

Appendix K: PRZM/EXAMS Output

stored as ResLawn-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.035	2.963	2.75	2.443	2.198	0.9022
1962	11.93	11.74	11.18	9.892	8.696	3.225
1963	4.913	4.799	4.455	3.923	3.623	1.552
1964	3.016	2.942	2.839	2.613	2.331	0.9843
1965	3.281	3.208	3.074	2.847	2.544	1.042
1966	2.67	2.606	2.498	2.273	2.067	0.8719
1967	2.685	2.624	2.532	2.297	2.094	0.8797
1968	2.766	2.698	2.53	2.241	1.974	0.8014
1969	5.507	5.367	5.115	4.854	4.424	1.735
1970	2.055	2.002	1.939	1.734	1.587	0.6817
1971	3.124	3.049	2.903	2.585	2.323	0.9586
1972	3.467	3.377	3.265	2.972	2.68	1.144
1973	4.132	4.039	3.803	3.386	2.965	1.197
1974	2.95	2.888	2.679	2.4	2.121	0.8723
1975	3.801	3.717	3.493	3.079	2.775	1.156
1976	2.675	2.606	2.53	2.268	2.055	0.8451
1977	3.188	3.106	2.985	2.74	2.443	1.026
1978	7.321	7.159	6.693	5.65	5.242	2.079
1979	5.128	5.009	4.633	4.201	3.889	1.552
1980	4.317	4.244	3.973	3.632	3.266	1.295
1981	3.398	3.322	3.072	2.639	2.375	0.9655
1982	6.658	6.511	6.005	5.492	4.853	1.949
1983	6.519	6.387	5.931	5.073	4.648	1.909
1984	2.579	2.512	2.31	2.146	1.929	0.8013
1985	2.976	2.904	2.629	2.417	2.281	0.9482
1986	7.669	7.497	7.223	6.558	5.774	2.177
1987	7.086	6.92	6.273	5.261	4.584	1.877
1988	3.089	3.012	2.946	2.728	2.489	1.075
1989	2.747	2.687	2.505	2.158	1.901	0.7676
1990	4.361	4.251	3.978	3.865	3.558	1.408

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.93	11.74	11.18	9.892	8.696	3.225
0.0645161290322581		7.669	7.497	7.223	6.558	5.774
0.0967741935483871		7.321	7.159	6.693	5.65	5.242
0.129032258064516	7.086	6.92	6.273	5.492	4.853	1.949
0.161290322580645	6.658	6.511	6.005	5.261	4.648	1.909
0.193548387096774	6.519	6.387	5.931	5.073	4.584	1.877
0.225806451612903	5.507	5.367	5.115	4.854	4.424	1.735
0.258064516129032	5.128	5.009	4.633	4.201	3.889	1.552
0.290322580645161	4.913	4.799	4.455	3.923	3.623	1.552
0.32258064516129	4.361	4.251	3.978	3.865	3.558	1.408
0.354838709677419	4.317	4.244	3.973	3.632	3.266	1.295

0.387096774193548	4.132	4.039	3.803	3.386	2.965	1.197
0.419354838709677	3.801	3.717	3.493	3.079	2.775	1.156
0.451612903225806	3.467	3.377	3.265	2.972	2.68	1.144
0.483870967741936	3.398	3.322	3.074	2.847	2.544	1.075
0.516129032258065	3.281	3.208	3.072	2.74	2.489	1.042
0.548387096774194	3.188	3.106	2.985	2.728	2.443	1.026
0.580645161290323	3.124	3.049	2.946	2.639	2.375	0.9843
0.612903225806452	3.089	3.012	2.903	2.613	2.331	0.9655
0.645161290322581	3.035	2.963	2.839	2.585	2.323	0.9586
0.67741935483871	3.016	2.942	2.75	2.443	2.281	0.9482
0.709677419354839	2.976	2.904	2.679	2.417	2.198	0.9022
0.741935483870968	2.95	2.888	2.629	2.4	2.121	0.8797
0.774193548387097	2.766	2.698	2.532	2.297	2.094	0.8723
0.806451612903226	2.747	2.687	2.53	2.273	2.067	0.8719
0.838709677419355	2.685	2.624	2.53	2.268	2.055	0.8451
0.870967741935484	2.675	2.606	2.505	2.241	1.974	0.8014
0.903225806451613	2.67	2.606	2.498	2.158	1.929	0.8013
0.935483870967742	2.579	2.512	2.31	2.146	1.901	0.7676
0.967741935483871	2.055	2.002	1.939	1.734	1.587	0.6817

0.1	7.2975	7.1351	6.651	5.6342	5.2031	2.066
Average of yearly averages:						1.28926

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: ResLawn-R

Metfile: w23232.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.68	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	1-2	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	28	days	Set to 0 or delete line for single app.
app. rate 1	apprate	1.68	kg/ha	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as ResLawn-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February
2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	77.65	76.19	70.81	64.98	60.21	23.32
1962	121	119	110	90.65	82.32	31.48
1963	39.32	38.75	35.61	34.47	31.57	12.77
1964	99.44	96.92	90.35	74.5	63.47	23.04
1965	34.4	33.64	32.04	28.01	25.61	11.04
1966	44.86	44.17	40.95	34.03	29.82	11.15
1967	47.55	46.68	42.85	35.46	30.57	11.69
1968	94.45	92.63	86.63	69.63	59.03	21.96
1969	99.96	98.26	92.46	86.74	77.15	28.74
1970	111	108	98.89	79.78	67.92	25.56
1971	86.98	84.85	78.78	64.23	55.22	22.28
1972	63.61	62.21	56.77	47.23	41.65	15.7
1973	103	101	94.67	76.48	67.64	26.71
1974	117	114	109	89.45	76.32	27.94
1975	81.66	80.42	74.44	69.47	63.72	24.65
1976	68.98	67.14	60.07	50.18	43.54	16.54
1977	36.68	35.74	32.27	28.57	25.41	10.37
1978	171	168	156	145	130	48.88
1979	141	138	126	118	106	40.13
1980	127	125	114	91.69	78.27	30.21
1981	106	104	96.76	83.66	71.94	26.31
1982	231	226	208	169	144	55.04
1983	145	143	132	110	94.69	38.25
1984	65.24	64.41	58.84	46.76	39.5	14.95
1985	99.82	97.51	89.47	83.39	74.07	27.7
1986	131	129	119	95.4	81.37	33.27
1987	211	207	188	151	137	54.55
1988	53.75	52.2	46.29	37.59	33.38	13.22
1989	136	133	123	101	86.29	34.29
1990	72.18	70.36	65.96	53.73	48.55	19.59

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	231	226	208	169	144	55.04
0.0645161290322581		211	207	188	151	137
0.0967741935483871		171	168	156	145	130
0.129032258064516	145	143	132	118	106	40.13
0.161290322580645	141	138	126	110	94.69	38.25
0.193548387096774	136	133	123	101	86.29	34.29

0.225806451612903	131	129	119	95.4	82.32	33.27
0.258064516129032	127	125	114	91.69	81.37	31.48
0.290322580645161	121	119	110	90.65	78.27	30.21
0.32258064516129	117	114	109	89.45	77.15	28.74
0.354838709677419	111	108	98.89	86.74	76.32	27.94
0.387096774193548	106	104	96.76	83.66	74.07	27.7
0.419354838709677	103	101	94.67	83.39	71.94	26.71
0.451612903225806	99.96	98.26	92.46	79.78	67.92	26.31
0.483870967741936	99.82	97.51	90.35	76.48	67.64	25.56
0.516129032258065	99.44	96.92	89.47	74.5	63.72	24.65
0.548387096774194	94.45	92.63	86.63	69.63	63.47	23.32
0.580645161290323	86.98	84.85	78.78	69.47	60.21	23.04
0.612903225806452	81.66	80.42	74.44	64.98	59.03	22.28
0.645161290322581	77.65	76.19	70.81	64.23	55.22	21.96
0.67741935483871	72.18	70.36	65.96	53.73	48.55	19.59
0.709677419354839	68.98	67.14	60.07	50.18	43.54	16.54
0.741935483870968	65.24	64.41	58.84	47.23	41.65	15.7
0.774193548387097	63.61	62.21	56.77	46.76	39.5	14.95
0.806451612903226	53.75	52.2	46.29	37.59	33.38	13.22
0.838709677419355	47.55	46.68	42.85	35.46	31.57	12.77
0.870967741935484	44.86	44.17	40.95	34.47	30.57	11.69
0.903225806451613	39.32	38.75	35.61	34.03	29.82	11.15
0.935483870967742	36.68	35.74	32.27	28.57	25.61	11.04
0.967741935483871	34.4	33.64	32.04	28.01	25.41	10.37

0.1 168.4 165.5 153.6 142.3 127.6 48.005

Average of yearly averages:

26.0443333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: ResLawn-I

Metfile: w23232.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	256.47		g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6		torr	
Solubility	sol	440		mg/L	
Kd	Kd			mg/L	
Koc	Koc	59.25		mg/L	
Photolysis half-life	kdp	0.375	days		Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	1.68	kg/ha		
Application Efficiency:	APPEFF	0.99			fraction
Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
Application Date	Date	1-2	dd/mm or dd/mm or dd-mm or dd-mmm		

Interval 1 interval 28 days Set to 0 or delete line for single app.

app. rate 1 apprate 1.68 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as Paved.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	437	428	392	318	273	104
1962	396	390	355	293	259	101
1963	561	548	505	414	360	141
1964	151	148	137	109	93.9	36.93
1965	1140	1130	1040	850	731	281
1966	858	837	764	638	556	213
1967	1500	1470	1330	1080	941	364
1968	842	823	773	645	562	214
1969	356	350	331	281	244	93.9
1970	307	302	282	232	199	74.64
1971	320	313	282	227	196	75.04
1972	141	138	128	105	90.41	36.18
1973	1300	1280	1170	975	850	321
1974	1370	1360	1250	1010	876	334
1975	334	326	298	246	215	83.87
1976	352	343	309	264	230	88.6
1977	1640	1610	1460	1170	1010	380
1978	618	605	560	468	414	163
1979	345	341	314	259	227	88.11
1980	342	335	308	256	221	85.22
1981	87.33	85.75	78.58	69.3	62.32	24.49
1982	826	806	727	585	506	195
1983	555	546	502	426	375	147
1984	249	244	221	180	155	58.31
1985	473	461	416	341	293	110
1986	700	685	630	519	450	171
1987	1300	1280	1170	951	820	313
1988	414	405	370	301	257	95.58
1989	515	503	456	369	320	123
1990	842	827	752	608	522	198

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	1640	1610	1460	1170	1010	380	
0.0645161290322581		1500	1470	1330	1080	941	364
0.0967741935483871		1370	1360	1250	1010	876	334
0.129032258064516	1300	1280	1170	975	850	321	
0.161290322580645	1300	1280	1170	951	820	313	
0.193548387096774	1140	1130	1040	850	731	281	
0.225806451612903	858	837	773	645	562	214	
0.258064516129032	842	827	764	638	556	213	
0.290322580645161	842	823	752	608	522	198	
0.32258064516129	826	806	727	585	506	195	
0.354838709677419	700	685	630	519	450	171	
0.387096774193548	618	605	560	468	414	163	
0.419354838709677	561	548	505	426	375	147	
0.451612903225806	555	546	502	414	360	141	
0.483870967741936	515	503	456	369	320	123	
0.516129032258065	473	461	416	341	293	110	
0.548387096774194	437	428	392	318	273	104	
0.580645161290323	414	405	370	301	259	101	
0.612903225806452	396	390	355	293	257	95.58	
0.645161290322581	356	350	331	281	244	93.9	
0.67741935483871	352	343	314	264	230	88.6	
0.709677419354839	345	341	309	259	227	88.11	
0.741935483870968	342	335	308	256	221	85.22	
0.774193548387097	334	326	298	246	215	83.87	
0.806451612903226	320	313	282	232	199	75.04	
0.838709677419355	307	302	282	227	196	74.64	
0.870967741935484	249	244	221	180	155	58.31	
0.903225806451613	151	148	137	109	93.9	36.93	
0.935483870967742	141	138	128	105	90.41	36.18	
0.967741935483871	87.33	85.75	78.58	69.3	62.32	24.49	

0.1 1363 1352 1242 1006.5 873.4 332.7
Average of yearly averages: 157.129

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Paved

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual

Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mm

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as PastureG.out

Chemical: Triclopyr

PRZM environment: CARangelandhayRLF_V2.txt modified Wedday, 26
 March 2008 at 09:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	118	116	110	101	96.21	51.76
1962	308	304	283	249	219	134
1963	529	517	479	415	418	215
1964	299	295	272	220	191	99.77
1965	133	131	123	109	97.82	65.77
1966	239	235	218	182	129	74.92
1967	439	430	404	346	323	159
1968	158	155	145	138	128	68.71
1969	167	164	156	142	137	77.57
1970	115	113	109	102	94.34	57.08
1971	86.97	85.18	78.2	68.9	67.71	41.66
1972	107	105	97.54	82.97	65.88	41.27
1973	224	219	204	173	162	96.77
1974	129	126	115	99.7	100	66.49
1975	172	168	154	147	134	71.03
1976	75.71	73.79	69.66	58.28	51.44	32.79
1977	177	174	160	111	85.04	63.36
1978	262	256	240	227	215	111
1979	189	184	168	163	153	94.64
1980	257	254	240	208	191	101
1981	300	295	277	244	233	140
1982	399	391	359	327	311	189
1983	315	310	290	273	266	161
1984	135	132	121	105	94.58	55.15
1985	155	152	143	93.6	77.55	55.21
1986	241	237	221	208	192	95.53
1987	222	217	197	165	151	86.32
1988	159	155	145	126	111	74.79
1989	279	271	241	218	207	96.42
1990	357	349	317	276	260	135

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	529	517	479	415	418	215
0.0645161290322581		439	430	404	346	323
0.0967741935483871		399	391	359	327	311
0.129032258064516	357	349	317	276	266	159
0.161290322580645	315	310	290	273	260	140
0.193548387096774	308	304	283	249	233	135
0.225806451612903	300	295	277	244	219	134
0.258064516129032	299	295	272	227	215	111
0.290322580645161	279	271	241	220	207	101
0.32258064516129	262	256	240	218	192	99.77
0.354838709677419	257	254	240	208	191	96.77
0.387096774193548	241	237	221	208	191	96.42
0.419354838709677	239	235	218	182	162	95.53
0.451612903225806	224	219	204	173	153	94.64
0.483870967741936	222	217	197	165	151	86.32
0.516129032258065	189	184	168	163	137	77.57
0.548387096774194	177	174	160	147	134	74.92
0.580645161290323	172	168	156	142	129	74.79
0.612903225806452	167	164	154	138	128	71.03
0.645161290322581	159	155	145	126	111	68.71
0.67741935483871	158	155	145	111	100	66.49
0.709677419354839	155	152	143	109	97.82	65.77
0.741935483870968	135	132	123	105	96.21	63.36
0.774193548387097	133	131	121	102	94.58	57.08
0.806451612903226	129	126	115	101	94.34	55.21
0.838709677419355	118	116	110	99.7	85.04	55.15
0.870967741935484	115	113	109	93.6	77.55	51.76
0.903225806451613	107	105	97.54	82.97	67.71	41.66
0.935483870967742	86.97	85.18	78.2	68.9	65.88	41.27
0.967741935483871	75.71	73.79	69.66	58.28	51.44	32.79

0.1 394.8 386.8 354.8 321.9 306.5 160.8

Average of yearly averages:

93.7336666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: PastureG

Metfile: w23232.dvf

PRZM scenario: CARangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description Variable Name Value Units Comments

Molecular weight mwt 256.47 g/mol

Henry's Law Const. henry 9.66E-10 atm-m³/mol

Vapor Pressure vapr 1.26E-6 torr

Solubility sol 440 mg/L

Kd Kd mg/L

Koc Koc 59.25 mg/L

Photolysis half-life kdp 0.375 days Half-life

Aerobic Aquatic Metabolism kbacw 426 days Halfife

Anaerobic Aquatic Metabolism kbacs 0 days Halfife

Aerobic Soil Metabolism asm 28.39 days Halfife

Hydrolysis: pH 5 0 days Half-life

Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 10.10 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-
 Interval 1 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 1 apprate 10.10 kg/ha
 Interval 2 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 2 apprate 10.10 kg/ha
 Interval 3 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 3 apprate 10.10 kg/ha
 Interval 4 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 4 apprate 10.10 kg/ha
 Interval 5 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 5 apprate 10.10 kg/ha
 Interval 6 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 6 apprate 10.10 kg/ha
 Interval 7 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 7 apprate 10.10 kg/ha
 Interval 8 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 8 apprate 10.10 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 9 apprate 10.10 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 10 apprate 10.10 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 11 apprate 10.10 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 12 apprate 10.10 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 13 apprate 10.10 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 14 apprate 10.10 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 15 apprate 10.10 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 16 apprate 10.10 kg/ha
 Record 17: FILTRA

IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

 stored as PastureA.out
 Chemical: Triclopyr
 PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26
 March 2008 at 09:38:02
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08
 Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	12.62	12.27	10.9	8.547	7.212	2.472
1962	12.85	12.48	11.07	8.648	7.275	2.688
1963	36.63	35.82	32.64	27.03	23.34	8.521
1964	13.43	13.05	11.59	9.078	7.691	2.995
1965	27.08	26.48	24.16	19.22	16.54	5.948
1966	13.14	12.77	11.34	8.854	7.458	2.778
1967	33.34	32.65	31.01	25.48	21.69	7.739
1968	13.27	12.9	11.45	8.949	7.542	2.855
1969	29.04	28.26	25.29	19.87	16.87	5.917
1970	13.09	12.74	11.38	8.964	7.576	2.79
1971	12.86	12.52	11.21	8.978	7.657	2.74
1972	12.85	12.5	11.18	8.813	7.428	2.642
1973	12.87	12.5	11.11	8.656	7.272	2.578
1974	13.93	13.56	12.14	9.515	7.999	2.918
1975	12.88	12.56	11.32	8.964	7.53	2.664
1976	21.88	21.31	19.1	15.19	12.99	4.614
1977	12.99	12.63	11.25	10.34	9.197	3.502
1978	16.7	16.31	15.43	13.01	11.1	3.972
1979	12.95	12.62	11.33	8.942	7.509	2.694
1980	13.23	12.9	12	9.655	8.202	2.922
1981	12.88	12.52	11.25	9.148	7.793	2.783
1982	51.88	50.53	45.64	35.73	30.06	10.79
1983	28.56	28.06	25.09	19.98	17.42	6.992
1984	13.29	12.93	11.55	9.048	7.598	2.871
1985	12.86	12.5	11.12	8.681	7.292	2.608
1986	15.31	14.91	13.45	11.09	9.422	3.344
1987	12.88	12.53	11.16	8.74	7.358	2.648
1988	24.65	24.07	22.07	17.87	15.69	5.838
1989	13.17	12.82	11.48	9.035	7.615	2.91
1990	12.89	12.55	11.21	9.26	8.491	3.231

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	51.88	50.53	45.64	35.73	30.06	10.79
0.0645161290322581	36.63	35.82	32.64	27.03	23.34	8.521
0.0967741935483871	33.34	32.65	31.01	25.48	21.69	7.739
0.129032258064516	29.04	28.26	25.29	19.98	17.42	6.992

0.161290322580645	28.56	28.06	25.09	19.87	16.87	5.948
0.193548387096774	27.08	26.48	24.16	19.22	16.54	5.917
0.225806451612903	24.65	24.07	22.07	17.87	15.69	5.838
0.258064516129032	21.88	21.31	19.1	15.19	12.99	4.614
0.290322580645161	16.7	16.31	15.43	13.01	11.1	3.972
0.32258064516129	15.31	14.91	13.45	11.09	9.422	3.502
0.354838709677419	13.93	13.56	12.14	10.34	9.197	3.344
0.387096774193548	13.43	13.05	12	9.655	8.491	3.231
0.419354838709677	13.29	12.93	11.59	9.515	8.202	2.995
0.451612903225806	13.27	12.9	11.55	9.26	7.999	2.922
0.483870967741936	13.23	12.9	11.48	9.148	7.793	2.918
0.516129032258065	13.17	12.82	11.45	9.078	7.691	2.91
0.548387096774194	13.14	12.77	11.38	9.048	7.657	2.871
0.580645161290323	13.09	12.74	11.34	9.035	7.615	2.855
0.612903225806452	12.99	12.63	11.33	8.978	7.598	2.79
0.645161290322581	12.95	12.62	11.32	8.964	7.576	2.783
0.67741935483871	12.89	12.56	11.25	8.964	7.542	2.778
0.709677419354839	12.88	12.55	11.25	8.949	7.53	2.74
0.741935483870968	12.88	12.53	11.21	8.942	7.509	2.694
0.774193548387097	12.88	12.52	11.21	8.854	7.458	2.688
0.806451612903226	12.87	12.52	11.18	8.813	7.428	2.664
0.838709677419355	12.86	12.5	11.16	8.74	7.358	2.648
0.870967741935484	12.86	12.5	11.12	8.681	7.292	2.642
0.903225806451613	12.85	12.5	11.11	8.656	7.275	2.608
0.935483870967742	12.85	12.48	11.07	8.648	7.272	2.578
0.967741935483871	12.62	12.27	10.9	8.547	7.212	2.472

0.1	32.91	32.211	30.438	24.93	21.263	7.6643
Average of yearly averages:						3.9988

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: PastureA

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	5.05	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	

Application Date Date 1-4 dd/mm or dd/mmm or dd-mm or dd-mmm

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as OrnSod-EC.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	66.12	64.59	58.64	49.75	48.58	21.05
1962	134	132	124	106	92.01	36.22
1963	130	127	120	109	104	44.73
1964	57.6	56.35	52.02	44.48	39.34	15.76
1965	31.6	30.92	28.1	26.47	25.24	12.13
1966	49.48	48.38	47.21	42.61	37.79	15.31
1967	172	168	157	136	124	50.74
1968	97.01	94.85	89.77	86.36	80.14	33.66
1969	84.51	83.22	79.12	69.79	64.34	27.1
1970	55.92	54.61	50.41	49.63	46.21	18.95
1971	56.1	54.73	49.92	40.41	34.77	14.65
1972	16.03	15.64	14.21	12.74	11.78	5.341
1973	83.07	81.2	77.47	73.71	68.94	29.76
1974	44.83	43.92	41.23	37.96	35.6	17.66
1975	78.69	77	70.43	60.45	58.32	25.79
1976	48.74	47.52	44.04	36.23	31.14	13.07
1977	62.02	60.42	54.3	45.7	46.46	22.72
1978	148	145	133	110	95.92	44.15
1979	167	164	157	136	119	50.48
1980	80.69	78.98	75.38	64.39	56.45	25.31
1981	86.95	85.02	78.53	70.88	64.74	26
1982	236	230	208	192	183	80.23
1983	96.27	94.84	90.23	87.68	83.69	36.16
1984	18.2	17.75	16.05	14.7	13.51	6.022
1985	42.07	40.93	37.91	36.97	34.03	14.16
1986	142	139	127	114	102	41.7
1987	75.61	73.77	66.72	57.38	49.95	22.53
1988	22.42	21.94	19.89	19.59	18.27	8.417
1989	24.82	24.3	22.92	19.44	17.33	7.857
1990	49.17	47.98	44.05	37.65	32.69	13.87

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	236	230	208	192	183	80.23	
0.0645161290322581		172	168	157	136	124	50.74

0.0967741935483871	167	164	157	136	119	50.48
0.129032258064516	148	145	133	114	104	44.73
0.161290322580645	142	139	127	110	102	44.15
0.193548387096774	134	132	124	109	95.92	41.7
0.225806451612903	130	127	120	106	92.01	36.22
0.258064516129032	97.01	94.85	90.23	87.68	83.69	36.16
0.290322580645161	96.27	94.84	89.77	86.36	80.14	33.66
0.32258064516129	86.95	85.02	79.12	73.71	68.94	29.76
0.354838709677419	84.51	83.22	78.53	70.88	64.74	27.1
0.387096774193548	83.07	81.2	77.47	69.79	64.34	26
0.419354838709677	80.69	78.98	75.38	64.39	58.32	25.79
0.451612903225806	78.69	77	70.43	60.45	56.45	25.31
0.483870967741936	75.61	73.77	66.72	57.38	49.95	22.72
0.516129032258065	66.12	64.59	58.64	49.75	48.58	22.53
0.548387096774194	62.02	60.42	54.3	49.63	46.46	21.05
0.580645161290323	57.6	56.35	52.02	45.7	46.21	18.95
0.612903225806452	56.1	54.73	50.41	44.48	39.34	17.66
0.645161290322581	55.92	54.61	49.92	42.61	37.79	15.76
0.67741935483871	49.48	48.38	47.21	40.41	35.6	15.31
0.709677419354839	49.17	47.98	44.05	37.96	34.77	14.65
0.741935483870968	48.74	47.52	44.04	37.65	34.03	14.16
0.774193548387097	44.83	43.92	41.23	36.97	32.69	13.87
0.806451612903226	42.07	40.93	37.91	36.23	31.14	13.07
0.838709677419355	31.6	30.92	28.1	26.47	25.24	12.13
0.870967741935484	24.82	24.3	22.92	19.59	18.27	8.417
0.903225806451613	22.42	21.94	19.89	19.44	17.33	7.857
0.935483870967742	18.2	17.75	16.05	14.7	13.51	6.022
0.967741935483871	16.03	15.64	14.21	12.74	11.78	5.341

0.1 165.1 162.1 154.6 133.8 117.5 49.905

Average of yearly averages: 26.0509

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnSod-EC

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	10.10	kg/ha	

Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-
 Interval 1 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 1 apprate 10.10 kg/ha
 Interval 2 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 2 apprate 10.10 kg/ha
 Interval 3 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 3 apprate 10.10 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as OrnSod.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.914	8.739	8.037	6.708	5.859	2.271
1962	11.65	11.47	10.64	8.966	7.749	3.089
1963	21.33	20.83	19.36	16.08	14.02	5.494
1964	9.295	9.09	8.384	6.609	5.629	2.16
1965	5.201	5.09	4.624	4	3.577	1.46
1966	8.136	7.976	7.553	6.237	5.389	2.14
1967	28.53	27.87	26.09	21.81	19.09	7.475
1968	16.02	15.66	14.47	12.21	10.6	4.228
1969	10.08	9.878	9.66	8.671	7.668	3.025
1970	9.023	8.837	8.226	7.15	6.257	2.404
1971	2.051	2.003	1.827	1.496	1.503	0.7161
1972	1.61	1.572	1.455	1.199	1.069	0.4364
1973	12.23	12.02	11.4	10.35	9.368	3.783
1974	5.948	5.814	5.375	4.876	4.522	1.866
1975	9.868	9.647	8.893	7.343	6.398	2.502
1976	3.481	3.394	3.083	2.5	2.144	0.9859
1977	9.614	9.377	8.46	7.248	6.393	2.539
1978	11.29	11.07	10.37	9.08	8.497	3.663
1979	14.06	13.76	12.94	10.94	10.32	4.378
1980	7.008	6.881	6.458	6.042	5.58	2.329
1981	14.27	13.95	12.73	10.43	9.02	3.443
1982	39.18	38.21	34.52	29.16	25.9	10.24
1983	15.65	15.29	14.26	12.19	10.79	4.304
1984	1.879	1.835	1.666	1.425	1.315	0.5261

1985	6.556	6.378	5.695	4.587	3.938	1.564
1986	7.029	6.903	6.373	5.475	4.885	2.099
1987	8.554	8.346	7.589	6.213	5.721	2.536
1988	3.594	3.515	3.184	2.653	2.352	0.923
1989	1.638	1.6	1.469	1.363	1.247	0.5437
1990	3.803	3.711	3.357	2.852	2.63	1.12

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	39.18	38.21	34.52	29.16	25.9 10.24
0.0645161290322581		28.53	27.87	26.09	21.81 19.09 7.475
0.0967741935483871		21.33	20.83	19.36	16.08 14.02 5.494
0.129032258064516	16.02	15.66	14.47	12.21	10.79 4.378
0.161290322580645	15.65	15.29	14.26	12.19	10.6 4.304
0.193548387096774	14.27	13.95	12.94	10.94	10.32 4.228
0.225806451612903	14.06	13.76	12.73	10.43	9.368 3.783
0.258064516129032	12.23	12.02	11.4	10.35	9.02 3.663
0.290322580645161	11.65	11.47	10.64	9.08	8.497 3.443
0.32258064516129	11.29	11.07	10.37	8.966	7.749 3.089
0.354838709677419	10.08	9.878	9.66	8.671	7.668 3.025
0.387096774193548	9.868	9.647	8.893	7.343	6.398 2.539
0.419354838709677	9.614	9.377	8.46	7.248	6.393 2.536
0.451612903225806	9.295	9.09	8.384	7.15	6.257 2.502
0.483870967741936	9.023	8.837	8.226	6.708	5.859 2.404
0.516129032258065	8.914	8.739	8.037	6.609	5.721 2.329
0.548387096774194	8.554	8.346	7.589	6.237	5.629 2.271
0.580645161290323	8.136	7.976	7.553	6.213	5.58 2.16
0.612903225806452	7.029	6.903	6.458	6.042	5.389 2.14
0.645161290322581	7.008	6.881	6.373	5.475	4.885 2.099
0.67741935483871	6.556	6.378	5.695	4.876	4.522 1.866
0.709677419354839	5.948	5.814	5.375	4.587	3.938 1.564
0.741935483870968	5.201	5.09	4.624	4	3.577 1.46
0.774193548387097	3.803	3.711	3.357	2.852	2.63 1.12
0.806451612903226	3.594	3.515	3.184	2.653	2.352 0.9859
0.838709677419355	3.481	3.394	3.083	2.5	2.144 0.923
0.870967741935484	2.051	2.003	1.827	1.496	1.503 0.7161
0.903225806451613	1.879	1.835	1.666	1.425	1.315 0.5437
0.935483870967742	1.638	1.6	1.469	1.363	1.247 0.5261
0.967741935483871	1.61	1.572	1.455	1.199	1.069 0.4364

0.1	20.799	20.313	18.871	15.693	13.697
	5.3824				

Average of yearly averages:

2.80810666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnSod

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility sol 440 mg/L
 Kd Kd mg/L
 Koc Koc 59.25 mg/L
 Photolysis half-life kdp 0.375 days Half-life
 Aerobic Aquatic Metabolism kbacw 426 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 28.39 days Halfife
 Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.68 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.68 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as OrnShade-G.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	108	105	93.78	75.98	66.37	33.54
1962	87.56	85.79	78.73	74.46	68.37	35.6
1963	163	159	142	106	100	51.55
1964	94.41	92.7	84.01	77.91	70.23	36.09
1965	308	300	271	183	127	51.46
1966	325	316	282	266	238	124
1967	271	264	240	202	183	99.49
1968	150	146	132	107	107	58.89
1969	146	143	131	121	110	59.85
1970	179	175	159	129	111	59.36
1971	292	284	254	209	170	77.81
1972	161	156	140	98.94	87.46	55.01
1973	122	119	110	92.48	82.83	49.83
1974	422	410	363	249	183	88.95
1975	281	275	246	200	201	105
1976	150	147	135	111	98.72	48.96
1977	384	375	340	269	230	126

1978	89.07	86.97	80.96	74.7	73.51	48.56
1979	196	191	173	152	141	81.51
1980	158	155	142	138	131	65.34
1981	231	224	202	113	80.98	50.04
1982	158	155	142	118	114	73.97
1983	76.27	74.66	68.78	65.98	64.93	41.32
1984	47.69	46.42	41.95	35.75	32.11	20.96
1985	666	651	599	437	296	85.43
1986	370	360	324	295	284	198
1987	287	280	252	208	181	113
1988	214	209	190	153	134	96.1
1989	131	127	77.65	64.73	58.41	33.78
1990	139	135	124	111	105	54.06

