

APPENDIX J. Additional PRZM/EXAMS Output

Forestry uses:

stored as Forest.out

Chemical: Naled

PRZM environment: CAForestryRLF.txt modified Tuesday, 26 August 2008 at 06:16:48

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 17:33:30

Metfile: w24283.dvf modified Tuesday, 26 August 2008 at 06:15:56

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	13.08	10.54	9.971	9.909	8.28	2.049
1962	13.3	10.6	10.07	9.904	8.265	2.044
1963	12.99	10.46	9.976	9.882	8.229	2.035
1964	13.07	10.54	9.97	9.908	8.272	2.041
1965	13.21	10.68	10.1	9.996	8.373	2.072
1966	13.1	10.58	10.09	9.956	8.316	2.058
1967	12.81	10.28	9.805	9.745	8.127	2.01
1968	13.8	11.06	10.09	9.779	8.158	2.013
1969	13.06	10.53	10.05	9.954	8.297	2.053
1970	13.13	10.6	10.05	9.984	8.339	2.064
1971	12.98	10.44	9.858	9.735	8.154	2.018
1972	13.09	10.55	9.903	9.762	8.165	2.015
1973	13.3	10.77	10.29	10.16	8.456	2.093
1974	12.99	10.45	9.826	9.761	8.166	2.021
1975	13.07	10.54	10.02	9.895	8.256	2.043
1976	13.23	10.62	10.04	9.922	8.287	2.045
1977	13	10.47	9.904	9.801	8.243	2.041
1978	14.99	12.32	10.67	10.09	8.426	2.085
1979	13.03	10.5	10.02	9.922	8.248	2.039
1980	13.22	10.7	10.21	10.05	8.364	2.064
1981	12.94	10.41	9.882	9.847	8.222	2.034
1982	13.09	10.56	10.01	9.93	8.29	2.051
1983	25.03	18.65	12.5	10.52	8.651	2.139
1984	13.03	10.48	9.795	9.696	8.121	2.004
1985	13.08	10.55	10.05	9.967	8.316	2.058
1986	13.09	10.56	10.06	10.01	8.354	2.067
1987	13.2	10.67	10.12	10.01	8.358	2.069
1988	13.26	10.73	10.18	10.05	8.393	2.072
1989	13.2	10.67	10.06	9.927	8.299	2.054
1990	12.87	10.33	9.857	9.781	8.143	2.014

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	25.03	18.65	12.5	10.52	8.651	2.139
0.0645161290322581	14.99	12.32	10.67	10.16	8.456	2.093
0.0967741935483871	13.8	11.06	10.29	10.09	8.426	2.085
0.129032258064516	13.3	10.77	10.21	10.05	8.393	2.072
0.161290322580645	13.3	10.73	10.18	10.05	8.373	2.072
0.193548387096774	13.26	10.7	10.12	10.01	8.364	2.069
0.225806451612903	13.23	10.68	10.1	10.01	8.358	2.067
0.258064516129032	13.22	10.67	10.09	9.996	8.354	2.064
0.290322580645161	13.21	10.67	10.09	9.984	8.339	2.064

0.32258064516129	13.2	10.62	10.07	9.967	8.316	2.058
0.354838709677419	13.2	10.6	10.06	9.956	8.316	2.058
0.387096774193548	13.13	10.6	10.06	9.954	8.299	2.054
0.419354838709677	13.1	10.58	10.05	9.93	8.297	2.053
0.451612903225806	13.09	10.56	10.05	9.927	8.29	2.051
0.483870967741936	13.09	10.56	10.05	9.922	8.287	2.049
0.516129032258065	13.09	10.55	10.04	9.922	8.28	2.045
0.548387096774194	13.08	10.55	10.02	9.909	8.272	2.044
0.580645161290323	13.08	10.54	10.02	9.908	8.265	2.043
0.612903225806452	13.07	10.54	10.01	9.904	8.256	2.041
0.645161290322581	13.07	10.54	9.976	9.895	8.248	2.041
0.67741935483871	13.06	10.53	9.971	9.882	8.243	2.039
0.709677419354839	13.03	10.5	9.97	9.847	8.229	2.035
0.741935483870968	13.03	10.48	9.904	9.801	8.222	2.034
0.774193548387097	13	10.47	9.903	9.781	8.166	2.021
0.806451612903226	12.99	10.46	9.882	9.779	8.165	2.018
0.838709677419355	12.99	10.45	9.858	9.762	8.158	2.015
0.870967741935484	12.98	10.44	9.857	9.761	8.154	2.014
0.903225806451613	12.94	10.41	9.826	9.745	8.143	2.013
0.935483870967742	12.87	10.33	9.805	9.735	8.127	2.01
0.967741935483871	12.81	10.28	9.795	9.696	8.121	2.004

