

APPENDIX D

Aquatic Model (PRZM/EXAMS) Output Summary and Example Output

CA Almond Aerial Application

PRZM environment: CAalmond0C.txt modified Thuday, 17 June 2004 at 09:13:20

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	13.99	13.9	13.56	12.85	12.36	8.391
1962	23.58	23.44	22.97	22.09	21.35	15.26
1963	29.11	28.97	28.49	27.35	26.65	20.12
1964	26.18	26.06	25.61	24.67	23.97	18.29
1965	23.8	23.69	23.26	22.39	21.83	16.67
1966	23.01	22.9	22.49	21.58	20.89	15.68
1967	22.54	22.45	22.18	21.91	21.53	16.16
1968	22.41	22.31	22.03	21.35	20.73	15.48
1969	22.07	21.98	21.77	21.02	20.43	15.21
1970	21.63	21.52	21.22	20.56	19.97	14.8
1971	22.99	22.88	22.5	21.64	21.34	16.11
1972	22.75	22.64	22.2	21.23	20.57	15.38
1973	46.54	46.25	45.21	43.05	41.43	28.63
1974	36.14	35.98	35.39	34.07	33.27	25.76
1975	29.49	29.38	29.16	28.74	28.28	21.55
1976	27.61	27.49	26.97	26.07	25.56	19.16
1977	24.32	24.21	23.75	23.2	22.6	17.24
1978	29.15	28.99	28.59	27.37	26.45	19.68
1979	31.16	31.01	30.45	29.25	28.35	20.97
1980	45.86	45.62	44.77	42.86	41.46	30.13
1981	37.78	37.63	37.05	35.71	34.87	27.07
1982	60.47	60.17	59.03	56.95	55.56	40.87
1983	45.2	45.07	44.5	43.07	42.18	32.87
1984	32.98	32.85	32.31	31.34	30.5	23.18
1985	26.5	26.39	25.91	25.14	24.47	18.58
1986	59.67	59.28	57.87	54.81	52.81	36.95
1987	62.63	62.3	60.98	58.15	55.98	41.11
1988	40.48	40.31	39.94	38.91	38.53	30.37
1989	31.63	31.51	31.23	30.63	29.79	22.88
1990	51.67	51.38	50.25	47.85	46.13	32.57

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	62.63	62.3	60.98	58.15	55.98	41.11
0.0645161290322581	60.47	60.17	59.03	56.95	55.56	40.87
0.0967741935483871	59.67	59.28	57.87	54.81	52.81	36.95
0.129032258064516	51.67	51.38	50.25	47.85	46.13	32.87
0.161290322580645	46.54	46.25	45.21	43.07	42.18	32.57
0.193548387096774	45.86	45.62	44.77	43.05	41.46	30.37
0.225806451612903	45.2	45.07	44.5	42.86	41.43	30.13
0.258064516129032	40.48	40.31	39.94	38.91	38.53	28.63

0.290322580645161	37.78	37.63	37.05	35.71	34.87	27.07
0.32258064516129	36.14	35.98	35.39	34.07	33.27	25.76
0.354838709677419	32.98	32.85	32.31	31.34	30.5	23.18
0.387096774193548	31.63	31.51	31.23	30.63	29.79	22.88
0.419354838709677	31.16	31.01	30.45	29.25	28.35	21.55
0.451612903225806	29.49	29.38	29.16	28.74	28.28	20.97
0.483870967741936	29.15	28.99	28.59	27.37	26.65	20.12
0.516129032258065	29.11	28.97	28.49	27.35	26.45	19.68
0.548387096774194	27.61	27.49	26.97	26.07	25.56	19.16
0.580645161290323	26.5	26.39	25.91	25.14	24.47	18.58
0.612903225806452	26.18	26.06	25.61	24.67	23.97	18.29
0.645161290322581	24.32	24.21	23.75	23.2	22.6	17.24
0.67741935483871	23.8	23.69	23.26	22.39	21.83	16.67
0.709677419354839	23.58	23.44	22.97	22.09	21.53	16.16
0.741935483870968	23.01	22.9	22.5	21.91	21.35	16.11
0.774193548387097	22.99	22.88	22.49	21.64	21.34	15.68
0.806451612903226	22.75	22.64	22.2	21.58	20.89	15.48
0.838709677419355	22.54	22.45	22.18	21.35	20.73	15.38
0.870967741935484	22.41	22.31	22.03	21.23	20.57	15.26
0.903225806451613	22.07	21.98	21.77	21.02	20.43	15.21
0.935483870967742	21.63	21.52	21.22	20.56	19.97	14.8
0.967741935483871	13.99	13.9	13.56	12.85	12.36	8.391
0.1	58.87	58.49	57.108	54.114	52.142	36.542
Average of yearly averages:						22.5707

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

Data used for this run:

Output File: caalsp

Metfile: w23232.dvf

PRZM scenario: CAAlmond0C.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism		kbacw	214	days Halfife
Anaerobic Aquatic Metabolism		kbacs	168	days Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	4.48	kg/ha		
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	.05	fraction of application rate applied to pond	
Application Date	Date	15-02	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)

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CA Almond Ground Application

PRZM environment: CAAlmond0C.txt modified Thuday, 17 June 2004 at 09:13:20
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w23232.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.958	5.918	5.758	5.433	5.215	3.347
1962	11.11	11.05	10.84	10.51	10.17	7.242
1963	16.13	16.04	15.74	15.07	14.54	10.52
1964	10.4	10.36	10.22	9.911	9.664	7.715
1965	7.451	7.423	7.31	7.106	7.004	5.586
1966	6.142	6.118	6.021	5.8	5.626	4.402
1967	6.876	6.846	6.748	6.563	6.385	4.861
1968	6.043	6.017	5.924	5.815	5.691	4.336
1969	5.546	5.522	5.435	5.298	5.176	3.917
1970	5.282	5.256	5.154	4.983	4.875	3.664
1971	7.35	7.311	7.203	6.913	6.689	4.884
1972	5.881	5.856	5.753	5.522	5.367	4.121
1973	31.24	31.02	30.25	28.67	27.51	18.02
1974	20.64	20.55	20.23	19.52	18.97	14.93
1975	14.12	14.07	13.91	13.56	13.21	10.5
1976	11.84	11.79	11.58	11.23	10.94	8.368
1977	8.342	8.311	8.185	7.945	7.834	6.232
1978	13.64	13.56	13.32	12.72	12.27	8.73
1979	15.03	14.96	14.67	14.12	13.68	10.02
1980	30.39	30.22	29.59	28.26	27.29	19.44
1981	22.65	22.56	22.18	21.38	20.71	16.16
1982	45.92	45.66	44.77	42.81	41.79	30.4
1983	29.39	29.32	28.95	28.1	27.4	21.9
1984	16.59	16.54	16.32	16.09	15.76	12.5
1985	10.31	10.28	10.13	10.01	9.83	7.81
1986	44.85	44.54	43.39	40.98	39.42	26.89
1987	48.45	48.19	47.12	44.87	43.16	31.19
1988	25.69	25.58	25.14	24.45	24.49	20.23
1989	16.45	16.39	16.19	15.85	15.52	12.42
1990	36.43	36.22	35.37	33.6	32.35	22.43

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	48.45	48.19	47.12	44.87	43.16	31.19
0.0645161290322581	45.92	45.66	44.77	42.81	41.79	30.4
0.0967741935483871	44.85	44.54	43.39	40.98	39.42	26.89
0.129032258064516	36.43	36.22	35.37	33.6	32.35	22.43
0.161290322580645	31.24	31.02	30.25	28.67	27.51	21.9
0.193548387096774	30.39	30.22	29.59	28.26	27.4	20.23
0.225806451612903	29.39	29.32	28.95	28.1	27.29	19.44

0.258064516129032	25.69	25.58	25.14	24.45	24.49	18.02
0.290322580645161	22.65	22.56	22.18	21.38	20.71	16.16
0.32258064516129	20.64	20.55	20.23	19.52	18.97	14.93
0.354838709677419	16.59	16.54	16.32	16.09	15.76	12.5
0.387096774193548	16.45	16.39	16.19	15.85	15.52	12.42
0.419354838709677	16.13	16.04	15.74	15.07	14.54	10.52
0.451612903225806	15.03	14.96	14.67	14.12	13.68	10.5
0.483870967741936	14.12	14.07	13.91	13.56	13.21	10.02
0.516129032258065	13.64	13.56	13.32	12.72	12.27	8.73
0.548387096774194	11.84	11.79	11.58	11.23	10.94	8.368
0.580645161290323	11.11	11.05	10.84	10.51	10.17	7.81
0.612903225806452	10.4	10.36	10.22	10.01	9.83	7.715
0.645161290322581	10.31	10.28	10.13	9.911	9.664	7.242
0.67741935483871	8.342	8.311	8.185	7.945	7.834	6.232
0.709677419354839	7.451	7.423	7.31	7.106	7.004	5.586
0.741935483870968	7.35	7.311	7.203	6.913	6.689	4.884
0.774193548387097	6.876	6.846	6.748	6.563	6.385	4.861
0.806451612903226	6.142	6.118	6.021	5.815	5.691	4.402
0.838709677419355	6.043	6.017	5.924	5.8	5.626	4.336
0.870967741935484	5.958	5.918	5.758	5.522	5.367	4.121
0.903225806451613	5.881	5.856	5.753	5.433	5.215	3.917
0.935483870967742	5.546	5.522	5.435	5.298	5.176	3.664
0.967741935483871	5.282	5.256	5.154	4.983	4.875	3.347
0.1	44.008	43.708	42.588	40.242	38.713	26.444
Average of yearly averages:						12.0921666666667

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

Data used for this run:

Metfile: w23232.dvf

PRZM scenario: CAAlmond0C.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	4.48	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	15-02	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			

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)

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CA Citrus Ground Application

PRZM environment: CAcitrus0C.txt modified Thuday, 17 June 2004 at 09:14:54
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
Metfile: w23155.dvf modified Wedday, 3 July 2002 at 09:04:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.239	2.218	2.152	2.027	1.94	1.191
1962	19.26	19.13	18.64	17.6	16.84	10.54
1963	9.961	9.916	9.735	9.39	9.137	6.897
1964	6.523	6.496	6.388	6.149	5.962	4.371
1965	4.877	4.854	4.763	4.643	4.538	3.3
1966	4.382	4.361	4.277	4.083	3.93	2.789
1967	4.736	4.715	4.633	4.412	4.343	3.171
1968	4.19	4.166	4.069	3.87	3.726	2.567
1969	6.126	6.09	5.94	5.657	5.44	3.556
1970	4.431	4.407	4.312	4.112	3.97	2.737
1971	4.014	3.993	3.91	3.727	3.595	2.645
1972	4.627	4.582	4.402	4.014	3.752	3.044
1973	4.594	4.569	4.47	4.312	4.173	2.873
1974	6.639	6.596	6.423	6.072	5.804	3.854
1975	4.87	4.846	4.747	4.543	4.397	3.08
1976	4.061	4.039	3.949	3.766	3.634	2.489
1977	5.674	5.642	5.491	5.159	4.918	3.33
1978	4.58	4.556	4.455	4.235	4.085	2.823
1979	3.885	3.864	3.781	3.602	3.47	2.335
1980	3.592	3.571	3.489	3.344	3.228	2.223
1981	3.608	3.588	3.504	3.337	3.212	2.135
1982	3.503	3.482	3.399	3.297	3.191	2.135
1983	3.848	3.826	3.74	3.601	3.507	2.422
1984	3.773	3.753	3.673	3.503	3.384	2.318
1985	3.684	3.664	3.584	3.421	3.293	2.26
1986	3.69	3.669	3.585	3.409	3.287	2.266
1987	3.972	3.951	3.865	3.681	3.538	2.464
1988	3.851	3.829	3.744	3.563	3.433	2.359
1989	3.692	3.673	3.594	3.413	3.277	2.247
1990	3.666	3.647	3.57	3.396	3.265	2.226

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129			19.26	19.13	18.64	17.6 16.84 10.54
0.0645161290322581			9.961	9.916	9.735	9.39 9.137 6.897
0.0967741935483871			6.639	6.596	6.423	6.149 5.962 4.371
0.129032258064516			6.523	6.496	6.388	6.072 5.804 3.854
0.161290322580645			6.126	6.09	5.94	5.657 5.44 3.556