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	666	651	599	437	296	198
0.0645161290322581		422	410	363	295	284 126
0.0967741935483871		384	375	340	269	238 124
0.129032258064516	370	360	324	266	230	113
0.161290322580645	325	316	282	249	201	105
0.193548387096774	308	300	271	209	183	99.49
0.225806451612903	292	284	254	208	183	96.1
0.258064516129032	287	280	252	202	181	88.95
0.290322580645161	281	275	246	200	170	85.43
0.32258064516129	271	264	240	183	141	81.51
0.354838709677419	231	224	202	153	134	77.81
0.387096774193548	214	209	190	152	131	73.97
0.419354838709677	196	191	173	138	127	65.34
0.451612903225806	179	175	159	129	114	59.85
0.483870967741936	163	159	142	121	111	59.36
0.516129032258065	161	156	142	118	110	58.89
0.548387096774194	158	155	142	113	107	55.01
0.580645161290323	158	155	140	111	105	54.06
0.612903225806452	150	147	135	111	100	51.55
0.645161290322581	150	146	132	107	98.72	51.46
0.67741935483871	146	143	131	106	87.46	50.04
0.709677419354839	139	135	124	98.94	82.83	49.83
0.741935483870968	131	127	110	92.48	80.98	48.96
0.774193548387097	122	119	93.78	77.91	73.51	48.56
0.806451612903226	108	105	84.01	75.98	70.23	41.32
0.838709677419355	94.41	92.7	80.96	74.7	68.37	36.09
0.870967741935484	89.07	86.97	78.73	74.46	66.37	35.6
0.903225806451613	87.56	85.79	77.65	65.98	64.93	33.78
0.935483870967742	76.27	74.66	68.78	64.73	58.41	33.54
0.967741935483871	47.69	46.42	41.95	35.75	32.11	20.96

0.1 382.6 373.5 338.4 268.7 237.2 122.9

Average of yearly averages: 70.782

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnShade-G

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	256.47		g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6		torr	
Solubility	sol	440		mg/L	
Kd	Kd			mg/L	
Koc	Koc	59.25		mg/L	
Photolysis half-life	kdp	0.375	days		Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	6.74	kg/ha		
Application Efficiency:	APPEFF	0.99		fraction	
Spray Drift	DRFT	0.01	fraction of		application rate applied to pond
Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	21	days		Set to 0 or delete line for single app.
app. rate 1	apprate	6.74	kg/ha		
Interval 2	interval	21	days		Set to 0 or delete line for single app.
app. rate 2	apprate	6.74	kg/ha		
Interval 3	interval	21	days		Set to 0 or delete line for single app.
app. rate 3	apprate	6.74	kg/ha		
Interval 4	interval	21	days		Set to 0 or delete line for single app.
app. rate 4	apprate	6.74	kg/ha		
Interval 5	interval	21	days		Set to 0 or delete line for single app.
app. rate 5	apprate	6.74	kg/ha		
Interval 6	interval	21	days		Set to 0 or delete line for single app.
app. rate 6	apprate	6.74	kg/ha		
Interval 7	interval	21	days		Set to 0 or delete line for single app.
app. rate 7	apprate	6.74	kg/ha		
Interval 8	interval	21	days		Set to 0 or delete line for single app.
app. rate 8	apprate	6.74	kg/ha		
Interval 9	interval	21	days		Set to 0 or delete line for single app.
app. rate 9	apprate	6.74	kg/ha		
Interval 10	interval	21	days		Set to 0 or delete line for single app.
app. rate 10	apprate	6.74	kg/ha		
Interval 11	interval	21	days		Set to 0 or delete line for single app.
app. rate 11	apprate	6.74	kg/ha		
Interval 12	interval	21	days		Set to 0 or delete line for single app.
app. rate 12	apprate	6.74	kg/ha		

Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 6.74 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 6.74 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 6.74 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 6.74 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as OrnShade-A.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	126	123	112	99.65	94.18	72.62
1962	136	133	125	120	115	85
1963	209	203	186	150	147	100
1964	143	139	126	120	113	83.67
1965	350	341	309	225	172	101
1966	362	352	320	304	277	169
1967	313	305	277	241	223	146
1968	199	194	176	153	151	107
1969	195	191	176	167	156	110
1970	220	214	203	174	157	107
1971	328	318	294	251	213	126
1972	213	207	186	143	133	104
1973	171	166	153	138	130	101
1974	464	450	399	289	227	137
1975	322	313	282	239	241	152
1976	203	198	182	159	146	96.74
1977	416	407	378	309	272	171
1978	137	134	126	122	122	97.01
1979	240	234	217	195	186	129
1980	208	204	185	181	175	113
1981	267	260	243	155	126	97.46
1982	204	200	182	161	159	123
1983	125	121	114	112	111	90.03
1984	99.95	97.29	87.48	82.04	78.4	68.67

1985	684	675	625	468	333	132
1986	409	398	360	331	321	240
1987	326	319	287	246	222	159
1988	259	252	231	196	178	142
1989	166	161	121	110	104	82.04
1990	185	180	164	153	148	101

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	684	675	625	468	333	240
0.0645161290322581		464	450	399	331	321
0.0967741935483871		416	407	378	309	277
0.129032258064516	409	398	360	304	272	159
0.161290322580645	362	352	320	289	241	152
0.193548387096774	350	341	309	251	227	146
0.225806451612903	328	319	294	246	223	142
0.258064516129032	326	318	287	241	222	137
0.290322580645161	322	313	282	239	213	132
0.32258064516129	313	305	277	225	186	129
0.354838709677419	267	260	243	196	178	126
0.387096774193548	259	252	231	195	175	123
0.419354838709677	240	234	217	181	172	113
0.451612903225806	220	214	203	174	159	110
0.483870967741936	213	207	186	167	157	107
0.516129032258065	209	204	186	161	156	107
0.548387096774194	208	203	185	159	151	104
0.580645161290323	204	200	182	155	148	101
0.612903225806452	203	198	182	153	147	101
0.645161290322581	199	194	176	153	146	101
0.67741935483871	195	191	176	150	133	100
0.709677419354839	185	180	164	143	130	97.46
0.741935483870968	171	166	153	138	126	97.01
0.774193548387097	166	161	126	122	122	96.74
0.806451612903226	143	139	126	120	115	90.03
0.838709677419355	137	134	125	120	113	85
0.870967741935484	136	133	121	112	111	83.67
0.903225806451613	126	123	114	110	104	82.04
0.935483870967742	125	121	112	99.65	94.18	72.62
0.967741935483871	99.95	97.29	87.48	82.04	78.4	68.67

0.1 415.3 406.1 376.2 308.5 276.5 168

Average of yearly averages: 118.108

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnShade-A

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol		
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol		
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Vapor Pressure	vapr	1.26E-6	torr		
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Solubility	sol	440	mg/L		
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Kd	Kd	mg/L			
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Koc Koc 59.25 mg/L
 Photolysis half-life kdp 0.375 days Half-life
 Aerobic Aquatic Metabolism kbacw 426 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 28.39 days Halfife
 Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 6.74 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 6.74 kg/ha
 Interval 2 interval 21 days Set to 0 or delete line for single app.
 app. rate 2 apprate 6.74 kg/ha
 Interval 3 interval 21 days Set to 0 or delete line for single app.
 app. rate 3 apprate 6.74 kg/ha
 Interval 4 interval 21 days Set to 0 or delete line for single app.
 app. rate 4 apprate 6.74 kg/ha
 Interval 5 interval 21 days Set to 0 or delete line for single app.
 app. rate 5 apprate 6.74 kg/ha
 Interval 6 interval 21 days Set to 0 or delete line for single app.
 app. rate 6 apprate 6.74 kg/ha
 Interval 7 interval 21 days Set to 0 or delete line for single app.
 app. rate 7 apprate 6.74 kg/ha
 Interval 8 interval 21 days Set to 0 or delete line for single app.
 app. rate 8 apprate 6.74 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single app.
 app. rate 9 apprate 6.74 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single app.
 app. rate 10 apprate 6.74 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single app.
 app. rate 11 apprate 6.74 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single app.
 app. rate 12 apprate 6.74 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 6.74 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 6.74 kg/ha

Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 6.74 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 6.74 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as OrnLawn.out
 Chemical: Triclopyr
 PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007
 at 12:03:48
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08
 Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.621	1.59	1.462	1.219	1.064	0.4268
1962	1.947	1.913	1.789	1.501	1.327	0.5595
1963	3.5	3.419	3.175	2.636	2.298	0.9166
1964	4.187	4.122	3.742	2.921	2.481	0.9409
1965	2.091	2.045	1.895	1.591	1.382	0.5398
1966	1.562	1.542	1.459	1.203	1.06	0.4452
1967	10.88	10.63	10.06	8.21	7.131	2.773
1968	3.103	3.035	2.811	2.379	2.182	0.8858
1969	3.523	3.457	3.308	2.799	2.419	0.9395
1970	3.738	3.675	3.504	2.913	2.499	0.9423
1971	0.544	0.531	0.4962	0.422	0.3992	0.177
1972	0.442	0.4312	0.3895	0.3251	0.2831	0.1081
1973	5.276	5.159	4.757	4.054	3.597	1.391
1974	2.948	2.881	2.643	2.172	1.908	0.7412
1975	1.608	1.572	1.448	1.196	1.042	0.4268
1976	0.6237		0.6083	0.5539	0.4493	0.4023
	0.1959					
1977	4.825	4.706	4.245	3.417	2.942	1.122
1978	4.177	4.107	3.836	3.343	2.99	1.19
1979	5.095	5.015	4.608	3.923	3.494	1.387
1980	3.101	3.033	2.768	2.336	2.04	0.8014
1981	2.869	2.805	2.566	2.106	1.845	0.7176
1982	19.72	19.23	17.33	13.97	12.09	4.64
1983	3.37	3.295	3.061	2.612	2.305	0.9453
1984	0.5284		0.5158	0.4669	0.3842	0.3351
	0.1267					
1985	1.125	1.094	0.9777	0.7873	0.676	0.286
1986	1.624	1.589	1.454	1.38	1.261	0.5067
1987	2.689	2.624	2.375	2.063	1.861	0.746
1988	1.429	1.398	1.273	1.064	0.9258	0.3542

1989	0.4543	0.4439	0.4016	0.3429	0.3115
	0.1275				
1990	1.149	1.121	1.015	0.8971	0.7999
				0.3246	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	19.72	19.23	17.33	13.97	12.09	4.64
0.0645161290322581		10.88	10.63	10.06	8.21	7.131
0.0967741935483871		5.276	5.159	4.757	4.054	3.597
0.129032258064516	5.095	5.015	4.608	3.923	3.494	1.387
0.161290322580645	4.825	4.706	4.245	3.417	2.99	1.19
0.193548387096774	4.187	4.122	3.836	3.343	2.942	1.122
0.225806451612903	4.177	4.107	3.742	2.921	2.499	0.9453
0.258064516129032	3.738	3.675	3.504	2.913	2.481	0.9423
0.290322580645161	3.523	3.457	3.308	2.799	2.419	0.9409
0.32258064516129	3.5	3.419	3.175	2.636	2.305	0.9395
0.354838709677419	3.37	3.295	3.061	2.612	2.298	0.9166
0.387096774193548	3.103	3.035	2.811	2.379	2.182	0.8858
0.419354838709677	3.101	3.033	2.768	2.336	2.04	0.8014
0.451612903225806	2.948	2.881	2.643	2.172	1.908	0.746
0.483870967741936	2.869	2.805	2.566	2.106	1.861	0.7412
0.516129032258065	2.689	2.624	2.375	2.063	1.845	0.7176
0.548387096774194	2.091	2.045	1.895	1.591	1.382	0.5595
0.580645161290323	1.947	1.913	1.789	1.501	1.327	0.5398
0.612903225806452	1.624	1.59	1.462	1.38	1.261	0.5067
0.645161290322581	1.621	1.589	1.459	1.219	1.064	0.4452
0.67741935483871	1.608	1.572	1.454	1.203	1.06	0.4268
0.709677419354839	1.562	1.542	1.448	1.196	1.042	0.4268
0.741935483870968	1.429	1.398	1.273	1.064	0.9258	0.3542
0.774193548387097	1.149	1.121	1.015	0.8971	0.7999	0.3246
0.806451612903226	1.125	1.094	0.9777	0.7873	0.676	0.286
0.838709677419355	0.6237		0.6083	0.5539	0.4493	
	0.4023	0.1959				
0.870967741935484	0.544	0.531	0.4962	0.422	0.3992	0.177
0.903225806451613	0.5284		0.5158	0.4669	0.3842	
	0.3351	0.1275				
0.935483870967742	0.4543		0.4439	0.4016	0.3429	
	0.3115	0.1267				
0.967741935483871	0.442	0.4312		0.3895	0.3251	0.2831
	0.1081					
0.1	5.2579	5.1446	4.7421	4.0409	3.5867	
	1.3906					

Average of yearly averages:

0.856146666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnLawn

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol		
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol		
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Vapor Pressure vapr 1.26E-6 torr
 Solubility sol 440 mg/L
 Kd Kd mg/L
 Koc Koc 59.25 mg/L
 Photolysis half-life kdp 0.375 days Half-life
 Aerobic Aquatic Metabolism kbacw 426 days Halfife
 Anaerobic Aquatic Metabolism kbacs 0 days Halfife
 Aerobic Soil Metabolism asm 28.39 days Halfife
 Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 0.85 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm/ or dd-mm or dd-mm/

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as OrnHerb.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	9.619	9.349	8.347	6.763	5.908	2.985
1962	7.794	7.637	7.008	6.628	6.086	3.169
1963	14.5	14.11	12.65	9.46	8.938	4.589
1964	8.403	8.25	7.477	6.935	6.25	3.213
1965	27.41	26.71	24.16	16.27	11.32	4.58
1966	28.91	28.09	25.1	23.65	21.2	11
1967	24.11	23.47	21.36	18	16.31	8.856
1968	13.37	13.02	11.72	9.551	9.554	5.243
1969	13.01	12.73	11.66	10.81	9.789	5.329
1970	15.96	15.57	14.16	11.45	9.903	5.285
1971	26.01	25.25	22.62	18.61	15.15	6.928
1972	14.3	13.92	12.5	8.808	7.787	4.897
1973	10.88	10.6	9.771	8.231	7.372	4.435
1974	37.56	36.46	32.29	22.15	16.27	7.919
1975	25.01	24.53	21.88	17.83	17.93	9.389
1976	13.34	13.12	12.02	9.862	8.787	4.358
1977	34.16	33.41	30.31	23.98	20.52	11.24
1978	7.929	7.742	7.208	6.65	6.544	4.323
1979	17.46	17.04	15.42	13.55	12.59	7.257

1980	14.03	13.77	12.6	12.25	11.66	5.816
1981	20.53	19.96	18	10.03	7.208	4.455
1982	14.1	13.78	12.62	10.52	10.18	6.585
1983	6.79	6.646	6.123	5.874	5.781	3.679
1984	4.246	4.132	3.735	3.182	2.858	1.866
1985	59.32	57.92	53.28	38.9	26.32	7.605
1986	32.93	32.03	28.8	26.23	25.24	17.63
1987	25.54	24.96	22.42	18.48	16.14	10.04
1988	19.09	18.62	16.9	13.65	11.92	8.555
1989	11.64	11.31	6.911	5.761	5.198	3.007
1990	12.35	12.01	11.03	9.875	9.35	4.812

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	59.32	57.92	53.28	38.9	26.32 17.63
0.0645161290322581		37.56	36.46	32.29	26.23 25.24 11.24
0.0967741935483871		34.16	33.41	30.31	23.98 21.2 11
0.129032258064516	32.93	32.03	28.8	23.65	20.52 10.04
0.161290322580645	28.91	28.09	25.1	22.15	17.93 9.389
0.193548387096774	27.41	26.71	24.16	18.61	16.31 8.856
0.225806451612903	26.01	25.25	22.62	18.48	16.27 8.555
0.258064516129032	25.54	24.96	22.42	18	16.14 7.919
0.290322580645161	25.01	24.53	21.88	17.83	15.15 7.605
0.32258064516129	24.11	23.47	21.36	16.27	12.59 7.257
0.354838709677419	20.53	19.96	18	13.65	11.92 6.928
0.387096774193548	19.09	18.62	16.9	13.55	11.66 6.585
0.419354838709677	17.46	17.04	15.42	12.25	11.32 5.816
0.451612903225806	15.96	15.57	14.16	11.45	10.18 5.329
0.483870967741936	14.5	14.11	12.65	10.81	9.903 5.285
0.516129032258065	14.3	13.92	12.62	10.52	9.789 5.243
0.548387096774194	14.1	13.78	12.6	10.03	9.554 4.897
0.580645161290323	14.03	13.77	12.5	9.875	9.35 4.812
0.612903225806452	13.37	13.12	12.02	9.862	8.938 4.589
0.645161290322581	13.34	13.02	11.72	9.551	8.787 4.58
0.67741935483871	13.01	12.73	11.66	9.46	7.787 4.455
0.709677419354839	12.35	12.01	11.03	8.808	7.372 4.435
0.741935483870968	11.64	11.31	9.771	8.231	7.208 4.358
0.774193548387097	10.88	10.6	8.347	6.935	6.544 4.323
0.806451612903226	9.619	9.349	7.477	6.763	6.25 3.679
0.838709677419355	8.403	8.25	7.208	6.65	6.086 3.213
0.870967741935484	7.929	7.742	7.008	6.628	5.908 3.169
0.903225806451613	7.794	7.637	6.911	5.874	5.781 3.007
0.935483870967742	6.79	6.646	6.123	5.761	5.198 2.985
0.967741935483871	4.246	4.132	3.735	3.182	2.858 1.866

