

APPENDIX D: PRZM-EXAMS Runs

Alfalpa

stored as NALalfAx.out

Chemical: NALED

PRZM environment: CAalfalfa_NirrigOP.txt modified Tuesday, 8 June 2004 at 07:02:02

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

Metfile: w93193.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	12.77	9.053	6.385	2.516	1.678	0.4211
1962	13.06	9.298	6.661	2.598	1.732	0.4281
1963	14.71	10.46	7.402	3.103	2.069	0.5102
1964	12.83	9.145	6.483	2.564	1.71	0.4241
1965	12.64	9.472	6.52	2.615	1.743	0.4302
1966	12.57	8.82	6.235	2.424	1.616	0.4082
1967	12.72	10.3	6.879	2.881	1.921	0.4737
1968	12.63	9.297	6.554	2.629	1.753	0.4415
1969	12.78	9.083	6.442	2.943	1.962	0.4843
1970	12.65	8.925	6.332	2.512	1.675	0.44
1971	12.71	9.003	6.384	2.703	1.807	0.446
1972	12.36	8.56	6.063	2.38	1.596	0.3995
1973	13.18	9.424	6.899	2.708	1.805	0.4508
1974	13.57	9.723	6.578	2.614	1.743	0.4345
1975	12.84	9.175	6.515	2.606	1.737	0.4316
1976	12.8	9.112	6.464	2.567	1.712	0.4261
1977	12.89	9.158	6.598	2.566	1.714	0.4269
1978	15.65	11.63	7.232	3.132	2.088	0.5155
1979	12.74	8.929	6.28	2.462	1.641	0.4057
1980	12.71	8.992	6.367	2.5	1.667	0.4103
1981	12.89	9.107	6.661	2.633	1.756	0.4335
1982	12.99	10.71	7.382	3.011	2.008	0.4967
1983	13.36	9.487	6.848	2.773	1.851	0.4565
1984	12.45	8.679	6.147	2.414	1.61	0.3984
1985	12.74	9.022	6.372	2.47	1.647	0.4107
1986	13.97	9.68	7.142	2.754	1.836	0.4683
1987	12.7	8.933	6.353	2.461	1.698	0.4217
1988	12.54	8.784	6.221	2.708	1.806	0.4445
1989	14.44	10.08	7.071	2.757	1.842	0.4558
1990	12.54	8.777	6.205	2.496	1.714	0.4231

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	15.65	11.63	7.402	3.132	2.088	0.5155
0.0645161290322581	14.71	10.71	7.382	3.103	2.069	0.5102
0.0967741935483871	14.44	10.46	7.232	3.011	2.008	0.4967
0.129032258064516	13.97	10.3	7.142	2.943	1.962	0.4843
0.161290322580645	13.57	10.08	7.071	2.881	1.921	0.4737
0.193548387096774	13.36	9.723	6.899	2.773	1.851	0.4683
0.225806451612903	13.18	9.68	6.879	2.757	1.842	0.4565
0.258064516129032	13.06	9.487	6.848	2.754	1.836	0.4558
0.290322580645161	12.99	9.472	6.661	2.708	1.807	0.4508
0.32258064516129	12.89	9.424	6.661	2.708	1.806	0.446

0.354838709677419	12.89	9.298	6.598	2.703	1.805	0.4445
0.387096774193548	12.84	9.297	6.578	2.633	1.756	0.4415
0.419354838709677	12.83	9.175	6.554	2.629	1.753	0.44
0.451612903225806	12.8	9.158	6.52	2.615	1.743	0.4345
0.483870967741936	12.78	9.145	6.515	2.614	1.743	0.4335
0.516129032258065	12.77	9.112	6.483	2.606	1.737	0.4316
0.548387096774194	12.74	9.107	6.464	2.598	1.732	0.4302
0.580645161290323	12.74	9.083	6.442	2.567	1.714	0.4281
0.612903225806452	12.72	9.053	6.385	2.566	1.714	0.4269
0.645161290322581	12.71	9.022	6.384	2.564	1.712	0.4261
0.67741935483871	12.71	9.003	6.372	2.516	1.71	0.4241
0.709677419354839	12.7	8.992	6.367	2.512	1.698	0.4231
0.741935483870968	12.65	8.933	6.353	2.5	1.678	0.4217
0.774193548387097	12.64	8.929	6.332	2.496	1.675	0.4211
0.806451612903226	12.63	8.925	6.28	2.47	1.667	0.4107
0.838709677419355	12.57	8.82	6.235	2.462	1.647	0.4103
0.870967741935484	12.54	8.784	6.221	2.461	1.641	0.4082
0.903225806451613	12.54	8.777	6.205	2.424	1.616	0.4057
0.935483870967742	12.45	8.679	6.147	2.414	1.61	0.3995
0.967741935483871	12.36	8.56	6.063	2.38	1.596	0.3984

0.1	14.393	10.444	7.223	3.0042	2.0034	0.49546
Average of yearly averages:						
0.440583333333333						

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

Data used for this run:

Output File: NALalfAx

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_NirrigOP.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	156000	mg/L	
Kd	Kd		mg/L	
Koc	Koc	180	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.57	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.12	fraction of	application rate applied to pond
Application Date	Date	15-3	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.

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 none, monthly or
total(average of entire run)

Sugar Beet

stored as NALbeetx.out

Chemical: NALED

PRZM environment: CAsugarbeet_NirrigOP.txt modified Thuday, 17

June 2004 at 07:15:12

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

Metfile: w93193.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	1.781	1.213	0.934	0.535	0.3567	0.08796
1962	1.769	1.198	0.9203	0.5308	0.3539	0.08727
1963	1.747	1.172	0.8964	0.5213	0.3476	0.0857
1964	1.765	1.193	0.9161	0.5307	0.3538	0.087
1965	1.737	1.16	0.8859	0.5167	0.3445	0.08494
1966	1.703	1.117	0.8445	0.4904	0.3269	0.08061
1967	1.73	1.151	0.8764	0.5097	0.3399	0.0838
1968	1.735	1.157	0.8815	0.5086	0.3391	0.08339
1969	1.709	1.125	0.8536	0.4985	0.3324	0.08195
1970	1.701	1.114	0.8424	0.4895	0.3264	0.08048
1971	2.006	1.366	0.9983	0.5658	0.3773	0.09302
1972	1.713	1.129	0.8554	0.5095	0.3397	0.08353
1973	1.686	1.095	0.8242	0.478	0.3187	0.07859
1974	1.72	1.137	0.8635	0.4996	0.3331	0.08213
1975	1.725	1.144	0.8706	0.5056	0.3371	0.08311
1976	1.716	1.134	0.8607	0.5018	0.3346	0.08228
1977	1.866	1.273	0.9881	0.553	0.3687	0.09091
1978	1.712	1.128	0.8551	0.496	0.3307	0.08163
1979	1.701	1.114	0.8415	0.4874	0.325	0.08013
1980	1.748	1.172	0.8969	0.5209	0.3473	0.0854
1981	1.708	1.123	0.8496	0.4873	0.3249	0.0801
1982	1.721	1.14	0.8668	0.5055	0.337	0.0831
1983	1.716	1.133	0.86	0.4988	0.3326	0.082
1984	1.659	1.06	0.7918	0.4616	0.3077	0.07567
1985	1.717	1.134	0.8601	0.4933	0.3289	0.08109
1986	1.696	1.107	0.8354	0.4828	0.3219	0.07937
1987	3.6	2.352	1.223	0.6206	0.4138	0.102
1988	1.746	1.17	0.8942	0.5175	0.3451	0.08485
1989	1.749	1.185	0.8942	0.5129	0.3419	0.08432
1990	16.76	11.92	3.897	1.677	1.118	0.2757

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	16.76	11.92	3.897	1.677	1.118	0.2757
0.0645161290322581	3.6	2.352	1.223	0.6206	0.4138	0.102
0.0967741935483871	2.006	1.366	0.9983	0.5658	0.3773	
0.09302						
0.129032258064516	1.866	1.273	0.9881	0.553	0.3687	0.09091
0.161290322580645	1.781	1.213	0.934	0.535	0.3567	0.08796
0.193548387096774	1.769	1.198	0.9203	0.5308	0.3539	
0.08727						
0.225806451612903	1.765	1.193	0.9161	0.5307	0.3538	0.087
0.258064516129032	1.749	1.185	0.8969	0.5213	0.3476	
0.0857						
0.290322580645161	1.748	1.172	0.8964	0.5209	0.3473	
0.0854						

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 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.01 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.027 fraction of application rate applied to pond
 Application Date Date 1-5 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.
 Interval 4 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 none, monthly or
 total(average of entire run)

Swamp - Forestry (multiple applications)

stored as NALswmpy.out

Chemical: NALED

PRZM environment: CAFEorestryRLF.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	32.41	26.09	24.67	24.51	20.47	5.068
1962	32.54	26.21	24.76	24.39	20.38	5.05
1963	32.19	25.88	24.68	24.44	20.36	5.039
1964	32.41	26.08	24.67	24.51	20.48	5.062
1965	32.74	26.42	24.97	24.73	20.71	5.127
1966	32.48	26.17	24.97	24.63	20.5	5.074
1967	31.77	25.44	24.26	24.11	20.08	4.967
1968	31.74	25.39	23.99	23.81	19.93	4.917
1969	32.37	26.06	24.86	24.62	20.52	5.081
1970	32.55	26.23	24.86	24.7	20.63	5.107
1971	32.17	25.84	24.38	24.09	20.18	5.001
1972	32.45	26.1	24.5	24.15	20.2	4.987
1973	32.96	26.66	25.46	25.13	20.93	5.182
1974	32.21	25.87	24.31	24.15	20.2	5.003
1975	32.4	26.08	24.78	24.48	20.42	5.061
1976	32.61	26.28	24.78	24.46	20.45	5.05
1977	32.23	25.9	24.5	24.26	20.33	5.033
1978	32.23	25.84	24.6	24.32	20.27	5.015
1979	32.3	25.99	24.78	24.54	20.4	5.046
1980	32.78	26.47	25.26	24.85	20.69	5.108
1981	32.09	25.76	24.45	24.36	20.34	5.035
1982	32.44	26.11	24.75	24.56	20.51	5.079
1983	32.09	25.43	23.82	23.6	19.68	4.868
1984	32.29	25.94	24.23	23.99	20.09	4.975
1985	32.43	26.11	24.85	24.66	20.57	5.099
1986	32.45	26.14	24.9	24.76	20.66	5.114
1987	32.72	26.4	25.04	24.76	20.68	5.12
1988	32.88	26.56	25.18	24.86	20.76	5.139
1989	32.73	26.4	24.88	24.56	20.53	5.085
1990	31.9	25.58	24.38	24.2	20.14	4.984

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	32.96	26.66	25.46	25.13	20.93	5.182
0.0645161290322581	32.88	26.56	25.26	24.86	20.76	5.139
0.0967741935483871	32.78	26.47	25.18	24.85	20.71	5.127
0.129032258064516	32.74	26.42	25.04	24.76	20.69	5.12
0.161290322580645	32.73	26.4	24.97	24.76	20.68	5.114
0.193548387096774	32.72	26.4	24.97	24.73	20.66	5.108
0.225806451612903	32.61	26.28	24.9	24.7	20.63	5.107
0.258064516129032	32.55	26.23	24.88	24.66	20.57	5.099
0.290322580645161	32.54	26.21	24.86	24.63	20.53	5.085
0.32258064516129	32.48	26.17	24.86	24.62	20.52	5.081
0.354838709677419	32.45	26.14	24.85	24.56	20.51	5.079
0.387096774193548	32.45	26.11	24.78	24.56	20.5	5.074
0.419354838709677	32.44	26.11	24.78	24.54	20.48	5.068

0.451612903225806	32.43	26.1	24.78	24.51	20.47	5.062
0.483870967741936	32.41	26.09	24.76	24.51	20.45	5.061
0.516129032258065	32.41	26.08	24.75	24.48	20.42	5.05
0.548387096774194	32.4	26.08	24.68	24.46	20.4	5.05
0.580645161290323	32.37	26.06	24.67	24.44	20.38	5.046
0.612903225806452	32.3	25.99	24.67	24.39	20.36	5.039
0.645161290322581	32.29	25.94	24.6	24.36	20.34	5.035
0.67741935483871	32.23	25.9	24.5	24.32	20.33	5.033
0.709677419354839	32.23	25.88	24.5	24.26	20.27	5.015
0.741935483870968	32.21	25.87	24.45	24.2	20.2	5.003
0.774193548387097	32.19	25.84	24.38	24.15	20.2	5.001
0.806451612903226	32.17	25.84	24.38	24.15	20.18	4.987
0.838709677419355	32.09	25.76	24.31	24.11	20.14	4.984
0.870967741935484	32.09	25.58	24.26	24.09	20.09	4.975
0.903225806451613	31.9	25.44	24.23	23.99	20.08	4.967
0.935483870967742	31.77	25.43	23.99	23.81	19.93	4.917
0.967741935483871	31.74	25.39	23.82	23.6	19.68	4.868

0.1	32.776	26.465	25.166	24.841	20.708
	5.1263				

Average of yearly averages: 5.0492

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

Data used for this run:

Output File: NALswmpy

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	156000	mg/L		
Kd	Kd		mg/L		
Koc	Koc	180	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 7	5.2	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF			0.05	fraction
Spray Drift	DRFT	0.99	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 none, monthly or
total(average of entire run)

Swamp - Forestry (single applications)

stored as NALswmpx.out

Chemical: NALED

PRZM environment: CAFEorestryRLF.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	13.85	9.65	3.411	1.219	0.8124	0.2004
1962	13.85	9.821	3.511	1.257	0.838	0.2067
1963	13.85	9.732	3.422	1.222	0.8145	0.2009
1964	13.85	9.766	3.456	1.235	0.8234	0.2026
1965	13.85	9.847	3.539	1.267	0.8448	0.2083
1966	13.85	9.741	3.431	1.225	0.8172	0.2015
1967	13.85	9.714	3.405	1.215	0.8101	0.1998
1968	13.85	9.713	3.403	1.214	0.8096	0.1991
1969	13.85	9.738	3.428	1.224	0.8161	0.2013
1970	13.85	9.784	3.475	1.242	0.8281	0.2042
1971	13.85	9.773	3.463	1.237	0.8249	0.2036
1972	13.85	9.686	3.377	1.204	0.8028	0.1975
1973	13.85	9.812	3.502	1.253	0.836	0.2062
1974	13.85	9.73	3.42	1.221	0.8138	0.2008
1975	13.85	9.711	3.402	1.214	0.8092	0.1997
1976	13.85	9.728	3.418	1.22	0.8135	0.2001
1977	13.85	9.781	3.471	1.24	0.829	0.2045
1978	13.85	9.688	3.379	1.205	0.8041	0.1983
1979	13.85	9.789	3.48	1.244	0.8294	0.2046
1980	13.85	9.741	3.431	1.225	0.8168	0.2009
1981	13.85	9.751	3.441	1.229	0.8193	0.2021
1982	13.85	9.808	3.499	1.251	0.8344	0.2059
1983	13.85	9.637	3.329	1.186	0.7914	0.1951
1984	13.85	9.702	3.392	1.21	0.8067	0.199
1985	13.85	9.759	3.449	1.232	0.8216	0.2028
1986	13.85	9.788	3.478	1.244	0.8291	0.2045
1987	13.85	9.765	3.455	1.234	0.823	0.203
1988	13.85	9.771	3.461	1.237	0.8246	0.2033
1989	13.85	9.742	3.432	1.225	0.817	0.2015
1990	13.85	9.722	3.412	1.218	0.8119	0.2002

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	13.85	9.847	3.539	1.267	0.8448	0.2083
0.0645161290322581	13.85	9.821	3.511	1.257	0.838	0.2067
0.0967741935483871	13.85	9.812	3.502	1.253	0.836	0.2062
0.129032258064516	13.85	9.808	3.499	1.251	0.8344	0.2059
0.161290322580645	13.85	9.789	3.48	1.244	0.8294	0.2046
0.193548387096774	13.85	9.788	3.478	1.244	0.8291	0.2045
0.225806451612903	13.85	9.784	3.475	1.242	0.829	0.2045
0.258064516129032	13.85	9.781	3.471	1.24	0.8281	0.2042
0.290322580645161	13.85	9.773	3.463	1.237	0.8249	0.2036
0.32258064516129	13.85	9.771	3.461	1.237	0.8246	0.2033
0.354838709677419	13.85	9.766	3.456	1.235	0.8234	0.203
0.387096774193548	13.85	9.765	3.455	1.234	0.823	0.2028
0.419354838709677	13.85	9.759	3.449	1.232	0.8216	0.2026