0.193548387096774	5.674	5.642	5.491	5.159	4.918	3.33
0.225806451612903	4.877	4.854	4.763	4.643	4.538	3.3
0.258064516129032	4.87	4.846	4.747	4.543	4.397	3.171
0.290322580645161	4.736	4.715	4.633	4.412	4.343	3.08
0.32258064516129	4.627	4.582	4.47	4.312	4.173	3.044
0.354838709677419	4.594	4.569	4.455	4.235	4.085	2.873
0.387096774193548	4.58	4.556	4.402	4.112	3.97	2.823
0.419354838709677	4.431	4.407	4.312	4.083	3.93	2.789
0.451612903225806	4.382	4.361	4.277	4.014	3.752	2.737
0.483870967741936	4.19	4.166	4.069	3.87	3.726	2.645
0.516129032258065	4.061	4.039	3.949	3.766	3.634	2.567
0.548387096774194	4.014	3.993	3.91	3.727	3.595	2.489
0.580645161290323	3.972	3.951	3.865	3.681	3.538	2.464
0.612903225806452	3.885	3.864	3.781	3.602	3.507	2.422
0.645161290322581	3.851	3.829	3.744	3.601	3.47	2.359
0.67741935483871	3.848	3.826	3.74	3.563	3.433	2.335
0.709677419354839	3.773	3.753	3.673	3.503	3.384	2.318
0.741935483870968	3.692	3.673	3.594	3.421	3.293	2.266
0.774193548387097	3.69	3.669	3.585	3.413	3.287	2.26
0.806451612903226	3.684	3.664	3.584	3.409	3.277	2.247
0.838709677419355	3.666	3.647	3.57	3.396	3.265	2.226
0.870967741935484	3.608	3.588	3.504	3.344	3.228	2.223
0.903225806451613	3.592	3.571	3.489	3.337	3.212	2.135
0.935483870967742	3.503	3.482	3.399	3.297	3.191	2.135
0.967741935483871	2.239	2.218	2.152	2.027	1.94	1.191
0.1	6.6274	6.586	6.4195	6.1413	5.9462	4.3193
Average of yearly averages:						3.08823333333333

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

Data used for this run:

Output File: cacisp

Metfile: w23155.dvf

PRZM scenario: CACitrus0C.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	4.48	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	

Application Date Date 15-02 dd/mm or dd/mmm or dd-mm or dd-mmm
Record 17: FILTRA
IPSCND1
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)

CA Corn Aerial Application

PRZM environment: CAcornC.txt modified Satday, 12 October 2002 at 16:32:58
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
Metfile: w23232.dvf modified Wedday, 3 July 2002 at 09:04:22
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.397	8.324	8.06	7.559	7.21	4.27
1962	21.99	21.84	21.25	20.22	18.59	10.61
1963	35.43	35.26	34.55	33.25	32.1	23.75
1964	25.93	25.82	25.33	24.28	23.48	18.96
1965	27.58	27.44	26.87	25.79	24.97	18.78
1966	22.14	22.03	21.54	20.52	19.76	15.81
1967	28.58	28.44	27.98	26.7	25.81	18.65
1968	21.67	21.57	21.12	20.17	19.43	15.23
1969	28.77	28.6	27.94	26.49	25.43	18.03
1970	21.66	21.56	21.14	20.2	19.45	15.23
1971	19.25	19.16	18.77	17.96	17.35	13.27
1972	17.64	17.54	17.16	16.34	15.72	11.85
1973	16.83	16.75	16.36	15.52	14.87	11.11
1974	20.26	20.14	19.67	18.77	18.07	13.02
1975	18.11	18.02	17.69	16.91	16.26	12.14
1976	19.7	19.59	19.15	18.09	17.44	12.6
1977	17.54	17.45	17.05	16.74	16.32	12.43
1978	18.93	18.83	18.51	17.73	17.11	12.67
1979	17.56	17.47	17.09	16.29	15.66	11.86
1980	18	17.9	17.49	16.79	16.22	12.15
1981	17.33	17.24	16.89	16.3	15.71	11.74
1982	67.13	66.68	65.17	61.64	59.11	37.91
1983	42.54	42.42	41.72	40.51	39.72	32.65
1984	29.49	29.39	28.85	27.57	26.52	21.3
1985	22.31	22.21	21.73	20.74	19.97	15.62
1986	22.14	22.02	21.53	20.46	19.78	14.81
1987	19.05	18.95	18.51	17.56	16.86	13.22
1988	24.35	24.21	23.65	22.41	21.43	15.63
1989	19.87	19.77	19.3	18.35	17.65	14.89
1990	21.54	21.43	20.88	19.85	20.04	15.96

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			67.13	66.68	65.17	61.64	59.11	37.91
0.0645161290322581			42.54	42.42	41.72	40.51	39.72	32.65
0.0967741935483871			35.43	35.26	34.55	33.25	32.1	23.75

0.129032258064516	29.49	29.39	28.85	27.57	26.52	21.3
0.161290322580645	28.77	28.6	27.98	26.7	25.81	18.96
0.193548387096774	28.58	28.44	27.94	26.49	25.43	18.78
0.225806451612903	27.58	27.44	26.87	25.79	24.97	18.65
0.258064516129032	25.93	25.82	25.33	24.28	23.48	18.03
0.290322580645161	24.35	24.21	23.65	22.41	21.43	15.96
0.32258064516129	22.31	22.21	21.73	20.74	20.04	15.81
0.354838709677419	22.14	22.03	21.54	20.52	19.97	15.63
0.387096774193548	22.14	22.02	21.53	20.46	19.78	15.62
0.419354838709677	21.99	21.84	21.25	20.22	19.76	15.23
0.451612903225806	21.67	21.57	21.14	20.2	19.45	15.23
0.483870967741936	21.66	21.56	21.12	20.17	19.43	14.89
0.516129032258065	21.54	21.43	20.88	19.85	18.59	14.81
0.548387096774194	20.26	20.14	19.67	18.77	18.07	13.27
0.580645161290323	19.87	19.77	19.3	18.35	17.65	13.22
0.612903225806452	19.7	19.59	19.15	18.09	17.44	13.02
0.645161290322581	19.25	19.16	18.77	17.96	17.35	12.67
0.67741935483871	19.05	18.95	18.51	17.73	17.11	12.6
0.709677419354839	18.93	18.83	18.51	17.56	16.86	12.43
0.741935483870968	18.11	18.02	17.69	16.91	16.32	12.15
0.774193548387097	18	17.9	17.49	16.79	16.26	12.14
0.806451612903226	17.64	17.54	17.16	16.74	16.22	11.86
0.838709677419355	17.56	17.47	17.09	16.34	15.72	11.85
0.870967741935484	17.54	17.45	17.05	16.3	15.71	11.74
0.903225806451613	17.33	17.24	16.89	16.29	15.66	11.11
0.935483870967742	16.83	16.75	16.36	15.52	14.87	10.61
0.967741935483871	8.397	8.324	8.06	7.559	7.21	4.27
0.1	34.836	34.673	33.98	32.682	31.542	23.505
Average of yearly averages:						15.8716666666667

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

Data used for this run:

Output File: cacosp

Metfile: w23232.dvf

PRZM scenario: CAcornC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	3.36	kg/ha	

Application Efficiency: APPEFF .95 fraction
 Spray Drift DRFT .05 fraction of application rate applied to pond
 Application Date Date 30-03 dd/mm or dd/mmm or dd-mm or dd-mmm
 Record 17: FILTRA
 IPSCND1
 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)

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CA Corn Aerial No Drift

PRZM environment: CACornC.txt modified Satday, 12 October 2002 at 16:32:58

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.7242	0.7199	0.7058	0.4527	0.3018	0.07442
1962	15.13	15	14.52	13.69	12.09	3.368
1963	22.03	21.92	21.48	20.54	19.86	14.81
1964	12.03	12.01	11.91	11.67	11.47	9.197
1965	12.54	12.47	12.22	11.64	11.22	8.574
1966	6.907	6.893	6.835	6.701	6.588	5.458
1967	13.04	12.97	12.79	12.19	11.72	8.277
1968	6.715	6.702	6.65	6.511	6.387	5.012
1969	13.2	13.11	12.77	12.06	11.55	7.681
1970	6.718	6.702	6.634	6.48	6.356	5.027
1971	3.958	3.949	3.911	3.827	3.759	2.946
1972	2.038	2.035	2.02	1.982	1.945	1.51
1973	1.046	1.044	1.036	1.014	0.9956	0.8501
1974	4.662	4.63	4.505	4.255	4.078	2.677
1975	2.402	2.398	2.378	2.332	2.294	1.788
1976	4.59	4.559	4.436	4.159	3.958	2.577
1977	3.068	3.053	2.991	2.847	2.731	2.27
1978	3.629	3.61	3.56	3.413	3.282	2.436
1979	1.969	1.965	1.948	1.909	1.876	1.578
1980	2.583	2.568	2.51	2.39	2.305	1.777
1981	1.645	1.638	1.609	1.537	1.475	1.276
1982	51.37	51	49.82	47.01	45.01	27.33
1983	27.38	27.32	26.83	26.02	25.54	21.9
1984	15.38	15.35	15.2	14.87	14.59	11.18
1985	7.539	7.526	7.468	7.321	7.196	5.619
1986	7.004	6.965	6.81	6.47	6.212	4.69
1987	3.88	3.855	3.763	3.719	3.564	3.087
1988	9.767	9.701	9.443	8.916	8.503	5.703
1989	8.188	8.129	7.886	7.464	7.224	4.967
1990	8.311	8.262	8.033	7.53	7.166	5.967

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	51.37	51	49.82	47.01	45.01	27.33
0.0645161290322581	27.38	27.32	26.83	26.02	25.54	21.9
0.0967741935483871	22.03	21.92	21.48	20.54	19.86	14.81
0.129032258064516	15.38	15.35	15.2	14.87	14.59	11.18
0.161290322580645	15.13	15	14.52	13.69	12.09	9.197
0.193548387096774	13.2	13.11	12.79	12.19	11.72	8.574
0.225806451612903	13.04	12.97	12.77	12.06	11.55	8.277
0.258064516129032	12.54	12.47	12.22	11.67	11.47	7.681
0.290322580645161	12.03	12.01	11.91	11.64	11.22	5.967
0.32258064516129	9.767	9.701	9.443	8.916	8.503	5.703
0.354838709677419	8.311	8.262	8.033	7.53	7.224	5.619
0.387096774193548	8.188	8.129	7.886	7.464	7.196	5.458
0.419354838709677	7.539	7.526	7.468	7.321	7.166	5.027
0.451612903225806	7.004	6.965	6.835	6.701	6.588	5.012
0.483870967741936	6.907	6.893	6.81	6.511	6.387	4.967
0.516129032258065	6.718	6.702	6.65	6.48	6.356	4.69
0.548387096774194	6.715	6.702	6.634	6.47	6.212	3.368
0.580645161290323	4.662	4.63	4.505	4.255	4.078	3.087
0.612903225806452	4.59	4.559	4.436	4.159	3.958	2.946
0.645161290322581	3.958	3.949	3.911	3.827	3.759	2.677
0.67741935483871	3.88	3.855	3.763	3.719	3.564	2.577
0.709677419354839	3.629	3.61	3.56	3.413	3.282	2.436
0.741935483870968	3.068	3.053	2.991	2.847	2.731	2.27
0.774193548387097	2.583	2.568	2.51	2.39	2.305	1.788
0.806451612903226	2.402	2.398	2.378	2.332	2.294	1.777
0.838709677419355	2.038	2.035	2.02	1.982	1.945	1.578
0.870967741935484	1.969	1.965	1.948	1.909	1.876	1.51
0.903225806451613	1.645	1.638	1.609	1.537	1.475	1.276
0.935483870967742	1.046	1.044	1.036	1.014	0.9956	0.8501
0.967741935483871	0.7242	0.7199	0.7058	0.4527	0.3018	0.07442
0.1	21.365	21.263	20.852	19.973	19.333	14.447
Average of yearly averages:						5.986884

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

Data used for this run:

Output File: cacosn

Metfile: w23232.dvf

PRZM scenario: CAcornC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd	mg/L		
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life

Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 3.36 kg/ha
 Application Efficiency: APPEFF .95 fraction
 Spray Drift DRFT .00 fraction of application rate applied to pond
 Application Date Date 30-03 dd/mm or dd/mm or dd-mm or dd-mmm
 Record 17: FILTRA
 IPSCND1
 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)