0.1	34.037	33.272	30.159	23.947	21.132
	10.904				

Average of yearly averages: 6.3015

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnHerb

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0		days	Half-life
Hydrolysis: pH 7	0		days	Half-life
Hydrolysis: pH 9	0		days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	0.60	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	2-1	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	0.60	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	0.60	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	0.60	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	0.60	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	0.60	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	0.60	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	0.60	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	0.60	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	0.60	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	0.60	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	0.60	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	0.60	kg/ha	

Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 0.60 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 0.60 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 0.60 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 0.60 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as Orchards.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 06:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	47.02	46.19	44.08	34.71	28.78	20.37
1962	44.69	43.85	41.24	38.33	37.68	25.23
1963	58.94	57.59	54.56	48.31	44.62	31.52
1964	56.87	55.22	50.89	45.52	36.95	26.67
1965	152	148	134	112	97.98	49.99
1966	115	113	104	53.85	41.64	28.05
1967	91.63	89.65	83.9	75.41	71.36	45.3
1968	59.77	58.56	52.6	46.43	41.07	26.26
1969	359	353	326	281	254	112
1970	55.52	54.1	51.67	49.24	47.96	31.52
1971	84.48	82.19	75.02	65.44	58.54	36.56
1972	39.23	38.48	35.65	31.19	27.11	23.86
1973	35.69	34.99	32.56	32.07	31.88	24.01
1974	54.25	52.77	48.21	44.12	39.32	29.92
1975	39.53	38.68	36.69	34.41	32.83	23.81
1976	57.28	55.61	50.74	44.82	41.56	25.64
1977	55.46	54.35	42.42	31.68	30.15	23.62
1978	69.78	68.23	65.2	59.82	57.76	44.3
1979	43.61	42.68	40.16	38.73	38.18	25.88
1980	85.66	83.81	76.98	65.93	59.37	33.17
1981	36.64	35.66	33.27	31.48	31.2	23.41
1982	116	114	104	88.81	84.41	61.85
1983	159	156	144	126	116	67.58
1984	33.36	32.72	30.35	29.39	28.07	22.03

1985	30.04	29.52	27.42	27.07	26.19	21.49
1986	104	102	64.25	43.04	39.59	29.01
1987	103	101	93.7	81.76	74.22	42.83
1988	102	99.33	89.3	74.72	65.72	36.08
1989	76.44	74.62	69.36	62.73	58.8	40.76
1990	114	112	101	80.4	69.37	44.63

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	359	353	326	281	254	112
0.0645161290322581		159	156	144	126	116
0.0967741935483871		152	148	134	112	97.98
0.129032258064516	116	114	104	88.81	84.41	49.99
0.161290322580645	115	113	104	81.76	74.22	45.3
0.193548387096774	114	112	101	80.4	71.36	44.63
0.225806451612903	104	102	93.7	75.41	69.37	44.3
0.258064516129032	103	101	89.3	74.72	65.72	42.83
0.290322580645161	102	99.33	83.9	65.93	59.37	40.76
0.32258064516129	91.63	89.65	76.98	65.44	58.8	36.56
0.354838709677419	85.66	83.81	75.02	62.73	58.54	36.08
0.387096774193548	84.48	82.19	69.36	59.82	57.76	33.17
0.419354838709677	76.44	74.62	65.2	53.85	47.96	31.52
0.451612903225806	69.78	68.23	64.25	49.24	44.62	31.52
0.483870967741936	59.77	58.56	54.56	48.31	41.64	29.92
0.516129032258065	58.94	57.59	52.6	46.43	41.56	29.01
0.548387096774194	57.28	55.61	51.67	45.52	41.07	28.05
0.580645161290323	56.87	55.22	50.89	44.82	39.59	26.67
0.612903225806452	55.52	54.35	50.74	44.12	39.32	26.26
0.645161290322581	55.46	54.1	48.21	43.04	38.18	25.88
0.67741935483871	54.25	52.77	44.08	38.73	37.68	25.64
0.709677419354839	47.02	46.19	42.42	38.33	36.95	25.23
0.741935483870968	44.69	43.85	41.24	34.71	32.83	24.01
0.774193548387097	43.61	42.68	40.16	34.41	31.88	23.86
0.806451612903226	39.53	38.68	36.69	32.07	31.2	23.81
0.838709677419355	39.23	38.48	35.65	31.68	30.15	23.62
0.870967741935484	36.64	35.66	33.27	31.48	28.78	23.41
0.903225806451613	35.69	34.99	32.56	31.19	28.07	22.03
0.935483870967742	33.36	32.72	30.35	29.39	27.11	21.49
0.967741935483871	30.04	29.52	27.42	27.07	26.19	20.37

0.1	148.4	144.6	131	109.681	96.623	60.664
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Average of yearly averages:

35.9116666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Orchards

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	256.47		g/mol	
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Henry's Law Const.	henry	9.66E-10		atm-m^3/mol	
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Vapor Pressure	vapr	1.26E-6		torr	
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Solubility	sol	440		mg/L	
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Kd	Kd	mg/L			
Koc	Koc	59.25 mg/L			
Photolysis half-life	kdp	0.375 days	Half-life		
Aerobic Aquatic Metabolism	kbacw	426 days	Halfife		
Anaerobic Aquatic Metabolism	kbacs	0 days	Halfife		
Aerobic Soil Metabolism	asm	28.39 days	Halfife		
Hydrolysis: pH 5	0	days	Half-life		
Hydrolysis: pH 7	0	days	Half-life		
Hydrolysis: pH 9	0	days	Half-life		
Method:	CAM	2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm		
Application Rate:	TAPP	10.10 kg/ha			
Application Efficiency:	APPEFF	0.99	fraction		
Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
Application Date	Date	4-1	dd/mm or dd/mm or dd-mm or dd-mmm		
Interval 1	interval	21	days	Set to 0 or delete line for single app.	
app. rate 1	apprate	10.10	kg/ha		
Interval 2	interval	21	days	Set to 0 or delete line for single app.	
app. rate 2	apprate	10.10	kg/ha		
Interval 3	interval	21	days	Set to 0 or delete line for single app.	
app. rate 3	apprate	10.10	kg/ha		
Interval 4	interval	21	days	Set to 0 or delete line for single app.	
app. rate 4	apprate	10.10	kg/ha		
Interval 5	interval	21	days	Set to 0 or delete line for single app.	
app. rate 5	apprate	10.10	kg/ha		
Interval 6	interval	21	days	Set to 0 or delete line for single app.	
app. rate 6	apprate	10.10	kg/ha		
Interval 7	interval	21	days	Set to 0 or delete line for single app.	
app. rate 7	apprate	10.10	kg/ha		
Interval 8	interval	21	days	Set to 0 or delete line for single app.	
app. rate 8	apprate	10.10	kg/ha		
Interval 9	interval	21	days	Set to 0 or delete line for single app.	
app. rate 9	apprate	10.10	kg/ha		
Interval 10	interval	21	days	Set to 0 or delete line for single app.	
app. rate 10	apprate	10.10	kg/ha		
Interval 11	interval	21	days	Set to 0 or delete line for single app.	
app. rate 11	apprate	10.10	kg/ha		
Interval 12	interval	21	days	Set to 0 or delete line for single app.	
app. rate 12	apprate	10.10	kg/ha		
Interval 13	interval	21	days	Set to 0 or delete line for single app.	
app. rate 13	apprate	10.10	kg/ha		
Interval 14	interval	21	days	Set to 0 or delete line for single app.	
app. rate 14	apprate	10.10	kg/ha		

Interval 15 interval 21 days Set to 0 or delete line for single
app.
app. rate 15 apprate 10.10 kg/ha
Interval 16 interval 21 days Set to 0 or delete line for single
app.
app. rate 16 apprate 10.10 kg/ha
Record 17: FILTRA
IPSCND 1
UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as Non-AgROWG-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	215	211	199	180	177	148
1962	568	555	512	430	399	296
1963	590	577	538	491	491	320
1964	328	322	299	258	238	195
1965	306	301	204	184	182	175
1966	306	301	283	271	253	209
1967	563	550	521	452	429	278
1968	356	348	327	303	289	221
1969	307	303	286	271	254	207
1970	276	271	260	221	213	198
1971	253	247	235	220	217	191
1972	414	407	375	330	307	189
1973	379	372	354	349	336	259
1974	407	398	365	316	299	228
1975	295	289	280	257	248	205
1976	328	225	218	203	200	172
1977	500	488	441	371	343	254
1978	545	534	497	438	405	280
1979	540	528	501	448	416	286
1980	401	394	372	350	340	247
1981	472	461	421	354	296	240
1982	1050	1030	928	818	764	473
1983	533	522	487	446	432	291
1984	277	271	248	218	204	189
1985	280	274	255	210	203	193
1986	476	465	428	401	374	251
1987	287	280	258	233	225	200
1988	234	229	215	208	205	180
1989	217	211	199	190	185	169
1990	261	255	233	217	212	186

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	1050	1030	928	818	764	473
0.0645161290322581		590	577	538	491	491
0.0967741935483871		568	555	521	452	432
0.129032258064516	563	550	512	448	429	291
0.161290322580645	545	534	501	446	416	286
0.193548387096774	540	528	497	438	405	280
0.225806451612903	533	522	487	430	399	278
0.258064516129032	500	488	441	401	374	259
0.290322580645161	476	465	428	371	343	254
0.32258064516129	472	461	421	354	340	251
0.354838709677419	414	407	375	350	336	247
0.387096774193548	407	398	372	349	307	240
0.419354838709677	401	394	365	330	299	228
0.451612903225806	379	372	354	316	296	221
0.483870967741936	356	348	327	303	289	209
0.516129032258065	328	322	299	271	254	207
0.548387096774194	328	303	286	271	253	205
0.580645161290323	307	301	283	258	248	200
0.612903225806452	306	301	280	257	238	198
0.645161290322581	306	289	260	233	225	195
0.67741935483871	295	280	258	221	217	193
0.709677419354839	287	274	255	220	213	191
0.741935483870968	280	271	248	218	212	189
0.774193548387097	277	271	235	217	205	189
0.806451612903226	276	255	233	210	204	186
0.838709677419355	261	247	218	208	203	180
0.870967741935484	253	229	215	203	200	175
0.903225806451613	234	225	204	190	185	172
0.935483870967742	217	211	199	184	182	169
0.967741935483871	215	211	199	180	177	148

0.1 567.5 554.5 520.1 451.6 431.7 295.5

Average of yearly averages: 231

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Non-AgROWG-R

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description Variable Name Value Units Comments

Molecular weight mwt 256.47 g/mol

Henry's Law Const. henry 9.66E-10 atm-m³/mol

Vapor Pressure vapr 1.26E-6 torr

Solubility sol 440 mg/L

Kd Kd mg/L

Koc Koc 59.25 mg/L

Photolysis half-life kdp 0.375 days Half-life

Aerobic Aquatic Metabolism kbacw 426 days Halfife

Anaerobic Aquatic Metabolism kbacs 0 days Halfife

Aerobic Soil Metabolism asm 28.39 days Halfife

Hydrolysis: pH 5 0 days Half-life

Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 22.45 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 22.45 kg/ha
 Interval 2 interval 21 days Set to 0 or delete line for single app.
 app. rate 2 apprate 22.45 kg/ha
 Interval 3 interval 21 days Set to 0 or delete line for single app.
 app. rate 3 apprate 22.45 kg/ha
 Interval 4 interval 21 days Set to 0 or delete line for single app.
 app. rate 4 apprate 22.45 kg/ha
 Interval 5 interval 21 days Set to 0 or delete line for single app.
 app. rate 5 apprate 22.45 kg/ha
 Interval 6 interval 21 days Set to 0 or delete line for single app.
 app. rate 6 apprate 22.45 kg/ha
 Interval 7 interval 21 days Set to 0 or delete line for single app.
 app. rate 7 apprate 22.45 kg/ha
 Interval 8 interval 21 days Set to 0 or delete line for single app.
 app. rate 8 apprate 22.45 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single app.
 app. rate 9 apprate 22.45 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single app.
 app. rate 10 apprate 22.45 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single app.
 app. rate 11 apprate 22.45 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single app.
 app. rate 12 apprate 22.45 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 22.45 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 22.45 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 22.45 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 22.45 kg/ha
 Record 17: FILTRA

IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as Non-AgROWG-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3600	3510	3240	2350	1980	1530
1962	5130	5060	4690	4330	3920	2230
1963	5430	5330	4870	4550	4120	2490
1964	3200	3130	2870	2510	1920	1610
1965	4410	4320	3970	3550	3280	2260
1966	5820	5750	5300	4780	4560	2540
1967	6220	6080	5590	4890	4840	3070
1968	3790	3690	3390	3360	3160	2040
1969	4800	4680	4280	4160	3930	2210
1970	4230	4150	3860	3400	3060	1760
1971	3180	3110	2840	2460	2190	1310
1972	5640	5570	5100	4280	3500	1570
1973	5540	5430	5030	4680	4600	2600
1974	5070	4990	4580	3980	3860	2250
1975	3430	3340	3140	2790	2710	1910
1976	2540	2480	2250	1750	1630	1100
1977	5250	5150	4660	3980	3650	2200
1978	5550	5440	5020	4460	3960	2210
1979	5850	5770	5260	4810	4610	2700
1980	4420	4360	4040	3450	3280	1840
1981	5440	5340	4890	3970	3020	1580
1982	4760	4650	4240	3980	3840	2480
1983	5100	5040	4690	4220	4130	2540
1984	3020	2970	2750	2620	2560	1800
1985	3050	2980	2800	2350	2220	1490
1986	4620	4560	4190	3780	3510	1710
1987	3920	3850	3490	2950	2820	1710
1988	4420	4350	4030	3440	3150	2090
1989	5230	5100	4570	4040	3730	2130
1990	4460	4380	4030	3900	3690	1960

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	6220	6080	5590	4890	4840	3070	
0.0645161290322581		5850	5770	5300	4810	4610	2700
0.0967741935483871		5820	5750	5260	4780	4600	2600
0.129032258064516	5640	5570	5100	4680	4560	2540	

0.161290322580645	5550	5440	5030	4550	4130	2540
0.193548387096774	5540	5430	5020	4460	4120	2490
0.225806451612903	5440	5340	4890	4330	3960	2480
0.258064516129032	5430	5330	4870	4280	3930	2260
0.290322580645161	5250	5150	4690	4220	3920	2250
0.32258064516129	5230	5100	4690	4160	3860	2230
0.354838709677419	5130	5060	4660	4040	3840	2210
0.387096774193548	5100	5040	4580	3980	3730	2210
0.419354838709677	5070	4990	4570	3980	3690	2200
0.451612903225806	4800	4680	4280	3980	3650	2130
0.483870967741936	4760	4650	4240	3970	3510	2090
0.516129032258065	4620	4560	4190	3900	3500	2040
0.548387096774194	4460	4380	4040	3780	3280	1960
0.580645161290323	4420	4360	4030	3550	3280	1910
0.612903225806452	4420	4350	4030	3450	3160	1840
0.645161290322581	4410	4320	3970	3440	3150	1800
0.67741935483871	4230	4150	3860	3400	3060	1760
0.709677419354839	3920	3850	3490	3360	3020	1710
0.741935483870968	3790	3690	3390	2950	2820	1710
0.774193548387097	3600	3510	3240	2790	2710	1610
0.806451612903226	3430	3340	3140	2620	2560	1580
0.838709677419355	3200	3130	2870	2510	2220	1570
0.870967741935484	3180	3110	2840	2460	2190	1530
0.903225806451613	3050	2980	2800	2350	1980	1490
0.935483870967742	3020	2970	2750	2350	1920	1310
0.967741935483871	2540	2480	2250	1750	1630	1100

0.1 5802 5732 5244 4770 4596 2594

Average of yearly averages:

2030.66666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Non-AgROWG-I

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	22.45	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	

Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	22.45	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	22.45	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	22.45	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	22.45	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	22.45	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	22.45	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	22.45	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	22.45	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	22.45	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	22.45	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	22.45	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	22.45	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	22.45	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	22.45	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	22.45	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	22.45	kg/ha	
Record 17: FILTRA				
	IPSCND	1		
	UPTKF			
Record 18: PLVKRT				
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as Non-AgROWG-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February
2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3600	3510	3240	2350	1980	1530
1962	5130	5060	4690	4330	3920	2230
1963	5430	5330	4870	4550	4120	2490
1964	3200	3130	2870	2510	1920	1610
1965	4410	4320	3970	3550	3280	2260
1966	5820	5750	5300	4780	4560	2540
1967	6220	6080	5590	4890	4840	3070
1968	3790	3690	3390	3360	3160	2040
1969	4800	4680	4280	4160	3930	2210
1970	4230	4150	3860	3400	3060	1760
1971	3180	3110	2840	2460	2190	1310
1972	5640	5570	5100	4280	3500	1570
1973	5540	5430	5030	4680	4600	2600
1974	5070	4990	4580	3980	3860	2250
1975	3430	3340	3140	2790	2710	1910
1976	2540	2480	2250	1750	1630	1100
1977	5250	5150	4660	3980	3650	2200
1978	5550	5440	5020	4460	3960	2210
1979	5850	5770	5260	4810	4610	2700
1980	4420	4360	4040	3450	3280	1840
1981	5440	5340	4890	3970	3020	1580
1982	4760	4650	4240	3980	3840	2480
1983	5100	5040	4690	4220	4130	2540
1984	3020	2970	2750	2620	2560	1800
1985	3050	2980	2800	2350	2220	1490
1986	4620	4560	4190	3780	3510	1710
1987	3920	3850	3490	2950	2820	1710
1988	4420	4350	4030	3440	3150	2090
1989	5230	5100	4570	4040	3730	2130
1990	4460	4380	4030	3900	3690	1960

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	6220	6080	5590	4890	4840	3070	
0.0645161290322581		5850	5770	5300	4810	4610	2700
0.0967741935483871		5820	5750	5260	4780	4600	2600
0.129032258064516	5640	5570	5100	4680	4560	2540	
0.161290322580645	5550	5440	5030	4550	4130	2540	
0.193548387096774	5540	5430	5020	4460	4120	2490	
0.225806451612903	5440	5340	4890	4330	3960	2480	
0.258064516129032	5430	5330	4870	4280	3930	2260	
0.290322580645161	5250	5150	4690	4220	3920	2250	
0.32258064516129	5230	5100	4690	4160	3860	2230	

0.354838709677419	5130	5060	4660	4040	3840	2210
0.387096774193548	5100	5040	4580	3980	3730	2210
0.419354838709677	5070	4990	4570	3980	3690	2200
0.451612903225806	4800	4680	4280	3980	3650	2130
0.483870967741936	4760	4650	4240	3970	3510	2090
0.516129032258065	4620	4560	4190	3900	3500	2040
0.548387096774194	4460	4380	4040	3780	3280	1960
0.580645161290323	4420	4360	4030	3550	3280	1910
0.612903225806452	4420	4350	4030	3450	3160	1840
0.645161290322581	4410	4320	3970	3440	3150	1800
0.67741935483871	4230	4150	3860	3400	3060	1760
0.709677419354839	3920	3850	3490	3360	3020	1710
0.741935483870968	3790	3690	3390	2950	2820	1710
0.774193548387097	3600	3510	3240	2790	2710	1610
0.806451612903226	3430	3340	3140	2620	2560	1580
0.838709677419355	3200	3130	2870	2510	2220	1570
0.870967741935484	3180	3110	2840	2460	2190	1530
0.903225806451613	3050	2980	2800	2350	1980	1490
0.935483870967742	3020	2970	2750	2350	1920	1310
0.967741935483871	2540	2480	2250	1750	1630	1100

0.1 5802 5732 5244 4770 4596 2594

Average of yearly averages:

2030.66666666667

Inputs generated by pe5.pl - Novemeber 2006

stored as Non-AgROWG-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	215	211	199	180	177	148
1962	568	555	512	430	399	296
1963	590	577	538	491	491	320
1964	328	322	299	258	238	195
1965	306	301	204	184	182	175
1966	306	301	283	271	253	209
1967	563	550	521	452	429	278
1968	356	348	327	303	289	221
1969	307	303	286	271	254	207
1970	276	271	260	221	213	198
1971	253	247	235	220	217	191
1972	414	407	375	330	307	189
1973	379	372	354	349	336	259
1974	407	398	365	316	299	228
1975	295	289	280	257	248	205
1976	328	225	218	203	200	172
1977	500	488	441	371	343	254
1978	545	534	497	438	405	280
1979	540	528	501	448	416	286
1980	401	394	372	350	340	247

1981	472	461	421	354	296	240
1982	1050	1030	928	818	764	473
1983	533	522	487	446	432	291
1984	277	271	248	218	204	189
1985	280	274	255	210	203	193
1986	476	465	428	401	374	251
1987	287	280	258	233	225	200
1988	234	229	215	208	205	180
1989	217	211	199	190	185	169
1990	261	255	233	217	212	186

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	1050	1030	928	818	764	473
0.0645161290322581		590	577	538	491	491
0.0967741935483871		568	555	521	452	432
0.129032258064516	563	550	512	448	429	291
0.161290322580645	545	534	501	446	416	286
0.193548387096774	540	528	497	438	405	280
0.225806451612903	533	522	487	430	399	278
0.258064516129032	500	488	441	401	374	259
0.290322580645161	476	465	428	371	343	254
0.32258064516129	472	461	421	354	340	251
0.354838709677419	414	407	375	350	336	247
0.387096774193548	407	398	372	349	307	240
0.419354838709677	401	394	365	330	299	228
0.451612903225806	379	372	354	316	296	221
0.483870967741936	356	348	327	303	289	209
0.516129032258065	328	322	299	271	254	207
0.548387096774194	328	303	286	271	253	205
0.580645161290323	307	301	283	258	248	200
0.612903225806452	306	301	280	257	238	198
0.645161290322581	306	289	260	233	225	195
0.67741935483871	295	280	258	221	217	193
0.709677419354839	287	274	255	220	213	191
0.741935483870968	280	271	248	218	212	189
0.774193548387097	277	271	235	217	205	189
0.806451612903226	276	255	233	210	204	186
0.838709677419355	261	247	218	208	203	180
0.870967741935484	253	229	215	203	200	175
0.903225806451613	234	225	204	190	185	172
0.935483870967742	217	211	199	184	182	169
0.967741935483871	215	211	199	180	177	148

0.1 567.5 554.5 520.1 451.6 431.7 295.5

Average of yearly averages: 231

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Non-AgROWG-R

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description Variable Name Value Units Comments

Molecular weight mwt 256.47 g/mol

Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol
Vapor Pressure	vapr	1.26E-6	torr
Solubility	sol	440	mg/L
Kd	Kd		mg/L
Koc	Koc	59.25	mg/L
Photolysis half-life	kdp	0.375 days	Half-life
Aerobic Aquatic Metabolism	kbacw	426 days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0 days	Halfife
Aerobic Soil Metabolism	asm	28.39 days	Halfife
Hydrolysis: pH 5	0	days	Half-life
Hydrolysis: pH 7	0	days	Half-life
Hydrolysis: pH 9	0	days	Half-life
Method:	CAM	2	integer See PRZM manual
Incorporation Depth:	DEPI		cm
Application Rate:	TAPP	22.45	kg/ha
Application Efficiency:	APPEFF	0.99	fraction
Spray Drift	DRFT	0.01	fraction of application rate applied to pond
Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days Set to 0 or delete line for single app.
app. rate 1	apprate	22.45	kg/ha
Interval 2	interval	21	days Set to 0 or delete line for single app.
app. rate 2	apprate	22.45	kg/ha
Interval 3	interval	21	days Set to 0 or delete line for single app.
app. rate 3	apprate	22.45	kg/ha
Interval 4	interval	21	days Set to 0 or delete line for single app.
app. rate 4	apprate	22.45	kg/ha
Interval 5	interval	21	days Set to 0 or delete line for single app.
app. rate 5	apprate	22.45	kg/ha
Interval 6	interval	21	days Set to 0 or delete line for single app.
app. rate 6	apprate	22.45	kg/ha
Interval 7	interval	21	days Set to 0 or delete line for single app.
app. rate 7	apprate	22.45	kg/ha
Interval 8	interval	21	days Set to 0 or delete line for single app.
app. rate 8	apprate	22.45	kg/ha
Interval 9	interval	21	days Set to 0 or delete line for single app.
app. rate 9	apprate	22.45	kg/ha
Interval 10	interval	21	days Set to 0 or delete line for single app.
app. rate 10	apprate	22.45	kg/ha
Interval 11	interval	21	days Set to 0 or delete line for single app.
app. rate 11	apprate	22.45	kg/ha
Interval 12	interval	21	days Set to 0 or delete line for single app.
app. rate 12	apprate	22.45	kg/ha
Interval 13	interval	21	days Set to 0 or delete line for single app.
app. rate 13	apprate	22.45	kg/ha

Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 22.45 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 22.45 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 22.45 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as House-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	982	961	869	774	720	408
1962	2080	2020	1800	1540	1360	732
1963	3020	2930	2620	2180	2110	1340
1964	1910	1840	1650	1310	958	647
1965	1470	1430	1280	1180	1090	804
1966	2840	2780	2520	2100	1430	819
1967	2990	2920	2630	2220	2150	1090
1968	1950	1910	1730	1590	1480	755
1969	1670	1610	1400	1280	1280	828
1970	1630	1590	1440	1410	1320	714
1971	1770	1710	1540	1340	1250	651
1972	1970	1930	1750	1530	1270	568
1973	2220	2180	1980	1680	1550	949
1974	2210	2150	1910	1640	1270	1010
1975	2260	2200	1970	1770	1600	841
1976	1080	1050	951	716	695	490
1977	1700	1660	1500	1140	929	662
1978	2480	2440	2170	1960	1800	921
1979	2630	2550	2290	2100	1940	1060
1980	2130	2080	1830	1670	1530	893
1981	3510	3410	3040	2370	1930	1290
1982	2550	2480	2260	2140	2020	1210
1983	2420	2360	2140	2060	1910	1140
1984	1560	1520	1370	1160	1050	727
1985	1570	1530	1330	1120	1050	625
1986	2120	2090	1860	1670	1500	684
1987	2850	2760	2440	1950	1730	931

1988	2170	2090	1840	1620	1380	943
1989	2940	2860	2560	2370	2170	1060
1990	2440	2380	2160	2030	1950	946

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	3510	3410	3040	2370	2170	1340
0.0645161290322581		3020	2930	2630	2370	2150
0.0967741935483871		2990	2920	2620	2220	2110
0.129032258064516	2940	2860	2560	2180	2020	1140
0.161290322580645	2850	2780	2520	2140	1950	1090
0.193548387096774	2840	2760	2440	2100	1940	1060
0.225806451612903	2630	2550	2290	2100	1930	1060
0.258064516129032	2550	2480	2260	2060	1910	1010
0.290322580645161	2480	2440	2170	2030	1800	949
0.32258064516129	2440	2380	2160	1960	1730	946
0.354838709677419	2420	2360	2140	1950	1600	943
0.387096774193548	2260	2200	1980	1770	1550	931
0.419354838709677	2220	2180	1970	1680	1530	921
0.451612903225806	2210	2150	1910	1670	1500	893
0.483870967741936	2170	2090	1860	1670	1480	841
0.516129032258065	2130	2090	1840	1640	1430	828
0.548387096774194	2120	2080	1830	1620	1380	819
0.580645161290323	2080	2020	1800	1590	1360	804
0.612903225806452	1970	1930	1750	1540	1320	755
0.645161290322581	1950	1910	1730	1530	1280	732
0.67741935483871	1910	1840	1650	1410	1270	727
0.709677419354839	1770	1710	1540	1340	1270	714
0.741935483870968	1700	1660	1500	1310	1250	684
0.774193548387097	1670	1610	1440	1280	1090	662
0.806451612903226	1630	1590	1400	1180	1050	651
0.838709677419355	1570	1530	1370	1160	1050	647
0.870967741935484	1560	1520	1330	1140	958	625
0.903225806451613	1470	1430	1280	1120	929	568
0.935483870967742	1080	1050	951	774	720	490
0.967741935483871	982	961	869	716	695	408

0.1	2985	2914	2614	2216	2101	1203
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Average of yearly averages:

857.933333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: House-I

Metfile: w23232.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	13.47	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	13.47	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	13.47	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	13.47	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	13.47	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	13.47	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	13.47	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	13.47	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	13.47	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	13.47	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	13.47	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	13.47	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	13.47	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	13.47	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	13.47	kg/ha	

Interval 16 interval 21 days Set to 0 or delete line for single app.

app. rate 16 apprate 13.47 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF total none, monthly or total(average of entire run)

stored as Golf.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	86.48	84.36	78.56	68.88	65.8	45.65
1962	215	212	198	168	148	99.31
1963	271	265	247	220	220	119
1964	136	133	123	100	88.6	52.35
1965	97.13	95.61	75.57	69.91	64.43	48.9
1966	129	127	122	105	99.97	62.84
1967	311	303	286	244	227	116
1968	166	162	152	141	131	73.74
1969	156	154	145	133	124	71.23
1970	119	117	110	101	92.73	57.54
1971	103	100	92.8	79.85	72.57	49.99
1972	169	165	152	126	111	49.32
1973	187	183	174	170	162	91.94
1974	165	161	147	126	119	70.38
1975	123	120	115	102	102	61.49
1976	89.63	76.9	71.54	62.64	57.04	38.56
1977	184	179	161	133	124	74.69
1978	243	238	218	189	173	97.37
1979	255	249	235	208	189	104
1980	172	169	159	143	137	74.59
1981	200	195	176	143	112	78.41
1982	516	502	451	392	363	195
1983	261	255	236	215	201	110
1984	98.11	95.68	87.01	75.91	69.19	49.39
1985	92.94	90.41	84.78	77.66	72.26	50.62
1986	216	211	193	178	160	81.43
1987	125	122	110	94.35	85.6	56.06
1988	84.69	83.01	76.34	66.03	60.46	48.12
1989	79.39	77.2	72.35	62.71	55.7	44.31
1990	99.61	97.14	88.51	75.92	71.17	47.03

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	516	502	451	392	363	195	
0.0645161290322581		311	303	286	244	227	119
0.0967741935483871		271	265	247	220	220	116
0.129032258064516	261	255	236	215	201	110	
0.161290322580645	255	249	235	208	189	104	
0.193548387096774	243	238	218	189	173	99.31	
0.225806451612903	216	212	198	178	162	97.37	
0.258064516129032	215	211	193	170	160	91.94	
0.290322580645161	200	195	176	168	148	81.43	
0.32258064516129	187	183	174	143	137	78.41	
0.354838709677419	184	179	161	143	131	74.69	
0.387096774193548	172	169	159	141	124	74.59	
0.419354838709677	169	165	152	133	124	73.74	
0.451612903225806	166	162	152	133	119	71.23	
0.483870967741936	165	161	147	126	112	70.38	
0.516129032258065	156	154	145	126	111	62.84	
0.548387096774194	136	133	123	105	102	61.49	
0.580645161290323	129	127	122	102	99.97	57.54	
0.612903225806452	125	122	115	101	92.73	56.06	
0.645161290322581	123	120	110	100	88.6	52.35	
0.67741935483871	119	117	110	94.35	85.6	50.62	
0.709677419354839	103	100	92.8	79.85	72.57	49.99	
0.741935483870968	99.61	97.14	88.51	77.66	72.26	49.39	
0.774193548387097	98.11	95.68	87.01	75.92	71.17	49.32	
0.806451612903226	97.13	95.61	84.78	75.91	69.19	48.9	
0.838709677419355	92.94	90.41	78.56	69.91	65.8	48.12	
0.870967741935484	89.63	84.36	76.34	68.88	64.43	47.03	
0.903225806451613	86.48	83.01	75.57	66.03	60.46	45.65	
0.935483870967742	84.69	77.2	72.35	62.71	57.04	44.31	
0.967741935483871	79.39	76.9	71.54	62.64	55.7	38.56	

0.1 270 264 245.9 219.5 218.1 115.4

Average of yearly averages:

