3.433	3.249	2.655	1.79	1.388	0.5803
0.161290322580645			3.404	3.245	2.589	1.605	1.199	0.5086
0.193548387096774			2.519	2.377	1.993	1.362	1.048	0.4764
0.225806451612903			2.375	2.289	1.946	1.282	0.9688	0.4093
0.258064516129032			2.278	2.172	1.823	1.202	0.9287	0.3814
0.290322580645161			2.178	2.077	1.788	1.192	0.9077	0.3732
0.32258064516129			2.147	2.074	1.709	1.188	0.9035	0.3701
0.354838709677419			1.994	1.895	1.56	1.109	0.8653	0.3567
0.387096774193548			1.566	1.496	1.269	0.8892	0.7006	0.3238
0.419354838709677			1.566	1.489	1.231	0.8438	0.6503	0.3055
0.451612903225806			1.559	1.475	1.213	0.8212	0.6365	0.3023
0.483870967741936			1.556	1.474	1.189	0.8039	0.6333	0.3017
0.516129032258065			1.556	1.474	1.186	0.8003	0.6286	0.2998
0.548387096774194			1.555	1.473	1.184	0.7973	0.6282	0.298
0.580645161290323			1.553	1.471	1.183	0.7758	0.605	0.2966
0.612903225806452			1.541	1.461	1.177	0.7593	0.5821	0.2866
0.645161290322581			1.54	1.46	1.176	0.7477	0.5815	0.2866
0.67741935483871			1.539	1.458	1.171	0.7466	0.5738	0.2829
0.709677419354839			1.538	1.454	1.163	0.744	0.573	0.2811
0.741935483870968			1.535	1.45	1.154	0.7373	0.5711	0.2799
0.774193548387097			1.532	1.444	1.154	0.7373	0.5685	0.276
0.806451612903226			1.529	1.443	1.144	0.7369	0.5632	0.2729
0.838709677419355			1.528	1.44	1.144	0.7271	0.5617	0.2712

0.870967741935484	1.519	1.436	1.137	0.7225	0.5528	0.2701
0.903225806451613	1.518	1.434	1.136	0.7133	0.5461	0.2683
0.935483870967742	1.511	1.428	1.136	0.7116	0.5339	0.265
0.967741935483871	1.508	1.426	1.117	0.7005	0.5333	0.2638

0.1	4.7578	4.5279	3.7287	2.4875	1.9559	0.6685	
						Average of yearly averages:	0.376356666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 27

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	90	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.56	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Safflower, Wheat

stored as run 28.out

Chemical: dimethoate

PRZM environment: CAWheatRLF.txt modified Tuesday, 20 February 2007 at 12:03:36

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.284	2.163	1.772	1.18	0.8696	0.2198
1962	1.4	1.329	1.248	0.9359	0.693	0.1759
1963	3.193	3.026	2.656	1.795	1.324	0.3367
1964	3.625	3.441	2.823	1.806	1.325	0.3351
1965	1.82	1.72	1.45	0.9832	0.7195	0.1828
1966	2.512	2.369	2.021	1.281	0.9219	0.232
1967	1.508	1.431	1.278	0.9159	0.6769	0.1717
1968	1.709	1.614	1.493	1.006	0.7341	0.1847
1969	1.639	1.554	1.366	0.9867	0.7225	0.1832
1970	3.718	3.513	3.096	2.042	1.481	0.3731
1971	2	1.894	1.652	1.186	0.8861	0.2257
1972	2.632	2.467	2.184	1.418	1.029	0.2585
1973	2.356	2.255	1.852	1.245	0.9016	0.2267
1974	2.474	2.336	1.987	1.299	0.945	0.2382
1975	1.4	1.33	1.104	0.7951	0.5879	0.1493
1976	2.29	2.172	1.983	1.387	1.021	0.2586
1977	2.348	2.27	1.945	1.254	0.915	0.2305
1978	2.046	1.957	1.58	1.068	0.7775	0.1961
1979	1.4	1.321	1.066	0.7442	0.5404	0.136
1980	3.674	3.478	3.135	2.011	1.464	0.3694
1981	2.636	2.498	2.007	1.293	0.9347	0.2342
1982	3.324	3.156	2.664	1.695	1.232	0.3118
1983	2.131	2.029	1.762	1.176	0.8571	0.2164
1984	2.63	2.472	2.092	1.35	0.9682	0.242
1985	4.211	4.025	3.338	2.017	1.445	0.3614
1986	7.326	6.869	5.435	3.28	2.347	0.588
1987	1.444	1.365	1.291	0.9384	0.6794	0.171
1988	3.279	3.09	2.729	1.723	1.254	0.3155
1989	2.326	2.19	2.01	1.329	0.9648	0.2431
1990	3.905	3.679	3.209	1.989	1.434	0.3606