0.1	13.75	11.031	10.282	10.086	8.4227	2.0837
Average of yearly averages:						
2.04883333333333						

Inputs generated by pe4.pl - 8-August-2003

Data used for this run:

Output File: Forest

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Naled

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	381	g/mol	
Henry's Law Const.	henry	5E-8	atm-m ³ /mol	
Vapor Pressure	vapr	1.2E-2	torr	
Solubility	sol	15600	mg/L	
Kd	Kd		mg/L	
Koc	Koc	37	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	6	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	4.5	days	Halfife
Aerobic Soil Metabolism	asm	3	days	Halfife
Hydrolysis: pH 5	11.6	days		Half-life
Hydrolysis: pH 7	5.2	days		Half-life
Hydrolysis: pH 9	0.88	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.01	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.11	fraction of	application rate applied to pond
Application Date	Date	1-7	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	3	days	Set to 0 or delete line for single app.

Interval 2	interval	3	days	Set to 0 or delete line for single app.
Interval 3	interval	3	days	Set to 0 or delete line for single app.
Interval 4	interval	3	days	Set to 0 or delete line for single app.
Interval 5	interval	3	days	Set to 0 or delete line for single app.
Interval 6	interval	3	days	Set to 0 or delete line for single app.
Interval 7	interval	3	days	Set to 0 or delete line for single app.
Interval 8	interval	3	days	Set to 0 or delete line for single app.
Interval 9	interval	3	days	Set to 0 or delete line for single app.
Interval 10	interval	3	days	Set to 0 or delete line for single app.
Interval 11	interval	3	days	Set to 0 or delete line for single app.
Interval 12	interval	3	days	Set to 0 or delete line for single app.
Interval 13	interval	3	days	Set to 0 or delete line for single app.
Interval 14	interval	3	days	Set to 0 or delete line for single app.
Interval 15	interval	3	days	Set to 0 or delete line for single app.
Interval 16	interval	3	days	Set to 0 or delete line for single app.
Interval 17	interval	3	days	Set to 0 or delete line for single app.
Interval 18	interval	3	days	Set to 0 or delete line for single app.
Interval 19	interval	3	days	Set to 0 or delete line for single app.
Interval 20	interval	3	days	Set to 0 or delete line for single app.
Interval 21	interval	3	days	Set to 0 or delete line for single app.
Interval 22	interval	3	days	Set to 0 or delete line for single app.
Interval 23	interval	3	days	Set to 0 or delete line for single app.
Interval 24	interval	3	days	Set to 0 or delete line for single app.
Record 17: FILTRA				
	IPSCND	1		
	UPTKF			
Record 18: PLVKRT				
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run IR Pond				
Flag for runoff calc. RUNOFF none, monthly or				
total(average of entire run)				

Melons, eggplant, summer squash uses (melon scenario)

stored as melons-egg.out

Chemical: Naled

PRZM environment: CAMelonsRLF_V2.txt modified Tuesday, 26 August 2008 at 06:16:48

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 17:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 10:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	16.6	11.33	8.163	3.799	2.532	0.6244
1962	16.47	11.19	8.18	3.844	2.563	0.6319
1963	16.29	10.97	8.164	3.857	2.572	0.6341
1964	16.43	11.16	8.24	3.885	2.59	0.6369
1965	16.2	10.87	8.15	3.86	2.574	0.6346
1966	15.91	10.48	7.689	3.622	2.415	0.5955
1967	16.14	10.78	8.001	3.778	2.519	0.621
1968	16.22	10.85	7.872	3.695	2.463	0.6057
1969	16.01	10.59	7.923	3.752	2.501	0.6167
1970	15.95	10.49	7.698	3.627	2.418	0.5962
1971	17.09	11.68	8.475	3.969	2.646	0.6525
1972	15.99	10.62	7.957	3.747	2.498	0.6142
1973	15.76	10.28	7.489	3.523	2.349	0.5791
1974	16.06	10.66	7.778	3.657	2.438	0.6011
1975	16.1	10.73	7.914	3.732	2.488	0.6135
1976	16.03	10.64	7.94	3.756	2.504	0.6158
1977	16.57	11.3	8.124	3.774	2.516	0.6203
1978	15.99	10.58	7.756	3.652	2.435	0.6004
1979	15.89	10.45	7.606	3.577	2.385	0.588
1980	16.29	10.98	8.139	3.841	2.561	0.6298
1981	15.96	10.51	7.511	3.49	2.327	0.5737
1982	16.07	10.69	7.991	3.78	2.52	0.6214
1983	16.02	10.63	7.798	3.672	2.448	0.6036
1984	15.55	9.978	7.338	3.458	2.306	0.567
1985	16.03	10.61	7.586	3.528	2.352	0.58
1986	15.85	10.38	7.508	3.524	2.35	0.5794
1987	20.55	13.51	8.863	4.112	2.741	0.6759
1988	16.28	10.95	8.042	3.785	2.524	0.6205
1989	16.05	10.65	7.79	3.665	2.443	0.6025
1990	16.48	10.99	7.948	3.728	2.486	0.6129