0.451612903225806	13.85	9.751	3.441	1.229	0.8193	0.2021
0.483870967741936	13.85	9.742	3.432	1.225	0.8172	0.2015
0.516129032258065	13.85	9.741	3.431	1.225	0.817	0.2015
0.548387096774194	13.85	9.741	3.431	1.225	0.8168	0.2013
0.580645161290323	13.85	9.738	3.428	1.224	0.8161	0.2009
0.612903225806452	13.85	9.732	3.422	1.222	0.8145	0.2009
0.645161290322581	13.85	9.73	3.42	1.221	0.8138	0.2008
0.67741935483871	13.85	9.728	3.418	1.22	0.8135	0.2004
0.709677419354839	13.85	9.722	3.412	1.219	0.8124	0.2002
0.741935483870968	13.85	9.714	3.411	1.218	0.8119	0.2001
0.774193548387097	13.85	9.713	3.405	1.215	0.8101	0.1998
0.806451612903226	13.85	9.711	3.403	1.214	0.8096	0.1997
0.838709677419355	13.85	9.702	3.402	1.214	0.8092	0.1991
0.870967741935484	13.85	9.688	3.392	1.21	0.8067	0.199
0.903225806451613	13.85	9.686	3.379	1.205	0.8041	0.1983
0.935483870967742	13.85	9.65	3.377	1.204	0.8028	0.1975
0.967741935483871	13.85	9.637	3.329	1.186	0.7914	0.1951
0.1	13.85	9.8116	3.5017	1.2528	0.83584	0.20617
Average of yearly averages:						
0.201946666666667						

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

Data used for this run:

Output File: NALswmpx

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	156000	mg/L		
Kd	Kd		mg/L		
Koc	Koc	180	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 7	5.2	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	0.28	kg/ha		
Application Efficiency:	APPEFF			0.05	fraction
Spray Drift DRFT	0.99	fraction of application rate applied to pond			
Application Date	Date	1-7	dd/mm	or dd/mm or dd-mm or dd-mmm	
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	none, monthly or		
total(average of entire run)					

Flying Insects - Residential

stored as NALpesRx.out

Chemical: NALED

PRZM environment: CAresidential.txt modified Tuesday, 20 February 2007
at 12:04:34

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	3.238	2.511	2.356	2.274	1.91	0.4734
1962	5.264	3.956	2.914	2.518	2.07	0.5125
1963	3.05	2.421	2.262	2.193	1.835	0.4544
1964	3.177	2.572	2.353	2.283	1.915	0.4731
1965	3.098	2.476	2.301	2.275	1.906	0.4719
1966	3.12	2.514	2.294	2.261	1.898	0.4705
1967	3.05	2.408	2.235	2.191	1.831	0.4538
1968	3.142	2.485	2.309	2.266	1.896	0.4684
1969	3.071	2.432	2.289	2.259	1.896	0.4695
1970	3.109	2.468	2.315	2.254	1.89	0.4686
1971	3.174	2.545	2.41	2.304	1.918	0.4752
1972	3.428	2.776	2.423	2.334	1.959	0.4841
1973	3.237	2.587	2.392	2.291	1.914	0.4748
1974	3.072	2.455	2.286	2.256	1.89	0.4685
1975	3.099	2.494	2.347	2.313	1.943	0.4816
1976	3.154	2.533	2.312	2.254	1.882	0.465
1977	3.099	2.467	2.314	2.268	1.906	0.4725
1978	3.17	2.59	2.374	2.274	1.896	0.4698
1979	3.212	2.566	2.354	2.234	1.867	0.4626
1980	3.102	2.482	2.346	2.291	1.919	0.4739
1981	3.509	2.711	2.44	2.333	1.973	0.4889
1982	3.183	2.553	2.355	2.259	1.93	0.4792
1983	3.09	2.516	2.269	2.187	1.831	0.4534
1984	3.727	2.642	2.386	2.259	1.897	0.4687
1985	3.216	2.589	2.356	2.293	1.923	0.4772
1986	3.133	2.495	2.327	2.275	1.902	0.4709
1987	3.046	2.429	2.226	2.213	1.851	0.4583
1988	3.074	2.428	2.286	2.256	1.885	0.4656
1989	3.089	2.512	2.34	2.289	1.915	0.4744
1990	3.093	2.518	2.309	2.226	1.861	0.461

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	5.264	3.956	2.914	2.518	2.07	0.5125
0.0645161290322581		3.727	2.776	2.44	2.334	1.973 0.4889
0.0967741935483871		3.509	2.711	2.423	2.333	1.959 0.4841
0.129032258064516	3.428	2.642	2.41	2.313	1.943	0.4816
0.161290322580645	3.238	2.59	2.392	2.304	1.93	0.4792
0.193548387096774	3.237	2.589	2.386	2.293	1.923	0.4772
0.225806451612903	3.216	2.587	2.374	2.291	1.919	0.4752
0.258064516129032	3.212	2.572	2.356	2.291	1.918	0.4748
0.290322580645161	3.183	2.566	2.356	2.289	1.915	0.4744
0.32258064516129	3.177	2.553	2.355	2.283	1.915	0.4739
0.354838709677419	3.174	2.545	2.354	2.275	1.914	0.4734
0.387096774193548	3.17	2.533	2.353	2.275	1.91	0.4731
0.419354838709677	3.154	2.518	2.347	2.274	1.906	0.4725

0.451612903225806	3.142	2.516	2.346	2.274	1.906	0.4719
0.483870967741936	3.133	2.514	2.34	2.268	1.902	0.4709
0.516129032258065	3.12	2.512	2.327	2.266	1.898	0.4705
0.548387096774194	3.109	2.511	2.315	2.261	1.897	0.4698
0.580645161290323	3.102	2.495	2.314	2.259	1.896	0.4695
0.612903225806452	3.099	2.494	2.312	2.259	1.896	0.4687
0.645161290322581	3.099	2.485	2.309	2.259	1.896	0.4686
0.67741935483871	3.098	2.482	2.309	2.256	1.89	0.4685
0.709677419354839	3.093	2.476	2.301	2.256	1.89	0.4684
0.741935483870968	3.09	2.468	2.294	2.254	1.885	0.4656
0.774193548387097	3.089	2.467	2.289	2.254	1.882	0.465
0.806451612903226	3.074	2.455	2.286	2.234	1.867	0.4626
0.838709677419355	3.072	2.432	2.286	2.226	1.861	0.461
0.870967741935484	3.071	2.429	2.269	2.213	1.851	0.4583
0.903225806451613	3.05	2.428	2.262	2.193	1.835	0.4544
0.935483870967742	3.05	2.421	2.235	2.191	1.831	0.4538
0.967741935483871	3.046	2.408	2.226	2.187	1.831	0.4534

0.1	3.5009	2.7041	2.4217	2.331	1.9574	0.48385
Average of yearly averages:						0.47139

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

Data used for this run:

Output File: NALpesRx

Metfile: w23234.dvf

PRZM scenario: CAresidential.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	180	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	0.112	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.227	fraction of application rate applied to pond	
Application Date	Date	1-9	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 none, monthly or
total(average of entire run)

Flying Insects - Impervious

stored as NALpesIx.out

Chemical: NALED

PRZM environment: CAImpervious.txt modified Tuesday, 20 February 2007
at 12:05:45

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	3.805	2.903	2.339	2.25	1.915	0.478
1962	17.41	12.41	6.35	3.682	2.827	0.6991
1963	4.399	3.399	2.713	2.492	2.115	0.526
1964	7.109	5.826	4.086	2.819	2.351	0.5826
1965	6.846	5.619	3.236	2.526	2.202	0.5497
1966	5.131	3.922	2.79	2.365	2.074	0.518
1967	3.285	2.612	2.275	2.163	1.806	0.448
1968	4.528	3.362	2.785	2.388	2.047	0.5074
1969	5.52	4.284	2.949	2.529	2.062	0.5104
1970	5.415	4.439	3.121	2.53	2.081	0.5183
1971	3.567	2.808	2.391	2.231	1.893	0.4699
1972	9.243	7.649	4.771	3.853	3.092	0.7678
1973	6.303	5.206	3.895	3.07	2.541	0.633
1974	3.919	3.062	2.651	2.312	1.923	0.4767
1975	5.829	4.374	3.138	2.638	2.14	0.5297
1976	4.374	3.581	2.486	2.34	1.989	0.4919
1977	4.058	3.082	2.418	2.314	1.95	0.485
1978	3.192	2.465	2.262	2.162	1.848	0.459
1979	8.496	6.146	4.125	2.87	2.338	0.5799
1980	2.95	2.368	2.217	2.168	1.813	0.4481
1981	10.4	7.423	4.669	3.201	2.666	0.6647
1982	7.281	5.336	3.607	2.78	2.349	0.5858
1983	6.024	4.76	3.103	2.505	2.153	0.5369
1984	10.56	7.562	4.161	3.329	2.713	0.6744
1985	3.873	3.195	2.579	2.344	1.972	0.4909
1986	2.973	2.396	2.21	2.182	1.82	0.4504
1987	3.939	2.993	2.56	2.259	1.931	0.4795
1988	3.736	2.896	2.385	2.261	1.918	0.4748
1989	5.727	4.412	2.984	2.727	2.196	0.5446
1990	3.115	2.466	2.256	2.161	1.801	0.446

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	17.41	12.41	6.35	3.853	3.092	0.7678
0.0645161290322581		10.56	7.649	4.771	3.682	2.827 0.6991
0.0967741935483871		10.4	7.562	4.669	3.329	2.713 0.6744
0.129032258064516	9.243	7.423	4.161	3.201	2.666	0.6647
0.161290322580645	8.496	6.146	4.125	3.07	2.541	0.633
0.193548387096774	7.281	5.826	4.086	2.87	2.351	0.5858
0.225806451612903	7.109	5.619	3.895	2.819	2.349	0.5826
0.258064516129032	6.846	5.336	3.607	2.78	2.338	0.5799
0.290322580645161	6.303	5.206	3.236	2.727	2.202	0.5497
0.32258064516129	6.024	4.76	3.138	2.638	2.196	0.5446
0.354838709677419	5.829	4.439	3.121	2.53	2.153	0.5369
0.387096774193548	5.727	4.412	3.103	2.529	2.14	0.5297
0.419354838709677	5.52	4.374	2.984	2.526	2.115	0.526

0.451612903225806	5.415	4.284	2.949	2.505	2.081	0.5183
0.483870967741936	5.131	3.922	2.79	2.492	2.074	0.518
0.516129032258065	4.528	3.581	2.785	2.388	2.062	0.5104
0.548387096774194	4.399	3.399	2.713	2.365	2.047	0.5074
0.580645161290323	4.374	3.362	2.651	2.344	1.989	0.4919
0.612903225806452	4.058	3.195	2.579	2.34	1.972	0.4909
0.645161290322581	3.939	3.082	2.56	2.314	1.95	0.485
0.67741935483871	3.919	3.062	2.486	2.312	1.931	0.4795
0.709677419354839	3.873	2.993	2.418	2.261	1.923	0.478
0.741935483870968	3.805	2.903	2.391	2.259	1.918	0.4767
0.774193548387097	3.736	2.896	2.385	2.25	1.915	0.4748
0.806451612903226	3.567	2.808	2.339	2.231	1.893	0.4699
0.838709677419355	3.285	2.612	2.275	2.182	1.848	0.459
0.870967741935484	3.192	2.466	2.262	2.168	1.82	0.4504
0.903225806451613	3.115	2.465	2.256	2.163	1.813	0.4481
0.935483870967742	2.973	2.396	2.217	2.162	1.806	0.448
0.967741935483871	2.95	2.368	2.21	2.161	1.801	0.446

0.1	10.2843	7.5481	4.6182	3.3162	2.7083
	0.67343				

Average of yearly averages:

0.534216666666667

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

Data used for this run:

Output File: NALpesIx

Metfile: w23234.dvf

PRZM scenario: CAImpervious.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	180	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	0.112	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.227	fraction of	application rate applied to pond
Application Date	Date	1-9	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	none, monthly or
total(average of entire run)				

Flying Insects - Forestry

stored as NALpesFx.out

Chemical: NALED

PRZM environment: CAForestry.txt modified Tuesday, 20 February 2007
at 12:06:11

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	3.229	2.596	2.425	2.362	2.083	0.531
1962	9.31	7.41	4.185	3.181	2.612	0.6499
1963	5.135	3.902	2.923	2.579	2.133	0.529
1964	8.371	6.614	3.931	2.864	2.393	0.5935
1965	3.004	2.425	2.314	2.305	1.937	0.4808
1966	5.609	4.294	3.157	2.623	2.287	0.5706
1967	8.959	6.384	3.25	2.586	2.252	0.5643
1968	4.393	3.41	2.574	2.422	2.049	0.508
1969	6.202	5.101	3.339	2.711	2.236	0.5576
1970	4.899	3.776	2.871	2.504	2.135	0.535
1971	10.9	8.148	3.985	3.073	2.558	0.6372
1972	5.068	3.942	2.853	2.52	2.086	0.5185
1973	6.232	4.842	3.569	2.888	2.369	0.5875
1974	3.993	3.142	2.755	2.455	2.043	0.5093
1975	11.92	8.855	4.782	3.242	2.629	0.6536
1976	5.713	4.566	2.807	2.467	2.112	0.5233
1977	7.138	5.395	3.508	2.913	2.359	0.5861
1978	3.125	2.544	2.367	2.3	1.951	0.4913
1979	4.589	3.597	3.09	2.624	2.154	0.5341
1980	3.623	2.662	2.383	2.321	1.98	0.5368
1981	4.51	3.507	2.75	2.501	2.161	0.5381
1982	7.675	5.971	3.825	2.859	2.452	0.6129
1983	7.426	5.841	3.309	2.594	2.195	0.5454
1984	8.793	6.58	3.859	3.093	2.538	0.6286
1985	10.59	7.83	4.681	3.159	2.515	0.6234
1986	3.962	3.294	2.692	2.431	2.028	0.5062
1987	3.067	2.485	2.387	2.323	2.007	0.5031
1988	8.548	6.957	4.002	2.904	2.385	0.5908
1989	4.051	3.445	2.821	2.499	2.077	0.5171
1990	5.494	3.969	2.727	2.425	2.104	0.5276

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.92	8.855	4.782	3.242	2.629	0.6536
0.0645161290322581	10.9	8.148	4.681	3.181	2.612	0.6499
0.0967741935483871	10.59	7.83	4.185	3.159	2.558	0.6372
0.129032258064516	9.31	7.41	4.002	3.093	2.538	0.6286
0.161290322580645	8.959	6.957	3.985	3.073	2.515	0.6234
0.193548387096774	8.793	6.614	3.931	2.913	2.452	0.6129
0.225806451612903	8.548	6.58	3.859	2.904	2.393	0.5935
0.258064516129032	8.371	6.384	3.825	2.888	2.385	0.5908
0.290322580645161	7.675	5.971	3.569	2.864	2.369	0.5875
0.32258064516129	7.426	5.841	3.508	2.859	2.359	0.5861
0.354838709677419	7.138	5.395	3.339	2.711	2.287	0.5706
0.387096774193548	6.232	5.101	3.309	2.624	2.252	0.5643
0.419354838709677	6.202	4.842	3.25	2.623	2.236	0.5576

0.451612903225806	5.713	4.566	3.157	2.594	2.195	0.5454
0.483870967741936	5.609	4.294	3.09	2.586	2.161	0.5381
0.516129032258065	5.494	3.969	2.923	2.579	2.154	0.5368
0.548387096774194	5.135	3.942	2.871	2.52	2.135	0.535
0.580645161290323	5.068	3.902	2.853	2.504	2.133	0.5341
0.612903225806452	4.899	3.776	2.821	2.501	2.112	0.531
0.645161290322581	4.589	3.597	2.807	2.499	2.104	0.529
0.67741935483871	4.51	3.507	2.755	2.467	2.086	0.5276
0.709677419354839	4.393	3.445	2.75	2.455	2.083	0.5233
0.741935483870968	4.051	3.41	2.727	2.431	2.077	0.5185
0.774193548387097	3.993	3.294	2.692	2.425	2.049	0.5171
0.806451612903226	3.962	3.142	2.574	2.422	2.043	0.5093
0.838709677419355	3.623	2.662	2.425	2.362	2.028	0.508
0.870967741935484	3.229	2.596	2.387	2.323	2.007	0.5062
0.903225806451613	3.125	2.544	2.383	2.321	1.98	0.5031
0.935483870967742	3.067	2.485	2.367	2.305	1.951	0.4913
0.967741935483871	3.004	2.425	2.314	2.3	1.937	0.4808

0.1 10.462 7.788 4.1667 3.1524 2.556 0.63634
Average of yearly averages:

0.5563533333333333

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

Data used for this run:

Output File: NALpesFx

Metfile: w24283.dvf

PRZM scenario: CAForestry.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	0.112	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.227	fraction of		application rate applied to pond
Application Date	Date	1-9	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	none, monthly or
total(average of entire run)				

Flying Insects - Rangeland

stored as NALrangx.out

Chemical: NALED

PRZM environment: CArangelandhay.txt modified Tuesday, 20 February 2007 at 12:04:47