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CA Fruit Ground Application

PRZM environment: CAfruit0C.txt modified Thuday, 17 June 2004 at 09:14:02
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.339	6.297	6.135	3.078	2.052	0.5059
1962	5.811	5.784	5.678	5.473	5.331	3.98
1963	4.208	4.192	4.145	4.011	3.914	3.083
1964	2.998	2.989	2.954	2.879	2.822	2.214
1965	2.977	2.826	2.514	2.438	2.381	1.885
1966	7.362	7.319	7.15	4.019	3.133	2.431
1967	6.873	6.842	6.717	6.479	6.31	4.7
1968	5.195	5.17	4.761	3.685	3.602	2.864
1969	4.992	4.972	4.936	4.814	4.703	3.563
1970	5.91	5.88	5.102	3.713	3.624	2.903
1971	5.752	5.725	5.622	5.421	5.281	4.008
1972	4.3	4.286	4.232	4.113	4.011	3.033
1973	3.55	3.533	3.092	3.01	2.945	2.273
1974	3.558	3.543	3.499	3.385	3.299	2.557
1975	3.348	3.336	3.29	3.191	3.119	2.428
1976	4.585	4.562	4.476	4.315	4.192	3.168
1977	7.635	7.588	6.149	3.585	3.5	2.841
1978	7.514	7.473	7.314	7.002	6.785	4.944
1979	4.1	4.088	4.038	3.965	3.887	2.918
1980	3.06	3.049	3.013	2.917	2.852	2.197
1981	2.451	2.442	2.406	2.331	2.308	1.769
1982	11.1	11.04	6.674	3.793	3.687	3.008
1983	11.17	11.12	10.92	10.66	10.41	7.636
1984	5.572	5.556	5.492	5.351	5.235	3.854
1985	3.877	3.864	3.812	3.701	3.616	2.707
1986	9.842	9.781	6.511	3.292	2.804	2.355
1987	9.702	9.656	9.477	9.084	8.806	6.335
1988	6.37	6.339	5.389	4.643	4.545	3.548
1989	6.223	6.197	6.103	5.894	5.738	4.203
1990	8.184	8.143	7.983	7.661	7.425	5.329

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			11.17	11.12	10.92	10.66	10.41	7.636
0.0645161290322581			11.1	11.04	9.477	9.084	8.806	6.335
0.0967741935483871			9.842	9.781	7.983	7.661	7.425	5.329
0.129032258064516			9.702	9.656	7.314	7.002	6.785	4.944
0.161290322580645			8.184	8.143	7.15	6.479	6.31	4.7
0.193548387096774			7.635	7.588	6.717	5.894	5.738	4.203
0.225806451612903			7.514	7.473	6.674	5.473	5.331	4.008
0.258064516129032			7.362	7.319	6.511	5.421	5.281	3.98
0.290322580645161			6.873	6.842	6.149	5.351	5.235	3.854
0.32258064516129			6.37	6.339	6.135	4.814	4.703	3.563
0.354838709677419			6.339	6.297	6.103	4.643	4.545	3.548
0.387096774193548			6.223	6.197	5.678	4.315	4.192	3.168
0.419354838709677			5.91	5.88	5.622	4.113	4.011	3.083
0.451612903225806			5.811	5.784	5.492	4.019	3.914	3.033
0.483870967741936			5.752	5.725	5.389	4.011	3.887	3.008
0.516129032258065			5.572	5.556	5.102	3.965	3.687	2.918
0.548387096774194			5.195	5.17	4.936	3.793	3.624	2.903
0.580645161290323			4.992	4.972	4.761	3.713	3.616	2.864
0.612903225806452			4.585	4.562	4.476	3.701	3.602	2.841
0.645161290322581			4.3	4.286	4.232	3.685	3.5	2.707
0.67741935483871			4.208	4.192	4.145	3.585	3.299	2.557
0.709677419354839			4.1	4.088	4.038	3.385	3.133	2.431
0.741935483870968			3.877	3.864	3.812	3.292	3.119	2.428
0.774193548387097			3.558	3.543	3.499	3.191	2.945	2.355
0.806451612903226			3.55	3.533	3.29	3.078	2.852	2.273
0.838709677419355			3.348	3.336	3.092	3.01	2.822	2.214
0.870967741935484			3.06	3.049	3.013	2.917	2.804	2.197
0.903225806451613			2.998	2.989	2.954	2.879	2.381	1.885
0.935483870967742			2.977	2.826	2.514	2.438	2.308	1.769
0.967741935483871			2.451	2.442	2.406	2.331	2.052	0.5059
0.1	9.828	9.7685	7.9161	7.5951	7.361	5.2905		
Average of yearly averages:							3.30799666666667	

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

Data used for this run:

Output File: cafrsp

Metfile: w93193.dvf

PRZM scenario: CAfruit0C.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife

Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method:	CAM 2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP 2.24	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT .01	fraction of application rate applied to pond		
Application Date	Date 01-12	dd/mm or dd/mm or dd-mm or dd-mmm		
Record 17:	FILTRA			
	IPSCND1			
	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)	

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CA Grapes Aerial Application

PRZM environment: CAgapes0C.txt modified Thuday, 17 June 2004 at 09:13:38
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
Metfile: w93193.dvf modified Wedday, 3 July 2002 at 09:04:24
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	13.45	13.34	12.95	12.18	11.67	7.129
1962	18.85	18.74	18.3	17.38	16.7	11.25
1963	21.2	21.1	20.84	20.58	20.03	14.05
1964	23.26	23.14	22.66	21.67	20.93	14.81
1965	36.08	35.86	35	33.18	31.84	21.83
1966	29.16	29.01	28.41	27.09	26.05	18.74
1967	26.29	26.16	25.66	25.09	24.4	17.2
1968	24.52	24.38	23.86	22.78	21.96	15.5
1969	23.83	23.71	23.21	22.8	22.26	15.87
1970	34.72	34.55	33.79	32.15	30.93	20.8
1971	27.6	27.46	26.91	25.88	25.19	18.32
1972	25.7	25.57	24.96	23.74	22.86	16.21
1973	24.32	24.19	23.72	22.93	22.11	15.48
1974	23.66	23.55	23.04	21.99	21.19	14.77
1975	23.11	22.99	22.51	21.56	20.84	14.75
1976	23.56	23.43	22.94	21.95	21.19	15.14
1977	23.89	23.76	23.26	22.17	21.34	14.86
1978	28.45	28.27	27.54	26.21	25.24	17.14
1979	24.8	24.67	24.11	22.96	22.08	15.34
1980	24.77	24.64	24.1	23.12	22.34	15.46
1981	23.55	23.43	22.96	22.19	21.4	14.57
1982	23.71	23.64	23.22	22.49	21.82	15.27
1983	31.39	31.2	30.44	28.96	27.87	18.85
1984	25.66	25.53	24.94	23.75	22.83	15.66
1985	23.03	22.9	22.4	21.31	20.45	13.89
1986	26.01	25.85	25.47	24.18	23.31	15.7
1987	23.68	23.55	23.04	21.9	21.01	14.59
1988	22.9	22.81	22.3	21.35	20.8	14.46

1989	23.96	23.82	23.26	22.82	22.04	15.18
1990	23.56	23.43	22.89	21.74	20.9	14.91

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	36.08	35.86	35	33.18	31.84	21.83
0.0645161290322581	34.72	34.55	33.79	32.15	30.93	20.8
0.0967741935483871	31.39	31.2	30.44	28.96	27.87	18.85
0.129032258064516	29.16	29.01	28.41	27.09	26.05	18.74
0.161290322580645	28.45	28.27	27.54	26.21	25.24	18.32
0.193548387096774	27.6	27.46	26.91	25.88	25.19	17.2
0.225806451612903	26.29	26.16	25.66	25.09	24.4	17.14
0.258064516129032	26.01	25.85	25.47	24.18	23.31	16.21
0.290322580645161	25.7	25.57	24.96	23.75	22.86	15.87
0.32258064516129	25.66	25.53	24.94	23.74	22.83	15.7
0.354838709677419	24.8	24.67	24.11	23.12	22.34	15.66
0.387096774193548	24.77	24.64	24.1	22.96	22.26	15.5
0.419354838709677	24.52	24.38	23.86	22.93	22.11	15.48
0.451612903225806	24.32	24.19	23.72	22.82	22.08	15.46
0.483870967741936	23.96	23.82	23.26	22.8	22.04	15.34
0.516129032258065	23.89	23.76	23.26	22.78	21.96	15.27
0.548387096774194	23.83	23.71	23.22	22.49	21.82	15.18
0.580645161290323	23.71	23.64	23.21	22.19	21.4	15.14
0.612903225806452	23.68	23.55	23.04	22.17	21.34	14.91
0.645161290322581	23.66	23.55	23.04	21.99	21.19	14.86
0.67741935483871	23.56	23.43	22.96	21.95	21.19	14.81
0.709677419354839	23.56	23.43	22.94	21.9	21.01	14.77
0.741935483870968	23.55	23.43	22.89	21.74	20.93	14.75
0.774193548387097	23.26	23.14	22.66	21.67	20.9	14.59
0.806451612903226	23.11	22.99	22.51	21.56	20.84	14.57
0.838709677419355	23.03	22.9	22.4	21.35	20.8	14.46
0.870967741935484	22.9	22.81	22.3	21.31	20.45	14.05
0.903225806451613	21.2	21.1	20.84	20.58	20.03	13.89
0.935483870967742	18.85	18.74	18.3	17.38	16.7	11.25
0.967741935483871	13.45	13.34	12.95	12.18	11.67	7.129

0.1	31.167	30.981	30.237	28.773	27.688	18.839	
Average of yearly averages:						15.5909666666667	

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

Data used for this run:

Output File: cagrsp

Metfile: w93193.dvf

PRZM scenario: CAgrapes0C.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	

Photolysis half-life	kdp	0	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife	
Hydrolysis:	pH 7	0	days	Half-life	
Method: CAM	2	integer	See PRZM manual		
Incorporation Depth:	DEPI	0	cm		
Application Rate: TAPP	5.38	kg/ha			
Application Efficiency:	APPEFF	.95	fraction		
Spray Drift	DRFT	.05	fraction of application rate applied to pond		
Application Date	Date	28-02	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND1				
	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)		

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CA Lettuce Aerial Application

PRZM environment: CAlettuceC.txt modified Monday, 11 October 2004 at 16:23:40
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
Metfile: w23273.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	22.46	22.32	21.82	15.08	10.88	2.816
1962	20.64	20.54	20.19	19.71	19.25	16.57
1963	17.46	17.37	17.01	16.63	16.15	14.42
1964	30.79	30.69	30.11	29.28	24.63	16.07
1965	27.57	27.46	27.04	26.18	25.57	22.5
1966	24.86	24.78	24.45	23.74	23.23	20.65
1967	23.07	22.99	22.66	22	21.51	18.73
1968	30.47	30.28	29.71	28.8	26.73	18.02
1969	26.32	26.23	25.84	25.03	24.47	21.38
1970	26.86	26.73	26.34	22	20.24	18.37
1971	25.21	25.12	24.73	23.93	23.37	19.92
1972	21.22	21.15	20.82	19.95	18.8	15.62
1973	19.47	19.41	19.16	18.6	18.2	16.19
1974	35.68	35.55	34.83	27.94	23.78	17.11
1975	34.18	34.03	33.43	32.3	31.51	26.46
1976	47.23	47.07	46.08	43.73	42.25	24.54
1977	38.79	38.69	38.22	37.05	36.2	30.31
1978	30.99	30.93	30.48	29.47	28.74	24.53
1979	23.91	23.84	23.59	22.98	22.51	19.69
1980	22.38	22.27	21.87	19.4	18.99	16.78
1981	22.26	22.2	21.96	21.35	21.08	18.79
1982	19.72	19.68	19.47	18.96	18.56	16.59
1983	22.84	22.7	22.3	21.98	21.7	16.14
1984	20.48	20.41	20.14	19.58	19.17	16.63
1985	19.67	19.61	19.37	18.29	16.65	14.59

1986	22.88	22.8	22.49	21.53	21.21	16.78
1987	21.95	21.92	21.74	21.17	20.74	18.56
1988	19.95	19.89	19.65	19.11	18.69	16.07
1989	17.66	17.6	17.38	16.9	16.54	14.33
1990	13.19	13.17	13.08	12.87	12.64	11.27