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			7.326	6.869	5.435	3.28	2.347	0.588
0.0645161290322581			4.211	4.025	3.338	2.042	1.481	0.3731
0.0967741935483871			3.905	3.679	3.209	2.017	1.464	0.3694
0.129032258064516			3.718	3.513	3.135	2.011	1.445	0.3614
0.161290322580645			3.674	3.478	3.096	1.989	1.434	0.3606
0.193548387096774			3.625	3.441	2.823	1.806	1.325	0.3367
0.225806451612903			3.324	3.156	2.729	1.795	1.324	0.3351
0.258064516129032			3.279	3.09	2.664	1.723	1.254	0.3155
0.290322580645161			3.193	3.026	2.656	1.695	1.232	0.3118
0.32258064516129			2.636	2.498	2.184	1.418	1.029	0.2586
0.354838709677419			2.632	2.472	2.092	1.387	1.021	0.2585
0.387096774193548			2.63	2.467	2.021	1.35	0.9682	0.2431
0.419354838709677			2.512	2.369	2.01	1.329	0.9648	0.242
0.451612903225806			2.474	2.336	2.007	1.299	0.945	0.2382
0.483870967741936			2.356	2.27	1.987	1.293	0.9347	0.2342
0.516129032258065			2.348	2.255	1.983	1.281	0.9219	0.232
0.548387096774194			2.326	2.19	1.945	1.254	0.915	0.2305
0.580645161290323			2.29	2.172	1.852	1.245	0.9016	0.2267
0.612903225806452			2.284	2.163	1.772	1.186	0.8861	0.2257
0.645161290322581			2.131	2.029	1.762	1.18	0.8696	0.2198
0.67741935483871			2.046	1.957	1.652	1.176	0.8571	0.2164
0.709677419354839			2	1.894	1.58	1.068	0.7775	0.1961

0.741935483870968	1.82	1.72	1.493	1.006	0.7341	0.1847
0.774193548387097	1.709	1.614	1.45	0.9867	0.7225	0.1832
0.806451612903226	1.639	1.554	1.366	0.9832	0.7195	0.1828
0.838709677419355	1.508	1.431	1.291	0.9384	0.693	0.1759
0.870967741935484	1.444	1.365	1.278	0.9359	0.6794	0.1717
0.903225806451613	1.4	1.33	1.248	0.9159	0.6769	0.171
0.935483870967742	1.4	1.329	1.104	0.7951	0.5879	0.1493
0.967741935483871	1.4	1.321	1.066	0.7442	0.5404	0.136

0.1	3.8863	3.6624	3.2016	2.0164	1.4621	0.3686
Average of yearly averages:						0.2576

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 28

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vapr		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	0.56	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-03	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Interval 1	interval		days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Sorghum, Triticale

stored as run 29.out

Chemical: dimethoate

PRZM environment: CAWheatRLF.txt modified Tuesday, 20 February 2007 at 12:03:36

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.798	3.637	3.387	2.481	1.88	0.4783
1962	4.96	4.739	4.102	2.831	2.146	0.548
1963	6.33	6.001	5.44	3.89	2.924	0.7483
1964	4.961	4.709	4.235	3.101	2.322	0.5906
1965	5.982	5.652	4.799	3.011	2.231	0.5686
1966	5.237	4.939	4.315	2.867	2.1	0.5307
1967	4.196	3.989	3.43	2.348	1.761	0.4486
1968	4.475	4.226	3.824	2.59	1.927	0.4869
1969	5.238	4.967	4.679	3.167	2.36	0.6013
1970	7.773	7.345	6.881	4.787	3.537	0.8948
1971	4.887	4.737	4.041	2.939	2.259	0.5798
1972	6.605	6.193	5.651	3.766	2.783	0.7022
1973	4.626	4.471	3.749	2.808	2.098	0.5312
1974	4.877	4.623	3.962	2.704	1.999	0.5057
1975	2.605	2.476	2.365	1.887	1.432	0.366
1976	6.912	6.576	5.43	3.797	2.845	0.7252
1977	7.261	6.94	5.899	3.688	2.736	0.6919
1978	3.423	3.267	3.053	2.216	1.65	0.4182
1979	3.587	3.436	2.835	2.081	1.556	0.3941
1980	6.225	5.882	5.071	3.781	2.827	0.7182
1981	3.832	3.625	3.359	2.493	1.847	0.4649
1982	4.393	4.17	3.656	2.606	1.921	0.4879
1983	6.124	5.903	5.295	3.767	2.819	0.7166
1984	5.539	5.207	4.436	2.998	2.183	0.5475
1985	6.196	5.875	5.398	3.778	2.763	0.6941
1986	8.525	7.994	6.987	4.758	3.444	0.865
1987	5.244	5.025	4.217	2.836	2.104	0.5326
1988	7.452	7.023	6.117	3.977	2.937	0.7417
1989	8.013	7.647	6.53	4.261	3.149	0.7976
1990	7.998	7.537	6.921	4.563	3.349	0.8459