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

Metfile: w23232.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	6.429	4.478	2.461	0.9038	0.6026	0.1486
1962	6.423	4.447	2.45	0.898	0.5987	0.1476
1963	6.567	4.67	2.618	0.9651	0.6434	0.1586
1964	6.473	4.526	2.509	0.9211	0.6141	0.151
1965	6.501	4.567	2.539	0.9308	0.6206	0.153
1966	6.391	4.398	2.411	0.8804	0.5869	0.1447
1967	6.855	4.927	2.766	1.017	0.678	0.1672
1968	6.446	4.484	2.476	0.9067	0.6045	0.1486
1969	6.584	4.63	2.559	0.9359	0.624	0.1539
1970	6.513	4.587	2.548	0.9305	0.6204	0.153
1971	6.514	4.588	2.559	0.942	0.628	0.1549
1972	6.472	4.526	2.504	0.9157	0.6105	0.1501
1973	6.427	4.454	2.448	0.8911	0.5941	0.1465
1974	6.501	4.569	2.54	0.9327	0.6218	0.1533
1975	6.594	4.711	2.641	0.966	0.644	0.1588
1976	6.484	4.543	2.513	0.9152	0.6101	0.15
1977	6.41	4.428	2.517	0.9411	0.6274	0.1547
1978	6.558	4.625	2.602	0.9506	0.6338	0.1563
1979	6.497	4.563	2.532	0.9254	0.6169	0.1521
1980	6.441	4.477	2.472	0.9072	0.6048	0.1487
1981	6.497	4.551	2.525	0.9253	0.6169	0.1521
1982	6.522	4.602	2.564	0.9403	0.6269	0.1546
1983	7.194	5.181	3.226	1.218	0.8119	0.2002
1984	6.463	4.51	2.487	0.9046	0.6031	0.1483
1985	6.41	4.428	2.434	0.8913	0.5942	0.1465
1986	6.47	4.521	2.501	0.9149	0.61	0.1504
1987	6.387	4.392	2.402	0.8734	0.5823	0.1436
1988	6.802	4.718	2.643	0.9742	0.6495	0.1597
1989	6.376	4.375	2.392	0.8725	0.5817	0.1434
1990	6.396	4.391	2.401	0.8768	0.5845	0.1441

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	7.194	5.181	3.226	1.218	0.8119	0.2002
0.0645161290322581	6.855	4.927	2.766	1.017	0.678	0.1672
0.0967741935483871	6.802	4.718	2.643	0.9742		0.6495
0.1597						
0.129032258064516	6.594	4.711	2.641	0.966	0.644	0.1588
0.161290322580645	6.584	4.67	2.618	0.9651	0.6434	0.1586
0.193548387096774	6.567	4.63	2.602	0.9506	0.6338	0.1563
0.225806451612903	6.558	4.625	2.564	0.942	0.628	0.1549
0.258064516129032	6.522	4.602	2.559	0.9411	0.6274	0.1547
0.290322580645161	6.514	4.588	2.559	0.9403	0.6269	0.1546
0.32258064516129	6.513	4.587	2.548	0.9359	0.624	0.1539
0.354838709677419	6.501	4.569	2.54	0.9327	0.6218	0.1533
0.387096774193548	6.501	4.567	2.539	0.9308	0.6206	0.153

0.419354838709677	6.497	4.563	2.532	0.9305	0.6204	0.153
0.451612903225806	6.497	4.551	2.525	0.9254	0.6169	0.1521
0.483870967741936	6.484	4.543	2.517	0.9253	0.6169	0.1521
0.516129032258065	6.473	4.526	2.513	0.9211	0.6141	0.151
0.548387096774194	6.472	4.526	2.509	0.9157	0.6105	0.1504
0.580645161290323	6.47	4.521	2.504	0.9152	0.6101	0.1501
0.612903225806452	6.463	4.51	2.501	0.9149	0.61	0.15
0.645161290322581	6.446	4.484	2.487	0.9072	0.6048	0.1487
0.67741935483871	6.441	4.478	2.476	0.9067	0.6045	0.1486
0.709677419354839	6.429	4.477	2.472	0.9046	0.6031	0.1486
0.741935483870968	6.427	4.454	2.461	0.9038	0.6026	0.1483
0.774193548387097	6.423	4.447	2.45	0.898	0.5987	0.1476
0.806451612903226	6.41	4.428	2.448	0.8913	0.5942	0.1465
0.838709677419355	6.41	4.428	2.434	0.8911	0.5941	0.1465
0.870967741935484	6.396	4.398	2.411	0.8804	0.5869	0.1447
0.903225806451613	6.391	4.392	2.402	0.8768	0.5845	0.1441
0.935483870967742	6.387	4.391	2.401	0.8734	0.5823	0.1436
0.967741935483871	6.376	4.375	2.392	0.8725	0.5817	0.1434

0.1	6.7812	4.7173	2.6428	0.97338	0.64895
	0.15961				

Average of yearly averages: 0.15315

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

Data used for this run:

Output File: NALrangx

Metfile: w23232.dvf

PRZM scenario: CARangelandhay.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	180	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	0.47	kg/ha		
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Application Efficiency: APPEFF	0.95	fraction		
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Spray Drift DRFT	0.227	fraction of	application rate applied to pond	
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Application Date	Date	15-4	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	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 none, monthly or
total(average of entire run)

Hops - ground spray

stored as NALhopGx.out

Chemical: NALED

PRZM environment: ORhopsC.txt modified Satday, 12 October 2002 at 15:19:34

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

Metfile: w24232.dvf modified Wedday, 3 July 2002 at 08:06:10

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.474	1.043	0.622	0.5293	0.3905	0.09631
1962	1.481	1.056	0.6361	0.5476	0.4008	0.09886
1963	2.833	2.253	1.241	0.7739	0.5529	0.1365
1964	1.472	1.04	0.6211	0.5373	0.3929	0.09663
1965	1.479	1.111	0.6512	0.5634	0.4108	0.1013
1966	1.47	1.036	0.6164	0.532	0.3891	0.09598
1967	1.472	1.039	0.6186	0.5283	0.3846	0.09484
1968	1.499	1.135	0.6973	0.577	0.4192	0.1126
1969	3.539	2.404	0.999	0.638	0.5018	0.1241
1970	1.47	1.036	0.6159	0.5259	0.3828	0.09461
1971	2.33	1.635	0.6998	0.5729	0.425	0.1386
1972	2.804	1.971	1.004	0.6718	0.4821	0.1187
1973	1.466	1.028	0.6101	0.5301	0.3875	0.0956
1974	1.477	1.048	0.6279	0.5382	0.3933	0.09699
1975	1.487	1.116	0.6628	0.5624	0.4102	0.1012
1976	1.474	1.044	0.6257	0.5462	0.4009	0.09861
1977	1.885	1.344	0.7393	0.5781	0.42	0.1043
1978	1.964	1.384	0.7565	0.5857	0.4229	0.1044
1979	1.696	1.165	0.6625	0.5528	0.4017	0.122
1980	1.921	1.432	0.7801	0.6052	0.4409	0.1084
1981	1.841	1.282	0.8311	0.6287	0.4557	0.1125
1982	1.468	1.033	0.6129	0.5233	0.3817	0.09416
1983	1.476	1.029	0.6076	0.5352	0.3979	0.09842
1984	2.469	1.751	0.961	0.7747	0.5639	0.1396
1985	2.865	2.023	1.18	0.7501	0.5337	0.1316
1986	1.542	1.085	0.635	0.5399	0.4013	0.099
1987	3.737	2.543	0.8454	0.6018	0.5612	0.1424
1988	1.482	1.077	0.6475	0.5534	0.4035	0.09925
1989	1.467	1.03	0.6111	0.5255	0.3843	0.09478
1990	1.479	1.043	0.6237	0.5344	0.389	0.09592

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	3.737	2.543	1.241	0.7747	0.5639	0.1424
0.0645161290322581		3.539	2.404	1.18	0.7739	0.5612
0.1396						
0.0967741935483871		2.865	2.253	1.004	0.7501	0.5529
0.1386						
0.129032258064516	2.833	2.023	0.999	0.6718	0.5337	0.1365
0.161290322580645	2.804	1.971	0.961	0.638	0.5018	0.1316
0.193548387096774	2.469	1.751	0.8454		0.6287	0.4821
0.1241						
0.225806451612903	2.33	1.635	0.8311		0.6052	0.4557
0.258064516129032	1.964	1.432	0.7801		0.6018	0.4409
0.1187						
0.290322580645161	1.921	1.384	0.7565		0.5857	0.425
						0.1126

0.32258064516129	1.885	1.344	0.7393	0.5781	0.4229	
0.1125						
0.354838709677419	1.841	1.282	0.6998	0.577	0.42	0.1084
0.387096774193548	1.696	1.165	0.6973	0.5729		0.4192
0.1044						
0.419354838709677	1.542	1.135	0.6628	0.5634		0.4108
0.1043						
0.451612903225806	1.499	1.116	0.6625	0.5624		0.4102
0.1013						
0.483870967741936	1.487	1.111	0.6512	0.5534		0.4035
0.1012						
0.516129032258065	1.482	1.085	0.6475	0.5528		0.4017
0.09925						
0.548387096774194	1.481	1.077	0.6361	0.5476	0.4013	0.099
0.580645161290323	1.479	1.056	0.635	0.5462	0.4009	0.09886
0.612903225806452	1.479	1.048	0.6279	0.5399	0.4008	
0.09861						
0.645161290322581	1.477	1.044	0.6257	0.5382	0.3979	
0.09842						
0.67741935483871	1.476	1.043	0.6237	0.5373	0.3933	
0.09699						
0.709677419354839	1.474	1.043	0.622	0.5352	0.3929	0.09663
0.741935483870968	1.474	1.04	0.6211	0.5344	0.3905	
0.09631						
0.774193548387097	1.472	1.039	0.6186	0.532	0.3891	0.09598
0.806451612903226	1.472	1.036	0.6164	0.5301	0.389	0.09592
0.838709677419355	1.47	1.036	0.6159	0.5293	0.3875	
0.0956						
0.870967741935484	1.47	1.033	0.6129	0.5283	0.3846	
0.09484						
0.903225806451613	1.468	1.03	0.6111	0.5259	0.3843	
0.09478						
0.935483870967742	1.467	1.029	0.6101	0.5255	0.3828	
0.09461						
0.967741935483871	1.466	1.028	0.6076	0.5233	0.3817	
0.09416						

0.1	2.8618	2.23	1.0035	0.74227	0.55098	0.13839
Average of yearly averages:						0.108272

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

Data used for this run:

Output File: NALhopGx

Metfile: w24232.dvf

PRZM scenario: ORhopsC.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	180	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
 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 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.01 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.027 fraction of application rate applied to pond
 Application Date Date 1-5 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.
 Interval 2 interval 14 days Set to 0 or delete line for single
 app.
 Interval 3 interval 14 days Set to 0 or delete line for single
 app.
 Interval 4 interval 14 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 none, monthly or
 total(average of entire run)

Hops - aerial spray

stored as NALhopAx.out

Chemical: NALED

PRZM environment: ORhopsC.txt modified Satday, 12 October 2002 at 15:19:34

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

Metfile: w24232.dvf modified Wedday, 3 July 2002 at 08:06:10

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.55	4.634	2.765	2.357	1.723	0.4248
1962	6.583	4.692	2.826	2.432	1.78	0.439
1963	6.904	4.868	3.258	2.614	1.907	0.4704
1964	6.542	4.623	2.76	2.388	1.746	0.4294
1965	6.569	4.669	2.804	2.439	1.781	0.4391
1966	6.531	4.602	2.74	2.364	1.73	0.4265
1967	6.54	4.616	2.749	2.348	1.709	0.4215
1968	6.56	4.71	2.829	2.421	1.767	0.4438
1969	8.415	5.717	2.926	2.392	1.788	0.4412
1970	6.534	4.604	2.737	2.337	1.701	0.4197
1971	6.799	4.752	2.785	2.451	1.799	0.476
1972	6.893	5.433	3.09	2.495	1.815	0.4467
1973	6.513	4.571	2.712	2.355	1.722	0.4246
1974	6.563	4.657	2.791	2.392	1.748	0.4311
1975	6.539	4.617	2.76	2.416	1.768	0.4359
1976	6.551	4.641	2.781	2.428	1.782	0.4382
1977	6.935	4.944	2.914	2.437	1.778	0.4392
1978	6.977	4.918	2.847	2.386	1.732	0.4273
1979	6.512	4.557	2.696	2.357	1.719	0.4459
1980	6.557	4.946	2.863	2.477	1.813	0.4458
1981	6.858	4.771	2.917	2.479	1.813	0.4473
1982	6.526	4.59	2.724	2.326	1.697	0.4184
1983	6.497	4.541	2.687	2.348	1.728	0.4263
1984	7.119	5.046	3.027	2.64	1.93	0.4755
1985	7.226	4.971	3.217	2.575	1.862	0.4592
1986	6.522	4.583	2.721	2.344	1.721	0.4244
1987	6.491	4.528	2.668	2.3	1.858	0.4619
1988	6.546	4.664	2.787	2.409	1.76	0.4328
1989	6.519	4.579	2.716	2.336	1.708	0.4213
1990	6.542	4.612	2.749	2.366	1.723	0.4249

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	8.415	5.717	3.258	2.64	1.93	0.476
0.0645161290322581	7.226	5.433	3.217	2.614	1.907	0.4755
0.0967741935483871	7.119	5.046	3.09	2.575	1.862	0.4704
0.129032258064516	6.977	4.971	3.027	2.495	1.858	0.4619
0.161290322580645	6.935	4.946	2.926	2.479	1.815	0.4592
0.193548387096774	6.904	4.944	2.917	2.477	1.813	0.4473
0.225806451612903	6.893	4.918	2.914	2.451	1.813	0.4467
0.258064516129032	6.858	4.868	2.863	2.439	1.799	0.4459
0.290322580645161	6.799	4.771	2.847	2.437	1.788	0.4458
0.32258064516129	6.583	4.752	2.829	2.432	1.782	0.4438
0.354838709677419	6.569	4.71	2.826	2.428	1.781	0.4412
0.387096774193548	6.563	4.692	2.804	2.421	1.78	0.4392
0.419354838709677	6.56	4.669	2.791	2.416	1.778	0.4391

0.451612903225806	6.557	4.664	2.787	2.409	1.768	0.439
0.483870967741936	6.551	4.657	2.785	2.392	1.767	0.4382
0.516129032258065	6.55	4.641	2.781	2.392	1.76	0.4359
0.548387096774194	6.546	4.634	2.765	2.388	1.748	0.4328
0.580645161290323	6.542	4.623	2.76	2.386	1.746	0.4311
0.612903225806452	6.542	4.617	2.76	2.366	1.732	0.4294
0.645161290322581	6.54	4.616	2.749	2.364	1.73	0.4273
0.67741935483871	6.539	4.612	2.749	2.357	1.728	0.4265
0.709677419354839	6.534	4.604	2.74	2.357	1.723	0.4263
0.741935483870968	6.531	4.602	2.737	2.355	1.723	0.4249
0.774193548387097	6.526	4.59	2.724	2.348	1.722	0.4248
0.806451612903226	6.522	4.583	2.721	2.348	1.721	0.4246
0.838709677419355	6.519	4.579	2.716	2.344	1.719	0.4244
0.870967741935484	6.513	4.571	2.712	2.337	1.709	0.4215
0.903225806451613	6.512	4.557	2.696	2.336	1.708	0.4213
0.935483870967742	6.497	4.541	2.687	2.326	1.701	0.4197
0.967741935483871	6.491	4.528	2.668	2.3	1.697	0.4184

0.1	7.1048	5.0385	3.0837	2.567	1.8616	0.46955
Average of yearly averages:						

0.4386033333333333

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

Data used for this run:

Output File: NALhopAx

Metfile: w24232.dvf

PRZM scenario: ORhopsC.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	1.01	kg/ha		
Application Efficiency:	APPEFF			0.95	fraction
Spray Drift	DRFT	0.12	fraction of		application rate applied to pond
Application Date	Date	1-5	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.
Interval 2	interval	14	days		Set to 0 or delete line for single app.
Interval 3	interval	14	days		Set to 0 or delete line for single app.