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			47.23	47.07	46.08	43.73	42.25	30.31
0.0645161290322581			38.79	38.69	38.22	37.05	36.2	26.46
0.0967741935483871			35.68	35.55	34.83	32.3	31.51	24.54
0.129032258064516			34.18	34.03	33.43	29.47	28.74	24.53
0.161290322580645			30.99	30.93	30.48	29.28	26.73	22.5
0.193548387096774			30.79	30.69	30.11	28.8	25.57	21.38
0.225806451612903			30.47	30.28	29.71	27.94	24.63	20.65
0.258064516129032			27.57	27.46	27.04	26.18	24.47	19.92
0.290322580645161			26.86	26.73	26.34	25.03	23.78	19.69
0.32258064516129			26.32	26.23	25.84	23.93	23.37	18.79
0.354838709677419			25.21	25.12	24.73	23.74	23.23	18.73
0.387096774193548			24.86	24.78	24.45	22.98	22.51	18.56
0.419354838709677			23.91	23.84	23.59	22	21.7	18.37
0.451612903225806			23.07	22.99	22.66	22	21.51	18.02
0.483870967741936			22.88	22.8	22.49	21.98	21.21	17.11
0.516129032258065			22.84	22.7	22.3	21.53	21.08	16.78
0.548387096774194			22.46	22.32	21.96	21.35	20.74	16.78
0.580645161290323			22.38	22.27	21.87	21.17	20.24	16.63
0.612903225806452			22.26	22.2	21.82	19.95	19.25	16.59
0.645161290322581			21.95	21.92	21.74	19.71	19.17	16.57
0.67741935483871			21.22	21.15	20.82	19.58	18.99	16.19
0.709677419354839			20.64	20.54	20.19	19.4	18.8	16.14
0.741935483870968			20.48	20.41	20.14	19.11	18.69	16.07
0.774193548387097			19.95	19.89	19.65	18.96	18.56	16.07
0.806451612903226			19.72	19.68	19.47	18.6	18.2	15.62
0.838709677419355			19.67	19.61	19.37	18.29	16.65	14.59
0.870967741935484			19.47	19.41	19.16	16.9	16.54	14.42
0.903225806451613			17.66	17.6	17.38	16.63	16.15	14.33
0.935483870967742			17.46	17.37	17.01	15.08	12.64	11.27
0.967741935483871			13.19	13.17	13.08	12.87	10.88	2.816
0.1			35.53	35.398	34.69	32.017	31.233	24.539
Average of yearly averages:								18.0142

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

Data used for this run:

Output File: calesp

Metfile: w23273.dvf

PRZM scenario: CAlettuceC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	

Solubility	sol	3.5	mg/L			
Kd	Kd		mg/L			
Koc	Koc	123	mg/L			
Photolysis half-life	kdp	0	days	Half-life		
Aerobic Aquatic Metabolism		kbacw	214	days	Halfife	
Anaerobic Aquatic Metabolism		kbacs	168	days	Halfife	
Aerobic Soil Metabolism	asm	130	days	Halfife		
Hydrolysis:	pH 7	0	days	Half-life		
Method: CAM	2	integer	See PRZM manual			
Incorporation Depth:	DEPI	0	cm			
Application Rate: TAPP	1.12	kg/ha				
Application Efficiency:	APPEFF	.95	fraction			
Spray Drift	DRFT	.05	fraction of application rate applied to pond			
Application Date	Date	15-09	dd/mm or dd/mm or dd-mm or dd-mmm			
Record 17:	FILTRA					
	IPSCND1					
	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)			

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FL Citrus Aerial Application No Drift

PRZM environment: FLCitrusC.txt modified Satday, 12 October 2002 at 16:39:50

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

Metfile: w12842.dvf modified Wedday, 3 July 2002 at 09:04:28

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	21.83	21.6	20.84	19.55	18.82	10.05
1962	22.33	22.11	21.59	20.82	19.7	13.81
1963	22.16	21.93	21.5	19.99	18.88	13.22
1964	100	99.02	94.84	87.99	83.95	47.34
1965	55.93	55.42	53.85	50.14	47.35	38.72
1966	99.7	98.65	95.22	87.2	81.76	48.81
1967	54.01	53.54	52.57	49.4	47.19	40.23
1968	64.76	64.13	61.71	57.46	54.19	37.56
1969	150	148	145	138	130	75.33
1970	151	150	146	135	127	85.93
1971	260	257	247	226	212	127
1972	110	109	107	103	99.71	83.53
1973	53.73	53.53	52.69	50.94	49.49	40.07
1974	40.93	40.54	39.18	37.66	35.81	25.68
1975	41.48	41.07	40.09	37.9	35.73	26.31
1976	170	169	164	151	141	76.18
1977	76.12	75.92	75.07	73.03	71.02	54.07
1978	74.91	74.2	72.08	67.08	64.21	43.41
1979	447	444	427	389	363	190
1980	215	213	207	196	186	150
1981	125	124	121	112	106	87.55
1982	82.36	81.64	79.22	73.33	69.56	55.45

1983	190	188	185	172	161	90.39
1984	131	130	125	116	109	84.44
1985	140	139	133	121	114	74.68
1986	69.79	69.24	67.15	63.75	61.3	51.88
1987	101	99.56	95.49	90.03	85.7	53.18
1988	61.38	60.82	59.23	56.9	55.72	44.56
1989	44.19	43.86	43.12	39.68	37.21	28.58
1990	25.85	25.6	24.99	24.07	23.06	19.19

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	447	444	427	389	363	190
0.0645161290322581	260	257	247	226	212	150
0.0967741935483871	215	213	207	196	186	127
0.129032258064516	190	188	185	172	161	90.39
0.161290322580645	170	169	164	151	141	87.55
0.193548387096774	151	150	146	138	130	85.93
0.225806451612903	150	148	145	135	127	84.44
0.258064516129032	140	139	133	121	114	83.53
0.290322580645161	131	130	125	116	109	76.18
0.32258064516129	125	124	121	112	106	75.33
0.354838709677419	110	109	107	103	99.71	74.68
0.387096774193548	101	99.56	95.49	90.03	85.7	55.45
0.419354838709677	100	99.02	95.22	87.99	83.95	54.07
0.451612903225806	99.7	98.65	94.84	87.2	81.76	53.18
0.483870967741936	82.36	81.64	79.22	73.33	71.02	51.88
0.516129032258065	76.12	75.92	75.07	73.03	69.56	48.81
0.548387096774194	74.91	74.2	72.08	67.08	64.21	47.34
0.580645161290323	69.79	69.24	67.15	63.75	61.3	44.56
0.612903225806452	64.76	64.13	61.71	57.46	55.72	43.41
0.645161290322581	61.38	60.82	59.23	56.9	54.19	40.23
0.67741935483871	55.93	55.42	53.85	50.94	49.49	40.07
0.709677419354839	54.01	53.54	52.69	50.14	47.35	38.72
0.741935483870968	53.73	53.53	52.57	49.4	47.19	37.56
0.774193548387097	44.19	43.86	43.12	39.68	37.21	28.58
0.806451612903226	41.48	41.07	40.09	37.9	35.81	26.31
0.838709677419355	40.93	40.54	39.18	37.66	35.73	25.68
0.870967741935484	25.85	25.6	24.99	24.07	23.06	19.19
0.903225806451613	22.33	22.11	21.59	20.82	19.7	13.81
0.935483870967742	22.16	21.93	21.5	19.99	18.88	13.22
0.967741935483871	21.83	21.6	20.84	19.55	18.82	10.05

0.1	212.5	210.5	204.8	193.6	183.5	123.339	
Average of yearly averages:							60.5716666666667

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

Data used for this run:

Output File: flcisp

Metfile: w12842.dvf

PRZM scenario: FLCitrusC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	201.7	g/mol			
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol			
Vapor Pressure	vapr	6.1E-9	torr			
Solubility	sol	3.5	mg/L			
Kd	Kd	mg/L				
Koc	Koc	123	mg/L			
Photolysis half-life	kdp	0	days	Half-life		
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife		
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife		
Aerobic Soil Metabolism	asm	130	days	Halfife		
Hydrolysis:	pH 7	0	days	Half-life		
Method: CAM	2	integer	See PRZM manual			
Incorporation Depth:	DEPI	0	cm			
Application Rate: TAPP	10.75	kg/ha				
Application Efficiency:	APPEFF	.95	fraction			
Spray Drift	DRFT	.00	fraction of application rate applied to pond			
Application Date	Date	15-04	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy			
Record 17:	FILTRA					
	IPSCND1					
	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)			

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FL Citrus Aerial Application

PRZM environment: FLCitrusC.txt modified Satday, 12 October 2002 at 16:39:50

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

Metfile: w12842.dvf modified Wedday, 3 July 2002 at 09:04:28

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	42.16	41.74	40.66	39.74	38.31	21.48
1962	50.88	50.42	48.88	46.9	45.58	31.68
1963	49.7	49.23	48	45.06	43.4	33.74
1964	137	135	130	120	114	68.74
1965	87.01	86.24	83.76	77.93	73.72	60.55
1966	132	130	126	116	109	70.97
1967	84.16	83.49	82.04	77.73	75.28	62.25
1968	97.6	96.7	93.17	86.61	81.74	59.97
1969	184	182	178	170	160	97.91
1970	185	183	179	166	156	108
1971	295	292	281	257	241	149
1972	139	138	133	129	126	105
1973	88.9	88.31	85.52	81.04	78.36	61.18
1974	69.85	69.19	67.63	65.07	61.64	46.47
1975	71.79	71.16	69.18	65.78	66.01	46.72
1976	204	202	196	181	169	97.02
1977	102	101	98.24	91.74	90.33	75.52
1978	108	107	105	99.13	94.29	64.68
1979	482	479	461	420	392	210
1980	250	248	241	227	215	171

1981	157	156	152	140	133	109
1982	115	114	111	103	97.69	77.11
1983	223	220	216	201	189	112
1984	165	163	157	145	137	106
1985	170	168	161	148	139	95.62
1986	105	104	101	94.6	92.43	72.56
1987	135	133	128	120	114	73.81
1988	93.81	93.13	91.19	88.99	87.72	65.64
1989	73.25	72.66	70.86	65.2	61.21	49.29
1990	58.9	58.45	56.62	55.07	53.96	39.46

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			482	479	461	420	392	210
0.0645161290322581			295	292	281	257	241	171
0.0967741935483871			250	248	241	227	215	149
0.129032258064516			223	220	216	201	189	112
0.161290322580645			204	202	196	181	169	109
0.193548387096774			185	183	179	170	160	108
0.225806451612903			184	182	178	166	156	106
0.258064516129032			170	168	161	148	139	105
0.290322580645161			165	163	157	145	137	97.91
0.32258064516129			157	156	152	140	133	97.02
0.354838709677419			139	138	133	129	126	95.62
0.387096774193548			137	135	130	120	114	77.11
0.419354838709677			135	133	128	120	114	75.52
0.451612903225806			132	130	126	116	109	73.81
0.483870967741936			115	114	111	103	97.69	72.56
0.516129032258065			108	107	105	99.13	94.29	70.97
0.548387096774194			105	104	101	94.6	92.43	68.74
0.580645161290323			102	101	98.24	91.74	90.33	65.64
0.612903225806452			97.6	96.7	93.17	88.99	87.72	64.68
0.645161290322581			93.81	93.13	91.19	86.61	81.74	62.25
0.67741935483871			88.9	88.31	85.52	81.04	78.36	61.18
0.709677419354839			87.01	86.24	83.76	77.93	75.28	60.55
0.741935483870968			84.16	83.49	82.04	77.73	73.72	59.97
0.774193548387097			73.25	72.66	70.86	65.78	66.01	49.29
0.806451612903226			71.79	71.16	69.18	65.2	61.64	46.72
0.838709677419355			69.85	69.19	67.63	65.07	61.21	46.47
0.870967741935484			58.9	58.45	56.62	55.07	53.96	39.46
0.903225806451613			50.88	50.42	48.88	46.9	45.58	33.74
0.935483870967742			49.7	49.23	48	45.06	43.4	31.68
0.967741935483871			42.16	41.74	40.66	39.74	38.31	21.48
0.1	247.3	245.2	238.5	224.4	212.4	145.3		
Average of yearly averages:							81.4123333333333	

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

Data used for this run:

Output File: flcisp

Metfile: w12842.dvf

PRZM scenario: FLCitrusC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP		10.75	kg/ha	
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	.05	fraction of application rate applied to pond	
Application Date	Date	15-04	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