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	20.55	13.51	8.863	4.112	2.741	0.6759
0.0645161290322581	17.09	11.68	8.475	3.969	2.646	0.6525
0.0967741935483871	16.6	11.33	8.24	3.885	2.59	0.6369
0.129032258064516	16.57	11.3	8.18	3.86	2.574	0.6346
0.161290322580645	16.48	11.19	8.164	3.857	2.572	0.6341
0.193548387096774	16.47	11.16	8.163	3.844	2.563	0.6319
0.225806451612903	16.43	10.99	8.15	3.841	2.561	0.6298
0.258064516129032	16.29	10.98	8.139	3.799	2.532	0.6244
0.290322580645161	16.29	10.97	8.124	3.785	2.524	0.6214

0.32258064516129	16.28	10.95	8.042	3.78	2.52	0.621
0.354838709677419	16.22	10.87	8.001	3.778	2.519	0.6205
0.387096774193548	16.2	10.85	7.991	3.774	2.516	0.6203
0.419354838709677	16.14	10.78	7.957	3.756	2.504	0.6167
0.451612903225806	16.1	10.73	7.948	3.752	2.501	0.6158
0.483870967741936	16.07	10.69	7.94	3.747	2.498	0.6142
0.516129032258065	16.06	10.66	7.923	3.732	2.488	0.6135
0.548387096774194	16.05	10.65	7.914	3.728	2.486	0.6129
0.580645161290323	16.03	10.64	7.872	3.695	2.463	0.6057
0.612903225806452	16.03	10.63	7.798	3.672	2.448	0.6036
0.645161290322581	16.02	10.62	7.79	3.665	2.443	0.6025
0.67741935483871	16.01	10.61	7.778	3.657	2.438	0.6011
0.709677419354839	15.99	10.59	7.756	3.652	2.435	0.6004
0.741935483870968	15.99	10.58	7.698	3.627	2.418	0.5962
0.774193548387097	15.96	10.51	7.689	3.622	2.415	0.5955
0.806451612903226	15.95	10.49	7.606	3.577	2.385	0.588
0.838709677419355	15.91	10.48	7.586	3.528	2.352	0.58
0.870967741935484	15.89	10.45	7.511	3.524	2.35	0.5794
0.903225806451613	15.85	10.38	7.508	3.523	2.349	0.5791
0.935483870967742	15.76	10.28	7.489	3.49	2.327	0.5737
0.967741935483871	15.55	9.978	7.338	3.458	2.306	0.567

0.1	16.597	11.327	8.234	3.8825	2.5884	0.63667
Average of yearly averages:						0.61162

Inputs generated by pe4.pl - 8-August-2003

Data used for this run:

Output File: melons-egg

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Naled

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	381	g/mol	
Henry's Law Const.	henry	5E-8	atm-m ³ /mol	
Vapor Pressure	vapr	1.2E-2	torr	
Solubility	sol	15600	mg/L	
Kd	Kd		mg/L	
Koc	Koc	37	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	6	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	4.5	days	Halfife
Aerobic Soil Metabolism	asm	3	days	Halfife
Hydrolysis: pH 5	11.6	days		Half-life
Hydrolysis: pH 7	5.2	days		Half-life
Hydrolysis: pH 9	0.88	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	2.13	kg/ha	
Application Efficiency:	APPEFF	0.95		fraction
Spray Drift	DRFT	0.12	fraction of	application rate applied to pond
Application Date	Date	15-5	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.
Interval 2	interval	7	days	Set to 0 or delete line for single app.