Interval 4 interval 14 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 none, monthly or
total(average of entire run)

Safflower

stored as NALSafx.out

Chemical: NALED

PRZM environment: CAWheatRLF.txt modified Tuesday, 20 February 2007
at 11:03:36

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

Metfile: w93193.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	13.43	6.062	1.866	0.6531	0.4354	0.1074
1962	16.57	8.448	2.04	0.714	0.476	0.1174
1963	15.82	8.203	2.238	0.7835	0.5223	0.1288
1964	22.48	9.322	2.528	0.8848	0.5899	0.1451
1965	17.83	9.746	2.4	0.8402	0.5602	0.1381
1966	15.27	7.716	1.998	0.6994	0.4663	0.115
1967	11.3	5.503	1.861	0.6518	0.4345	0.1071
1968	14.42	6.768	1.956	0.6846	0.4564	0.1122
1969	14.21	7.043	2.192	0.7675	0.5117	0.1262
1970	16.54	8.385	2.012	0.7043	0.4695	0.1158
1971	15.49	7.979	2.119	0.7419	0.4946	0.1219
1972	14.84	7.39	1.875	0.6561	0.4374	0.1076
1973	13.55	6.131	1.849	0.6472	0.4315	0.1064
1974	14.16	6.629	1.952	0.6832	0.4554	0.1123
1975	14.4	6.985	2.056	0.7198	0.4799	0.1183
1976	14.48	7.173	2.137	0.748	0.4987	0.1226
1977	22.64	8.775	2.176	0.7618	0.5078	0.1252
1978	13.85	6.441	2	0.7001	0.4667	0.1151
1979	22.47	9.016	2.283	0.7992	0.5328	0.1314
1980	22.34	9.313	2.528	0.885	0.59	0.1451
1981	13.39	5.729	1.655	0.5792	0.3861	0.09521
1982	15.85	8.273	2.25	0.7875	0.525	0.1295
1983	14.63	7.021	2.091	0.7319	0.4879	0.1203
1984	12.79	6.188	1.874	0.6561	0.4374	0.1076
1985	8.851	3.76	1.282	0.4487	0.2991	0.07376
1986	16.67	8.215	1.881	0.6582	0.4388	0.1082
1987	22.34	8.371	2.034	0.7118	0.4745	0.117
1988	17.1	8.844	2.1	0.7352	0.4901	0.1205
1989	14.59	6.991	2.014	0.7049	0.4699	0.1159
1990	17.18	8.812	2.059	0.7207	0.4805	0.1185

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	22.64	9.746	2.528	0.885	0.59	0.1451
0.0645161290322581	22.48	9.322	2.528	0.8848		0.5899
0.1451						
0.0967741935483871	22.47	9.313	2.4	0.8402		0.5602
0.1381						
0.129032258064516	22.34	9.016	2.283	0.7992	0.5328	0.1314
0.161290322580645	22.34	8.844	2.25	0.7875	0.525	0.1295
0.193548387096774	17.83	8.812	2.238	0.7835	0.5223	0.1288
0.225806451612903	17.18	8.775	2.192	0.7675	0.5117	0.1262
0.258064516129032	17.1	8.448	2.176	0.7618	0.5078	0.1252
0.290322580645161	16.67	8.385	2.137	0.748	0.4987	0.1226
0.32258064516129	16.57	8.371	2.119	0.7419	0.4946	0.1219
0.354838709677419	16.54	8.273	2.1	0.7352	0.4901	0.1205

0.387096774193548	15.85	8.215	2.091	0.7319	0.4879	0.1203
0.419354838709677	15.82	8.203	2.059	0.7207	0.4805	0.1185
0.451612903225806	15.49	7.979	2.056	0.7198	0.4799	0.1183
0.483870967741936	15.27	7.716	2.04	0.714	0.476	0.1174
0.516129032258065	14.84	7.39	2.034	0.7118	0.4745	0.117
0.548387096774194	14.63	7.173	2.014	0.7049	0.4699	0.1159
0.580645161290323	14.59	7.043	2.012	0.7043	0.4695	0.1158
0.612903225806452	14.48	7.021	2	0.7001	0.4667	0.1151
0.645161290322581	14.42	6.991	1.998	0.6994	0.4663	0.115
0.67741935483871	14.4	6.985	1.956	0.6846	0.4564	0.1123
0.709677419354839	14.21	6.768	1.952	0.6832	0.4554	0.1122
0.741935483870968	14.16	6.629	1.881	0.6582	0.4388	0.1082
0.774193548387097	13.85	6.441	1.875	0.6561	0.4374	0.1076
0.806451612903226	13.55	6.188	1.874	0.6561	0.4374	0.1076
0.838709677419355	13.43	6.131	1.866	0.6531	0.4354	0.1074
0.870967741935484	13.39	6.062	1.861	0.6518	0.4345	0.1071
0.903225806451613	12.79	5.729	1.849	0.6472	0.4315	0.1064
0.935483870967742	11.3	5.503	1.655	0.5792	0.3861	0.09521
0.967741935483871	8.851	3.76	1.282	0.4487	0.2991	0.07376

0.1	22.457	9.2833	2.3883	0.8361	0.55746
	0.13743				

Average of yearly averages:

0.117515666666667

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

Data used for this run:

Output File: NALSafx

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF.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	156000	mg/L	
Kd	Kd		mg/L	
Koc	Koc	180	mg/L	
Photolysis half-life	kdp	10	days	Half-life
Aerobic Aquatic Metabolism	kbacw	1.5	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	4.5	days	Halfife
Aerobic Soil Metabolism	asm	1	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	2.35	kg/ha	
Application Efficiency:	APPEFF	0.95		fraction
Spray Drift	DRFT	0.05	fraction of	application rate applied to pond
Application Date	Date	1-6	dd/mm	or dd/mm or dd-mm or dd-mmm

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 none, monthly or
total(average of entire run)

Strawberry

stored as NALberyx.out

Chemical: NALED

PRZM environment: CASTrawberry-noplasticRLF.txt modified Tuesday, 20 February 2007 at 11:04:00

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	8.37	5.879	4.608	2.683	1.79	0.4413
1962	8.367	5.915	4.652	2.73	1.822	0.4492
1963	8.352	5.906	4.666	2.771	1.849	0.456
1964	8.451	5.971	4.674	2.888	1.929	0.4742
1965	8.393	5.998	4.727	2.784	1.858	0.4582
1966	8.508	5.994	4.66	2.73	1.821	0.4491
1967	11.08	7.759	5.36	3.314	2.213	0.5457
1968	8.352	5.921	4.683	2.747	1.833	0.4507
1969	8.274	5.786	4.537	2.666	1.779	0.4387
1970	8.26	5.756	4.484	2.651	1.769	0.4361
1971	8.521	6.019	4.687	2.752	1.836	0.4528
1972	8.291	5.866	4.613	2.718	1.814	0.446
1973	8.276	5.838	4.565	2.675	1.785	0.4401
1974	8.334	5.919	4.659	2.737	1.826	0.4503
1975	8.293	5.842	4.585	2.693	1.797	0.4431
1976	8.353	5.86	4.579	2.684	1.791	0.4404
1977	8.433	5.953	4.673	2.739	1.828	0.4507
1978	8.144	5.696	4.455	2.624	1.751	0.4318
1979	8.233	5.73	4.476	2.63	1.755	0.4327
1980	8.425	5.942	4.654	2.732	1.823	0.4483
1981	8.246	5.831	4.541	2.658	1.773	0.4373
1982	8.328	5.885	4.625	2.719	1.814	0.4473
1983	8.241	5.83	4.56	2.675	1.785	0.44
1984	8.133	5.661	4.421	2.606	1.739	0.4276
1985	8.436	5.911	4.578	2.672	1.782	0.4395
1986	8.315	5.832	4.57	2.675	1.785	0.4401
1987	8.212	5.694	4.442	2.607	1.739	0.4289
1988	8.217	5.739	4.496	2.822	1.884	0.4632
1989	8.288	5.78	4.494	2.641	1.762	0.4344
1990	13.44	10.11	6.06	3.295	2.199	0.5421

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	13.44	10.11	6.06	3.314	2.213	0.5457
0.0645161290322581		11.08	7.759	5.36	3.295	2.199 0.5421
0.0967741935483871		8.521	6.019	4.727	2.888	1.929 0.4742
0.129032258064516	8.508	5.998	4.687	2.822	1.884	0.4632
0.161290322580645	8.451	5.994	4.683	2.784	1.858	0.4582
0.193548387096774	8.436	5.971	4.674	2.771	1.849	0.456
0.225806451612903	8.433	5.953	4.673	2.752	1.836	0.4528
0.258064516129032	8.425	5.942	4.666	2.747	1.833	0.4507
0.290322580645161	8.393	5.921	4.66	2.739	1.828	0.4507
0.32258064516129	8.37	5.919	4.659	2.737	1.826	0.4503
0.354838709677419	8.367	5.915	4.654	2.732	1.823	0.4492
0.387096774193548	8.353	5.911	4.652	2.73	1.822	0.4491
0.419354838709677	8.352	5.906	4.625	2.73	1.821	0.4483

0.451612903225806	8.352	5.885	4.613	2.719	1.814	0.4473
0.483870967741936	8.334	5.879	4.608	2.718	1.814	0.446
0.516129032258065	8.328	5.866	4.585	2.693	1.797	0.4431
0.548387096774194	8.315	5.86	4.579	2.684	1.791	0.4413
0.580645161290323	8.293	5.842	4.578	2.683	1.79	0.4404
0.612903225806452	8.291	5.838	4.57	2.675	1.785	0.4401
0.645161290322581	8.288	5.832	4.565	2.675	1.785	0.4401
0.67741935483871	8.276	5.831	4.56	2.675	1.785	0.44
0.709677419354839	8.274	5.83	4.541	2.672	1.782	0.4395
0.741935483870968	8.26	5.786	4.537	2.666	1.779	0.4387
0.774193548387097	8.246	5.78	4.496	2.658	1.773	0.4373
0.806451612903226	8.241	5.756	4.494	2.651	1.769	0.4361
0.838709677419355	8.233	5.739	4.484	2.641	1.762	0.4344
0.870967741935484	8.217	5.73	4.476	2.63	1.755	0.4327
0.903225806451613	8.212	5.696	4.455	2.624	1.751	0.4318
0.935483870967742	8.144	5.694	4.442	2.607	1.739	0.4289
0.967741935483871	8.133	5.661	4.421	2.606	1.739	0.4276
0.1	8.5197	6.0169	4.723	2.8814	1.9245	0.4731
			Average of yearly averages:			
0.451193333333333						

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

Data used for this run:

Output File: NALberyx

Metfile: w23234.dvf

PRZM scenario: CASTrawberry-noplasticRLF.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	1.01	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.12	fraction of		application rate applied to pond
Application Date	Date	1-5	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.

Interval 4 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 none, monthly or
total(average of entire run)

Melons, etc.

stored as NALeggx.out

Chemical: NALED

PRZM environment: CAMelonsRLF.txt modified Tuesday, 20 February 2007
at 11:05:32

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

Metfile: w93193.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	12.16	8.267	5.952	2.77	1.847	0.4554
1962	12.08	8.177	5.967	2.803	1.869	0.4609
1963	11.95	8.015	5.953	2.812	1.875	0.4623
1964	12.05	8.151	6.01	2.833	1.889	0.4644
1965	11.89	7.945	5.946	2.815	1.877	0.4628
1966	11.68	7.658	5.611	2.643	1.762	0.4345
1967	11.84	7.881	5.837	2.756	1.837	0.453
1968	11.89	7.918	5.741	2.695	1.796	0.4417
1969	11.74	7.727	5.777	2.735	1.824	0.4497
1970	11.69	7.655	5.615	2.646	1.764	0.4349
1971	12.66	8.618	6.224	2.91	1.94	0.4784
1972	11.74	7.947	5.869	2.763	1.842	0.453
1973	11.57	7.518	5.466	2.571	1.714	0.4226
1974	11.78	7.791	5.672	2.667	1.778	0.4383
1975	11.81	7.839	5.774	2.722	1.815	0.4475
1976	11.76	7.774	5.8	2.748	1.832	0.4505
1977	12.15	8.252	5.928	2.753	1.835	0.4526
1978	11.74	7.732	5.66	2.665	1.776	0.438
1979	11.66	7.638	5.551	2.61	1.74	0.4291
1980	11.95	8.025	5.937	2.801	1.868	0.4593
1981	11.71	7.681	5.48	2.546	1.697	0.4186
1982	11.79	7.81	5.827	2.756	1.838	0.4531
1983	11.76	7.766	5.689	2.679	1.786	0.4403
1984	11.41	7.291	5.352	2.523	1.682	0.4135
1985	11.76	7.753	5.538	2.576	1.717	0.4234
1986	11.63	7.589	5.48	2.572	1.715	0.4228
1987	13.6	8.915	6.165	2.892	1.928	0.4755
1988	11.94	8.002	5.863	2.76	1.84	0.4525
1989	11.78	7.788	5.683	2.674	1.783	0.4396
1990	13.14	8.74	6.071	2.819	1.88	0.4635

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	13.6	8.915	6.224	2.91	1.94	0.4784
0.0645161290322581	13.14	8.74	6.165	2.892	1.928	0.4755
0.0967741935483871	12.66	8.618	6.071	2.833	1.889	0.4644
0.129032258064516	12.16	8.267	6.01	2.819	1.88	0.4635
0.161290322580645	12.15	8.252	5.967	2.815	1.877	0.4628
0.193548387096774	12.08	8.177	5.953	2.812	1.875	0.4623
0.225806451612903	12.05	8.151	5.952	2.803	1.869	0.4609
0.258064516129032	11.95	8.025	5.946	2.801	1.868	0.4593
0.290322580645161	11.95	8.015	5.937	2.77	1.847	0.4554
0.32258064516129	11.94	8.002	5.928	2.763	1.842	0.4531
0.354838709677419	11.89	7.947	5.869	2.76	1.84	0.453
0.387096774193548	11.89	7.945	5.863	2.756	1.838	0.453
0.419354838709677	11.84	7.918	5.837	2.756	1.837	0.4526

0.451612903225806	11.81	7.881	5.827	2.753	1.835	0.4525
0.483870967741936	11.79	7.839	5.8	2.748	1.832	0.4505
0.516129032258065	11.78	7.81	5.777	2.735	1.824	0.4497
0.548387096774194	11.78	7.791	5.774	2.722	1.815	0.4475
0.580645161290323	11.76	7.788	5.741	2.695	1.796	0.4417
0.612903225806452	11.76	7.774	5.689	2.679	1.786	0.4403
0.645161290322581	11.76	7.766	5.683	2.674	1.783	0.4396
0.67741935483871	11.74	7.753	5.672	2.667	1.778	0.4383
0.709677419354839	11.74	7.732	5.66	2.665	1.776	0.438
0.741935483870968	11.74	7.727	5.615	2.646	1.764	0.4349
0.774193548387097	11.71	7.681	5.611	2.643	1.762	0.4345
0.806451612903226	11.69	7.658	5.551	2.61	1.74	0.4291
0.838709677419355	11.68	7.655	5.538	2.576	1.717	0.4234
0.870967741935484	11.66	7.638	5.48	2.572	1.715	0.4228
0.903225806451613	11.63	7.589	5.48	2.571	1.714	0.4226
0.935483870967742	11.57	7.518	5.466	2.546	1.697	0.4186
0.967741935483871	11.41	7.291	5.352	2.523	1.682	0.4135

0.1	12.61	8.5829	6.0649	2.8316	1.8881	0.46431
Average of yearly averages:						0.44639

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

Data used for this run:

Output File: NALeggx

Metfile: w93193.dvf

PRZM scenario: CAMelonsRLF.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	180	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.57	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 none, monthly or
total(average of entire run)

Brussels Sprouts

stored as NALbrusx.out

Chemical: NALED

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

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

Metfile: w23273.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	16.95	11.69	9.13	5.361	3.576	0.8818
1962	17.24	12.05	9.447	5.558	3.708	0.9143
1963	17.12	11.9	9.322	5.484	3.659	0.9021
1964	17.21	12.01	9.433	5.555	3.706	0.9113
1965	17.22	12.02	9.446	5.562	3.71	0.9149
1966	17.17	11.98	9.346	5.489	3.662	0.903
1967	17.17	12	9.385	5.535	3.692	0.9105
1968	17.02	11.78	9.2	5.41	3.608	0.8873
1969	17.17	11.96	9.367	5.51	3.676	0.9063
1970	17.21	12.01	9.429	5.552	3.704	0.9134
1971	17.27	12.08	9.49	5.585	3.726	0.9188
1972	17.04	11.81	9.247	5.443	3.631	0.8929
1973	17.12	11.93	9.251	5.422	3.617	0.8919
1974	17.1	11.88	9.309	5.48	3.656	0.9014
1975	17.24	12.05	9.441	5.554	3.705	0.9136
1976	17.07	11.86	9.207	5.399	3.602	0.8857
1977	17.02	11.78	9.217	5.427	3.62	0.8927
1978	17.19	12	9.376	5.51	3.676	0.9063
1979	17.1	11.88	9.277	5.452	3.637	0.8968
1980	16.98	11.79	9.161	5.401	3.603	0.8859
1981	16.85	11.59	8.956	5.247	3.5	0.8629
1982	17.03	11.79	9.233	5.436	3.626	0.894
1983	16.72	11.51	8.823	5.198	3.467	0.8548
1984	16.82	11.62	8.867	5.221	3.482	0.8562
1985	16.58	11.33	8.669	5.106	3.406	0.8398
1986	16.96	11.72	9.148	5.387	3.593	0.886
1987	17.07	11.85	9.261	5.447	3.633	0.8959
1988	16.93	11.75	9.088	5.359	3.575	0.879
1989	17	11.77	9.173	5.391	3.596	0.8867
1990	16.89	11.67	9.052	5.334	3.557	0.8772

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	17.27	12.08	9.49	5.585	3.726	0.9188
0.0645161290322581	17.24	12.05	9.447	5.562	3.71	0.9149
0.0967741935483871	17.24	12.05	9.446	5.558	3.708	0.9143
0.129032258064516	17.22	12.02	9.441	5.555	3.706	0.9136
0.161290322580645	17.21	12.01	9.433	5.554	3.705	0.9134
0.193548387096774	17.21	12.01	9.429	5.552	3.704	0.9113
0.225806451612903	17.19	12	9.385	5.535	3.692	0.9105
0.258064516129032	17.17	12	9.376	5.51	3.676	0.9063
0.290322580645161	17.17	11.98	9.367	5.51	3.676	0.9063
0.32258064516129	17.17	11.96	9.346	5.489	3.662	0.903
0.354838709677419	17.12	11.93	9.322	5.484	3.659	0.9021
0.387096774193548	17.12	11.9	9.309	5.48	3.656	0.9014
0.419354838709677	17.1	11.88	9.277	5.452	3.637	0.8968

0.451612903225806	17.1	11.88	9.261	5.447	3.633	0.8959
0.483870967741936	17.07	11.86	9.251	5.443	3.631	0.894
0.516129032258065	17.07	11.85	9.247	5.436	3.626	0.8929
0.548387096774194	17.04	11.81	9.233	5.427	3.62	0.8927
0.580645161290323	17.03	11.79	9.217	5.422	3.617	0.8919
0.612903225806452	17.02	11.79	9.207	5.41	3.608	0.8873
0.645161290322581	17.02	11.78	9.2	5.401	3.603	0.8867
0.67741935483871	17	11.78	9.173	5.399	3.602	0.886
0.709677419354839	16.98	11.77	9.161	5.391	3.596	0.8859
0.741935483870968	16.96	11.75	9.148	5.387	3.593	0.8857
0.774193548387097	16.95	11.72	9.13	5.361	3.576	0.8818
0.806451612903226	16.93	11.69	9.088	5.359	3.575	0.879
0.838709677419355	16.89	11.67	9.052	5.334	3.557	0.8772
0.870967741935484	16.85	11.62	8.956	5.247	3.5	0.8629
0.903225806451613	16.82	11.59	8.867	5.221	3.482	0.8562
0.935483870967742	16.72	11.51	8.823	5.198	3.467	0.8548
0.967741935483871	16.58	11.33	8.669	5.106	3.406	0.8398

0.1	17.238	12.047	9.4455	5.5577	3.7078
	0.91423				

Average of yearly averages:

0.892113333333333

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

Data used for this run:

Output File: NALbrusx

Metfile: w23273.dvf

PRZM scenario: CAlettuceSTD.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	180	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	2	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	15-6	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.