FL Citrus Ground Application

PRZM environment: FLCitrusC.txt modified Satday, 12 October 2002 at 16:39:50

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

Metfile: w12842.dvf modified Wedday, 3 July 2002 at 09:04:28

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	26.85	26.57	25.71	24.04	23.54	12.77
1962	28.99	28.72	27.97	26.73	25.28	17.98
1963	28.6	28.31	27.67	25.78	24.42	17.88
1964	112	110	106	98.16	93.57	53.63
1965	64.51	63.93	62.11	57.8	54.61	44.72
1966	110	109	105	96.57	90.57	55.31
1967	62.32	61.77	60.67	56.94	54.62	46.33
1968	74.05	73.34	70.6	65.7	61.98	43.62
1969	163	161	158	150	141	83.01
1970	164	163	159	147	138	93.97
1971	278	275	264	242	227	137
1972	117	117	115	110	107	91.28
1973	61.07	60.7	58.9	55.98	54.39	45.97
1974	48.3	47.85	46.29	44.73	42.48	30.92
1975	48.96	48.48	47.51	44.86	42.41	31.5
1976	184	183	177	163	153	83.55
1977	82.48	82.26	81.34	79.13	76.95	60.64
1978	84.67	83.88	81.62	76.32	72.93	49.5

1979	473	470	452	412	384	202
1980	231	229	223	211	200	161
1981	137	136	132	122	116	95.56
1982	92.35	91.54	88.86	82.4	78.12	62.12
1983	205	202	199	185	174	98.52
1984	143	142	137	127	120	92.31
1985	152	151	144	132	124	82.01
1986	79.74	79.1	76.67	72.61	69.69	58.2
1987	112	110	106	99.79	94.91	59.54
1988	70.26	69.63	67.74	65.13	64.46	50.65
1989	51.86	51.47	50.49	46.46	43.58	33.93
1990	32.98	32.66	31.79	30.72	29.91	24.05

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	473	470	452	412	384	202
0.0645161290322581	278	275	264	242	227	161
0.0967741935483871	231	229	223	211	200	137
0.129032258064516	205	202	199	185	174	98.52
0.161290322580645	184	183	177	163	153	95.56
0.193548387096774	164	163	159	150	141	93.97
0.225806451612903	163	161	158	147	138	92.31
0.258064516129032	152	151	144	132	124	91.28
0.290322580645161	143	142	137	127	120	83.55
0.32258064516129	137	136	132	122	116	83.01
0.354838709677419	117	117	115	110	107	82.01
0.387096774193548	112	110	106	99.79	94.91	62.12
0.419354838709677	112	110	106	98.16	93.57	60.64
0.451612903225806	110	109	105	96.57	90.57	59.54
0.483870967741936	92.35	91.54	88.86	82.4	78.12	58.2
0.516129032258065	84.67	83.88	81.62	79.13	76.95	55.31
0.548387096774194	82.48	82.26	81.34	76.32	72.93	53.63
0.580645161290323	79.74	79.1	76.67	72.61	69.69	50.65
0.612903225806452	74.05	73.34	70.6	65.7	64.46	49.5
0.645161290322581	70.26	69.63	67.74	65.13	61.98	46.33
0.67741935483871	64.51	63.93	62.11	57.8	54.62	45.97
0.709677419354839	62.32	61.77	60.67	56.94	54.61	44.72
0.741935483870968	61.07	60.7	58.9	55.98	54.39	43.62
0.774193548387097	51.86	51.47	50.49	46.46	43.58	33.93
0.806451612903226	48.96	48.48	47.51	44.86	42.48	31.5
0.838709677419355	48.3	47.85	46.29	44.73	42.41	30.92
0.870967741935484	32.98	32.66	31.79	30.72	29.91	24.05
0.903225806451613	28.99	28.72	27.97	26.73	25.28	17.98
0.935483870967742	28.6	28.31	27.67	25.78	24.42	17.88
0.967741935483871	26.85	26.57	25.71	24.04	23.54	12.77
0.1	228.4	226.3	220.6	208.4	197.4	133.152
Average of yearly averages:						67.3156666666667

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

Data used for this run:

Output File: flcisp

Metfile: w12842.dvf

PRZM scenario: FLcitrusC.txt
 EXAMS environment file: pond298.exv
 Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	10.75	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	15-04	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Record 17:	FILTRA			
	IPSCND1			
	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)	

FL Turf Granular Application

PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	50.31	49.9	48.31	45.08	42.96	27.44
1962	17.87	17.78	17.27	16.7	16.25	13.74
1963	45.98	45.69	45.14	42.82	40.95	27.17
1964	39.93	39.69	38.75	36.85	35.52	24.25
1965	16.35	16.27	15.96	15.64	15.1	11.63
1966	15.19	15.12	14.82	14.12	13.58	9.474
1967	26.86	26.67	25.94	24.36	23.27	16.03
1968	10.75	10.72	10.58	10.27	10.05	7.777
1969	8.115	8.075	7.914	7.576	7.3	5.482
1970	139	138	133	127	121	75.49
1971	382	379	368	346	332	214
1972	134	134	131	129	127	91.58
1973	78.83	78.44	77.27	74.13	71.71	50.71
1974	53.96	53.57	51.97	48.62	46.25	32.52
1975	26.21	26.05	25.44	23.85	23.67	18.6
1976	83.64	82.9	79.96	74.52	70.56	41.58

1977	112	111	109	102	97.87	64.87
1978	98.22	97.68	96.62	92.84	89.22	59.46
1979	75.29	74.85	73.13	70.98	70.06	49.32
1980	123	122	119	112	108	71.93
1981	180	179	174	165	157	103
1982	82.58	82.25	80.77	79.34	76.65	58.28
1983	76.66	76.25	75.37	72.72	70.34	49.63
1984	66.85	66.46	64.81	63.25	61.9	43.55
1985	39.35	39.09	38.01	35.51	33.72	25.75
1986	16.4	16.35	16.13	15.62	15.2	10.82
1987	92.81	92.08	89.66	84.44	80.83	51.46
1988	195	194	188	178	171	113
1989	830	823	796	745	711	459
1990	352	350	342	325	311	226

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			830	823	796	745	711	459
0.0645161290322581			382	379	368	346	332	226
0.0967741935483871			352	350	342	325	311	214
0.129032258064516			195	194	188	178	171	113
0.161290322580645			180	179	174	165	157	103
0.193548387096774			139	138	133	129	127	91.58
0.225806451612903			134	134	131	127	121	75.49
0.258064516129032			123	122	119	112	108	71.93
0.290322580645161			112	111	109	102	97.87	64.87
0.32258064516129			98.22	97.68	96.62	92.84	89.22	59.46
0.354838709677419			92.81	92.08	89.66	84.44	80.83	58.28
0.387096774193548			83.64	82.9	80.77	79.34	76.65	51.46
0.419354838709677			82.58	82.25	79.96	74.52	71.71	50.71
0.451612903225806			78.83	78.44	77.27	74.13	70.56	49.63
0.483870967741936			76.66	76.25	75.37	72.72	70.34	49.32
0.516129032258065			75.29	74.85	73.13	70.98	70.06	43.55
0.548387096774194			66.85	66.46	64.81	63.25	61.9	41.58
0.580645161290323			53.96	53.57	51.97	48.62	46.25	32.52
0.612903225806452			50.31	49.9	48.31	45.08	42.96	27.44
0.645161290322581			45.98	45.69	45.14	42.82	40.95	27.17
0.67741935483871			39.93	39.69	38.75	36.85	35.52	25.75
0.709677419354839			39.35	39.09	38.01	35.51	33.72	24.25
0.741935483870968			26.86	26.67	25.94	24.36	23.67	18.6
0.774193548387097			26.21	26.05	25.44	23.85	23.27	16.03
0.806451612903226			17.87	17.78	17.27	16.7	16.25	13.74
0.838709677419355			16.4	16.35	16.13	15.64	15.2	11.63
0.870967741935484			16.35	16.27	15.96	15.62	15.1	10.82
0.903225806451613			15.19	15.12	14.82	14.12	13.58	9.474
0.935483870967742			10.75	10.72	10.58	10.27	10.05	7.777
0.967741935483871			8.115	8.075	7.914	7.576	7.3	5.482
0.1	336.3	334.4	326.6	310.3	297	203.9		
Average of yearly averages:							68.4514333333333	

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

Data used for this run:

Output File: fltusp
 Metfile: w12834.dvf
 PRZM scenario: FLturfC.txt
 EXAMS environment file: pond298.exv
 Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	44.8	kg/ha		
Application Efficiency:	APPEFF	1	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	20-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

MS Corn Aerial Application

PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30
 Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	80.78	80.21	77.96	74.38	71.47	41.44
1962	96.55	96.03	94.55	89.51	85.01	57.28
1963	71.14	70.7	68.79	65.97	63.72	48.22
1964	85.76	85.16	83.61	79.26	75.35	51.64
1965	54.91	54.58	53.25	50.6	49.37	39.23
1966	62.4	61.95	60.24	56.37	53.41	38.4
1967	43.25	42.98	42.35	40.6	39.38	31.43
1968	53.1	52.75	52.12	49.34	46.97	32.4
1969	90.8	90.16	88.38	82.88	78.46	50.28
1970	80.58	80.09	78.34	74.42	72.12	51.83
1971	48.69	48.46	47.44	46.45	44.95	35.44
1972	48.04	47.7	46.35	45.01	43.58	31.42
1973	48.97	48.79	48	45.25	43.48	31.06
1974	46.96	46.67	45.4	43.11	41.31	29.65

1975	41.26	40.96	40.38	39.54	37.94	27.74
1976	31.97	31.72	30.7	28.99	28.13	23.83
1977	70.71	70.23	68.31	64.97	61.48	40.06
1978	66.32	65.92	63.96	59.26	55.68	39.71
1979	125	124	122	116	111	69.74
1980	96.23	95.68	93.68	88.64	84.18	59.8
1981	53.1	52.76	52.04	50.04	48.13	37.38
1982	54.13	53.93	52.81	50.72	48.47	33.64
1983	65.66	65.44	64.63	61.38	58.61	38.8
1984	75.49	75.13	73.65	69.6	67.99	46.72
1985	112	111	108	103	99.7	66.1
1986	91.93	91.36	89.11	83.91	79.67	57.24
1987	86.08	85.52	83.3	77.55	73.22	51.4
1988	59.16	58.83	58.19	56.24	53.74	39.75
1989	55.93	55.61	54.28	51.5	49.26	34.89
1990	50.09	49.82	49.33	47.85	46.11	32.42

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	125	124	122	116	111	69.74
0.0645161290322581	112	111	108	103	99.7	66.1
0.0967741935483871	96.55	96.03	94.55	89.51	85.01	59.8
0.129032258064516	96.23	95.68	93.68	88.64	84.18	57.28
0.161290322580645	91.93	91.36	89.11	83.91	79.67	57.24
0.193548387096774	90.8	90.16	88.38	82.88	78.46	51.83
0.225806451612903	86.08	85.52	83.61	79.26	75.35	51.64
0.258064516129032	85.76	85.16	83.3	77.55	73.22	51.4
0.290322580645161	80.78	80.21	78.34	74.42	72.12	50.28
0.32258064516129	80.58	80.09	77.96	74.38	71.47	48.22
0.354838709677419	75.49	75.13	73.65	69.6	67.99	46.72
0.387096774193548	71.14	70.7	68.79	65.97	63.72	41.44
0.419354838709677	70.71	70.23	68.31	64.97	61.48	40.06
0.451612903225806	66.32	65.92	64.63	61.38	58.61	39.75
0.483870967741936	65.66	65.44	63.96	59.26	55.68	39.71
0.516129032258065	62.4	61.95	60.24	56.37	53.74	39.23
0.548387096774194	59.16	58.83	58.19	56.24	53.41	38.8
0.580645161290323	55.93	55.61	54.28	51.5	49.37	38.4
0.612903225806452	54.91	54.58	53.25	50.72	49.26	37.38
0.645161290322581	54.13	53.93	52.81	50.6	48.47	35.44
0.67741935483871	53.1	52.76	52.12	50.04	48.13	34.89
0.709677419354839	53.1	52.75	52.04	49.34	46.97	33.64
0.741935483870968	50.09	49.82	49.33	47.85	46.11	32.42
0.774193548387097	48.97	48.79	48	46.45	44.95	32.4
0.806451612903226	48.69	48.46	47.44	45.25	43.58	31.43
0.838709677419355	48.04	47.7	46.35	45.01	43.48	31.42
0.870967741935484	46.96	46.67	45.4	43.11	41.31	31.06
0.903225806451613	43.25	42.98	42.35	40.6	39.38	29.65
0.935483870967742	41.26	40.96	40.38	39.54	37.94	27.74
0.967741935483871	31.97	31.72	30.7	28.99	28.13	23.83
0.1	96.518	95.995	94.463	89.423	84.927	59.548
Average of yearly averages:						42.298

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

Data used for this run:

Output File: mscosp

Metfile: w13893.dvf

PRZM scenario: MScornC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	3.36	kg/ha		
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	.05	fraction of application rate applied to pond	
Application Date	Date	30-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