Interval 3 interval 7 days Set to 0 or delete line for single app.

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR Pond

Flag for runoff calc. RUNOFF none, monthly or

total(average of entire run)

Grape Use – airblast application:

stored as Grapes -airblast.out

Chemical: Naled

PRZM environment: CAgapes_WirrigSTD.txt modified Tuesday, 26 August 2008 at 06:16:36

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 17:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 10:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.7165		0.491 0.283	0.1983	0.1323	0.03263
1962	0.7166		0.4574	0.265 0.1822	0.1216	0.02999
1963	0.7101		0.4789	0.2758	0.1806	0.1206
	0.02974					
1964	0.714	0.4856	0.2846	0.1885	0.1259	0.03095
1965	0.703	0.4622	0.2616	0.2055	0.1373	0.03386
1966	0.685	0.4515	0.2655	0.1748	0.1167	0.02878
1967	0.7142		0.4695	0.3157	0.2031	0.1356
	0.03344					
1968	0.3963		0.3066	0.2155	0.1568	0.1046
	0.02573					
1969	0.7033		0.4597	0.2615	0.1744	0.1165
	0.02872					
1970	0.6904		0.4546	0.2636	0.1742	0.1163
	0.02867					
1971	0.4005		0.3027	0.2371	0.1631	0.1089
	0.02686					
1972	0.7101		0.4705	0.3111	0.1948	0.13 0.03196
1973	0.6989		0.4562	0.2883	0.187 0.1248	0.03078
1974	0.711	0.4728	0.296	0.1971	0.1315	0.03242
1975	0.7095		0.4732	0.2738	0.179 0.1195	0.02947
1976	0.7047		0.4678	0.2698	0.185 0.1236	0.03038
1977	0.7169		0.444 0.2636	0.1739	0.116 0.02861	
1978	0.7029		0.4461	0.2547	0.1762	0.1176
	0.02901					
1979	0.707	0.4654	0.2884	0.1921	0.1282	0.0316
1980	0.709	0.4784	0.2762	0.1793	0.1197	0.02943
1981	0.7076		0.464 0.298	0.1879	0.1253	0.0309
1982	0.7058		0.4604	0.2657	0.2007	0.134 0.03305
1983	0.386	0.2879	0.2153	0.1522	0.1016	0.02506
1984	0.6922		0.4443	0.2522	0.1683	0.1123
	0.02762					

1985	0.7037	0.4673	0.2687	0.1708	0.114	0.0281
1986	0.6881	0.4516	0.2616	0.1724	0.115	0.02836
1987	0.6918	0.4535	0.2954	0.2033	0.1357	
	0.03347					
1988	0.7132	0.4562	0.2651	0.2009	0.1341	
	0.03296					
1989	1.387	0.922	0.4575	0.2476	0.1652	0.04073
1990	1.778	1.189	0.5204	0.269	0.1795	0.04426

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	1.778	1.189	0.5204	0.269	0.1795	0.04426
0.0645161290322581	1.387	0.922	0.4575	0.2476	0.1652	
	0.04073					
0.0967741935483871	0.7169	0.491	0.3157	0.2055		
	0.1373	0.03386				
0.129032258064516	0.7166	0.4856	0.3111	0.2033		
	0.1357	0.03347				
0.161290322580645	0.7165	0.4789	0.298	0.2031	0.1356	
	0.03344					
0.193548387096774	0.7142	0.4784	0.296	0.2009	0.1341	
	0.03305					
0.225806451612903	0.714	0.4732	0.2954	0.2007	0.134	
	0.03296					
0.258064516129032	0.7132	0.4728	0.2884	0.1983		
	0.1323	0.03263				
0.290322580645161	0.711	0.4705	0.2883	0.1971	0.1315	
	0.03242					
0.32258064516129	0.7101	0.4695	0.2846	0.1948	0.13	
	0.03196					
0.354838709677419	0.7101	0.4678	0.283	0.1921	0.1282	
	0.0316					
0.387096774193548	0.7095	0.4673	0.2762	0.1885		
	0.1259	0.03095				
0.419354838709677	0.709	0.4654	0.2758	0.1879	0.1253	
	0.0309					
0.451612903225806	0.7076	0.464	0.2738	0.187	0.1248	
	0.03078					
0.483870967741936	0.707	0.4622	0.2698	0.185	0.1236	
	0.03038					
0.516129032258065	0.7058	0.4604	0.2687	0.1822		
	0.1216	0.02999				
0.548387096774194	0.7047	0.4597	0.2657	0.1806		
	0.1206	0.02974				
0.580645161290323	0.7037	0.4574	0.2655	0.1793		
	0.1197	0.02947				
0.612903225806452	0.7033	0.4562	0.2651	0.179	0.1195	
	0.02943					
0.645161290322581	0.703	0.4562	0.265	0.1762	0.1176	
	0.02901					
0.67741935483871	0.7029	0.4546	0.2636	0.1748		
	0.1167	0.02878				
0.709677419354839	0.6989	0.4535	0.2636	0.1744		
	0.1165	0.02872				
0.741935483870968	0.6922	0.4516	0.2616	0.1742		
	0.1163	0.02867				