Interval 4 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 none, monthly or
total(average of entire run)

Grapes

stored as NALgrapGx.out

Chemical: NALED

PRZM environment: CAgapes_NirrigC.txt modified Thuday, 17 June 2004
at 07:13:38

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

Metfile: w93193.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	0.9333		0.6371	0.4805	0.4149	0.377 0.09348
1962	0.9276		0.6297	0.4739	0.4193	0.3834
	0.0951					
1963	0.9178		0.6166	0.462 0.4251	0.3908	0.09704
1964	0.9257		0.6272	0.4716	0.425 0.387	0.09574
1965	0.9133		0.6106	0.4579	0.4267	0.3898
	0.09674					
1966	0.8979		0.5895	0.4372	0.4008	0.3723
	0.09243					
1967	0.91	0.6061	0.4524	0.415	0.3753	0.09299
1968	0.9123		0.6093	0.4553	0.4038	0.3699
	0.0915					
1969	0.9007		0.5933	0.4429	0.4159	0.3796
	0.09416					
1970	0.8971		0.5884	0.4362	0.3995	0.3648
	0.09044					
1971	0.9336		0.6375	0.481 0.4265	0.3864	0.09578
1972	0.9022		0.5954	0.4426	0.3992	0.3677
	0.09095					
1973	0.8903		0.579 0.4275	0.3896	0.3616	0.08975
1974	0.9053		0.5997	0.4466	0.4012	0.3695
	0.09168					
1975	0.9078		0.6032	0.4497	0.412 0.3808	0.09458
1976	0.9037		0.5976	0.4453	0.4152	0.3814
	0.09475					
1977	0.9328		0.6364	0.48 0.4109	0.3738	0.09269
1978	1.071 0.6957		0.4424	0.4017	0.3675	0.1036
1979	0.8969		0.5881	0.4359	0.3937	0.3626
	0.08993					
1980	0.9181		0.617 0.4623	0.4206	0.3797	0.09383
1981	0.9001		0.5926	0.44 0.3816	0.3494	0.08657
1982	0.906 0.6007		0.4485	0.4179	0.3814	0.09478
1983	0.9039		0.5978	0.4447	0.4051	0.3752
	0.09314					
1984	0.8781		0.5615	0.4116	0.3829	0.347 0.08568
1985	0.9041		0.5981	0.4451	0.386 0.3502	0.08674
1986	0.8946		0.5849	0.433 0.3875	0.3582	0.0888
1987	0.8997		0.5878	0.435 0.3938	0.3699	0.09193
1988	0.9172		0.6158	0.4612	0.4136	0.3711
	0.09164					
1989	0.9052		0.5996	0.4464	0.4021	0.3676
	0.09148					
1990	2.963 1.976	0.9361		0.5848	0.4876	0.1207

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	2.963	1.976	0.9361	0.5848	0.4876	
0.1207						
0.0645161290322581		1.071	0.6957	0.481	0.4267	0.3908
0.1036						
0.0967741935483871		0.9336	0.6375	0.4805	0.4265	
0.3898	0.09704					
0.129032258064516	0.9333		0.6371	0.48	0.4251	0.387
0.09674						
0.161290322580645	0.9328		0.6364	0.4739	0.425	0.3864
0.09578						
0.193548387096774	0.9276		0.6297	0.4716	0.4206	
0.3834	0.09574					
0.225806451612903	0.9257		0.6272	0.4623	0.4193	
0.3814	0.0951					
0.258064516129032	0.9181		0.617	0.462	0.4179	0.3814
0.09478						
0.290322580645161	0.9178		0.6166	0.4612	0.4159	
0.3808	0.09475					
0.32258064516129	0.9172		0.6158	0.4579	0.4152	
0.3797	0.09458					
0.354838709677419	0.9133		0.6106	0.4553	0.415	0.3796
0.09416						
0.387096774193548	0.9123		0.6093	0.4524	0.4149	0.377
0.09383						
0.419354838709677	0.91	0.6061	0.4497	0.4136	0.3753	
0.09348						
0.451612903225806	0.9078		0.6032	0.4485	0.412	0.3752
0.09314						
0.483870967741936	0.906	0.6007	0.4466	0.4109	0.3738	
0.09299						
0.516129032258065	0.9053		0.5997	0.4464	0.4051	
0.3723	0.09269					
0.548387096774194	0.9052		0.5996	0.4453	0.4038	
0.3711	0.09243					
0.580645161290323	0.9041		0.5981	0.4451	0.4021	
0.3699	0.09193					
0.612903225806452	0.9039		0.5978	0.4447	0.4017	
0.3699	0.09168					
0.645161290322581	0.9037		0.5976	0.4429	0.4012	
0.3695	0.09164					
0.67741935483871	0.9022		0.5954	0.4426	0.4008	
0.3677	0.0915					
0.709677419354839	0.9007		0.5933	0.4424	0.3995	
0.3676	0.09148					
0.741935483870968	0.9001		0.5926	0.44	0.3992	0.3675
0.09095						
0.774193548387097	0.8997		0.5895	0.4372	0.3938	
0.3648	0.09044					
0.806451612903226	0.8979		0.5884	0.4362	0.3937	
0.3626	0.08993					
0.838709677419355	0.8971		0.5881	0.4359	0.3896	
0.3616	0.08975					
0.870967741935484	0.8969		0.5878	0.435	0.3875	0.3582
0.0888						
0.903225806451613	0.8946		0.5849	0.433	0.386	0.3502
0.08674						

0.935483870967742	0.8903	0.579	0.4275	0.3829	0.3494
0.08657					
0.967741935483871	0.8781	0.5615	0.4116	0.3816	0.347
0.08568					
0.1	0.93357	0.63746	0.48045	0.42636	0.38952
	0.09701				
			Average of yearly averages:		
	0.0936206666666666				

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

Data used for this run:

Output File: NALgrapGx

Metfile: w93193.dvf

PRZM scenario: CAgrapes_NirrigC.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	180	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	0.56	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.027	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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Interval 6	interval	8	days	Set to 0 or delete line for single app.	
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Interval 7	interval	8	days	Set to 0 or delete line for single app.	
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Interval 8	interval	8	days	Set to 0 or delete line for single app.	
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Interval 9	interval	8	days	Set to 0 or delete line for single app.	
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Interval 10 interval 8 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 none, monthly or
total(average of entire run)

Peaches

stored as NALpechx.out

Chemical: NALED

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 29 May 2007
at 11:42:32

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

Metfile: w93193.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	2.874	1.964	0.6361	0.2245	0.1497	0.0369
1962	2.874	1.915	0.6633	0.2345	0.1563	0.03855
1963	2.874	2.084	0.6916	0.2446	0.163	0.0402
1964	3.301	2.129	0.7151	0.253	0.1686	0.04147
1965	3.34	2.187	0.7564	0.2681	0.1788	0.04408
1966	3.351	2.117	0.7007	0.2474	0.1649	0.04067
1967	2.874	2.094	0.6908	0.2442	0.1628	0.04014
1968	3.32	2.079	0.6766	0.2387	0.1591	0.03913
1969	3.353	2.183	0.7432	0.2631	0.1754	0.04325
1970	3.355	2.125	0.7026	0.2481	0.1654	0.04078
1971	2.874	2.082	0.6844	0.2417	0.1612	0.03974
1972	2.874	2.028	0.685	0.2416	0.161	0.0396
1973	2.874	1.882	0.6354	0.2243	0.1496	0.03688
1974	2.874	1.903	0.6514	0.23	0.1533	0.03781
1975	2.874	2.055	0.6717	0.2372	0.1581	0.03899
1976	3.373	2.183	0.7307	0.2585	0.1723	0.04237
1977	2.874	1.856	0.5959	0.2105	0.1403	0.0346
1978	3.324	2.102	0.6998	0.2469	0.1646	0.04059
1979	2.874	1.953	0.6388	0.2253	0.1502	0.03703
1980	3.318	2.144	0.7359	0.2602	0.1734	0.04265
1981	2.874	1.936	0.5874	0.2065	0.1377	0.03395
1982	2.874	1.966	0.7098	0.2516	0.1677	0.04135
1983	2.874	2.058	0.6646	0.2345	0.1564	0.03856
1984	2.874	1.804	0.5856	0.2075	0.1383	0.03401
1985	3.371	2.039	0.6143	0.2162	0.1441	0.03554
1986	2.874	1.935	0.6257	0.2205	0.147	0.03624
1987	2.874	1.957	0.6369	0.2247	0.1498	0.03694
1988	2.874	1.984	0.6641	0.2347	0.1565	0.03848
1989	2.874	2.015	0.6528	0.2301	0.1534	0.03783
1990	2.874	2.032	0.6553	0.231	0.154	0.03798

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	3.373	2.187	0.7564	0.2681	0.1788	
0.04408						
0.0645161290322581	3.371	2.183	0.7432	0.2631	0.1754	
0.04325						
0.0967741935483871	3.355	2.183	0.7359	0.2602	0.1734	
0.04265						
0.129032258064516	3.353	2.144	0.7307	0.2585	0.1723	
0.04237						
0.161290322580645	3.351	2.129	0.7151	0.253	0.1686	0.04147
0.193548387096774	3.34	2.125	0.7098	0.2516	0.1677	
0.04135						
0.225806451612903	3.324	2.117	0.7026	0.2481	0.1654	
0.04078						

0.258064516129032	3.32	2.102	0.7007	0.2474	0.1649	
0.04067						
0.290322580645161	3.318	2.094	0.6998	0.2469	0.1646	
0.04059						
0.32258064516129	3.301	2.084	0.6916	0.2446	0.163	0.0402
0.354838709677419	2.874	2.082	0.6908	0.2442	0.1628	
0.04014						
0.387096774193548	2.874	2.079	0.685	0.2417	0.1612	0.03974
0.419354838709677	2.874	2.058	0.6844	0.2416	0.161	0.0396
0.451612903225806	2.874	2.055	0.6766	0.2387	0.1591	
0.03913						
0.483870967741936	2.874	2.039	0.6717	0.2372	0.1581	
0.03899						
0.516129032258065	2.874	2.032	0.6646	0.2347	0.1565	
0.03856						
0.548387096774194	2.874	2.028	0.6641	0.2345	0.1564	
0.03855						
0.580645161290323	2.874	2.015	0.6633	0.2345	0.1563	
0.03848						
0.612903225806452	2.874	1.984	0.6553	0.231	0.154	0.03798
0.645161290322581	2.874	1.966	0.6528	0.2301	0.1534	
0.03783						
0.67741935483871	2.874	1.964	0.6514	0.23	0.1533	0.03781
0.709677419354839	2.874	1.957	0.6388	0.2253	0.1502	
0.03703						
0.741935483870968	2.874	1.953	0.6369	0.2247	0.1498	
0.03694						
0.774193548387097	2.874	1.936	0.6361	0.2245	0.1497	
0.0369						
0.806451612903226	2.874	1.935	0.6354	0.2243	0.1496	
0.03688						
0.838709677419355	2.874	1.915	0.6257	0.2205	0.147	0.03624
0.870967741935484	2.874	1.903	0.6143	0.2162	0.1441	
0.03554						
0.903225806451613	2.874	1.882	0.5959	0.2105	0.1403	
0.0346						
0.935483870967742	2.874	1.856	0.5874	0.2075	0.1383	
0.03401						
0.967741935483871	2.874	1.804	0.5856	0.2065	0.1377	
0.03395						
0.1	3.3548	2.1791	0.73538	0.26003	0.17329	
0.042622						

Average of yearly averages: 0.038877

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

Data used for this run:

Output File: NALpechx

Metfile: w93193.dvf

PRZM scenario: CAfruit_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
 Kd Kd mg/L
 Koc Koc 180 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 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.13 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.027 fraction of application rate applied to pond
 Application Date Date 1-6 dd/mm or dd/mm/mm or dd-mm or dd-mm/mm
 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 none, monthly or
 total(average of entire run)

Cotton

stored as NALcotAx.out

Chemical: NALED

PRZM environment: CAcotton_WirrigSTD.txt modified Tuesday, 29 May 2007
at 11:42:12

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

Metfile: w93193.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	11.2	6.869	4.948	2.817	1.878	0.4632
1962	9.109	6.51	4.728	2.779	1.853	0.4569
1963	11.72	7.426	5.413	3.045	2.03	0.5007
1964	11.52	7.143	5.06	2.881	1.921	0.4723
1965	9.679	6.955	4.812	2.871	1.914	0.4721
1966	11.7	7.263	5.144	2.911	1.941	0.4786
1967	11.17	6.779	4.752	2.834	1.889	0.4658
1968	11.48	6.951	4.916	2.914	1.943	0.4779
1969	11.41	7.111	5.105	2.815	1.877	0.4628
1970	11.1	6.703	4.639	2.749	1.833	0.4519
1971	11.47	7.05	4.969	2.845	1.897	0.4677
1972	11.18	6.903	4.912	2.849	1.899	0.4671
1973	9.421	6.632	4.797	2.931	1.954	0.4819
1974	11.55	7.162	5.042	2.995	1.997	0.4923
1975	9.408	6.436	4.861	2.973	1.983	0.4888
1976	9.274	6.695	4.921	2.921	1.948	0.4789
1977	11.5	7.06	4.971	2.84	1.894	0.4669
1978	11.25	6.906	4.906	2.776	1.851	0.4564
1979	11.48	7.071	4.828	2.927	1.951	0.4812
1980	11.1	6.622	4.662	2.72	1.814	0.446
1981	11.06	6.643	4.728	2.697	1.798	0.4433
1982	11.58	7.198	5.098	2.846	1.897	0.4678
1983	11.69	7.377	5.132	3.058	2.039	0.5027
1984	10.95	6.425	4.529	2.591	1.727	0.4248
1985	7.943	5.744	4.168	2.529	1.686	0.4158
1986	11.39	6.884	4.936	2.789	1.859	0.4584
1987	9.561	7.005	5.116	2.937	1.958	0.4829
1988	11.22	6.703	4.543	2.745	1.83	0.45
1989	11.41	6.963	4.89	2.797	1.865	0.4598
1990	11.35	6.878	4.677	2.83	1.887	0.4653

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.72	7.426	5.413	3.058	2.039	0.5027
0.0645161290322581	11.7	7.377	5.144	3.045	2.03	0.5007
0.0967741935483871	11.69	7.263	5.132	2.995	1.997	0.4923
0.129032258064516	11.58	7.198	5.116	2.973	1.983	0.4888
0.161290322580645	11.55	7.162	5.105	2.937	1.958	0.4829
0.193548387096774	11.52	7.143	5.098	2.931	1.954	0.4819
0.225806451612903	11.5	7.111	5.06	2.927	1.951	0.4812
0.258064516129032	11.48	7.071	5.042	2.921	1.948	0.4789
0.290322580645161	11.48	7.06	4.971	2.914	1.943	0.4786
0.32258064516129	11.47	7.05	4.969	2.911	1.941	0.4779
0.354838709677419	11.41	7.005	4.948	2.881	1.921	0.4723
0.387096774193548	11.41	6.963	4.936	2.871	1.914	0.4721
0.419354838709677	11.39	6.955	4.921	2.849	1.899	0.4678

0.451612903225806	11.35	6.951	4.916	2.846	1.897	0.4677
0.483870967741936	11.25	6.906	4.912	2.845	1.897	0.4671
0.516129032258065	11.22	6.903	4.906	2.84	1.894	0.4669
0.548387096774194	11.2	6.884	4.89	2.834	1.889	0.4658
0.580645161290323	11.18	6.878	4.861	2.83	1.887	0.4653
0.612903225806452	11.17	6.869	4.828	2.817	1.878	0.4632
0.645161290322581	11.1	6.779	4.812	2.815	1.877	0.4628
0.67741935483871	11.1	6.703	4.797	2.797	1.865	0.4598
0.709677419354839	11.06	6.703	4.752	2.789	1.859	0.4584
0.741935483870968	10.95	6.695	4.728	2.779	1.853	0.4569
0.774193548387097	9.679	6.643	4.728	2.776	1.851	0.4564
0.806451612903226	9.561	6.632	4.677	2.749	1.833	0.4519
0.838709677419355	9.421	6.622	4.662	2.745	1.83	0.45
0.870967741935484	9.408	6.51	4.639	2.72	1.814	0.446
0.903225806451613	9.274	6.436	4.543	2.697	1.798	0.4433
0.935483870967742	9.109	6.425	4.529	2.591	1.727	0.4248
0.967741935483871	7.943	5.744	4.168	2.529	1.686	0.4158

0.1	11.679	7.2565	5.1304	2.9928	1.9956
	0.49195				

Average of yearly averages:

0.466673333333333

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

Data used for this run:

Output File: NALcotAx

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	180	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	2	integer	See PRZM manual
Incorporation Depth:	DEPI			cm
Application Rate:	TAPP	1.01	kg/ha	
Application Efficiency:	APPEFF	0.95		fraction
Spray Drift	DRFT	0.12	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	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.