MS Corn Aerial Application No Drift

PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02

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

Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	72.78	72.27	70.25	66.78	64.23	37.32
1962	84.68	84.23	83.06	78.73	74.8	50.64
1963	59.18	58.82	57.21	54.29	52.63	40.54
1964	72.23	71.72	70.53	66.94	63.66	43.49
1965	40.93	40.7	39.77	37.98	37.37	30.9
1966	49.53	49.17	47.76	44.65	42.14	29.85
1967	30.47	30.28	29.59	28.38	27.24	22.63
1968	38.7	38.45	38.07	36.09	34.36	23.53
1969	76.85	76.29	74.7	70.02	66.24	41.57
1970	67.28	66.86	65.22	61.92	59.7	43.18
1971	35.33	35.18	34.47	33.38	32.51	26.79
1972	35.13	34.88	33.89	32.19	31.37	22.84

1973	35.56	35.42	34.8	32.8	31.09	22.41
1974	33.82	33.61	32.68	30.78	29.58	21.13
1975	28.28	28.07	27.74	26.85	25.89	19.11
1976	23.81	23.61	22.79	21.43	20.76	15.2
1977	56.42	56.04	54.53	52.09	49.31	31.67
1978	54.06	53.71	52.08	48.19	45.25	31.56
1979	112	111	109	104	98.55	61.49
1980	82.74	82.27	80.52	76.16	72.35	51.73
1981	40.72	40.47	39.5	38.29	36.6	29.62
1982	41.16	41.02	40.18	38.34	36.72	25.64
1983	52.23	51.96	51.45	48.87	46.67	30.6
1984	62.81	62.52	61.39	57.4	55.93	38.39
1985	98.9	98.23	95.32	90.44	87.57	57.8
1986	78.22	77.75	75.87	71.48	67.89	49.12
1987	72.88	72.41	70.51	65.63	61.95	43.38
1988	46.09	45.85	45.05	43.69	41.83	31.68
1989	42.26	42.03	41.06	38.89	37.23	26.62
1990	36.93	36.74	36.42	35.18	33.85	24.08

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			112	111	109	104	98.55	61.49
0.0645161290322581			98.9	98.23	95.32	90.44	87.57	57.8
0.0967741935483871			84.68	84.23	83.06	78.73	74.8	51.73
0.129032258064516			82.74	82.27	80.52	76.16	72.35	50.64
0.161290322580645			78.22	77.75	75.87	71.48	67.89	49.12
0.193548387096774			76.85	76.29	74.7	70.02	66.24	43.49
0.225806451612903			72.88	72.41	70.53	66.94	64.23	43.38
0.258064516129032			72.78	72.27	70.51	66.78	63.66	43.18
0.290322580645161			72.23	71.72	70.25	65.63	61.95	41.57
0.32258064516129			67.28	66.86	65.22	61.92	59.7	40.54
0.354838709677419			62.81	62.52	61.39	57.4	55.93	38.39
0.387096774193548			59.18	58.82	57.21	54.29	52.63	37.32
0.419354838709677			56.42	56.04	54.53	52.09	49.31	31.68
0.451612903225806			54.06	53.71	52.08	48.87	46.67	31.67
0.483870967741936			52.23	51.96	51.45	48.19	45.25	31.56
0.516129032258065			49.53	49.17	47.76	44.65	42.14	30.9
0.548387096774194			46.09	45.85	45.05	43.69	41.83	30.6
0.580645161290323			42.26	42.03	41.06	38.89	37.37	29.85
0.612903225806452			41.16	41.02	40.18	38.34	37.23	29.62
0.645161290322581			40.93	40.7	39.77	38.29	36.72	26.79
0.67741935483871			40.72	40.47	39.5	37.98	36.6	26.62
0.709677419354839			38.7	38.45	38.07	36.09	34.36	25.64
0.741935483870968			36.93	36.74	36.42	35.18	33.85	24.08
0.774193548387097			35.56	35.42	34.8	33.38	32.51	23.53
0.806451612903226			35.33	35.18	34.47	32.8	31.37	22.84
0.838709677419355			35.13	34.88	33.89	32.19	31.09	22.63
0.870967741935484			33.82	33.61	32.68	30.78	29.58	22.41
0.903225806451613			30.47	30.28	29.59	28.38	27.24	21.13
0.935483870967742			28.28	28.07	27.74	26.85	25.89	19.11
0.967741935483871			23.81	23.61	22.79	21.43	20.76	15.2
0.1	84.486	84.034	82.806	78.473	74.555	51.621		
Average of yearly averages:							34.1503333333333	

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

Data used for this run:

Output File: mscosp

Metfile: w13893.dvf

PRZM scenario: MScornC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	3.36	kg/ha		
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	.00	fraction of application rate applied to pond	
Application Date	Date	30-03	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Record 17:	FILTRA			
	IPSCND1			
	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)	

MS Corn Ground Application

PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02

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

Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	77.39	76.85	74.69	71.06	68.34	39.69
1962	90.64	90.16	88.88	84.22	80.01	54.1
1963	64.07	63.69	61.95	58.92	57.07	43.79
1964	77.98	77.44	76.12	72.23	68.68	46.95
1965	45.45	45.19	44.14	42.1	41.33	33.87
1966	54.19	53.79	52.26	48.87	46.17	32.82
1967	34.31	34.09	33.38	31.98	30.77	25.34
1968	43.19	42.91	42.48	40.26	38.33	26.3
1969	82.87	82.27	80.57	75.54	71.47	45.06
1970	72.77	72.32	70.59	67	64.7	46.72

1971	39.49	39.31	38.52	37.4	36.28	29.65
1972	39.18	38.91	37.8	36.11	35.13	25.52
1973	39.74	39.58	38.9	36.66	34.82	25.08
1974	37.87	37.64	36.6	34.54	33.17	23.72
1975	32.07	31.83	31.43	30.52	29.39	21.64
1976	26.45	26.22	25.33	23.85	23.11	17.57
1977	61.66	61.24	59.59	56.86	53.83	34.68
1978	58.79	58.41	56.65	52.44	49.24	34.52
1979	119	118	116	110	105	65.75
1980	88.94	88.44	86.56	81.88	77.78	55.54
1981	44.92	44.64	43.68	42.26	40.43	32.43
1982	45.49	45.33	44.4	42.43	40.61	28.32
1983	57.08	56.84	56.25	53.43	51.02	33.53
1984	67.98	67.67	66.42	62.17	60.69	41.67
1985	106	105	102	96.78	93.67	61.88
1986	84.25	83.74	81.7	76.97	73.1	52.8
1987	78.59	78.08	76.04	70.78	66.81	46.81
1988	50.65	50.37	49.53	48.04	45.98	34.63
1989	46.77	46.51	45.43	43.05	41.2	29.39
1990	41.12	40.9	40.54	39.19	37.73	26.76

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			119	118	116	110	105	65.75
0.0645161290322581			106	105	102	96.78	93.67	61.88
0.0967741935483871			90.64	90.16	88.88	84.22	80.01	55.54
0.129032258064516			88.94	88.44	86.56	81.88	77.78	54.1
0.161290322580645			84.25	83.74	81.7	76.97	73.1	52.8
0.193548387096774			82.87	82.27	80.57	75.54	71.47	46.95
0.225806451612903			78.59	78.08	76.12	72.23	68.68	46.81
0.258064516129032			77.98	77.44	76.04	71.06	68.34	46.72
0.290322580645161			77.39	76.85	74.69	70.78	66.81	45.06
0.32258064516129			72.77	72.32	70.59	67	64.7	43.79
0.354838709677419			67.98	67.67	66.42	62.17	60.69	41.67
0.387096774193548			64.07	63.69	61.95	58.92	57.07	39.69
0.419354838709677			61.66	61.24	59.59	56.86	53.83	34.68
0.451612903225806			58.79	58.41	56.65	53.43	51.02	34.63
0.483870967741936			57.08	56.84	56.25	52.44	49.24	34.52
0.516129032258065			54.19	53.79	52.26	48.87	46.17	33.87
0.548387096774194			50.65	50.37	49.53	48.04	45.98	33.53
0.580645161290323			46.77	46.51	45.43	43.05	41.33	32.82
0.612903225806452			45.49	45.33	44.4	42.43	41.2	32.43
0.645161290322581			45.45	45.19	44.14	42.26	40.61	29.65
0.67741935483871			44.92	44.64	43.68	42.1	40.43	29.39
0.709677419354839			43.19	42.91	42.48	40.26	38.33	28.32
0.741935483870968			41.12	40.9	40.54	39.19	37.73	26.76
0.774193548387097			39.74	39.58	38.9	37.4	36.28	26.3
0.806451612903226			39.49	39.31	38.52	36.66	35.13	25.52
0.838709677419355			39.18	38.91	37.8	36.11	34.82	25.34
0.870967741935484			37.87	37.64	36.6	34.54	33.17	25.08
0.903225806451613			34.31	34.09	33.38	31.98	30.77	23.72
0.935483870967742			32.07	31.83	31.43	30.52	29.39	21.64
0.967741935483871			26.45	26.22	25.33	23.85	23.11	17.57

0.1	90.47	89.988	88.648	83.986	79.787	55.396	
Average of yearly averages:							37.2176666666667

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

Data used for this run:

Output File: mscosp

Metfile: w13893.dvf

PRZM scenario: MScornC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	3.36	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	30-03	dd/mm or dd/mmm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

NC Apple Granular Application

PRZM environment: NCappleC.txt modified Satday, 12 October 2002 at 17:09:36

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

Metfile: w03812.dvf modified Wedday, 3 July 2002 at 09:05:50

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1965	2.89	2.873	2.796	2.638	2.525	1.605
1966	47.99	47.69	46.52	44.24	42.67	28.74
1967	74.47	74.06	72.67	69.37	67.04	48.88
1968	83.86	83.48	81.99	78.62	76.13	56.84
1969	51.27	51.16	50.72	49.97	48.86	40.06
1970	29.58	29.54	29.38	28.99	28.65	22.87
1971	32.89	32.75	32.18	30.96	30.02	22.38
1972	20.59	20.52	20.24	19.55	19	15.78

1973	12.39	12.35	12.21	11.91	11.76	9.809
1974	17.57	17.5	17.28	16.49	15.92	11.57
1975	38.82	38.68	37.9	36.13	34.79	24.32
1976	22.45	22.38	22.17	21.74	21.24	17.95
1977	35.57	35.38	34.66	33.07	31.88	22.99
1978	24.5	24.42	24.12	23.36	22.72	18.13
1979	100	99.62	97.42	94.54	91.3	61.53
1980	59.81	59.67	59.03	57.15	55.44	45.49
1981	37.69	37.57	36.92	35.52	34.51	28.97
1982	23.81	23.74	23.46	22.81	22.24	18.45
1983	65.56	65.27	64.04	61.42	59.7	40.94
1984	43.1	42.97	42.63	41.37	40.37	33.28
1985	28.25	28.14	27.91	26.98	26.12	22.3
1986	38.06	37.89	37.53	35.95	34.72	25.18
1987	254	252	246	233	225	149
1988	126	126	125	124	122	98.69
1989	71.4	71.28	70.75	69.63	68.98	55.75
1990	62.43	62.17	61.17	58.93	57.1	44.64

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.037037037037037			254	252	246	233	225	149
0.0740740740740741			126	126	125	124	122	98.69
0.1111111111111111			100	99.62	97.42	94.54	91.3	61.53
0.148148148148148			83.86	83.48	81.99	78.62	76.13	56.84
0.185185185185185			74.47	74.06	72.67	69.63	68.98	55.75
0.222222222222222			71.4	71.28	70.75	69.37	67.04	48.88
0.259259259259259			65.56	65.27	64.04	61.42	59.7	45.49
0.296296296296296			62.43	62.17	61.17	58.93	57.1	44.64
0.333333333333333			59.81	59.67	59.03	57.15	55.44	40.94
0.37037037037037			51.27	51.16	50.72	49.97	48.86	40.06
0.407407407407407			47.99	47.69	46.52	44.24	42.67	33.28
0.444444444444444			43.1	42.97	42.63	41.37	40.37	28.97
0.481481481481481			38.82	38.68	37.9	36.13	34.79	28.74
0.518518518518518			38.06	37.89	37.53	35.95	34.72	25.18
0.555555555555556			37.69	37.57	36.92	35.52	34.51	24.32
0.592592592592593			35.57	35.38	34.66	33.07	31.88	22.99
0.62962962962963			32.89	32.75	32.18	30.96	30.02	22.87
0.666666666666667			29.58	29.54	29.38	28.99	28.65	22.38
0.703703703703704			28.25	28.14	27.91	26.98	26.12	22.3
0.740740740740741			24.5	24.42	24.12	23.36	22.72	18.45
0.777777777777778			23.81	23.74	23.46	22.81	22.24	18.13
0.814814814814815			22.45	22.38	22.17	21.74	21.24	17.95
0.851851851851852			20.59	20.52	20.24	19.55	19	15.78
0.888888888888889			17.57	17.5	17.28	16.49	15.92	11.57
0.925925925925926			12.39	12.35	12.21	11.91	11.76	9.809
0.962962962962963			2.89	2.873	2.796	2.638	2.525	1.605
0.1	107.8	107.534	105.694	103.378	100.51	72.678		
Average of yearly averages:							37.1593846153846	