0.774193548387097	0.6918	0.4515	0.2616	0.1739	0.116
0.02861					
0.806451612903226	0.6904	0.4461	0.2615	0.1724	0.115
0.02836					
0.838709677419355	0.6881	0.4443	0.2547	0.1708	0.114
0.0281					
0.870967741935484	0.685	0.444	0.2522	0.1683	0.1123
0.02762					
0.903225806451613	0.4005	0.3066	0.2371	0.1631	
0.1089	0.02686				
0.935483870967742	0.3963	0.3027	0.2155	0.1568	
0.1046	0.02573				
0.967741935483871	0.386	0.2879	0.2153	0.1522	0.1016
0.02506					
0.1	0.71687	0.49046	0.31524	0.20528	0.13714
0.033821					

Average of yearly averages: 0.030918

Inputs generated by pe4.pl - 8-August-2003

Data used for this run:

Output File: Grapes -airblast

Metfile: w93193.dvf

PRZM scenario: CAgapes_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Naled

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	381	g/mol		
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Henry's Law Const.	henry	5E-8	atm-m ³ /mol		
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Vapor Pressure	vapr	1.2E-2	torr		
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Solubility	sol	15600	mg/L		
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Kd	Kd	mg/L			
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Koc	Koc	37	mg/L		
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Photolysis half-life	kdp	10	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	6	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	4.5	days	Halfife	
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Aerobic Soil Metabolism	asm	3	days	Halfife	
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Hydrolysis: pH 5	11.6	days	Half-life		
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Hydrolysis: pH 7	5.2	days	Half-life		
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Hydrolysis: pH 9	0.88	days	Half-life		
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Method:	CAM	1	integer	See PRZM manual	
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Incorporation Depth:	DEPI	cm			
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Application Rate:	TAPP	1.01	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.006	fraction of application rate applied to pond		
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Application Date	Date	1-5	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1	interval	8	days	Set to 0 or delete line for single app.	
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Interval 2	interval	8	days	Set to 0 or delete line for single app.	
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Interval 3	interval	8	days	Set to 0 or delete line for single app.	
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Interval 4	interval	8	days	Set to 0 or delete line for single app.	
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Interval 5	interval	8	days	Set to 0 or delete line for single app.	
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR Pond

Flag for runoff calc. RUNOFF none, monthly or

total(average of entire run)

Cotton use- ground application:

stored as Cotton-ground.out

Chemical: Naled

PRZM environment: CAcotton_WirrigSTD.txt modified Tuesday, 26 August 2008 at 06:16:36