Interval 4 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 none, monthly or
total(average of entire run)

Cole Crop - ground spray

stored as NALcabYx.out

Chemical: NALED

PRZM environment: CAColeCrop no_irrig.txt modified Monday, 16 April 2007 at 07:58:22

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	4.15	2.947	2.333	1.434	0.9573	0.236
1962	7.405	5.303	3.155	1.657	1.106	0.2727
1963	10.92	7.85	5.844	3.552	2.371	0.5846
1964	5.76	4.11	2.75	1.52	1.014	0.2494
1965	6.892	5.57	4.12	2.085	1.392	0.3432
1966	3.944	2.797	2.195	1.296	0.8649	0.2133
1967	23.19	16.59	9.483	4.527	3.021	0.745
1968	7.633	5.41	3.431	1.834	1.224	0.3009
1969	10.49	7.446	3.799	1.91	1.274	0.3142
1970	3.96	2.812	2.2	1.292	0.8622	0.2126
1971	4.864	3.469	2.653	1.477	0.9857	0.2431
1972	4.247	3.003	2.265	1.324	0.8837	0.2173
1973	4.759	3.401	2.601	1.471	0.9813	0.242
1974	10.97	7.767	4.951	2.323	1.55	0.3822
1975	12.24	8.746	5.939	2.896	1.932	0.4764
1976	4.089	2.942	2.311	1.351	0.9017	0.2217
1977	14.96	10.7	5.134	2.439	1.627	0.4012
1978	7.206	5.192	3.79	2.064	1.379	0.3399
1979	6.449	4.872	3.163	1.645	1.097	0.2706
1980	4.207	2.97	2.277	1.325	0.8844	0.2175
1981	11.55	8.339	4.696	2.283	1.523	0.3755
1982	26.06	19.76	10.41	4.62	3.082	0.76
1983	12.42	9.563	5.935	2.778	1.853	0.457
1984	3.929	2.773	2.18	1.314	0.877	0.2157
1985	5.901	4.368	3.06	1.605	1.071	0.264
1986	10.62	7.65	3.913	1.991	1.328	0.3274
1987	3.903	2.735	2.156	1.271	0.8477	0.209
1988	3.899	2.734	2.153	1.515	1.012	0.2489
1989	4.929	3.502	2.742	1.529	1.02	0.2515
1990	3.927	2.777	2.175	1.284	0.8566	0.2112

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	26.06	19.76	10.41	4.62	3.082	0.76
0.0645161290322581	23.19	16.59	9.483	4.527	3.021	0.745
0.0967741935483871	14.96	10.7	5.939	3.552	2.371	0.5846
0.129032258064516	12.42	9.563	5.935	2.896	1.932	0.4764
0.161290322580645	12.24	8.746	5.844	2.778	1.853	0.457
0.193548387096774	11.55	8.339	5.134	2.439	1.627	0.4012
0.225806451612903	10.97	7.85	4.951	2.323	1.55	0.3822
0.258064516129032	10.92	7.767	4.696	2.283	1.523	0.3755
0.290322580645161	10.62	7.65	4.12	2.085	1.392	0.3432
0.32258064516129	10.49	7.446	3.913	2.064	1.379	0.3399
0.354838709677419	7.633	5.57	3.799	1.991	1.328	0.3274
0.387096774193548	7.405	5.41	3.79	1.91	1.274	0.3142
0.419354838709677	7.206	5.303	3.431	1.834	1.224	0.3009

0.451612903225806	6.892	5.192	3.163	1.657	1.106	0.2727
0.483870967741936	6.449	4.872	3.155	1.645	1.097	0.2706
0.516129032258065	5.901	4.368	3.06	1.605	1.071	0.264
0.548387096774194	5.76	4.11	2.75	1.529	1.02	0.2515
0.580645161290323	4.929	3.502	2.742	1.52	1.014	0.2494
0.612903225806452	4.864	3.469	2.653	1.515	1.012	0.2489
0.645161290322581	4.759	3.401	2.601	1.477	0.9857	0.2431
0.67741935483871	4.247	3.003	2.333	1.471	0.9813	0.242
0.709677419354839	4.207	2.97	2.311	1.434	0.9573	0.236
0.741935483870968	4.15	2.947	2.277	1.351	0.9017	0.2217
0.774193548387097	4.089	2.942	2.265	1.325	0.8844	0.2175
0.806451612903226	3.96	2.812	2.2	1.324	0.8837	0.2173
0.838709677419355	3.944	2.797	2.195	1.314	0.877	0.2157
0.870967741935484	3.929	2.777	2.18	1.296	0.8649	0.2133
0.903225806451613	3.927	2.773	2.175	1.292	0.8622	0.2126
0.935483870967742	3.903	2.735	2.156	1.284	0.8566	0.2112
0.967741935483871	3.899	2.734	2.153	1.271	0.8477	0.209

0.1	14.706	10.5863	5.9386	3.4864	2.3271
	0.57378				

Average of yearly averages: 0.3268

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

Data used for this run:

Output File: NALcabYx

Metfile: w23234.dvf

PRZM scenario: CAColeCrop no_irrig.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	2.13	kg/ha		
Application Efficiency:	APPEFF			0.99	fraction
Spray Drift	DRFT	0.027	fraction of		application rate applied to pond
Application Date	Date	15-3	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.

Interval 4 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 none, monthly or
total(average of entire run)

Cole Crop - aerial spray

stored as NALcabZx.out

Chemical: NALED

PRZM environment: CAColeCrop no_irrig.txt modified Monday, 16 April 2007 at 07:58:22

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	17.53	12.45	9.787	5.856	3.908	0.9635
1962	19.99	14.31	10.66	6.163	4.112	1.014
1963	22.68	16.59	13.33	8.009	5.344	1.318
1964	18.37	13.11	10.25	6.045	4.034	0.9919
1965	20.42	14.64	11.72	6.581	4.392	1.083
1966	17.53	12.43	9.757	5.761	3.844	0.9479
1967	33.85	25.07	16.98	8.984	5.995	1.478
1968	17.94	12.72	10.26	6.289	4.196	1.032
1969	23.87	16.95	11.42	6.414	4.28	1.055
1970	17.6	12.5	9.776	5.743	3.832	0.9449
1971	18.29	13.05	10.31	6.023	4.019	0.991
1972	17.82	12.6	9.827	5.777	3.855	0.9479
1973	17.72	12.65	9.93	5.944	3.966	0.9779
1974	21.53	16.57	12.44	6.774	4.52	1.115
1975	22.31	16.66	12.63	7.45	4.971	1.226
1976	17.82	12.7	10.07	5.924	3.953	0.9721
1977	24.38	17.43	11.87	6.915	4.614	1.138
1978	18.72	14.59	11.2	6.427	4.289	1.058
1979	19.72	13.99	10.65	6.084	4.059	1.001
1980	17.76	12.54	9.851	5.79	3.863	0.95
1981	21.1	15.12	11.35	6.702	4.471	1.102
1982	34.55	27.17	17.74	9.008	6.01	1.482
1983	24.69	18.22	12.66	7.188	4.796	1.183
1984	17.45	12.32	9.649	5.702	3.804	0.9355
1985	19.36	13.84	10.58	6.056	4.041	0.9963
1986	20.2	14.38	10.43	6.359	4.243	1.046
1987	17.35	12.15	9.578	5.644	3.765	0.9284
1988	17.33	12.15	9.568	5.871	3.918	0.9634
1989	17.56	12.41	9.743	5.84	3.896	0.9605
1990	17.45	12.34	9.668	5.706	3.807	0.9387

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	34.55	27.17	17.74	9.008	6.01	1.482
0.0645161290322581	33.85	25.07	16.98	8.984	5.995	1.478
0.0967741935483871	24.69	18.22	13.33	8.009	5.344	1.318
0.129032258064516	24.38	17.43	12.66	7.45	4.971	1.226
0.161290322580645	23.87	16.95	12.63	7.188	4.796	1.183
0.193548387096774	22.68	16.66	12.44	6.915	4.614	1.138
0.225806451612903	22.31	16.59	11.87	6.774	4.52	1.115
0.258064516129032	21.53	16.57	11.72	6.702	4.471	1.102
0.290322580645161	21.1	15.12	11.42	6.581	4.392	1.083
0.32258064516129	20.42	14.64	11.35	6.427	4.289	1.058
0.354838709677419	20.2	14.59	11.2	6.414	4.28	1.055
0.387096774193548	19.99	14.38	10.66	6.359	4.243	1.046
0.419354838709677	19.72	14.31	10.65	6.289	4.196	1.032

0.451612903225806	19.36	13.99	10.58	6.163	4.112	1.014
0.483870967741936	18.72	13.84	10.43	6.084	4.059	1.001
0.516129032258065	18.37	13.11	10.31	6.056	4.041	0.9963
0.548387096774194	18.29	13.05	10.26	6.045	4.034	0.9919
0.580645161290323	17.94	12.72	10.25	6.023	4.019	0.991
0.612903225806452	17.82	12.7	10.07	5.944	3.966	0.9779
0.645161290322581	17.82	12.65	9.93	5.924	3.953	0.9721
0.67741935483871	17.76	12.6	9.851	5.871	3.918	0.9635
0.709677419354839	17.72	12.54	9.827	5.856	3.908	0.9634
0.741935483870968	17.6	12.5	9.787	5.84	3.896	0.9605
0.774193548387097	17.56	12.45	9.776	5.79	3.863	0.95
0.806451612903226	17.53	12.43	9.757	5.777	3.855	0.9479
0.838709677419355	17.53	12.41	9.743	5.761	3.844	0.9479
0.870967741935484	17.45	12.34	9.668	5.743	3.832	0.9449
0.903225806451613	17.45	12.32	9.649	5.706	3.807	0.9387
0.935483870967742	17.35	12.15	9.578	5.702	3.804	0.9355
0.967741935483871	17.33	12.15	9.568	5.644	3.765	0.9284

0.1	24.659	18.141	13.263	7.9531	5.3067
	1.3088				

Average of yearly averages: 1.05803

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

Data used for this run:

Output File: NALcabZx

Metfile: w23234.dvf

PRZM scenario: CAColeCrop no_irrig.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	180	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	2	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	15-3	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.

Interval 4 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 none, monthly or
total(average of entire run)

Citrus

stored as NALcitAx.out

Chemical: NALED

PRZM environment: CAcitrus_WirrigSTD.txt modified Tuesday, 29 May 2007
at 11:41:26

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

Metfile: w23155.dvf modified Wedday, 3 July 2002 at 08:04:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.34	11.78	8.189	3.197	2.132	0.5256
1962	16.53	11.45	8.103	3.152	2.101	0.5181
1963	17.03	12.26	8.516	3.307	2.205	0.5436
1964	16.9	11.67	8.351	3.247	2.165	0.5323
1965	16.98	11.71	8.344	3.225	2.15	0.5302
1966	16.48	11.1	7.903	3.031	2.021	0.4982
1967	17.37	12.68	8.778	3.406	2.27	0.5598
1968	17.28	11.64	8.117	3.127	2.085	0.5126
1969	17.45	11.78	8.19	3.117	2.078	0.5123
1970	16.83	11.6	8.319	3.176	2.118	0.5222
1971	17.55	12	8.387	3.257	2.171	0.5353
1972	16.75	11.62	8.228	3.143	2.095	0.5152
1973	17.41	11.67	8.096	3.068	2.046	0.5044
1974	16.85	11.62	8.247	3.155	2.103	0.5186
1975	17.82	12.25	8.506	3.258	2.172	0.5356
1976	17.59	11.93	8.319	3.16	2.106	0.518
1977	16.44	11.2	7.962	3.091	2.06	0.508
1978	17.14	11.7	8.272	3.181	2.121	0.5229
1979	17.42	11.74	8.178	3.113	2.075	0.5117
1980	17.01	11.61	8.227	3.212	2.141	0.5265
1981	16.67	11.43	8.01	3.075	2.05	0.5055
1982	16.78	11.28	8.073	3.068	2.045	0.5043
1983	17.27	11.93	8.476	3.289	2.193	0.5407
1984	17.16	11.99	8.456	3.241	2.161	0.5313
1985	16.53	11.32	7.953	3.085	2.056	0.5071
1986	16.98	11.82	8.333	3.204	2.136	0.5267
1987	16.39	10.92	7.851	3.005	2.003	0.494
1988	16.84	11.44	8.116	3.153	2.102	0.5169
1989	16.99	11.31	7.862	3.033	2.022	0.4986
1990	16.48	11.17	7.887	3.053	2.036	0.5019

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	17.82	12.68	8.778	3.406	2.27	0.5598
0.0645161290322581	17.59	12.26	8.516	3.307	2.205	0.5436
0.0967741935483871	17.55	12.25	8.506	3.289	2.193	0.5407
0.129032258064516	17.45	12	8.476	3.258	2.172	0.5356
0.161290322580645	17.42	11.99	8.456	3.257	2.171	0.5353
0.193548387096774	17.41	11.93	8.387	3.247	2.165	0.5323
0.225806451612903	17.37	11.93	8.351	3.241	2.161	0.5313
0.258064516129032	17.34	11.82	8.344	3.225	2.15	0.5302
0.290322580645161	17.28	11.78	8.333	3.212	2.141	0.5267
0.32258064516129	17.27	11.78	8.319	3.204	2.136	0.5265
0.354838709677419	17.16	11.74	8.319	3.197	2.132	0.5256
0.387096774193548	17.14	11.71	8.272	3.181	2.121	0.5229
0.419354838709677	17.03	11.7	8.247	3.176	2.118	0.5222

0.451612903225806	17.01	11.67	8.228	3.16	2.106	0.5186
0.483870967741936	16.99	11.67	8.227	3.155	2.103	0.5181
0.516129032258065	16.98	11.64	8.19	3.153	2.102	0.518
0.548387096774194	16.98	11.62	8.189	3.152	2.101	0.5169
0.580645161290323	16.9	11.62	8.178	3.143	2.095	0.5152
0.612903225806452	16.85	11.61	8.117	3.127	2.085	0.5126
0.645161290322581	16.84	11.6	8.116	3.117	2.078	0.5123
0.67741935483871	16.83	11.45	8.103	3.113	2.075	0.5117
0.709677419354839	16.78	11.44	8.096	3.091	2.06	0.508
0.741935483870968	16.75	11.43	8.073	3.085	2.056	0.5071
0.774193548387097	16.67	11.32	8.01	3.075	2.05	0.5055
0.806451612903226	16.53	11.31	7.962	3.068	2.046	0.5044
0.838709677419355	16.53	11.28	7.953	3.068	2.045	0.5043
0.870967741935484	16.48	11.2	7.903	3.053	2.036	0.5019
0.903225806451613	16.48	11.17	7.887	3.033	2.022	0.4986
0.935483870967742	16.44	11.1	7.862	3.031	2.021	0.4982
0.967741935483871	16.39	10.92	7.851	3.005	2.003	0.494

0.1 17.54 12.225 8.503 3.2859 2.1909 0.54019
Average of yearly averages: 0.51927

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

Data used for this run:

Output File: NALcitAx

Metfile: w23155.dvf

PRZM scenario: CACitrus_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	156000	mg/L	
Kd	Kd		mg/L	
Koc	Koc	180	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	2	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	15-4	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.