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

Data used for this run:

Output File: ncapsp

Metfile: w03812.dvf

PRZM scenario: NCappleC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	8.96	kg/ha		
Application Efficiency:	APPEFF	1	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	28-02	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

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OR Filbert/Nut Aerial Application

PRZM environment: ORfilbertsC.txt modified Satday, 12 October 2002 at 17:18:04

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

Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	14.71	14.64	14.44	13.8	13.07	3.313
1962	34.29	34.09	33.35	32.24	31.08	16.35
1963	54.32	54.04	53.88	52.63	47.5	30.58
1964	49.61	49.48	48.93	47.82	47.06	42.11
1965	45.96	45.84	45.18	43.97	42.2	38
1966	49.15	49.02	48.41	45.78	43.2	37.89
1967	45.71	45.58	45.08	44.04	43.33	39.24
1968	70.61	70.25	69.12	66.67	63.08	41.8
1969	61.64	61.51	61	59.86	58.93	53.1
1970	56.16	56.03	55.52	54.38	53.52	47.63
1971	57.7	57.45	56.66	55.5	52.75	43.7
1972	53.22	53.03	52.63	51.95	50.19	45.53
1973	51.45	51.34	50.86	49.82	49.04	43.79
1974	53.17	52.99	52.45	50.74	46.93	40.04
1975	51.15	50.98	50.75	49.75	48.17	43.54

1976	47.42	47.32	46.89	45.98	45.33	40.42
1977	44.87	44.73	44.21	43.84	41.42	34.96
1978	55.94	55.77	55.42	49.59	45.35	37.81
1979	61.87	61.61	60.76	59.13	56.2	47.63
1980	55.66	55.55	55.08	54.03	53.2	47.19
1981	68.37	68.03	66.8	65.75	64.13	45.99
1982	61.83	61.69	61.11	59.88	58.94	51.5
1983	50.96	50.77	50.55	49.27	46.94	42.63
1984	50.13	49.96	49.34	48.38	47.49	41.82
1985	48.22	48.09	47.59	46.52	45.2	40.76
1986	45.38	45.27	44.81	43.85	43.1	38.72
1987	46.72	46.6	46.08	42.04	40.04	35.57
1988	44.93	44.81	44.34	43.35	42.62	38.2
1989	47.62	47.44	46.9	46.19	43.66	36.34
1990	49.49	49.32	48.88	47.87	45.99	39.69

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			70.61	70.25	69.12	66.67	64.13	53.1
0.0645161290322581			68.37	68.03	66.8	65.75	63.08	51.5
0.0967741935483871			61.87	61.69	61.11	59.88	58.94	47.63
0.129032258064516			61.83	61.61	61	59.86	58.93	47.63
0.161290322580645			61.64	61.51	60.76	59.13	56.2	47.19
0.193548387096774			57.7	57.45	56.66	55.5	53.52	45.99
0.225806451612903			56.16	56.03	55.52	54.38	53.2	45.53
0.258064516129032			55.94	55.77	55.42	54.03	52.75	43.79
0.290322580645161			55.66	55.55	55.08	52.63	50.19	43.7
0.32258064516129			54.32	54.04	53.88	51.95	49.04	43.54
0.354838709677419			53.22	53.03	52.63	50.74	48.17	42.63
0.387096774193548			53.17	52.99	52.45	49.82	47.5	42.11
0.419354838709677			51.45	51.34	50.86	49.75	47.49	41.82
0.451612903225806			51.15	50.98	50.75	49.59	47.06	41.8
0.483870967741936			50.96	50.77	50.55	49.27	46.94	40.76
0.516129032258065			50.13	49.96	49.34	48.38	46.93	40.42
0.548387096774194			49.61	49.48	48.93	47.87	45.99	40.04
0.580645161290323			49.49	49.32	48.88	47.82	45.35	39.69
0.612903225806452			49.15	49.02	48.41	46.52	45.33	39.24
0.645161290322581			48.22	48.09	47.59	46.19	45.2	38.72
0.67741935483871			47.62	47.44	46.9	45.98	43.66	38.2
0.709677419354839			47.42	47.32	46.89	45.78	43.33	38
0.741935483870968			46.72	46.6	46.08	44.04	43.2	37.89
0.774193548387097			45.96	45.84	45.18	43.97	43.1	37.81
0.806451612903226			45.71	45.58	45.08	43.85	42.62	36.34
0.838709677419355			45.38	45.27	44.81	43.84	42.2	35.57
0.870967741935484			44.93	44.81	44.34	43.35	41.42	34.96
0.903225806451613			44.87	44.73	44.21	42.04	40.04	30.58
0.935483870967742			34.29	34.09	33.35	32.24	31.08	16.35
0.967741935483871			14.71	14.64	14.44	13.8	13.07	3.313
0.1	61.866	61.682	61.099	59.878	58.939	47.63		
Average of yearly averages:								39.5281

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

Data used for this run:

Output File: ornbsp

Metfile: w24232.dvf

PRZM scenario: ORfilbertsC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	4.48	kg/ha		
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	.05	fraction of application rate applied to pond	
Application Date	Date	30-09	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

===== **OR Apple Aerial Application No Drift**

PRZM environment: ORappleC.txt modified Satday, 12 October 2002 at 17:16:34

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

Metfile: w24229.dvf modified Wedday, 3 July 2002 at 09:06:10

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.19	17.08	16.66	15.84	15.31	10.22
1962	15.18	15.13	14.87	14.33	13.93	11.05
1963	18.64	18.55	18.26	17.56	17.03	13.01
1964	11.71	11.69	11.57	11.3	11.11	9.811
1965	13.87	13.81	13.53	12.97	12.54	9.618
1966	27.21	27.06	26.78	25.7	24.9	18.11
1967	29.11	29.03	28.61	27.62	26.87	20.5
1968	16.7	16.68	16.56	16.27	16.09	13.49
1969	10.27	10.26	10.21	10.07	9.941	8.187
1970	20.18	20.07	19.64	18.83	18.26	13.23
1971	24.78	24.69	24.29	23.55	22.92	17.47
1972	35.67	35.49	34.89	33.92	33.07	24.76

1973	21.07	21.01	20.85	20.53	20.29	17.25
1974	25.06	24.95	24.79	24.46	23.94	18.52
1975	17.9	17.85	17.64	17.15	16.75	14.13
1976	13.91	13.87	13.69	13.3	12.99	10.94
1977	11.08	11.05	10.95	10.64	10.4	8.642
1978	6.758	6.747	6.699	6.586	6.591	5.573
1979	20.21	20.09	19.6	18.68	18.08	12.73
1980	16.68	16.61	16.36	15.84	15.43	12.39
1981	19.91	19.82	19.44	18.69	18.17	13.96
1982	12.87	12.84	12.68	12.54	12.41	10.49
1983	31.11	30.95	30.31	29.71	28.89	20.68
1984	18.15	18.12	17.98	17.66	17.41	15.01
1985	14.29	14.25	14.04	13.56	13.24	11.06
1986	9.443	9.414	9.321	9.067	8.858	7.645
1987	45.53	45.35	44.51	42.77	41.32	28.28
1988	28.88	28.78	28.41	27.91	27.57	23.28
1989	50.91	50.66	49.88	48.06	46.71	34.7
1990	29.31	29.26	29.02	28.5	28.56	23.88

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			50.91	50.66	49.88	48.06	46.71	34.7
0.0645161290322581			45.53	45.35	44.51	42.77	41.32	28.28
0.0967741935483871			35.67	35.49	34.89	33.92	33.07	24.76
0.129032258064516			31.11	30.95	30.31	29.71	28.89	23.88
0.161290322580645			29.31	29.26	29.02	28.5	28.56	23.28
0.193548387096774			29.11	29.03	28.61	27.91	27.57	20.68
0.225806451612903			28.88	28.78	28.41	27.62	26.87	20.5
0.258064516129032			27.21	27.06	26.78	25.7	24.9	18.52
0.290322580645161			25.06	24.95	24.79	24.46	23.94	18.11
0.32258064516129			24.78	24.69	24.29	23.55	22.92	17.47
0.354838709677419			21.07	21.01	20.85	20.53	20.29	17.25
0.387096774193548			20.21	20.09	19.64	18.83	18.26	15.01
0.419354838709677			20.18	20.07	19.6	18.69	18.17	14.13
0.451612903225806			19.91	19.82	19.44	18.68	18.08	13.96
0.483870967741936			18.64	18.55	18.26	17.66	17.41	13.49
0.516129032258065			18.15	18.12	17.98	17.56	17.03	13.23
0.548387096774194			17.9	17.85	17.64	17.15	16.75	13.01
0.580645161290323			17.19	17.08	16.66	16.27	16.09	12.73
0.612903225806452			16.7	16.68	16.56	15.84	15.43	12.39
0.645161290322581			16.68	16.61	16.36	15.84	15.31	11.06
0.67741935483871			15.18	15.13	14.87	14.33	13.93	11.05
0.709677419354839			14.29	14.25	14.04	13.56	13.24	10.94
0.741935483870968			13.91	13.87	13.69	13.3	12.99	10.49
0.774193548387097			13.87	13.81	13.53	12.97	12.54	10.22
0.806451612903226			12.87	12.84	12.68	12.54	12.41	9.811
0.838709677419355			11.71	11.69	11.57	11.3	11.11	9.618
0.870967741935484			11.08	11.05	10.95	10.64	10.4	8.642
0.903225806451613			10.27	10.26	10.21	10.07	9.941	8.187
0.935483870967742			9.443	9.414	9.321	9.067	8.858	7.645
0.967741935483871			6.758	6.747	6.699	6.586	6.591	5.573
0.1	35.214	35.036	34.432	33.499	32.652	24.672		
Average of yearly averages:								15.2872

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

Data used for this run:

Output File: orapsn

Metfile: w24229.dvf

PRZM scenario: ORappleC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	8.96	kg/ha		
Application Efficiency:	APPEFF	.95	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	28-02	dd/mm or dd/mm/yy or dd-mm or dd-mm/yy	
Record 17:	FILTRA			
	IPSCND1			
	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)	

OR XmasTree Ground Application

PRZM environment: ORXmasTreeC.txt modified Satday, 12 October 2002 at 17:23:10

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

Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.324	3.296	3.204	3.031	2.915	1.797
1962	5.972	5.941	5.819	5.569	5.383	3.943
1963	7.367	7.334	7.205	6.947	6.758	5.195
1964	7.538	7.506	7.376	7.106	6.904	5.47
1965	8.371	8.335	8.188	7.879	7.731	6.074
1966	8.211	8.177	8.032	7.733	7.512	6.003
1967	7.925	7.894	7.77	7.504	7.289	5.73
1968	7.64	7.607	7.478	7.208	7.004	5.56
1969	7.731	7.698	7.563	7.27	7.044	5.603
1970	7.708	7.676	7.55	7.282	7.068	5.594

1971	20.89	20.77	20.3	19.34	18.68	12.68
1972	15.32	15.27	15.07	14.68	14.34	12.09
1973	12.43	12.38	12.2	11.81	11.49	9.671
1974	10.58	10.54	10.38	10.04	9.778	8.072
1975	9.378	9.344	9.205	8.904	8.668	7.088
1976	8.8	8.766	8.626	8.33	8.112	6.598
1977	8.487	8.452	8.304	8.007	7.787	6.262
1978	8.106	8.072	7.935	7.656	7.435	5.905
1979	7.899	7.864	7.724	7.428	7.206	5.715
1980	11.55	11.49	11.25	10.81	10.48	7.764
1981	11.19	11.14	10.94	10.53	10.26	8.247
1982	9.818	9.783	9.702	9.446	9.189	7.491
1983	22.52	22.38	21.86	20.8	20.07	13.98
1984	17.09	17.03	16.79	16.29	15.91	13.31
1985	13.59	13.54	13.34	12.91	12.91	11.21
1986	12	11.96	11.78	11.4	11.09	9.282
1987	10.21	10.17	9.997	9.631	9.346	7.685
1988	9.08	9.043	8.89	8.573	8.339	6.756
1989	8.467	8.43	8.271	7.947	7.71	6.198
1990	8.069	8.034	7.884	7.659	7.455	5.902