73.9753333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Golf

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	

Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI			cm
Application Rate:	TAPP	13.47	kg/ha	
Application Efficiency:	APPEFF	0.99		fraction
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	13.47	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	13.47	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	13.47	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	13.47	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	13.47	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	13.47	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	13.47	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	13.47	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	13.47	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	13.47	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	13.47	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	13.47	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	13.47	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	13.47	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	13.47	kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF total none, monthly or
total(average of entire run)

stored as Forest mgmt.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	204	200	188	175	165	122
1962	257	253	240	231	217	148
1963	200	195	179	165	158	136
1964	243	239	225	209	203	150
1965	184	181	168	162	154	123
1966	342	335	308	239	200	151
1967	285	281	263	253	251	191
1968	227	223	219	209	202	148
1969	226	222	214	209	198	146
1970	277	272	253	243	228	161
1971	243	238	225	202	181	159
1972	225	221	207	195	189	143
1973	235	231	218	202	184	129
1974	331	326	302	264	244	182
1975	420	413	383	331	276	173
1976	337	331	313	288	273	179
1977	284	279	260	247	243	139
1978	217	214	201	194	189	146
1979	202	198	184	168	150	122
1980	217	213	198	180	170	140
1981	255	250	238	220	206	155
1982	253	250	234	216	182	140
1983	303	298	278	268	250	210
1984	338	331	310	294	265	174
1985	273	267	256	231	219	168
1986	191	189	176	171	164	132
1987	252	248	232	170	146	127
1988	290	285	279	254	202	150
1989	225	221	209	196	194	149
1990	184	180	169	150	143	126

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	420	413	383	331	276	210
0.0645161290322581		342	335	313	294	273
0.0967741935483871		338	331	310	288	265
0.129032258064516	337	331	308	268	251	179
0.161290322580645	331	326	302	264	250	174
0.193548387096774	303	298	279	254	244	173

0.225806451612903	290	285	278	253	243	168
0.258064516129032	285	281	263	247	228	161
0.290322580645161	284	279	260	243	219	159
0.32258064516129	277	272	256	239	217	155
0.354838709677419	273	267	253	231	206	151
0.387096774193548	257	253	240	231	203	150
0.419354838709677	255	250	238	220	202	150
0.451612903225806	253	250	234	216	202	149
0.483870967741936	252	248	232	209	200	148
0.516129032258065	243	239	225	209	198	148
0.548387096774194	243	238	225	209	194	146
0.580645161290323	235	231	219	202	189	146
0.612903225806452	227	223	218	202	189	143
0.645161290322581	226	222	214	196	184	140
0.67741935483871	225	221	209	195	182	140
0.709677419354839	225	221	207	194	181	139
0.741935483870968	217	214	201	180	170	136
0.774193548387097	217	213	198	175	165	132
0.806451612903226	204	200	188	171	164	129
0.838709677419355	202	198	184	170	158	127
0.870967741935484	200	195	179	168	154	126
0.903225806451613	191	189	176	165	150	123
0.935483870967742	184	181	169	162	146	122
0.967741935483871	184	180	168	150	143	122

0.1 337.9 331 309.8 286 263.6 181.7
Average of yearly averages:
150.633333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Forest mgmt

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	256.47		g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6		torr	
Solubility	sol	440		mg/L	
Kd	Kd			mg/L	
Koc	Koc	59.25		mg/L	
Photolysis half-life	kdp	0.375	days		Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	6.74	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.05	fraction of application rate applied to pond		
Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm		

Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	6.74	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	6.74	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	6.74	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	6.74	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	6.74	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	6.74	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	6.74	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	6.74	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	6.74	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	6.74	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	6.74	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	6.74	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	6.74	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	6.74	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	6.74	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	6.74	kg/ha	
Record 17: FILTRA				
	IPSCND	1		
	UPTKF			
Record 18: PLVKRT				
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run IR EPA Pond				
Flag for runoff calc. RUNOFF none none, monthly or				
total(average of entire run)				

stored as Douglas.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	19.26	18.84	17.69	16.41	15.1	9.621
1962	30.46	29.85	27.67	22.35	18.52	10.32
1963	23.25	22.8	21.3	20.89	18.36	15.16
1964	25.64	25.18	23.6	20.88	19.31	11.44
1965	14.63	14.38	13.32	11.73	10.96	7.682
1966	27.83	27.26	25.03	18.81	15.24	12.38
1967	27.9	27.44	25.19	22.19	20.83	16.84
1968	26.4	25.87	24.62	22.82	21.78	13.06
1969	16.14	15.88	15.08	14.42	13.67	9.521
1970	38.04	37.34	35.45	20.82	19.36	13.63
1971	30.92	30.33	29.04	25.67	24.66	16.08
1972	42.17	41.3	38.05	33.47	30.25	17.52
1973	19.8	19.5	18.32	16.4	15.22	11.25
1974	27.5	27.07	25.06	21.47	19.73	14.08
1975	56.7	55.71	51.57	37.53	29.17	17.7
1976	44.23	43.42	40.63	35.73	32.63	17.46
1977	17.54	17.2	16.03	15.58	14.55	8.099
1978	14.07	13.82	12.97	12.68	12.64	9.109
1979	15.35	15.07	13.99	12.48	11.1	9.061
1980	17.02	16.68	15.51	13.67	12.58	9.518
1981	60.17	59.14	54.34	47.69	42.71	21.47
1982	20.35	20.16	18.81	14.93	11.99	9.57
1983	25.47	25.05	23.5	22.2	20.93	16.22
1984	36.66	36.06	33.73	27.41	22.43	13.27
1985	33.15	32.42	29.65	25.65	20.94	15.65
1986	20.5	20.2	18.82	18.45	18.18	12.01
1987	29.25	28.71	26.81	16.06	14.98	10.88
1988	23.41	22.98	21.8	19.15	17.24	11.48
1989	16.09	15.81	14.78	14.33	13.66	10.03
1990	16.55	16.18	15.07	12.67	10.21	8.514

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	60.17	59.14	54.34	47.69	42.71	21.47
0.0645161290322581	56.7	55.71	51.57	37.53	32.63	17.7
0.0967741935483871	44.23	43.42	40.63	35.73	30.25	17.52
0.129032258064516	42.17	41.3	38.05	33.47	29.17	17.46
0.161290322580645	38.04	37.34	35.45	27.41	24.66	16.84
0.193548387096774	36.66	36.06	33.73	25.67	22.43	16.22
0.225806451612903	33.15	32.42	29.65	25.65	21.78	16.08
0.258064516129032	30.92	30.33	29.04	22.82	20.94	15.65
0.290322580645161	30.46	29.85	27.67	22.35	20.93	15.16
0.32258064516129	29.25	28.71	26.81	22.2	20.83	14.08
0.354838709677419	27.9	27.44	25.19	22.19	19.73	13.63
0.387096774193548	27.83	27.26	25.06	21.47	19.36	13.27
0.419354838709677	27.5	27.07	25.03	20.89	19.31	13.06
0.451612903225806	26.4	25.87	24.62	20.88	18.52	12.38

0.1	44.024	43.208	40.372	35.504	30.142
	17.514				

12.6208333333333

app. rate 2 apprate 1.68 kg/ha

Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	1.68	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	1.68	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	1.68	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	1.68	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	1.68	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	1.68	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	1.68	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	1.68	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	1.68	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	1.68	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	1.68	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	1.68	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	1.68	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	1.68	kg/ha	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as Conifer.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08
 Metfile: w24283.dvf modified Tuesday, 26 August 2008 at 06:15:56
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	66.6	65.48	61.92	60.52	59.01	46.14
1962	103	101	93.81	81.87	74.38	56.24
1963	87.82	86.19	80.95	80.06	73.68	67
1964	89.74	88.18	84.12	78.35	74.64	58.3
1965	68.99	67.82	63.17	59.81	58.28	52.01
1966	96.03	94.12	86.61	72.96	67.47	60.82
1967	95.88	94.14	86.73	81.55	79.02	70.38
1968	87.73	86.01	83.56	80.59	78.97	61.71
1969	73.13	71.95	68.7	66.67	64.9	55.4
1970	118	115	109	77.47	74.17	62.49
1971	102	99.74	94.34	88.18	86.64	69.54
1972	125	122	113	104	97.95	72.08
1973	80.37	79.13	74.65	70.26	67.41	59.02
1974	96.84	95.3	89.15	81.38	77.78	64.99
1975	155	153	141	112	95.09	71.58
1976	128	126	117	108	102	70.86
1977	74.69	73.32	69.16	68.39	65.98	50.83
1978	68.18	66.96	63.25	62.65	62.42	54.2
1979	69.35	68.14	63.89	60.82	59.2	53.63
1980	71.98	70.58	66.74	63.06	61.2	54.35
1981	161	158	145	132	122	78.75
1982	78.05	77.1	73.23	64.4	58.77	54.69
1983	90.63	89.39	85.34	82.98	80.21	69.13
1984	112	111	104	89.66	79.4	61.69
1985	106	104	95.48	87.74	77.43	66.21
1986	80.8	79.82	74.74	73.56	72.61	59.73
1987	98.98	97.87	91.07	68.5	64.39	57.23
1988	85.92	84.38	79.34	74.44	70.21	58.39
1989	71.64	70.43	66.86	65.27	64.1	56.26
1990	71.39	69.85	64.83	58.8	55.16	52.35

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	161	158	145	132	122	78.75	
0.0645161290322581		155	153	141	112	102	72.08
0.0967741935483871		128	126	117	108	97.95	71.58
0.129032258064516	125	122	113	104	95.09	70.86	
0.161290322580645	118	115	109	89.66	86.64	70.38	
0.193548387096774	112	111	104	88.18	80.21	69.54	
0.225806451612903	106	104	95.48	87.74	79.4	69.13	
0.258064516129032	103	101	94.34	82.98	79.02	67	
0.290322580645161	102	99.74	93.81	81.87	78.97	66.21	
0.32258064516129	98.98	97.87	91.07	81.55	77.78	64.99	
0.354838709677419	96.84	95.3	89.15	81.38	77.43	62.49	
0.387096774193548	96.03	94.14	86.73	80.59	74.64	61.71	
0.419354838709677	95.88	94.12	86.61	80.06	74.38	61.69	
0.451612903225806	90.63	89.39	85.34	78.35	74.17	60.82	
0.483870967741936	89.74	88.18	84.12	77.47	73.68	59.73	
0.516129032258065	87.82	86.19	83.56	74.44	72.61	59.02	
0.548387096774194	87.73	86.01	80.95	73.56	70.21	58.39	
0.580645161290323	85.92	84.38	79.34	72.96	67.47	58.3	

0.612903225806452	80.8	79.82	74.74	70.26	67.41	57.23
0.645161290322581	80.37	79.13	74.65	68.5	65.98	56.26
0.67741935483871	78.05	77.1	73.23	68.39	64.9	56.24
0.709677419354839	74.69	73.32	69.16	66.67	64.39	55.4
0.741935483870968	73.13	71.95	68.7	65.27	64.1	54.69
0.774193548387097	71.98	70.58	66.86	64.4	62.42	54.35
0.806451612903226	71.64	70.43	66.74	63.06	61.2	54.2
0.838709677419355	71.39	69.85	64.83	62.65	59.2	53.63
0.870967741935484	69.35	68.14	63.89	60.82	59.01	52.35
0.903225806451613	68.99	67.82	63.25	60.52	58.77	52.01
0.935483870967742	68.18	66.96	63.17	59.81	58.28	50.83
0.967741935483871	66.6	65.48	61.92	58.8	55.16	46.14

0.1 127.7 125.6 116.6 107.6 97.664 71.508
Average of yearly averages:
60.8666666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Conifer

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		256.47	g/mol	
Henry's Law Const.	henry		9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr		1.26E-6	torr	
Solubility	sol	440	mg/L		
Kd	Kd		mg/L		
Koc	Koc	59.25	mg/L		
Photolysis half-life	kdp		0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI		cm		
Application Rate:	TAPP	3.59	kg/ha		
Application Efficiency:	APPEFF	0.95	fraction		
Spray Drift	DRFT	0.05	fraction of		application rate applied to pond
Application Date	Date	1-1	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days		Set to 0 or delete line for single app.
app. rate 1	apprate	3.59	kg/ha		
Interval 2	interval	21	days		Set to 0 or delete line for single app.
app. rate 2	apprate	3.59	kg/ha		
Interval 3	interval	21	days		Set to 0 or delete line for single app.
app. rate 3	apprate	3.59	kg/ha		
Interval 4	interval	21	days		Set to 0 or delete line for single app.
app. rate 4	apprate	3.59	kg/ha		

Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	3.59	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	3.59	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	3.59	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	3.59	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	3.59	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	3.59	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	3.59	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	3.59	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	3.59	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	3.59	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	3.59	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	3.59	kg/ha	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as Commercial.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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1961	3600	3510	3240	2350	1980	1530
1962	5130	5060	4690	4330	3920	2230
1963	5430	5330	4870	4550	4120	2490
1964	3200	3130	2870	2510	1920	1610
1965	4410	4320	3970	3550	3280	2260
1966	5820	5750	5300	4780	4560	2540
1967	6220	6080	5590	4890	4840	3070
1968	3790	3690	3390	3360	3160	2040
1969	4800	4680	4280	4160	3930	2210
1970	4230	4150	3860	3400	3060	1760
1971	3180	3110	2840	2460	2190	1310
1972	5640	5570	5100	4280	3500	1570
1973	5540	5430	5030	4680	4600	2600
1974	5070	4990	4580	3980	3860	2250
1975	3430	3340	3140	2790	2710	1910
1976	2540	2480	2250	1750	1630	1100
1977	5250	5150	4660	3980	3650	2200
1978	5550	5440	5020	4460	3960	2210
1979	5850	5770	5260	4810	4610	2700
1980	4420	4360	4040	3450	3280	1840
1981	5440	5340	4890	3970	3020	1580
1982	4760	4650	4240	3980	3840	2480
1983	5100	5040	4690	4220	4130	2540
1984	3020	2970	2750	2620	2560	1800
1985	3050	2980	2800	2350	2220	1490
1986	4620	4560	4190	3780	3510	1710
1987	3920	3850	3490	2950	2820	1710
1988	4420	4350	4030	3440	3150	2090
1989	5230	5100	4570	4040	3730	2130
1990	4460	4380	4030	3900	3690	1960

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	6220	6080	5590	4890	4840 3070
0.0645161290322581		5850	5770	5300	4810 4610 2700
0.0967741935483871		5820	5750	5260	4780 4600 2600
0.129032258064516	5640	5570	5100	4680	4560 2540
0.161290322580645	5550	5440	5030	4550	4130 2540
0.193548387096774	5540	5430	5020	4460	4120 2490
0.225806451612903	5440	5340	4890	4330	3960 2480
0.258064516129032	5430	5330	4870	4280	3930 2260
0.290322580645161	5250	5150	4690	4220	3920 2250
0.32258064516129	5230	5100	4690	4160	3860 2230
0.354838709677419	5130	5060	4660	4040	3840 2210
0.387096774193548	5100	5040	4580	3980	3730 2210
0.419354838709677	5070	4990	4570	3980	3690 2200
0.451612903225806	4800	4680	4280	3980	3650 2130
0.483870967741936	4760	4650	4240	3970	3510 2090
0.516129032258065	4620	4560	4190	3900	3500 2040
0.548387096774194	4460	4380	4040	3780	3280 1960
0.580645161290323	4420	4360	4030	3550	3280 1910
0.612903225806452	4420	4350	4030	3450	3160 1840
0.645161290322581	4410	4320	3970	3440	3150 1800
0.67741935483871	4230	4150	3860	3400	3060 1760
0.709677419354839	3920	3850	3490	3360	3020 1710
0.741935483870968	3790	3690	3390	2950	2820 1710
0.774193548387097	3600	3510	3240	2790	2710 1610

0.806451612903226	3430	3340	3140	2620	2560	1580
0.838709677419355	3200	3130	2870	2510	2220	1570
0.870967741935484	3180	3110	2840	2460	2190	1530
0.903225806451613	3050	2980	2800	2350	1980	1490
0.935483870967742	3020	2970	2750	2350	1920	1310
0.967741935483871	2540	2480	2250	1750	1630	1100

0.1	5802	5732	5244	4770	4596	2594
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Average of yearly averages:

2030.66666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Commercial

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	256.47		g/mol	
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Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6		torr	
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Solubility	sol	440		mg/L	
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Kd	Kd			mg/L	
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Koc	Koc	59.25		mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife	
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Aerobic Soil Metabolism	asm	28.39	days	Halfife	
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Hydrolysis: pH 5	0	days	Half-life		
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Hydrolysis: pH 7	0	days	Half-life		
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Hydrolysis: pH 9	0	days	Half-life		
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Method:	CAM	2	integer	See PRZM manual	
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Incorporation Depth:	DEPI		cm		
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Application Rate: TAPP	22.45	kg/ha			
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
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Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 1	apprate	22.45	kg/ha		
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Interval 2	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 2	apprate	22.45	kg/ha		
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Interval 3	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 3	apprate	22.45	kg/ha		
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Interval 4	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 4	apprate	22.45	kg/ha		
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Interval 5	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 5	apprate	22.45	kg/ha		
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Interval 6	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 6	apprate	22.45	kg/ha		
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Interval 7 interval 21 days Set to 0 or delete line for single app.
 app. rate 7 apprate 22.45 kg/ha
 Interval 8 interval 21 days Set to 0 or delete line for single app.
 app. rate 8 apprate 22.45 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single app.
 app. rate 9 apprate 22.45 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single app.
 app. rate 10 apprate 22.45 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single app.
 app. rate 11 apprate 22.45 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single app.
 app. rate 12 apprate 22.45 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 22.45 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 22.45 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 22.45 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 22.45 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as ComLawn.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	11	10.74	10.06	8.9	8.411	5.967
1962	27.26	26.86	25.21	21.67	19.26	13.04
1963	34.75	33.98	31.81	28.64	28.7	15.84
1964	17.51	17.14	15.95	13.16	11.68	6.998
1965	12.48	12.3	9.828	9.152	8.479	6.493

1966	16.65	16.39	15.74	13.66	13.03	8.317
1967	39.47	38.56	36.52	31.39	29.46	15.41
1968	21.19	20.73	19.54	18.29	17.08	9.797
1969	20.18	19.91	18.78	17.29	16.17	9.464
1970	15.33	15.02	14.19	13.2	12.14	7.628
1971	13.26	12.95	12.05	10.47	9.567	6.656
1972	21.48	20.99	19.41	16.31	14.32	6.455
1973	24.13	23.64	22.63	22.25	21.2	12.23
1974	21.2	20.74	19.04	16.45	15.64	9.412
1975	15.87	15.53	14.94	13.38	13.21	8.157
1976	11.44	9.917	9.254	8.178	7.487	5.131
1977	23.17	22.61	20.43	17.17	16.01	9.85
1978	31.27	30.64	28.24	24.67	22.63	12.96
1979	32.36	31.66	30.12	26.95	24.6	13.78
1980	22.35	21.92	20.68	18.72	17.93	9.975
1981	25.27	24.7	22.49	18.44	14.62	10.3
1982	65.12	63.53	57.46	50.47	46.97	25.8
1983	33.72	32.99	30.71	28.24	26.52	14.8
1984	12.86	12.56	11.49	10.11	9.253	6.59
1985	12.03	11.72	11.03	10.17	9.503	6.718
1986	27.66	27.03	24.86	22.93	20.79	10.8
1987	16.02	15.64	14.16	12.32	11.16	7.44
1988	10.96	10.76	9.948	8.677	7.979	6.388
1989	10.22	9.956	9.373	8.147	7.267	5.859
1990	12.85	12.55	11.5	9.956	9.336	6.259

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	65.12	63.53	57.46	50.47	46.97	25.8
0.0645161290322581	39.47	38.56	36.52	31.39	29.46	15.84
0.0967741935483871	34.75	33.98	31.81	28.64	28.7	15.41
0.129032258064516	33.72	32.99	30.71	28.24	26.52	14.8
0.161290322580645	32.36	31.66	30.12	26.95	24.6	13.78
0.193548387096774	31.27	30.64	28.24	24.67	22.63	13.04
0.225806451612903	27.66	27.03	25.21	22.93	21.2	12.96
0.258064516129032	27.26	26.86	24.86	22.25	20.79	12.23
0.290322580645161	25.27	24.7	22.63	21.67	19.26	10.8
0.32258064516129	24.13	23.64	22.49	18.72	17.93	10.3
0.354838709677419	23.17	22.61	20.68	18.44	17.08	9.975
0.387096774193548	22.35	21.92	20.43	18.29	16.17	9.85
0.419354838709677	21.48	20.99	19.54	17.29	16.01	9.797
0.451612903225806	21.2	20.74	19.41	17.17	15.64	9.464
0.483870967741936	21.19	20.73	19.04	16.45	14.62	9.412
0.516129032258065	20.18	19.91	18.78	16.31	14.32	8.317
0.548387096774194	17.51	17.14	15.95	13.66	13.21	8.157
0.580645161290323	16.65	16.39	15.74	13.38	13.03	7.628
0.612903225806452	16.02	15.64	14.94	13.2	12.14	7.44
0.645161290322581	15.87	15.53	14.19	13.16	11.68	6.998
0.67741935483871	15.33	15.02	14.16	12.32	11.16	6.718
0.709677419354839	13.26	12.95	12.05	10.47	9.567	6.656
0.741935483870968	12.86	12.56	11.5	10.17	9.503	6.59
0.774193548387097	12.85	12.55	11.49	10.11	9.336	6.493
0.806451612903226	12.48	12.3	11.03	9.956	9.253	6.455
0.838709677419355	12.03	11.72	10.06	9.152	8.479	6.388
0.870967741935484	11.44	10.76	9.948	8.9	8.411	6.259
0.903225806451613	11	10.74	9.828	8.677	7.979	5.967
0.935483870967742	10.96	9.956	9.373	8.178	7.487	5.859

0.967741935483871 10.22 9.917 9.254 8.147 7.267 5.131

0.1 34.647 33.881 31.7 28.6 28.482 15.349
Average of yearly averages:

9.81713333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: ComLawn

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate: TAPP	1.68	kg/ha		
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Application Efficiency: APPEFF	0.99	fraction		
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Spray Drift DRFT	0.01	fraction of	application rate applied to pond	
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Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	1.68	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	1.68	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	1.68	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	1.68	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	1.68	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	1.68	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	1.68	kg/ha	
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Interval 8	interval	21	days	Set to 0 or delete line for single app.
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app. rate 8 apprate 1.68 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 9 apprate 1.68 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 10 apprate 1.68 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 11 apprate 1.68 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 12 apprate 1.68 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 13 apprate 1.68 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 14 apprate 1.68 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 15 apprate 1.68 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 16 apprate 1.68 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as ComInd.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	53.6	52.54	48.32	40.33	35.23	13.66
1962	70.06	68.97	63.95	53.91	46.59	18.57
1963	128	125	116	96.66	84.3	33.03
1964	55.87	54.64	50.39	39.73	33.83	12.98
1965	31.27	30.6	27.8	24.05	21.5	8.777
1966	48.92	47.95	45.41	37.5	32.4	12.87
1967	172	168	157	131	115	44.94
1968	96.32	94.17	86.98	73.41	63.74	25.41
1969	60.58	59.39	58.08	52.13	46.1	18.18
1970	54.24	53.12	49.45	42.98	37.61	14.45
1971	12.33	12.04	10.98	8.991	9.035	4.305

1972	9.682	9.449	8.747	7.211	6.424	2.623
1973	73.55	72.26	68.53	62.22	56.32	22.75
1974	35.76	34.95	32.32	29.31	27.18	11.22
1975	59.31	57.99	53.46	44.14	38.46	15.04
1976	20.92	20.4	18.53	15.03	12.89	5.927
1977	57.77	56.35	50.84	43.55	38.42	15.26
1978	67.9	66.57	62.37	54.59	51.08	22.02
1979	84.51	82.68	77.8	65.77	62.01	26.31
1980	42.13	41.37	38.83	36.32	33.54	14
1981	85.79	83.87	76.52	62.7	54.23	20.7
1982	236	230	208	175	156	61.56
1983	94.08	91.94	85.73	73.29	64.85	25.87
1984	11.3	11.03	10.01	8.567	7.904	3.163
1985	39.41	38.34	34.24	27.57	23.67	9.402
1986	42.26	41.5	38.31	32.92	29.37	12.62
1987	51.43	50.17	45.62	37.35	34.39	15.25
1988	21.61	21.13	19.14	15.95	14.14	5.549
1989	9.848	9.617	8.829	8.196	7.497	3.269
1990	22.86	22.31	20.18	17.14	15.81	6.733

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	236	230	208	175	156	61.56
0.0645161290322581		172	168	157	131	115 44.94
0.0967741935483871		128	125	116	96.66	84.3 33.03
0.129032258064516	96.32	94.17	86.98	73.41	64.85	26.31
0.161290322580645	94.08	91.94	85.73	73.29	63.74	25.87
0.193548387096774	85.79	83.87	77.8	65.77	62.01	25.41
0.225806451612903	84.51	82.68	76.52	62.7	56.32	22.75
0.258064516129032	73.55	72.26	68.53	62.22	54.23	22.02
0.290322580645161	70.06	68.97	63.95	54.59	51.08	20.7
0.32258064516129	67.9	66.57	62.37	53.91	46.59	18.57
0.354838709677419	60.58	59.39	58.08	52.13	46.1	18.18
0.387096774193548	59.31	57.99	53.46	44.14	38.46	15.26
0.419354838709677	57.77	56.35	50.84	43.55	38.42	15.25
0.451612903225806	55.87	54.64	50.39	42.98	37.61	15.04
0.483870967741936	54.24	53.12	49.45	40.33	35.23	14.45
0.516129032258065	53.6	52.54	48.32	39.73	34.39	14
0.548387096774194	51.43	50.17	45.62	37.5	33.83	13.66
0.580645161290323	48.92	47.95	45.41	37.35	33.54	12.98
0.612903225806452	42.26	41.5	38.83	36.32	32.4	12.87
0.645161290322581	42.13	41.37	38.31	32.92	29.37	12.62
0.67741935483871	39.41	38.34	34.24	29.31	27.18	11.22
0.709677419354839	35.76	34.95	32.32	27.57	23.67	9.402
0.741935483870968	31.27	30.6	27.8	24.05	21.5	8.777
0.774193548387097	22.86	22.31	20.18	17.14	15.81	6.733
0.806451612903226	21.61	21.13	19.14	15.95	14.14	5.927
0.838709677419355	20.92	20.4	18.53	15.03	12.89	5.549
0.870967741935484	12.33	12.04	10.98	8.991	9.035	4.305
0.903225806451613	11.3	11.03	10.01	8.567	7.904	3.269
0.935483870967742	9.848	9.617	8.829	8.196	7.497	3.163
0.967741935483871	9.682	9.449	8.747	7.211	6.424	2.623

0.1	124.832	121.917	113.098	94.335	82.355
	32.358				

Average of yearly averages:

16.8812666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: ComInd

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		256.47	g/mol	
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Henry's Law Const.	henry		9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr		1.26E-6	torr	
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Solubility	sol	440	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	59.25	mg/L		
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Photolysis half-life	kdp	0.375	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife	
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Aerobic Soil Metabolism	asm	28.39	days	Halfife	
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Hydrolysis: pH 5	0	days	Half-life		
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Hydrolysis: pH 7	0	days	Half-life		
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Hydrolysis: pH 9	0	days	Half-life		
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Method:	CAM	1	integer	See PRZM manual	
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	10.10	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
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Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1	interval	21	days	Set to 0 or delete line for single app.	
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app. rate 1	apprate	10.10	kg/ha		
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as ChristmasForest.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	222	217	202	183	163	91.62
1962	356	349	324	254	203	89.26
1963	253	248	232	227	196	152
1964	296	291	271	234	214	104

1965	139	137	127	105	95.09	48.9
1966	327	321	294	208	157	116
1967	318	314	288	250	234	177
1968	303	296	281	257	242	123
1969	168	165	156	150	139	77.81
1970	453	445	424	230	214	134
1971	360	354	341	294	280	164
1972	513	503	464	402	358	184
1973	211	208	196	170	149	97.58
1974	323	318	293	244	219	140
1975	700	687	637	454	341	186
1976	537	527	495	429	388	183
1977	177	174	160	154	140	56.2
1978	132	129	122	117	116	69.22
1979	152	149	137	117	95.15	69.57
1980	180	176	162	136	120	78.03
1981	744	732	674	587	521	238
1982	224	221	204	155	113	78.1
1983	296	291	271	253	235	170
1984	439	431	404	322	256	129
1985	386	378	346	293	230	160
1986	222	219	203	199	195	110
1987	332	326	304	165	153	94.16
1988	256	251	241	205	179	101
1989	156	153	143	137	128	80
1990	166	162	152	122	86.94	62.78

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	744	732	674	587	521	238
0.0645161290322581		700	687	637	454	388
0.0967741935483871		537	527	495	429	358
0.129032258064516	513	503	464	402	341	183
0.161290322580645	453	445	424	322	280	177
0.193548387096774	439	431	404	294	256	170
0.225806451612903	386	378	346	293	242	164
0.258064516129032	360	354	341	257	235	160
0.290322580645161	356	349	324	254	234	152
0.32258064516129	332	326	304	253	230	140
0.354838709677419	327	321	294	250	219	134
0.387096774193548	323	318	293	244	214	129
0.419354838709677	318	314	288	234	214	123
0.451612903225806	303	296	281	230	203	116
0.483870967741936	296	291	271	227	196	110
0.516129032258065	296	291	271	208	195	104
0.548387096774194	256	251	241	205	179	101
0.580645161290323	253	248	232	199	163	97.58
0.612903225806452	224	221	204	183	157	94.16
0.645161290322581	222	219	203	170	153	91.62
0.67741935483871	222	217	202	165	149	89.26
0.709677419354839	211	208	196	155	140	80
0.741935483870968	180	176	162	154	139	78.1
0.774193548387097	177	174	160	150	128	78.03
0.806451612903226	168	165	156	137	120	77.81
0.838709677419355	166	162	152	136	116	69.57
0.870967741935484	156	153	143	122	113	69.22
0.903225806451613	152	149	137	117	95.15	62.78

0.935483870967742	139	137	127	117	95.09	56.2
0.967741935483871	132	129	122	105	86.94	48.9

0.1 534.6 524.6 491.9 426.3 356.3 183.9

Average of yearly averages:

118.807666666667

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: ChristmasForest

Metfile: w24283.dvf

PRZM scenario: CAFE forestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	6.74	kg/ha	
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Application Efficiency:	APPEFF	1	fraction	
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Spray Drift	DRFT	0	fraction of	application rate applied to pond
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Application Date	Date	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	6.74	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	6.74	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	6.74	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	6.74	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	6.74	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	6.74	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	6.74	kg/ha	
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Interval 8 interval 21 days Set to 0 or delete line for single app.
 app. rate 8 apprate 6.74 kg/ha
 Interval 9 interval 21 days Set to 0 or delete line for single app.
 app. rate 9 apprate 6.74 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single app.
 app. rate 10 apprate 6.74 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single app.
 app. rate 11 apprate 6.74 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single app.
 app. rate 12 apprate 6.74 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single app.
 app. rate 13 apprate 6.74 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 6.74 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 6.74 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 6.74 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as Christmas.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	92.41	90.41	84.46	77.39	70.82	45.82
1962	57.11	56.03	53.79	49.14	47.37	36.6
1963	49.29	48.35	44.83	40.74	37.67	33.18
1964	123	121	113	101	94.53	54.44
1965	62.41	61.33	56.66	49.79	46.73	32.63
1966	201	197	180	119	90.75	59.67
1967	156	153	145	137	132	89.23
1968	120	118	112	103	98.33	58.42
1969	79.65	78.33	74.37	69.09	65.73	43.55

1970	154	150	140	136	125	69.11
1971	73.01	71.65	68.45	62.65	62.74	49.95
1972	56.29	55.2	51.85	50.86	48.82	35.44
1973	99.97	98.46	92.47	77.17	61.38	34.69
1974	142	140	129	110	98.87	64.66
1975	258	254	235	180	140	64.38
1976	199	196	184	161	147	77.11
1977	71.91	70.54	65.54	64	59.8	33.23
1978	58.53	57.44	54.15	52.78	52.61	37.6
1979	80.58	79.11	73.08	64.08	53.5	35.04
1980	79.49	77.91	72.19	63.24	59.41	42.81
1981	69.52	68.2	62.95	58.74	55.17	39.19
1982	97.48	96.69	89.82	73.74	58.49	40.71
1983	137	134	125	119	109	78.9
1984	87.08	85.59	81.35	71.64	67.71	52.39
1985	77.13	75.53	71.58	63.44	59.91	43.43
1986	67.63	66.56	61.84	57.52	54.17	39.04
1987	130	128	119	70.51	56.19	43.55
1988	103	101	96.34	84.26	75.66	50.84
1989	68.2	67.03	62.48	60.73	57.8	43.52
1990	69.07	67.53	62.72	52.82	51.39	40.56