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 17:33:30

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 10:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.741	5.334	2.586	0.9531	0.6354	0.1567
1962	4.25	3.046	1.828	0.6897	0.4598	0.1134
1963	8.953	5.637	2.563	0.9858	0.6572	0.162
1964	8.841	5.454	2.429	0.9276	0.6184	0.1521
1965	3.749	2.662	1.8	0.6915	0.461	0.1137
1966	3.389	2.449	1.63	0.6262	0.4174	0.1029
1967	7.939	4.781	2.642	0.9735	0.649	0.16
1968	8.512	5.203	2.561	0.9454	0.6303	0.155
1969	4.138	2.951	1.583	0.6027	0.4018	0.09908
1970	8.602	5.139	2.359	0.8732	0.5822	0.1435
1971	3.708	2.597	1.779	0.6752	0.4501	0.111
1972	8.58	5.276	2.596	0.9592	0.6394	0.1572
1973	7.904	4.898	2.646	0.9827	0.6551	0.1615
1974	7.909	4.874	2.625	0.9759	0.6506	0.1604
1975	7.865	4.887	2.49	0.9372	0.6248	0.1541
1976	3.57	2.514	1.862	0.7162	0.4774	0.1174
1977	3.69	2.582	1.792	0.6824	0.455	0.1122
1978	4.107	2.912	1.708	0.6425	0.4284	0.1056
1979	7.934	4.859	2.715	1.002	0.6682	0.1648
1980	8.633	5.14	2.36	0.8732	0.5821	0.1432
1981	8.639	5.164	2.479	0.9113	0.6075	0.1498
1982	3.212	2.288	1.462	0.5608	0.3738	0.09218
1983	7.919	4.968	2.703	1.01	0.6733	0.166
1984	8.599	5.02	2.348	0.86	0.5733	0.141
1985	3.697	2.547	1.583	0.5977	0.3985	0.09825
1986	8.732	5.268	2.459	0.9418	0.6279	0.1548
1987	4.465	3.266	1.745	0.6666	0.4444	0.1096
1988	7.944	4.698	2.518	0.9234	0.6156	0.1514
1989	3.456	2.389	1.692	0.6431	0.4287	0.1057
1990	7.944	4.769	2.599	0.9555	0.637	0.1571

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	8.953	5.637	2.715	1.01	0.6733	0.166
0.0645161290322581		8.841	5.454	2.703	1.002	0.6682
0.0967741935483871		8.741	5.334	2.646	0.9858	0.6572
0.129032258064516	8.732	5.276	2.642	0.9827	0.6551	0.1615
0.161290322580645	8.639	5.268	2.625	0.9759	0.6506	0.1604
0.193548387096774	8.633	5.203	2.599	0.9735	0.649	0.16
0.225806451612903	8.602	5.164	2.596	0.9592	0.6394	0.1572
0.258064516129032	8.599	5.14	2.586	0.9555	0.637	0.1571
0.290322580645161	8.58	5.139	2.563	0.9531	0.6354	0.1567
0.32258064516129	8.512	5.02	2.561	0.9454	0.6303	0.155
0.354838709677419	7.944	4.968	2.518	0.9418	0.6279	0.1548
0.387096774193548	7.944	4.898	2.49	0.9372	0.6248	0.1541
0.419354838709677	7.939	4.887	2.479	0.9276	0.6184	0.1521
0.451612903225806	7.934	4.874	2.459	0.9234	0.6156	0.1514
0.483870967741936	7.919	4.859	2.429	0.9113	0.6075	0.1498
0.516129032258065	7.909	4.781	2.36	0.8732	0.5822	0.1435
0.548387096774194	7.904	4.769	2.359	0.8732	0.5821	0.1432
0.580645161290323	7.865	4.698	2.348	0.86	0.5733	0.141
0.612903225806452	4.465	3.266	1.862	0.7162	0.4774	0.1174
0.645161290322581	4.25	3.046	1.828	0.6915	0.461	0.1137
0.67741935483871	4.138	2.951	1.8	0.6897	0.4598	0.1134
0.709677419354839	4.107	2.912	1.792	0.6824	0.455	0.1122
0.741935483870968	3.749	2.662	1.779	0.6752	0.4501	0.111
0.774193548387097	3.708	2.597	1.745	0.6666	0.4444	0.1096
0.806451612903226	3.697	2.582	1.708	0.6431	0.4287	0.1057
0.838709677419355	3.69	2.547	1.692	0.6425	0.4284	0.1056
0.870967741935484	3.57	2.514	1.63	0.6262	0.4174	0.1029
0.903225806451613	3.456	2.449	1.583	0.6027	0.4018	0.09908
0.935483870967742	3.389	2.389	1.583	0.5977	0.3985	0.09825
0.967741935483871	3.212	2.288	1.462	0.5608	0.3738	0.09218

0.1	8.7401	5.3282	2.6456	0.98549	0.65699
	0.16195				

Average of yearly averages:

0.135720333333333

Inputs generated by pe4.pl - 8-August-2003

Data used for this run:

Output File: Cotton-ground

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Naled

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	381		g/mol	
Henry's Law Const.		henry	5E-8	atm-m ³ /mol	
Vapor Pressure	vapr	1.2E-2		torr	
Solubility	sol	15600		mg/L	
Kd	Kd			mg/L	
Koc	Koc	37		mg/L	
Photolysis half-life	kdp	10		days	Half-life
Aerobic Aquatic Metabolism		kbacw	6	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	4.5	days	Halfife
Aerobic Soil Metabolism	asm	3		days	Halfife
Hydrolysis: pH 5		11.6		days	Half-life
Hydrolysis: pH 7		5.2		days	Half-life