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 none, monthly or
total(average of entire run)

Walnut - ground spray

stored as NALwalGx.out

Chemical: NALED

PRZM environment: CAalmond_NirrigC.txt modified Thuday, 17 June 2004
at 07:13:20EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
15:33:30

Metfile: w23232.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	3.467	2.415	1.329	0.4879	0.3253	0.08021
1962	3.462	2.397	1.321	0.4841	0.3227	0.08002
1963	3.54	2.517	1.411	0.5198	0.3465	0.08562
1964	3.489	2.44	1.352	0.4965	0.331	0.0814
1965	3.503	2.461	1.368	0.5015	0.3343	0.0885
1966	3.445	2.371	1.299	0.4745	0.3164	0.07801
1967	3.788	2.722	1.524	0.5603	0.3735	0.0921
1968	3.475	2.417	1.334	0.4887	0.3258	0.08012
1969	4.161	2.927	1.52	0.5574	0.3716	0.09163
1970	3.511	2.473	1.374	0.5016	0.3344	0.08246
1971	3.511	2.473	1.381	0.5087	0.3391	0.08362
1972	3.489	2.488	1.368	0.5007	0.3338	0.0821
1973	3.464	2.401	1.32	0.4803	0.3202	0.07896
1974	3.504	2.463	1.369	0.5027	0.3623	0.09122
1975	3.554	2.54	1.424	0.5207	0.3471	0.08559
1976	3.495	2.449	1.355	0.4933	0.3289	0.08087
1977	3.455	2.387	1.332	0.4934	0.3289	0.08111
1978	4.426	3.118	1.786	0.6496	0.4331	0.1068
1979	3.502	2.46	1.365	0.4988	0.3325	0.082
1980	3.472	2.413	1.332	0.4925	0.3283	0.08074
1981	3.548	2.486	1.385	0.5143	0.3429	0.08455
1982	3.516	2.481	1.382	0.5068	0.3379	0.08341
1983	5.122	3.624	2.366	0.9136	0.6091	0.1502
1984	3.484	2.431	1.341	0.4876	0.3251	0.07994
1985	3.455	2.387	1.312	0.4804	0.3203	0.07898
1986	3.488	2.437	1.348	0.4932	0.3288	0.08107
1987	3.443	2.367	1.295	0.4708	0.3139	0.07739
1988	4.858	3.37	2.04	0.7699	0.5133	0.1278
1989	3.437	2.358	1.289	0.4705	0.3137	0.108
1990	4.827	3.284	1.32	0.85	0.5709	0.1408

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	5.122	3.624	2.366	0.9136	0.6091	0.1502
0.0645161290322581	4.858	3.37	2.04	0.85	0.5709	0.1408
0.0967741935483871	4.827	3.284	1.786	0.7699	0.5133	0.1278
0.129032258064516	4.426	3.118	1.524	0.6496	0.4331	0.108
0.161290322580645	4.161	2.927	1.52	0.5603	0.3735	0.1068
0.193548387096774	3.788	2.722	1.424	0.5574	0.3716	0.0921
0.225806451612903	3.554	2.54	1.411	0.5207	0.3623	0.09163
0.258064516129032	3.548	2.517	1.385	0.5198	0.3471	0.09122
0.290322580645161	3.54	2.488	1.382	0.5143	0.3465	0.0885
0.32258064516129	3.516	2.486	1.381	0.5087	0.3429	0.08562
0.354838709677419	3.511	2.481	1.374	0.5068	0.3391	0.08559
0.387096774193548	3.511	2.473	1.369	0.5027	0.3379	0.08455

0.419354838709677	3.504	2.473	1.368	0.5016	0.3344	0.08362
0.451612903225806	3.503	2.463	1.368	0.5015	0.3343	0.08341
0.483870967741936	3.502	2.461	1.365	0.5007	0.3338	0.08246
0.516129032258065	3.495	2.46	1.355	0.4988	0.3325	0.0821
0.548387096774194	3.489	2.449	1.352	0.4965	0.331	0.082
0.580645161290323	3.489	2.44	1.348	0.4934	0.3289	0.0814
0.612903225806452	3.488	2.437	1.341	0.4933	0.3289	0.08111
0.645161290322581	3.484	2.431	1.334	0.4932	0.3288	0.08107
0.67741935483871	3.475	2.417	1.332	0.4925	0.3283	0.08087
0.709677419354839	3.472	2.415	1.332	0.4887	0.3258	0.08074
0.741935483870968	3.467	2.413	1.329	0.4879	0.3253	0.08021
0.774193548387097	3.464	2.401	1.321	0.4876	0.3251	0.08012
0.806451612903226	3.462	2.397	1.32	0.4841	0.3227	0.08002
0.838709677419355	3.455	2.387	1.32	0.4804	0.3203	0.07994
0.870967741935484	3.455	2.387	1.312	0.4803	0.3202	0.07898
0.903225806451613	3.445	2.371	1.299	0.4745	0.3164	0.07896
0.935483870967742	3.443	2.367	1.295	0.4708	0.3139	0.07801
0.967741935483871	3.437	2.358	1.289	0.4705	0.3137	0.07739

0.1	4.7869	3.2674	1.7598	0.75787	0.50528
	0.12582				

Average of yearly averages: 0.090174

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

Data used for this run:

Output File: NALwalGx

Metfile: w23232.dvf

PRZM scenario: CAalmond_NirrigC.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	180	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	2.13	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.027	fraction of application rate applied to pond	
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Application Date	Date	15-4	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	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 none, monthly or
total(average of entire run)

Walnut - aerial spray

stored as NALwalAx.out

Chemical: NALED

PRZM environment: CAalmond_NirrigC.txt modified Thuday, 17 June 2004
at 07:13:20

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

Metfile: w23232.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	15.42	10.74	5.915	2.172	1.448	0.3571
1962	15.39	10.65	5.869	2.151	1.434	0.3541
1963	15.73	11.19	6.272	2.31	1.54	0.3799
1964	15.51	10.84	6.01	2.207	1.471	0.3618
1965	15.57	10.94	6.078	2.229	1.486	0.3722
1966	15.31	10.54	5.775	2.109	1.406	0.3467
1967	16.09	11.56	6.506	2.392	1.595	0.3932
1968	15.44	10.74	5.931	2.172	1.448	0.3561
1969	16.21	11.4	6.231	2.28	1.52	0.3748
1970	15.6	10.99	6.105	2.229	1.486	0.3665
1971	15.6	10.99	6.128	2.255	1.504	0.3708
1972	15.51	10.89	6.016	2.2	1.467	0.3607
1973	15.4	10.67	5.865	2.135	1.423	0.3509
1974	15.57	10.95	6.086	2.234	1.516	0.3755
1975	15.8	11.29	6.327	2.314	1.543	0.3804
1976	15.53	10.88	6.021	2.192	1.462	0.3594
1977	15.36	10.61	5.859	2.158	1.439	0.3547
1978	15.94	11.27	6.506	2.375	1.583	0.3903
1979	15.57	10.93	6.065	2.217	1.478	0.3644
1980	15.43	10.72	5.921	2.175	1.45	0.3566
1981	15.58	10.92	6.06	2.227	1.485	0.3661
1982	15.63	11.02	6.142	2.253	1.502	0.3704
1983	17.2	12.17	7.121	2.657	1.772	0.4368
1984	15.48	10.81	5.959	2.167	1.445	0.3553
1985	15.36	10.61	5.832	2.135	1.424	0.351
1986	15.5	10.83	5.993	2.192	1.461	0.3603
1987	15.3	10.52	5.754	2.092	1.395	0.344
1988	16.74	11.61	6.573	2.426	1.618	0.3992
1989	15.28	10.48	5.731	2.09	1.394	0.3731
1990	15.38	10.56	5.77	2.46	1.644	0.4053

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	17.2	12.17	7.121	2.657	1.772	0.4368
0.0645161290322581	16.74	11.61	6.573	2.46	1.644	0.4053
0.0967741935483871	16.21	11.56	6.506	2.426	1.618	0.3992
0.129032258064516	16.09	11.4	6.506	2.392	1.595	0.3932
0.161290322580645	15.94	11.29	6.327	2.375	1.583	0.3903
0.193548387096774	15.8	11.27	6.272	2.314	1.543	0.3804
0.225806451612903	15.73	11.19	6.231	2.31	1.54	0.3799
0.258064516129032	15.63	11.02	6.142	2.28	1.52	0.3755
0.290322580645161	15.6	10.99	6.128	2.255	1.516	0.3748
0.32258064516129	15.6	10.99	6.105	2.253	1.504	0.3731
0.354838709677419	15.58	10.95	6.086	2.234	1.502	0.3722
0.387096774193548	15.57	10.94	6.078	2.229	1.486	0.3708
0.419354838709677	15.57	10.93	6.065	2.229	1.486	0.3704

0.451612903225806	15.57	10.92	6.06	2.227	1.485	0.3665
0.483870967741936	15.53	10.89	6.021	2.217	1.478	0.3661
0.516129032258065	15.51	10.88	6.016	2.207	1.471	0.3644
0.548387096774194	15.51	10.84	6.01	2.2	1.467	0.3618
0.580645161290323	15.5	10.83	5.993	2.192	1.462	0.3607
0.612903225806452	15.48	10.81	5.959	2.192	1.461	0.3603
0.645161290322581	15.44	10.74	5.931	2.175	1.45	0.3594
0.67741935483871	15.43	10.74	5.921	2.172	1.448	0.3571
0.709677419354839	15.42	10.72	5.915	2.172	1.448	0.3566
0.741935483870968	15.4	10.67	5.869	2.167	1.445	0.3561
0.774193548387097	15.39	10.65	5.865	2.158	1.439	0.3553
0.806451612903226	15.38	10.61	5.859	2.151	1.434	0.3547
0.838709677419355	15.36	10.61	5.832	2.135	1.424	0.3541
0.870967741935484	15.36	10.56	5.775	2.135	1.423	0.351
0.903225806451613	15.31	10.54	5.77	2.109	1.406	0.3509
0.935483870967742	15.3	10.52	5.754	2.092	1.395	0.3467
0.967741935483871	15.28	10.48	5.731	2.09	1.394	0.344

0.1	16.198	11.544	6.506	2.4226	1.6157	0.3986
			Average of yearly averages:			
0.369586666666667						

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

Data used for this run:

Output File: NALwalAx

Metfile: w23232.dvf

PRZM scenario: CAalmond_NirrigC.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	156000	mg/L		
Kd	Kd		mg/L		
Koc	Koc	180	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	2	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	15-4	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	8	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 none, monthly or
total(average of entire run)

Peppers - aerial spray

stored as NALpepAx.out

Chemical: NALED

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	17.12	12.04	8.566	3.403	2.269	0.5595
1962	17.17	12.12	8.607	3.428	2.286	0.5636
1963	17.32	12.29	8.734	3.48	2.32	0.5721
1964	17.27	12.25	8.699	3.472	2.315	0.5693
1965	17.27	12.26	8.712	3.485	2.324	0.573
1966	17.06	12	8.518	3.391	2.261	0.5575
1967	17.46	12.44	8.839	3.508	2.339	0.5767
1968	17.23	12.2	8.66	3.451	2.301	0.5658
1969	17.28	12.23	8.683	3.439	2.293	0.5654
1970	17.28	12.22	8.674	3.428	2.286	0.5636
1971	17.34	12.32	8.753	3.493	2.329	0.5743
1972	17.19	12.14	8.618	3.428	2.285	0.562
1973	17.1	12.03	8.536	3.385	2.257	0.5565
1974	17.21	12.18	8.649	3.45	2.3	0.5672
1975	17.49	12.48	8.864	3.519	2.346	0.5785
1976	17.33	12.3	8.731	3.468	2.313	0.5687
1977	17.2	12.16	8.637	3.444	2.296	0.5663
1978	18.11	12.75	9.299	3.657	2.438	0.6013
1979	17.16	12.08	8.569	3.383	2.256	0.5562
1980	17.15	12.11	8.596	3.425	2.284	0.5616
1981	17.14	12.07	8.57	3.399	2.266	0.5587
1982	17.21	12.16	8.635	3.435	2.29	0.5647
1983	17.28	13.14	8.961	3.585	2.391	0.5895
1984	17.14	12.05	8.549	3.367	2.245	0.5521
1985	17.02	11.94	8.471	3.361	2.241	0.5525
1986	17.16	12.1	8.586	3.407	2.272	0.5601
1987	16.98	11.87	8.417	3.314	2.209	0.5448
1988	17.65	12.38	8.954	3.526	2.351	0.5781
1989	16.83	11.7	8.298	3.279	2.186	0.5391
1990	17	11.9	8.445	3.343	2.229	0.5496

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	18.11	13.14	9.299	3.657	2.438	0.6013
0.0645161290322581	17.65	12.75	8.961	3.585	2.391	0.5895
0.0967741935483871	17.49	12.48	8.954	3.526	2.351	0.5785
0.129032258064516	17.46	12.44	8.864	3.519	2.346	0.5781
0.161290322580645	17.34	12.38	8.839	3.508	2.339	0.5767
0.193548387096774	17.33	12.32	8.753	3.493	2.329	0.5743
0.225806451612903	17.32	12.3	8.734	3.485	2.324	0.573
0.258064516129032	17.28	12.29	8.731	3.48	2.32	0.5721
0.290322580645161	17.28	12.26	8.712	3.472	2.315	0.5693
0.32258064516129	17.28	12.25	8.699	3.468	2.313	0.5687
0.354838709677419	17.27	12.23	8.683	3.451	2.301	0.5672
0.387096774193548	17.27	12.22	8.674	3.45	2.3	0.5663
0.419354838709677	17.23	12.2	8.66	3.444	2.296	0.5658

0.451612903225806	17.21	12.18	8.649	3.439	2.293	0.5654
0.483870967741936	17.21	12.16	8.637	3.435	2.29	0.5647
0.516129032258065	17.2	12.16	8.635	3.428	2.286	0.5636
0.548387096774194	17.19	12.14	8.618	3.428	2.286	0.5636
0.580645161290323	17.17	12.12	8.607	3.428	2.285	0.562
0.612903225806452	17.16	12.11	8.596	3.425	2.284	0.5616
0.645161290322581	17.16	12.1	8.586	3.407	2.272	0.5601
0.67741935483871	17.15	12.08	8.57	3.403	2.269	0.5595
0.709677419354839	17.14	12.07	8.569	3.399	2.266	0.5587
0.741935483870968	17.14	12.05	8.566	3.391	2.261	0.5575
0.774193548387097	17.12	12.04	8.549	3.385	2.257	0.5565
0.806451612903226	17.1	12.03	8.536	3.383	2.256	0.5562
0.838709677419355	17.06	12	8.518	3.367	2.245	0.5525
0.870967741935484	17.02	11.94	8.471	3.361	2.241	0.5521
0.903225806451613	17	11.9	8.445	3.343	2.229	0.5496
0.935483870967742	16.98	11.87	8.417	3.314	2.209	0.5448
0.967741935483871	16.83	11.7	8.298	3.279	2.186	0.5391

0.1	17.487	12.476	8.945	3.5253	2.3505	0.57846
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Average of yearly averages:

0.5649433333333333

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

Data used for this run:

Output File: NALpepAx

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF.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	180	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	2	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	15-4	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.

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 none, monthly or

total(average of entire run)

Celery - ground spray

stored as NALcelGx.out

Chemical: NALED

PRZM environment: CARowCrop no_irrig.txt modified Monday, 16 April 2007 at 07:57:06

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	2.896	2.039	1.611	0.9613	0.6415	0.1582
1962	2.927	2.085	1.642	0.9718	0.6485	0.1599
1963	7.2	6.029	3.662	1.825	1.218	0.3003
1964	2.926	2.078	1.645	0.97	0.6473	0.1592
1965	7.948	6.126	3.236	1.621	1.082	0.2669
1966	2.907	2.061	1.618	0.9555	0.6375	0.1572
1967	12.95	9.266	5.456	2.446	1.632	0.4025
1968	3.014	2.137	1.716	1.044	0.6968	0.1714
1969	3.698	2.626	1.831	1.04	0.6938	0.1711
1970	2.919	2.073	1.621	0.9525	0.6356	0.1567
1971	2.962	2.112	1.677	0.9868	0.6585	0.1624
1972	2.907	2.055	1.619	0.953	0.6359	0.1564
1973	2.916	2.076	1.629	0.9681	0.6459	0.1593
1974	7.015	4.966	3.041	1.482	0.9888	0.2438
1975	6.136	4.686	2.819	1.493	0.9959	0.2456
1976	2.938	2.092	1.66	0.9788	0.6531	0.1606
1977	3.136	2.242	1.732	1.062	0.7087	0.1748
1978	3.055	2.397	1.861	1.087	0.7256	0.1789
1979	4.649	3.483	2.266	1.186	0.7914	0.1952
1980	2.903	2.05	1.621	0.9556	0.6377	0.1568
1981	3.652	2.595	1.892	1.114	0.7432	0.1833
1982	14.3	10.27	6.765	2.947	1.967	0.485
1983	3.889	2.76	2.008	1.154	0.7702	0.1899
1984	2.894	2.042	1.598	0.9393	0.6267	0.1541
1985	3.356	2.4	1.819	1.027	0.6854	0.169
1986	3.341	2.347	1.715	1.049	0.6999	0.1726
1987	2.877	2.015	1.588	0.9359	0.6244	0.154
1988	2.874	2.015	1.587	1.106	0.7392	0.1818
1989	2.9	2.049	1.601	0.9585	0.6394	0.1577
1990	2.894	2.047	1.603	0.9464	0.6314	0.1557

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	14.3	10.27	6.765	2.947	1.967	0.485
0.0645161290322581	12.95	9.266	5.456	2.446	1.632	0.4025
0.0967741935483871	7.948	6.126	3.662	1.825	1.218	0.3003
0.129032258064516	7.2	6.029	3.236	1.621	1.082	0.2669
0.161290322580645	7.015	4.966	3.041	1.493	0.9959	0.2456
0.193548387096774	6.136	4.686	2.819	1.482	0.9888	0.2438
0.225806451612903	4.649	3.483	2.266	1.186	0.7914	0.1952
0.258064516129032	3.889	2.76	2.008	1.154	0.7702	0.1899
0.290322580645161	3.698	2.626	1.892	1.114	0.7432	0.1833
0.32258064516129	3.652	2.595	1.861	1.106	0.7392	0.1818
0.354838709677419	3.356	2.4	1.831	1.087	0.7256	0.1789
0.387096774193548	3.341	2.397	1.819	1.062	0.7087	0.1748
0.419354838709677	3.136	2.347	1.732	1.049	0.6999	0.1726