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			8.525	7.994	6.987	4.787 3.537 0.8948
0.0645161290322581			8.013	7.647	6.921	4.758 3.444 0.865
0.0967741935483871			7.998	7.537	6.881	4.563 3.349 0.8459
0.129032258064516			7.773	7.345	6.53	4.261 3.149 0.7976
0.161290322580645			7.452	7.023	6.117	3.977 2.937 0.7483
0.193548387096774			7.261	6.94	5.899	3.89 2.924 0.7417
0.225806451612903			6.912	6.576	5.651	3.797 2.845 0.7252
0.258064516129032			6.605	6.193	5.44	3.781 2.827 0.7182
0.290322580645161			6.33	6.001	5.43	3.778 2.819 0.7166
0.32258064516129			6.225	5.903	5.398	3.767 2.783 0.7022
0.354838709677419			6.196	5.882	5.295	3.766 2.763 0.6941
0.387096774193548			6.124	5.875	5.071	3.688 2.736 0.6919
0.419354838709677			5.982	5.652	4.799	3.167 2.36 0.6013
0.451612903225806			5.539	5.207	4.679	3.101 2.322 0.5906
0.483870967741936			5.244	5.025	4.436	3.011 2.259 0.5798
0.516129032258065			5.238	4.967	4.315	2.998 2.231 0.5686
0.548387096774194			5.237	4.939	4.235	2.939 2.183 0.548
0.580645161290323			4.961	4.739	4.217	2.867 2.146 0.5475

0.612903225806452	4.96	4.737	4.102	2.836	2.104	0.5326
0.645161290322581	4.887	4.709	4.041	2.831	2.1	0.5312
0.67741935483871	4.877	4.623	3.962	2.808	2.098	0.5307
0.709677419354839	4.626	4.471	3.824	2.704	1.999	0.5057
0.741935483870968	4.475	4.226	3.749	2.606	1.927	0.4879
0.774193548387097	4.393	4.17	3.656	2.59	1.921	0.4869
0.806451612903226	4.196	3.989	3.43	2.493	1.88	0.4783
0.838709677419355	3.832	3.637	3.387	2.481	1.847	0.4649
0.870967741935484	3.798	3.625	3.359	2.348	1.761	0.4486
0.903225806451613	3.587	3.436	3.053	2.216	1.65	0.4182
0.935483870967742	3.423	3.267	2.835	2.081	1.556	0.3941
0.967741935483871	2.605	2.476	2.365	1.887	1.432	0.366

0.1	7.9755	7.5178	6.8459	4.5328	3.329	0.84107	
						Average of yearly averages:	0.607413333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 29

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vap		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP		0.56	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	15-03	dd/mm or dd/mm 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	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		
	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)	

Non-cropland areas adjacent to vineyards

stored as run 30.out

Chemical: dimethoate

PRZM environment: CAWineGrapesRLF.txt modified Tuesday, 20 February 2007 at 11:06:46

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	2.001	1.87	1.426	0.9295	0.6876	0.1798
1962	3.22	3.028	2.521	1.631	1.21	0.3188
1963	2.009	1.882	1.448	0.9508	0.7019	0.1854
1964	2.007	1.879	1.44	0.9398	0.6961	0.1832
1965	3.069	2.886	2.383	1.546	1.147	0.3015
1966	2.018	1.896	1.474	0.9772	0.7274	0.1935
1967	3.175	2.973	2.464	1.59	1.168	0.3046
1968	2.962	2.779	2.277	1.46	1.075	0.2818
1969	2.011	1.886	1.455	0.9596	0.7135	0.1891
1970	2.007	1.879	1.448	0.96	0.7131	0.1883
1971	3.204	3.008	2.498	1.588	1.163	0.3052
1972	1.999	1.867	1.422	0.9299	0.6896	0.1827
1973	2.011	1.885	1.46	0.9729	0.7255	0.1921
1974	3.204	2.999	2.488	1.595	1.179	0.3097
1975	2.013	1.888	1.459	0.9624	0.7191	0.1924
1976	2.008	1.881	1.443	0.9405	0.6964	0.1832
1977	2.009	1.883	1.446	0.9443	0.6997	0.1846
1978	3.02	2.836	2.333	1.51	1.11	0.2909
1979	3.182	2.975	2.463	1.572	1.151	0.3009
1980	2.009	1.883	1.454	0.9661	0.7213	0.191
1981	3.133	2.941	2.435	1.585	1.175	0.31
1982	3.183	2.986	2.478	1.596	1.176	0.3096
1983	1.996	1.862	1.406	0.9003	0.6569	0.1721
1984	3.168	2.953	2.44	1.54	1.121	0.2906
1985	2.997	2.797	2.289	1.464	1.08	0.2844
1986	3.052	2.859	2.355	1.545	1.148	0.3027
1987	3.02	2.825	2.317	1.473	1.082	0.2832
1988	1.993	1.858	1.405	0.9115	0.6748	0.1778
1989	2.005	1.876	1.437	0.94	0.6995	0.1849
1990	1.997	1.863	1.41	0.9064	0.6643	0.1739