Hydrolysis: pH 9 0.88 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.4 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-7 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 7 days Set to 0 or delete line for single app.
 Interval 2 interval 7 days Set to 0 or delete line for single app.
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR Pond
 Flag for runoff calc. RUNOFF none, monthly or
 total(average of entire run)

Ornamental/Nursery uses:

stored as Nursery.out

Chemical: Naled

PRZM environment: CAnurserySTD.txt modified Tuesday, 26 August 2008 at 06:16:36

EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 17:33:30

Metfile: w23188.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.6783		0.5396	0.5134	0.5075	0.4221
	0.1043					
1962	0.6965		0.5543	0.5172	0.5118	0.4261
	0.1053					
1963	34.81	22.66	7.242	2.567	1.713	0.5271
1964	0.6856		0.5468	0.5204	0.5164	0.4297
	0.1059					
1965	9.798	6.987	2.83	1.352	0.9979	0.2679
1966	46.5	31.3	10.22	3.882	2.589	0.7417
1967	3.468	2.569	1.254	0.7701	0.6036	0.1547
1968	0.6673		0.5279	0.4998	0.4958	0.4129
	0.1017					
1969	1.771	1.213	0.5079	0.5037	0.4192	0.1274
1970	0.6825		0.5431	0.5122	0.5036	0.4196
	0.1042					
1971	20.37	14.47	5.151	1.832	1.221	0.5239
1972	0.6716		0.5321	0.502	0.4948	0.412
						0.1072
1973	0.6767		0.5374	0.5079	0.5001	0.4154
	0.1085					
1974	17.85	12.98	4.443	1.582	1.054	0.3628
1975	9.706	6.963	2.778	1.32	0.9668	0.2386
1976	46.15	30.13	9.391	3.312	2.208	0.8261

1977	112	77.26	26.66	9.794	6.616	2.933		
1978	1.35	0.8764		0.4916		0.4769	0.3967	0.1199
1979	13.73	9.188	2.982	1.057	0.705	0.2736		
1980	3.898	2.746	1.33	0.7905		0.6078	0.1496	
1981	0.6603		0.5204		0.4895	0.4772	0.395	0.1001
1982	2.511	1.731	0.8025		0.6019	0.4997	0.158	
1983	1.781	1.348	0.891	0.6372		0.506	0.1262	
1984	0.6838		0.5365		0.5002	0.4838	0.4045	
	0.09962							
1985	21.55	14.86	5.051	1.797	1.198	0.3959		
1986	63.11	42.7	16.35	6.103	4.072	1.287		
1987	30.62	20.45	6.846	2.744	1.833	0.5877		
1988	38.87	30.69	11.93	4.68	3.203	0.7919		
1989	0.6653		0.5263		0.4999	0.4932	0.4102	
	0.1014							
1990	5.547	3.873	2.124	1.074	0.8351	0.2066		

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	112	77.26	26.66	9.794	6.616	2.933
0.0645161290322581		63.11	42.7	16.35	6.103	4.072
0.0967741935483871		46.5	31.3	11.93	4.68	3.203
0.129032258064516	46.15	30.69	10.22	3.882	2.589	0.7919
0.161290322580645	38.87	30.13	9.391	3.312	2.208	0.7417
0.193548387096774	34.81	22.66	7.242	2.744	1.833	0.5877
0.225806451612903	30.62	20.45	6.846	2.567	1.713	0.5271
0.258064516129032	21.55	14.86	5.151	1.832	1.221	0.5239
0.290322580645161	20.37	14.47	5.051	1.797	1.198	0.3959
0.32258064516129	17.85	12.98	4.443	1.582	1.054	0.3628
0.354838709677419	13.73	9.188	2.982	1.352	0.9979	0.2736
0.387096774193548	9.798	6.987	2.83	1.32	0.9668	0.2679
0.419354838709677	9.706	6.963	2.778	1.074	0.8351	0.2386
0.451612903225806	5.547	3.873	2.124	1.057	0.705	0.2066
0.483870967741936	3.898	2.746	1.33	0.7905	0.6078	0.158
0.516129032258065	3.468	2.569	1.254	0.7701	0.6036	0.1547
0.548387096774194	2.511	1.731	0.891	0.6372	0.506	0.1496
0.580645161290323	1.781	1.348	0.8025	0.6019	0.4997	
	0.1274					
0.612903225806452	1.771	1.213	0.5204	0.5164	0.4297	
	0.1262					
0.645161290322581	1.35	0.8764	0.5172	0.5118	0.4261	
	0.1199					
0.67741935483871	0.6965	0.5543	0.5134	0.5075		
	0.4221	0.1085				
0.709677419354839	0.6856	0.5468	0.5122	0.5037		
	0.4196	0.1072				
0.741935483870968	0.6838	0.5431	0.5079	0.5036		
	0.4192	0.1059				
0.774193548387097	0.6825	0.5396	0.5079	0.5001		
	0.4154	0.1053				
0.806451612903226	0.6783	0.5374	0.502	0.4958	0.4129	
	0.1043					
0.838709677419355	0.6767	0.5365	0.5002	0.4948	0.412	
	0.1042					
0.870967741935484	0.6716	0.5321	0.4999	0.4932		
	0.4102	0.1017				