0.451612903225806	3.055	2.242	1.716	1.044	0.6968	0.1714
0.483870967741936	3.014	2.137	1.715	1.04	0.6938	0.1711
0.516129032258065	2.962	2.112	1.677	1.027	0.6854	0.169
0.548387096774194	2.938	2.092	1.66	0.9868	0.6585	0.1624
0.580645161290323	2.927	2.085	1.645	0.9788	0.6531	0.1606
0.612903225806452	2.926	2.078	1.642	0.9718	0.6485	0.1599
0.645161290322581	2.919	2.076	1.629	0.97	0.6473	0.1593
0.67741935483871	2.916	2.073	1.621	0.9681	0.6459	0.1592
0.709677419354839	2.907	2.061	1.621	0.9613	0.6415	0.1582
0.741935483870968	2.907	2.055	1.619	0.9585	0.6394	0.1577
0.774193548387097	2.903	2.05	1.618	0.9556	0.6377	0.1572
0.806451612903226	2.9	2.049	1.611	0.9555	0.6375	0.1568
0.838709677419355	2.896	2.047	1.603	0.953	0.6359	0.1567
0.870967741935484	2.894	2.042	1.601	0.9525	0.6356	0.1564
0.903225806451613	2.894	2.039	1.598	0.9464	0.6314	0.1557
0.935483870967742	2.877	2.015	1.588	0.9393	0.6267	0.1541
0.967741935483871	2.874	2.015	1.587	0.9359	0.6244	0.154

0.1	7.8732	6.1163	3.6194	1.8046	1.2044
	0.29696				

Average of yearly averages: 0.19801

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

Data used for this run:

Output File: NALcelGx

Metfile: w23234.dvf

PRZM scenario: CARowCrop no_irrig.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	180	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	1.57	kg/ha			
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Application Efficiency: APPEFF	0.99	fraction			
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Spray Drift DRFT	0.027	fraction of application rate applied to pond			
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Application Date	Date	15-3	dd/mm or dd/mm or dd-mm or dd-mm		
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Interval 1	interval	7	days	Set to 0 or delete line for single app.	
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Interval 2	interval	7	days	Set to 0 or delete line for single app.	
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Interval 3	interval	7	days	Set to 0 or delete line for single app.	
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Interval 4 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 none, monthly or
total(average of entire run)

Celery - aerial spray

stored as NALcelAx.out

Chemical: NALED

PRZM environment: CARowCrop no_irrig.txt modified Monday, 16 April 2007 at 07:57:06

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	12.87	9.058	7.158	4.22	2.815	0.6942
1962	12.99	9.231	7.285	4.303	2.871	0.708
1963	16.89	12.05	9.246	5.141	3.431	0.846
1964	13.01	9.233	7.313	4.311	2.877	0.7075
1965	16.62	11.8	8.833	4.932	3.292	0.8117
1966	12.92	9.161	7.192	4.246	2.833	0.6987
1967	20.97	15.65	11.04	5.767	3.849	0.949
1968	12.96	9.184	7.252	4.34	2.896	0.7122
1969	13.73	9.749	7.488	4.375	2.919	0.7197
1970	12.97	9.213	7.206	4.233	2.825	0.6965
1971	13.06	9.3	7.367	4.341	2.897	0.7144
1972	12.92	9.135	7.195	4.236	2.826	0.695
1973	12.94	9.183	7.223	4.27	2.849	0.7025
1974	15.38	10.89	8.585	4.772	3.184	0.7852
1975	15.36	11	8.224	4.875	3.253	0.8022
1976	13.06	9.296	7.377	4.35	2.903	0.7138
1977	13.01	9.246	7.308	4.391	2.93	0.7224
1978	13.03	9.438	7.364	4.32	2.882	0.7108
1979	14.44	10.24	7.796	4.46	2.975	0.7336
1980	12.9	9.111	7.206	4.247	2.834	0.6969
1981	12.94	9.166	7.235	4.394	2.932	0.7229
1982	20.76	15.86	12.21	6.2	4.137	1.02
1983	13.14	9.317	7.34	4.441	2.963	0.7307
1984	12.86	9.077	7.104	4.175	2.785	0.6849
1985	13.31	9.522	7.381	4.315	2.879	0.7098
1986	12.88	9.097	7.137	4.286	2.86	0.7052
1987	12.78	8.955	7.06	4.16	2.775	0.6842
1988	12.77	8.957	7.052	4.317	2.881	0.7085
1989	12.74	8.988	6.985	4.143	2.764	0.6814
1990	12.86	9.097	7.126	4.206	2.806	0.6919

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	20.97	15.86	12.21	6.2	4.137	1.02
0.0645161290322581		20.76	15.65	11.04	5.767	3.849 0.949
0.0967741935483871		16.89	12.05	9.246	5.141	3.431 0.846
0.129032258064516	16.62	11.8	8.833	4.932	3.292	0.8117
0.161290322580645	15.38	11	8.585	4.875	3.253	0.8022
0.193548387096774	15.36	10.89	8.224	4.772	3.184	0.7852
0.225806451612903	14.44	10.24	7.796	4.46	2.975	0.7336
0.258064516129032	13.73	9.749	7.488	4.441	2.963	0.7307
0.290322580645161	13.31	9.522	7.381	4.394	2.932	0.7229
0.32258064516129	13.14	9.438	7.377	4.391	2.93	0.7224
0.354838709677419	13.06	9.317	7.367	4.375	2.919	0.7197
0.387096774193548	13.06	9.3	7.364	4.35	2.903	0.7144
0.419354838709677	13.03	9.296	7.34	4.341	2.897	0.7138

0.451612903225806	13.01	9.246	7.313	4.34	2.896	0.7122
0.483870967741936	13.01	9.233	7.308	4.32	2.882	0.7108
0.516129032258065	12.99	9.231	7.285	4.317	2.881	0.7098
0.548387096774194	12.97	9.213	7.252	4.315	2.879	0.7085
0.580645161290323	12.96	9.184	7.235	4.311	2.877	0.708
0.612903225806452	12.94	9.183	7.223	4.303	2.871	0.7075
0.645161290322581	12.94	9.166	7.206	4.286	2.86	0.7052
0.67741935483871	12.92	9.161	7.206	4.27	2.849	0.7025
0.709677419354839	12.92	9.135	7.195	4.247	2.834	0.6987
0.741935483870968	12.9	9.111	7.192	4.246	2.833	0.6969
0.774193548387097	12.88	9.097	7.158	4.236	2.826	0.6965
0.806451612903226	12.87	9.097	7.137	4.233	2.825	0.695
0.838709677419355	12.86	9.077	7.126	4.22	2.815	0.6942
0.870967741935484	12.86	9.058	7.104	4.206	2.806	0.6919
0.903225806451613	12.78	8.988	7.06	4.175	2.785	0.6849
0.935483870967742	12.77	8.957	7.052	4.16	2.775	0.6842
0.967741935483871	12.74	8.955	6.985	4.143	2.764	0.6814

0.1	16.863	12.025	9.2047	5.1201	3.4171
	0.84257				

Average of yearly averages: 0.73866

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

Data used for this run:

Output File: NALcelAx

Metfile: w23234.dvf

PRZM scenario: CARowCrop no_irrig.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	1.57	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.12	fraction of		application rate applied to pond
Application Date	Date	15-3	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.

Interval 4 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 none, monthly or
total(average of entire run)

Cabbage - ground spray

stored as NALcabGx.out

Chemical: NALED

PRZM environment: CAColeCrop no_irrig.txt modified Monday, 16 April 2007 at 07:58:22

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	1.97	1.401	1.107	0.6821	0.4553	0.1123
1962	3.511	2.515	1.496	0.7859	0.5243	0.1293
1963	5.178	3.723	2.771	1.685	1.124	0.2772
1964	2.731	1.949	1.304	0.7207	0.4809	0.1183
1965	3.268	2.641	1.954	0.9885	0.6599	0.1627
1966	1.87	1.326	1.041	0.6147	0.4101	0.1011
1967	11	7.868	4.497	2.147	1.433	0.3533
1968	3.619	2.565	1.627	0.8698	0.5803	0.1427
1969	4.972	3.531	1.801	0.9056	0.6043	0.149
1970	1.878	1.334	1.043	0.6128	0.4089	0.1008
1971	2.307	1.645	1.258	0.7005	0.4674	0.1153
1972	2.014	1.424	1.074	0.628	0.419	0.103
1973	2.256	1.612	1.233	0.6975	0.4653	0.1147
1974	5.201	3.682	2.348	1.102	0.7349	0.1812
1975	5.806	4.147	2.816	1.373	0.9161	0.2259
1976	1.939	1.395	1.096	0.6407	0.4275	0.1051
1977	7.096	5.074	2.435	1.157	0.7715	0.1902
1978	3.417	2.462	1.797	0.9789	0.6537	0.1612
1979	3.058	2.31	1.5	0.7799	0.5203	0.1283
1980	1.995	1.408	1.08	0.6285	0.4194	0.1031
1981	5.477	3.954	2.227	1.083	0.7221	0.178
1982	12.36	9.37	4.937	2.191	1.462	0.3604
1983	5.891	4.534	2.814	1.317	0.8788	0.2167
1984	1.863	1.315	1.034	0.6233	0.4159	0.1023
1985	2.798	2.071	1.451	0.7611	0.5078	0.1252
1986	5.033	3.627	1.855	0.9438	0.6296	0.1552
1987	1.851	1.297	1.022	0.6025	0.402	0.09911
1988	1.849	1.296	1.021	0.7184	0.4799	0.118
1989	2.337	1.661	1.3	0.725	0.4836	0.1193
1990	1.862	1.317	1.031	0.6088	0.4062	0.1002

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	12.36	9.37	4.937	2.191	1.462	0.3604
0.0645161290322581	11	7.868	4.497	2.147	1.433	0.3533
0.0967741935483871	7.096	5.074	2.816	1.685	1.124	0.2772
0.129032258064516	5.891	4.534	2.814	1.373	0.9161	0.2259
0.161290322580645	5.806	4.147	2.771	1.317	0.8788	0.2167
0.193548387096774	5.477	3.954	2.435	1.157	0.7715	0.1902
0.225806451612903	5.201	3.723	2.348	1.102	0.7349	0.1812
0.258064516129032	5.178	3.682	2.227	1.083	0.7221	0.178
0.290322580645161	5.033	3.627	1.954	0.9885	0.6599	0.1627
0.32258064516129	4.972	3.531	1.855	0.9789	0.6537	0.1612
0.354838709677419	3.619	2.641	1.801	0.9438	0.6296	0.1552
0.387096774193548	3.511	2.565	1.797	0.9056	0.6043	0.149
0.419354838709677	3.417	2.515	1.627	0.8698	0.5803	0.1427

0.451612903225806	3.268	2.462	1.5	0.7859	0.5243	0.1293
0.483870967741936	3.058	2.31	1.496	0.7799	0.5203	0.1283
0.516129032258065	2.798	2.071	1.451	0.7611	0.5078	0.1252
0.548387096774194	2.731	1.949	1.304	0.725	0.4836	0.1193
0.580645161290323	2.337	1.661	1.3	0.7207	0.4809	0.1183
0.612903225806452	2.307	1.645	1.258	0.7184	0.4799	0.118
0.645161290322581	2.256	1.612	1.233	0.7005	0.4674	0.1153
0.67741935483871	2.014	1.424	1.107	0.6975	0.4653	0.1147
0.709677419354839	1.995	1.408	1.096	0.6821	0.4553	0.1123
0.741935483870968	1.97	1.401	1.08	0.6407	0.4275	0.1051
0.774193548387097	1.939	1.395	1.074	0.6285	0.4194	0.1031
0.806451612903226	1.878	1.334	1.043	0.628	0.419	0.103
0.838709677419355	1.87	1.326	1.041	0.6233	0.4159	0.1023
0.870967741935484	1.863	1.317	1.034	0.6147	0.4101	0.1011
0.903225806451613	1.862	1.315	1.031	0.6128	0.4089	0.1008
0.935483870967742	1.851	1.297	1.022	0.6088	0.4062	0.1002
0.967741935483871	1.849	1.296	1.021	0.6025	0.402	0.09911

0.1 6.9755 5.02 2.8158 1.6538 1.10321 0.27207

Average of yearly averages:

0.154970333333333

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

Data used for this run:

Output File: NALcabGx

Metfile: w23234.dvf

PRZM scenario: CAColeCrop no_irrig.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	180	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	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	1.01	kg/ha		
Application Efficiency:	APPEFF	0.99			fraction
Spray Drift	DRFT	0.027	fraction of		application rate applied to pond
Application Date	Date	15-3	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.

Interval 4 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 none, monthly or
total(average of entire run)

Cabbage - aerial spray

stored as NALcabAx.out

Chemical: NALED

PRZM environment: CAColeCrop no_irrig.txt modified Monday, 16 April 2007 at 07:58:22

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	8.331	5.923	4.66	2.794	1.865	0.4597
1962	9.485	6.801	5.072	2.933	1.957	0.4826
1963	10.77	7.887	6.345	3.812	2.544	0.6272
1964	8.717	6.227	4.877	2.877	1.92	0.4721
1965	9.702	6.966	5.579	3.132	2.09	0.5155
1966	8.326	5.91	4.643	2.742	1.829	0.4511
1967	16.07	11.91	8.079	4.276	2.853	0.7036
1968	8.518	6.045	4.88	2.993	1.997	0.4911
1969	11.33	8.059	5.434	3.052	2.037	0.5022
1970	8.36	5.944	4.652	2.733	1.824	0.4497
1971	8.688	6.203	4.904	2.866	1.913	0.4717
1972	8.463	5.992	4.676	2.749	1.834	0.4511
1973	8.414	6.016	4.724	2.829	1.887	0.4654
1974	10.23	7.875	5.919	3.224	2.151	0.5304
1975	10.59	7.918	6.009	3.546	2.366	0.5834
1976	8.463	6.041	4.79	2.819	1.881	0.4627
1977	11.56	8.273	5.644	3.291	2.196	0.5414
1978	8.894	6.936	5.331	3.058	2.041	0.5033
1979	9.365	6.65	5.065	2.895	1.932	0.4763
1980	8.436	5.964	4.687	2.755	1.839	0.4521
1981	10	7.177	5.396	3.189	2.128	0.5247
1982	16.41	12.91	8.443	4.287	2.86	0.7053
1983	11.72	8.66	6.022	3.421	2.282	0.5628
1984	8.29	5.857	4.591	2.714	1.81	0.4452
1985	9.193	6.583	5.035	2.882	1.923	0.4741
1986	9.579	6.826	4.96	3.026	2.019	0.4979
1987	8.238	5.777	4.557	2.686	1.792	0.4418
1988	8.23	5.778	4.552	2.793	1.864	0.4585
1989	8.339	5.9	4.634	2.779	1.854	0.4571
1990	8.289	5.868	4.6	2.715	1.812	0.4467

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	16.41	12.91	8.443	4.287	2.86	0.7053
0.0645161290322581	16.07	11.91	8.079	4.276	2.853	0.7036
0.0967741935483871	11.72	8.66	6.345	3.812	2.544	0.6272
0.129032258064516	11.56	8.273	6.022	3.546	2.366	0.5834
0.161290322580645	11.33	8.059	6.009	3.421	2.282	0.5628
0.193548387096774	10.77	7.918	5.919	3.291	2.196	0.5414
0.225806451612903	10.59	7.887	5.644	3.224	2.151	0.5304
0.258064516129032	10.23	7.875	5.579	3.189	2.128	0.5247
0.290322580645161	10	7.177	5.434	3.132	2.09	0.5155
0.32258064516129	9.702	6.966	5.396	3.058	2.041	0.5033
0.354838709677419	9.579	6.936	5.331	3.052	2.037	0.5022
0.387096774193548	9.485	6.826	5.072	3.026	2.019	0.4979
0.419354838709677	9.365	6.801	5.065	2.993	1.997	0.4911

0.451612903225806	9.193	6.65	5.035	2.933	1.957	0.4826
0.483870967741936	8.894	6.583	4.96	2.895	1.932	0.4763
0.516129032258065	8.717	6.227	4.904	2.882	1.923	0.4741
0.548387096774194	8.688	6.203	4.88	2.877	1.92	0.4721
0.580645161290323	8.518	6.045	4.877	2.866	1.913	0.4717
0.612903225806452	8.463	6.041	4.79	2.829	1.887	0.4654
0.645161290322581	8.463	6.016	4.724	2.819	1.881	0.4627
0.67741935483871	8.436	5.992	4.687	2.794	1.865	0.4597
0.709677419354839	8.414	5.964	4.676	2.793	1.864	0.4585
0.741935483870968	8.36	5.944	4.66	2.779	1.854	0.4571
0.774193548387097	8.339	5.923	4.652	2.755	1.839	0.4521
0.806451612903226	8.331	5.91	4.643	2.749	1.834	0.4511
0.838709677419355	8.326	5.9	4.634	2.742	1.829	0.4511
0.870967741935484	8.29	5.868	4.6	2.733	1.824	0.4497
0.903225806451613	8.289	5.857	4.591	2.715	1.812	0.4467
0.935483870967742	8.238	5.778	4.557	2.714	1.81	0.4452
0.967741935483871	8.23	5.777	4.552	2.686	1.792	0.4418

0.1	11.704	8.6213	6.3127	3.7854	2.5262
	0.62282				

Average of yearly averages:

0.503556666666667

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

Data used for this run:

Output File: NALcabAx

Metfile: w23234.dvf

PRZM scenario: CAColeCrop no_irrig.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	180	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 7	5.2	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.01	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.12	fraction of application rate applied to pond	
Application Date	Date	15-3	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.
Interval 4	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 none, monthly or
total(average of entire run)