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			3.22	3.028	2.521	1.631 1.21 0.3188
0.0645161290322581			3.204	3.008	2.498	1.596 1.179 0.31
0.0967741935483871			3.204	2.999	2.488	1.595 1.176 0.3097
0.129032258064516			3.183	2.986	2.478	1.59 1.175 0.3096
0.161290322580645			3.182	2.975	2.464	1.588 1.168 0.3052
0.193548387096774			3.175	2.973	2.463	1.585 1.163 0.3046
0.225806451612903			3.168	2.953	2.44	1.572 1.151 0.3027
0.258064516129032			3.133	2.941	2.435	1.546 1.148 0.3015
0.290322580645161			3.069	2.886	2.383	1.545 1.147 0.3009
0.32258064516129			3.052	2.859	2.355	1.54 1.121 0.2909
0.354838709677419			3.02	2.836	2.333	1.51 1.11 0.2906
0.387096774193548			3.02	2.825	2.317	1.473 1.082 0.2844
0.419354838709677			2.997	2.797	2.289	1.464 1.08 0.2832

0.451612903225806	2.962	2.779	2.277	1.46	1.075	0.2818
0.483870967741936	2.018	1.896	1.474	0.9772	0.7274	0.1935
0.516129032258065	2.013	1.888	1.46	0.9729	0.7255	0.1924
0.548387096774194	2.011	1.886	1.459	0.9661	0.7213	0.1921
0.580645161290323	2.011	1.885	1.455	0.9624	0.7191	0.191
0.612903225806452	2.009	1.883	1.454	0.96	0.7135	0.1891
0.645161290322581	2.009	1.883	1.448	0.9596	0.7131	0.1883
0.67741935483871	2.009	1.882	1.448	0.9508	0.7019	0.1854
0.709677419354839	2.008	1.881	1.446	0.9443	0.6997	0.1849
0.741935483870968	2.007	1.879	1.443	0.9405	0.6995	0.1846
0.774193548387097	2.007	1.879	1.44	0.94	0.6964	0.1832
0.806451612903226	2.005	1.876	1.437	0.9398	0.6961	0.1832
0.838709677419355	2.001	1.87	1.426	0.9299	0.6896	0.1827
0.870967741935484	1.999	1.867	1.422	0.9295	0.6876	0.1798
0.903225806451613	1.997	1.863	1.41	0.9115	0.6748	0.1778
0.935483870967742	1.996	1.862	1.406	0.9064	0.6643	0.1739
0.967741935483871	1.993	1.858	1.405	0.9003	0.6569	0.1721

0.1	3.2019	2.9977	2.487	1.5945	1.1759	0.30969	
Average of yearly averages:							0.238263333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: run 30

Metfile: w23234.dvf

PRZM scenario: CAWineGrapesRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: dimethoate

Description	Variable Name	Value	Units	Comments
Molecular weight	mw	229.25	g/mol	
Henry's Law Const.	henry	8e-11	atm-m ³ /mol	
Vapor Pressure	vap		torr	
Solubility	sol	32000	mg/L	
Kd	Kd	0.3	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	353	days	Half-life
Aerobic Aquatic Metabolism	kbacw	16.4	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	40.9	days	Halfife
Aerobic Soil Metabolism	asm	6.202	days	Halfife
Hydrolysis:	pH 5	156	days	Half-life
Hydrolysis:	pH 7	68	days	Half-life
Hydrolysis:	pH 9	4.4	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate: TAPP	2.24	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	15-07	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate	2.24	kg/ha	
Record 17:	FILTRA			
	IPSCND1			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT	0.24		

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)