0.903225806451613	0.6673	0.5279	0.4998	0.4838	
0.4045	0.1014				
0.935483870967742	0.6653	0.5263	0.4916	0.4772	
0.3967	0.1001				
0.967741935483871	0.6603	0.5204	0.4895	0.4769	0.395
0.09962					
0.1	46.465	31.239	11.759	4.6002	3.1416
	0.82268				

Average of yearly averages: 0.394594

Inputs generated by pe4.pl - 8-August-2003

Data used for this run:

Output File: Nursery

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Naled

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	381	g/mol		
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Henry's Law Const.	henry	5E-8	atm-m ³ /mol		
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Vapor Pressure	vapr	1.2E-2	torr		
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Solubility	sol	15600	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	37	mg/L		
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Photolysis half-life	kdp	10	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	6	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	4.5	days	Halfife	
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Aerobic Soil Metabolism	asm	3	days	Halfife	
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Hydrolysis: pH 5	11.6	days	Half-life		
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Hydrolysis: pH 7	5.2	days	Half-life		
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Hydrolysis: pH 9	0.88	days	Half-life		
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Method:	CAM	2	integer	See PRZM manual	
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	1.01	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.006	fraction of application rate applied to pond		
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Application Date	Date	1-4	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1	interval	3	days	Set to 0 or delete line for single app.	
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Interval 2	interval	3	days	Set to 0 or delete line for single app.	
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Interval 3	interval	3	days	Set to 0 or delete line for single app.	
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Interval 4	interval	3	days	Set to 0 or delete line for single app.	
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Interval 5	interval	3	days	Set to 0 or delete line for single app.	
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Interval 6	interval	3	days	Set to 0 or delete line for single app.	
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Interval 7	interval	3	days	Set to 0 or delete line for single app.	
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Interval 8	interval	3	days	Set to 0 or delete line for single app.	
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Interval 9	interval	3	days	Set to 0 or delete line for single app.	
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Interval 10 interval	3	days	Set to 0 or delete line for single
app.			
Interval 11 interval	3	days	Set to 0 or delete line for single
app.			
Interval 12 interval	3	days	Set to 0 or delete line for single
app.			
Interval 13 interval	3	days	Set to 0 or delete line for single
app.			
Interval 14 interval	3	days	Set to 0 or delete line for single
app.			
Interval 15 interval	3	days	Set to 0 or delete line for single
app.			
Interval 16 interval	3	days	Set to 0 or delete line for single
app.			
Interval 17 interval	3	days	Set to 0 or delete line for single
app.			
Interval 18 interval	3	days	Set to 0 or delete line for single
app.			
Interval 19 interval	3	days	Set to 0 or delete line for single
app.			
Interval 20 interval	3	days	Set to 0 or delete line for single
app.			
Interval 21 interval	3	days	Set to 0 or delete line for single
app.			
Interval 22 interval	3	days	Set to 0 or delete line for single
app.			
Interval 23 interval	3	days	Set to 0 or delete line for single
app.			
Interval 24 interval	3	days	Set to 0 or delete line for single
app.			
Record 17: FILTRA			
IPSCND	1		
UPTKF			
Record 18: PLVKRT			
PLDKRT			
FEXTRC	0.5		
Flag for Index Res. Run	IR	Pond	
Flag for runoff calc.	RUNOFF		none, monthly or
total(average of entire run)			