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	22.52	22.38	21.86	20.8	20.07	13.98
0.0645161290322581	20.89	20.77	20.3	19.34	18.68	13.31
0.0967741935483871	17.09	17.03	16.79	16.29	15.91	12.68
0.129032258064516	15.32	15.27	15.07	14.68	14.34	12.09
0.161290322580645	13.59	13.54	13.34	12.91	12.91	11.21
0.193548387096774	12.43	12.38	12.2	11.81	11.49	9.671
0.225806451612903	12	11.96	11.78	11.4	11.09	9.282
0.258064516129032	11.55	11.49	11.25	10.81	10.48	8.247
0.290322580645161	11.19	11.14	10.94	10.53	10.26	8.072
0.32258064516129	10.58	10.54	10.38	10.04	9.778	7.764
0.354838709677419	10.21	10.17	9.997	9.631	9.346	7.685
0.387096774193548	9.818	9.783	9.702	9.446	9.189	7.491
0.419354838709677	9.378	9.344	9.205	8.904	8.668	7.088
0.451612903225806	9.08	9.043	8.89	8.573	8.339	6.756
0.483870967741936	8.8	8.766	8.626	8.33	8.112	6.598
0.516129032258065	8.487	8.452	8.304	8.007	7.787	6.262
0.548387096774194	8.467	8.43	8.271	7.947	7.731	6.198
0.580645161290323	8.371	8.335	8.188	7.879	7.71	6.074
0.612903225806452	8.211	8.177	8.032	7.733	7.512	6.003
0.645161290322581	8.106	8.072	7.935	7.659	7.455	5.905
0.67741935483871	8.069	8.034	7.884	7.656	7.435	5.902
0.709677419354839	7.925	7.894	7.77	7.504	7.289	5.73
0.741935483870968	7.899	7.864	7.724	7.428	7.206	5.715
0.774193548387097	7.731	7.698	7.563	7.282	7.068	5.603
0.806451612903226	7.708	7.676	7.55	7.27	7.044	5.594
0.838709677419355	7.64	7.607	7.478	7.208	7.004	5.56
0.870967741935484	7.538	7.506	7.376	7.106	6.904	5.47
0.903225806451613	7.367	7.334	7.205	6.947	6.758	5.195
0.935483870967742	5.972	5.941	5.819	5.569	5.383	3.943
0.967741935483871	3.324	3.296	3.204	3.031	2.915	1.797

0.1	16.913	16.854	16.618	16.129	15.753	12.621	
Average of yearly averages:							7.42916666666667

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

Data used for this run:

Output File: orxmsp

Metfile: w24232.dvf

PRZM scenario: ORXmasTreeC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	6.65	kg/ha		
Application Efficiency:	APPEFF	.99	fraction	
Spray Drift	DRFT	.01	fraction of application rate applied to pond	
Application Date	Date	31-03	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

PA Apple Granular Application

PRZM environment: PAappleC.txt modified Satday, 12 October 2002 at 17:24:46

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

Metfile: w14737.dvf modified Wedday, 3 July 2002 at 09:06:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	25.38	25.23	24.98	24.17	23.41	15
1962	38.85	38.67	38.03	36.56	35.36	25.59
1963	38.8	38.65	38.12	36.88	35.88	27.42
1964	38.73	38.58	38	36.81	35.8	27.37
1965	32.69	32.59	32.2	31.35	30.55	23.98
1966	43.98	43.87	43.19	41.88	40.85	30.15
1967	65.8	65.53	64.93	62.67	60.96	44.64
1968	48.21	48.1	47.61	46.18	45.04	36.67

1969	31.8	31.73	31.39	30.55	29.67	24.99
1970	19.63	19.6	19.48	19.04	18.84	15.93
1971	25.76	25.67	25.47	24.85	24.29	18.2
1972	24.81	24.73	24.47	24.03	23.5	18.17
1973	14.64	14.6	14.47	14.17	14.05	11.86
1974	11.78	11.74	11.63	11.3	11.01	8.913
1975	37.86	37.67	36.89	35.91	34.72	23.16
1976	31	30.87	30.35	29.23	28.57	22.73
1977	66.79	66.47	65.31	62.52	60.62	42.99
1978	44.4	44.35	44.15	42.99	41.87	34.07
1979	27.53	27.47	27.24	26.71	26.22	21.87
1980	22.23	22.16	22.01	21.32	20.66	16.25
1981	12.29	12.27	12.21	12.05	11.92	9.731
1982	11.68	11.63	11.47	11.24	11	8.59
1983	9.681	9.651	9.562	9.314	9.06	7.148
1984	6.494	6.473	6.388	6.227	6.053	5.017
1985	7.176	7.129	6.944	6.565	6.29	4.7
1986	16.87	16.78	16.43	15.82	15.28	10.59
1987	60.34	60.1	58.97	56.75	54.99	37.4
1988	53.04	52.87	52.1	51.51	50.38	38.59
1989	35.37	35.28	34.88	33.85	32.92	27.42
1990	21.29	21.23	20.97	20.45	20.31	17.3

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			66.79	66.47	65.31	62.67	60.96	44.64
0.0645161290322581			65.8	65.53	64.93	62.52	60.62	42.99
0.0967741935483871			60.34	60.1	58.97	56.75	54.99	38.59
0.129032258064516			53.04	52.87	52.1	51.51	50.38	37.4
0.161290322580645			48.21	48.1	47.61	46.18	45.04	36.67
0.193548387096774			44.4	44.35	44.15	42.99	41.87	34.07
0.225806451612903			43.98	43.87	43.19	41.88	40.85	30.15
0.258064516129032			38.85	38.67	38.12	36.88	35.88	27.42
0.290322580645161			38.8	38.65	38.03	36.81	35.8	27.42
0.32258064516129			38.73	38.58	38	36.56	35.36	27.37
0.354838709677419			37.86	37.67	36.89	35.91	34.72	25.59
0.387096774193548			35.37	35.28	34.88	33.85	32.92	24.99
0.419354838709677			32.69	32.59	32.2	31.35	30.55	23.98
0.451612903225806			31.8	31.73	31.39	30.55	29.67	23.16
0.483870967741936			31	30.87	30.35	29.23	28.57	22.73
0.516129032258065			27.53	27.47	27.24	26.71	26.22	21.87
0.548387096774194			25.76	25.67	25.47	24.85	24.29	18.2
0.580645161290323			25.38	25.23	24.98	24.17	23.5	18.17
0.612903225806452			24.81	24.73	24.47	24.03	23.41	17.3
0.645161290322581			22.23	22.16	22.01	21.32	20.66	16.25
0.67741935483871			21.29	21.23	20.97	20.45	20.31	15.93
0.709677419354839			19.63	19.6	19.48	19.04	18.84	15
0.741935483870968			16.87	16.78	16.43	15.82	15.28	11.86
0.774193548387097			14.64	14.6	14.47	14.17	14.05	10.59
0.806451612903226			12.29	12.27	12.21	12.05	11.92	9.731
0.838709677419355			11.78	11.74	11.63	11.3	11.01	8.913
0.870967741935484			11.68	11.63	11.47	11.24	11	8.59
0.903225806451613			9.681	9.651	9.562	9.314	9.06	7.148
0.935483870967742			7.176	7.129	6.944	6.565	6.29	5.017

0.967741935483871	6.494	6.473	6.388	6.227	6.053	4.7
0.1	59.61	59.377	58.283	56.226	54.529	38.471
Average of yearly averages:						21.8813

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

Data used for this run:

Output File: paapsp

Metfile: w14737.dvf

PRZM scenario: PAappleC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife
Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	8.96	kg/ha		
Application Efficiency:	APPEFF	1	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	28-02	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND1			
	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)	

PA Turf Granular Application

PRZM environment: PAaturfC.txt modified Satday, 12 October 2002 at 17:27:02

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

Metfile: w14737.dvf modified Wedday, 3 July 2002 at 09:06:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	28.12	27.94	27.24	25.73	24.59	14.77
1962	20.18	20.11	19.95	19.24	18.65	15.2
1963	12.26	12.25	12.18	12.03	11.91	9.684
1964	13.11	13.05	12.91	12.33	11.89	9.021
1965	7.808	7.798	7.755	7.659	7.584	6.149
1966	4.51	4.504	4.48	4.426	4.381	3.635

1967	5.278	5.251	5.185	4.968	4.79	3.61
1968	106	106	103	97.91	93.96	53.74
1969	60	59.89	59.39	58.63	58.3	48.95
1970	107	107	105	99.73	95.98	66.94
1971	61.81	61.58	60.69	58.11	57.26	50.83
1972	39.38	39.2	38.8	38.32	37.94	33.71
1973	51.42	51.17	50.24	48.19	46.56	34.42
1974	67.97	67.61	66.19	63.34	61.36	45.03
1975	115	115	112	107	103	71.05
1976	131	130	128	122	118	86.6
1977	381	378	373	358	344	227
1978	318	317	312	301	292	227
1979	182	181	180	178	176	142
1980	234	233	228	220	213	153
1981	125	125	124	123	121	100
1982	74.94	74.84	74.44	73.53	72.8	60.88
1983	179	179	176	171	166	113
1984	142	141	139	134	130	103
1985	117	117	114	108	104	83.94
1986	187	186	182	173	166	116
1987	167	167	164	157	151	117
1988	99.47	99.26	98.23	96.33	95.8	82.67
1989	120	120	118	114	111	83.41
1990	69.45	69.34	68.9	67.91	67.1	58.04

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			381	378	373	358	344	227
0.0645161290322581			318	317	312	301	292	227
0.0967741935483871			234	233	228	220	213	153
0.129032258064516			187	186	182	178	176	142
0.161290322580645			182	181	180	173	166	117
0.193548387096774			179	179	176	171	166	116
0.225806451612903			167	167	164	157	151	113
0.258064516129032			142	141	139	134	130	103
0.290322580645161			131	130	128	123	121	100
0.32258064516129			125	125	124	122	118	86.6
0.354838709677419			120	120	118	114	111	83.94
0.387096774193548			117	117	114	108	104	83.41
0.419354838709677			115	115	112	107	103	82.67
0.451612903225806			107	107	105	99.73	95.98	71.05
0.483870967741936			106	106	103	97.91	95.8	66.94
0.516129032258065			99.47	99.26	98.23	96.33	93.96	60.88
0.548387096774194			74.94	74.84	74.44	73.53	72.8	58.04
0.580645161290323			69.45	69.34	68.9	67.91	67.1	53.74
0.612903225806452			67.97	67.61	66.19	63.34	61.36	50.83
0.645161290322581			61.81	61.58	60.69	58.63	58.3	48.95
0.67741935483871			60	59.89	59.39	58.11	57.26	45.03
0.709677419354839			51.42	51.17	50.24	48.19	46.56	34.42
0.741935483870968			39.38	39.2	38.8	38.32	37.94	33.71
0.774193548387097			28.12	27.94	27.24	25.73	24.59	15.2
0.806451612903226			20.18	20.11	19.95	19.24	18.65	14.77
0.838709677419355			13.11	13.05	12.91	12.33	11.91	9.684
0.870967741935484			12.26	12.25	12.18	12.03	11.89	9.021

0.903225806451613	7.808	7.798	7.755	7.659	7.584	6.149
0.935483870967742	5.278	5.251	5.185	4.968	4.79	3.635
0.967741935483871	4.51	4.504	4.48	4.426	4.381	3.61
0.1	229.3	228.3	223.4	215.8	209.3	151.9
Average of yearly averages:						74.0093

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

Data used for this run:

Output File: patusp

Metfile: w14737.dvf

PRZM scenario: PAturfC.txt

EXAMS environment file: pond298.exv

Chemical Name: simazine

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	201.7	g/mol	
Henry's Law Const.	henry	3.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.1E-9	torr	
Solubility	sol	3.5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	123	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	214	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	168	days	Halfife

Aerobic Soil Metabolism	asm	130	days	Halfife
Hydrolysis:	pH 7	0	days	Half-life
Method: CAM	1	integer	See PRZM manual	
Incorporation Depth:	DEPI	0	cm	
Application Rate: TAPP	44.8	kg/ha		
Application Efficiency:	APPEFF	1	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	20-03	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Record 17:	FILTRA			
	IPSCND1			
	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)	
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