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	258	254	235	180	147	89.23
0.0645161290322581		201	197	184	161	140 78.9
0.0967741935483871		199	196	180	137	132 77.11
0.129032258064516	156	153	145	136	125	69.11
0.161290322580645	154	150	140	119	109	64.66
0.193548387096774	142	140	129	119	98.87	64.38
0.225806451612903	137	134	125	110	98.33	59.67
0.258064516129032	130	128	119	103	94.53	58.42
0.290322580645161	123	121	113	101	90.75	54.44
0.32258064516129	120	118	112	84.26	75.66	52.39
0.354838709677419	103	101	96.34	77.39	70.82	50.84
0.387096774193548	99.97	98.46	92.47	77.17	67.71	49.95
0.419354838709677	97.48	96.69	89.82	73.74	65.73	45.82
0.451612903225806	92.41	90.41	84.46	71.64	62.74	43.55
0.483870967741936	87.08	85.59	81.35	70.51	61.38	43.55
0.516129032258065	80.58	79.11	74.37	69.09	59.91	43.52
0.548387096774194	79.65	78.33	73.08	64.08	59.8	43.43
0.580645161290323	79.49	77.91	72.19	64	59.41	42.81
0.612903225806452	77.13	75.53	71.58	63.44	58.49	40.71
0.645161290322581	73.01	71.65	68.45	63.24	57.8	40.56
0.67741935483871	71.91	70.54	65.54	62.65	56.19	39.19
0.709677419354839	69.52	68.2	62.95	60.73	55.17	39.04
0.741935483870968	69.07	67.53	62.72	58.74	54.17	37.6
0.774193548387097	68.2	67.03	62.48	57.52	53.5	36.6
0.806451612903226	67.63	66.56	61.84	52.82	52.61	35.44
0.838709677419355	62.41	61.33	56.66	52.78	51.39	35.04
0.870967741935484	58.53	57.44	54.15	50.86	48.82	34.69
0.903225806451613	57.11	56.03	53.79	49.79	47.37	33.23
0.935483870967742	56.29	55.2	51.85	49.14	46.73	33.18
0.967741935483871	49.29	48.35	44.83	40.74	37.67	32.63
0.1	194.7	191.7	176.5	136.9	131.3	76.31

Average of yearly averages:

48.9896666666667

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Christmas

Metfile: w24283.dvf

PRZM scenario: CAForestryRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate: TAPP		6.74	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift DRFT	0.01	fraction of application rate applied to pond		
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Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	6.74	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	6.74	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	6.74	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	6.74	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	6.74	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	6.74	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	6.74	kg/ha	
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Interval 8	interval	21	days	Set to 0 or delete line for single app.
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app. rate 8	apprate	6.74	kg/ha	
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Interval 9	interval	21	days	Set to 0 or delete line for single app.
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app. rate 9 apprate 6.74 kg/ha
 Interval 10 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 10 apprate 6.74 kg/ha
 Interval 11 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 11 apprate 6.74 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 12 apprate 6.74 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 13 apprate 6.74 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 14 apprate 6.74 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 15 apprate 6.74 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 16 apprate 6.74 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as Airport.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2160	2110	1940	1410	1190	919
1962	3080	3040	2820	2600	2350	1340
1963	3260	3200	2920	2730	2470	1500
1964	1920	1880	1720	1510	1150	966
1965	2650	2590	2380	2130	1970	1360
1966	3490	3450	3180	2870	2740	1520
1967	3730	3650	3350	2930	2900	1840
1968	2280	2220	2030	2020	1900	1220
1969	2880	2810	2570	2500	2360	1330
1970	2540	2490	2320	2040	1830	1060
1971	1910	1860	1700	1480	1310	787
1972	3380	3340	3060	2570	2100	941
1973	3320	3260	3020	2810	2760	1560
1974	3040	2990	2750	2390	2310	1350

1975	2060	2010	1880	1670	1630	1150
1976	1520	1490	1350	1050	979	661
1977	3150	3090	2800	2390	2190	1320
1978	3330	3260	3010	2680	2380	1330
1979	3510	3460	3150	2890	2770	1620
1980	2650	2610	2420	2070	1970	1110
1981	3270	3200	2930	2380	1810	945
1982	2860	2790	2540	2390	2300	1490
1983	3060	3020	2820	2530	2480	1520
1984	1810	1780	1650	1570	1540	1080
1985	1830	1790	1680	1410	1330	895
1986	2770	2740	2510	2270	2100	1030
1987	2350	2310	2090	1770	1690	1020
1988	2650	2610	2420	2060	1890	1260
1989	3140	3060	2740	2430	2240	1280
1990	2680	2630	2420	2340	2220	1180

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	3730	3650	3350	2930	2900	1840
0.0645161290322581		3510	3460	3180	2890	2770
0.0967741935483871		3490	3450	3150	2870	2760
0.129032258064516	3380	3340	3060	2810	2740	1520
0.161290322580645	3330	3260	3020	2730	2480	1520
0.193548387096774	3320	3260	3010	2680	2470	1500
0.225806451612903	3270	3200	2930	2600	2380	1490
0.258064516129032	3260	3200	2920	2570	2360	1360
0.290322580645161	3150	3090	2820	2530	2350	1350
0.32258064516129	3140	3060	2820	2500	2310	1340
0.354838709677419	3080	3040	2800	2430	2300	1330
0.387096774193548	3060	3020	2750	2390	2240	1330
0.419354838709677	3040	2990	2740	2390	2220	1320
0.451612903225806	2880	2810	2570	2390	2190	1280
0.483870967741936	2860	2790	2540	2380	2100	1260
0.516129032258065	2770	2740	2510	2340	2100	1220
0.548387096774194	2680	2630	2420	2270	1970	1180
0.580645161290323	2650	2610	2420	2130	1970	1150
0.612903225806452	2650	2610	2420	2070	1900	1110
0.645161290322581	2650	2590	2380	2060	1890	1080
0.67741935483871	2540	2490	2320	2040	1830	1060
0.709677419354839	2350	2310	2090	2020	1810	1030
0.741935483870968	2280	2220	2030	1770	1690	1020
0.774193548387097	2160	2110	1940	1670	1630	966
0.806451612903226	2060	2010	1880	1570	1540	945
0.838709677419355	1920	1880	1720	1510	1330	941
0.870967741935484	1910	1860	1700	1480	1310	919
0.903225806451613	1830	1790	1680	1410	1190	895
0.935483870967742	1810	1780	1650	1410	1150	787
0.967741935483871	1520	1490	1350	1050	979	661

0.1	3479	3439	3141	2864	2758	1556
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Average of yearly averages:

1219.4666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Airport

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	13.47	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
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Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	13.47	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	13.47	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	13.47	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	13.47	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	13.47	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	13.47	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	13.47	kg/ha	
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Interval 8	interval	21	days	Set to 0 or delete line for single app.
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app. rate 8	apprate	13.47	kg/ha	
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Interval 9	interval	21	days	Set to 0 or delete line for single app.
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app. rate 9	apprate	13.47	kg/ha	
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Interval 10	interval	21	days	Set to 0 or delete line for single app.
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app. rate 10	apprate	13.47	kg/ha	
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Interval 11	interval	21	days	Set to 0 or delete line for single app.
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app. rate 11 apprate 13.47 kg/ha
 Interval 12 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 12 apprate 13.47 kg/ha
 Interval 13 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 13 apprate 13.47 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 14 apprate 13.47 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 15 apprate 13.47 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 16 apprate 13.47 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as AgROWG-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	96.84	94.77	89.32	80.76	79.8	66.38
1962	256	250	230	193	179	133
1963	265	260	242	221	221	144
1964	147	145	135	116	107	87.94
1965	137	136	91.67	82.7	81.79	78.75
1966	138	136	127	122	114	93.99
1967	253	247	234	203	193	125
1968	160	157	147	136	130	99.46
1969	138	136	129	122	114	93.31
1970	124	122	117	99.37	95.68	89.06
1971	114	111	106	98.96	97.45	86.05
1972	186	183	169	148	138	84.92
1973	170	167	159	157	151	116
1974	183	179	164	142	134	103
1975	133	130	126	116	112	92.42
1976	148	101	98.02	91.53	89.92	77.34
1977	225	219	199	167	154	114
1978	245	240	224	197	182	126
1979	243	238	225	202	187	129
1980	180	177	167	158	153	111

1981	212	208	189	159	133	108
1982	473	462	418	368	344	213
1983	240	235	219	201	194	131
1984	125	122	112	97.86	91.72	84.96
1985	126	123	115	94.37	91.45	86.79
1986	214	209	192	180	168	113
1987	129	126	116	105	101	90.09
1988	105	103	96.67	93.71	92.23	81.17
1989	97.42	94.95	89.45	85.43	83.22	75.82
1990	118	115	105	97.66	95.33	83.59

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129	473	462	418	368	344	213	
0.0645161290322581		265	260	242	221	221	144
0.0967741935483871		256	250	234	203	194	133
0.129032258064516	253	247	230	202	193	131	
0.161290322580645	245	240	225	201	187	129	
0.193548387096774	243	238	224	197	182	126	
0.225806451612903	240	235	219	193	179	125	
0.258064516129032	225	219	199	180	168	116	
0.290322580645161	214	209	192	167	154	114	
0.32258064516129	212	208	189	159	153	113	
0.354838709677419	186	183	169	158	151	111	
0.387096774193548	183	179	167	157	138	108	
0.419354838709677	180	177	164	148	134	103	
0.451612903225806	170	167	159	142	133	99.46	
0.483870967741936	160	157	147	136	130	93.99	
0.516129032258065	148	145	135	122	114	93.31	
0.548387096774194	147	136	129	122	114	92.42	
0.580645161290323	138	136	127	116	112	90.09	
0.612903225806452	138	136	126	116	107	89.06	
0.645161290322581	137	130	117	105	101	87.94	
0.67741935483871	133	126	116	99.37	97.45	86.79	
0.709677419354839	129	123	115	98.96	95.68	86.05	
0.741935483870968	126	122	112	97.86	95.33	84.96	
0.774193548387097	125	122	106	97.66	92.23	84.92	
0.806451612903226	124	115	105	94.37	91.72	83.59	
0.838709677419355	118	111	98.02	93.71	91.45	81.17	
0.870967741935484	114	103	96.67	91.53	89.92	78.75	
0.903225806451613	105	101	91.67	85.43	83.22	77.34	
0.935483870967742	97.42	94.95	89.45	82.7	81.79	75.82	
0.967741935483871	96.84	94.77	89.32	80.76	79.8	66.38	

0.1 255.7 249.7 233.6 202.9 193.9 132.8

Average of yearly averages:

103.934666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROWG-R

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description Variable Name Value Units Comments

Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	10.10	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	2-1	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	10.10	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	10.10	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	10.10	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	10.10	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	10.10	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	10.10	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	10.10	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	10.10	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	10.10	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	10.10	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	10.10	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	10.10	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.

app. rate 13 apprate 10.10 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 14 apprate 10.10 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 15 apprate 10.10 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single
 app.
 app. rate 16 apprate 10.10 kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as AgROWG-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February
 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1620	1580	1460	1060	892	689
1962	2310	2280	2110	1950	1760	1000
1963	2440	2400	2190	2050	1850	1120
1964	1440	1410	1290	1130	864	724
1965	1990	1940	1780	1600	1480	1020
1966	2620	2590	2380	2150	2050	1140
1967	2800	2730	2510	2200	2180	1380
1968	1710	1660	1530	1510	1420	916
1969	2160	2100	1930	1870	1770	996
1970	1900	1870	1740	1530	1370	793
1971	1430	1400	1280	1110	985	590
1972	2540	2500	2290	1930	1570	705
1973	2490	2440	2260	2100	2070	1170
1974	2280	2250	2060	1790	1730	1010
1975	1540	1500	1410	1250	1220	860
1976	1140	1110	1010	787	734	496
1977	2360	2310	2100	1790	1640	991
1978	2500	2450	2260	2010	1780	996
1979	2630	2600	2370	2160	2080	1210
1980	1990	1960	1820	1550	1470	830
1981	2450	2400	2200	1790	1360	709
1982	2140	2090	1910	1790	1730	1120
1983	2300	2270	2110	1900	1860	1140
1984	1360	1340	1240	1180	1150	809
1985	1370	1340	1260	1060	1000	671
1986	2080	2050	1880	1700	1580	771

1987	1770	1730	1570	1330	1270	767
1988	1990	1960	1810	1550	1420	941
1989	2350	2300	2060	1820	1680	960
1990	2010	1970	1810	1750	1660	881

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2800	2730	2510	2200	2180	1380
0.0645161290322581		2630	2600	2380	2160	2080
0.0967741935483871		2620	2590	2370	2150	2070
0.129032258064516	2540	2500	2290	2100	2050	1140
0.161290322580645	2500	2450	2260	2050	1860	1140
0.193548387096774	2490	2440	2260	2010	1850	1120
0.225806451612903	2450	2400	2200	1950	1780	1120
0.258064516129032	2440	2400	2190	1930	1770	1020
0.290322580645161	2360	2310	2110	1900	1760	1010
0.32258064516129	2350	2300	2110	1870	1730	1000
0.354838709677419	2310	2280	2100	1820	1730	996
0.387096774193548	2300	2270	2060	1790	1680	996
0.419354838709677	2280	2250	2060	1790	1660	991
0.451612903225806	2160	2100	1930	1790	1640	960
0.483870967741936	2140	2090	1910	1790	1580	941
0.516129032258065	2080	2050	1880	1750	1570	916
0.548387096774194	2010	1970	1820	1700	1480	881
0.580645161290323	1990	1960	1810	1600	1470	860
0.612903225806452	1990	1960	1810	1550	1420	830
0.645161290322581	1990	1940	1780	1550	1420	809
0.67741935483871	1900	1870	1740	1530	1370	793
0.709677419354839	1770	1730	1570	1510	1360	771
0.741935483870968	1710	1660	1530	1330	1270	767
0.774193548387097	1620	1580	1460	1250	1220	724
0.806451612903226	1540	1500	1410	1180	1150	709
0.838709677419355	1440	1410	1290	1130	1000	705
0.870967741935484	1430	1400	1280	1110	985	689
0.903225806451613	1370	1340	1260	1060	892	671
0.935483870967742	1360	1340	1240	1060	864	590
0.967741935483871	1140	1110	1010	787	734	496

0.1 2612 2581 2362 2145 2068 1167

Average of yearly averages: 913.5

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROWG-I

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	10.10	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	2-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	10.10	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	10.10	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	10.10	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	10.10	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	10.10	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	10.10	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	10.10	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	10.10	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	10.10	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	10.10	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	10.10	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	10.10	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	10.10	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	10.10	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	10.10	kg/ha	

Interval 16 interval 21 days Set to 0 or delete line for single app.

app. rate 16 apprate 10.10 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as AgROWA-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	16.33	16.1	14.7	12.62	11.6	4.7
1962	16.58	16.27	15.4	13.43	12.72	5.397
1963	25.27	24.69	22.8	18.97	16.52	7.231
1964	31.5	31.02	28.14	22.14	19.01	7.614
1965	19.82	19.5	18.06	15.05	13.05	5.087
1966	14.42	14.07	13.15	12.43	11.22	4.472
1967	62.61	61.6	57.77	47.06	40.88	16.38
1968	24.16	23.63	21.92	19.48	17.73	7.225
1969	26.68	26.23	24.83	20.88	18.4	7.367
1970	28.4	27.93	26.91	22.18	19.18	7.452
1971	13.29	12.96	11.83	9.881	8.88	3.591
1972	12.93	12.61	11.39	9.347	8.224	3.202
1973	32.7	31.98	29.6	25.55	22.59	8.862
1974	24.86	24.3	22.17	18.22	16	6.201
1975	15.3	14.94	13.71	12.01	11.17	4.636
1976	13.03	12.7	11.44	9.422	8.844	3.66
1977	35.31	34.43	31.06	25.2	21.76	8.335
1978	29.69	29.38	27.41	24.23	21.55	8.579
1979	32.37	31.93	29.3	25.1	22.35	8.963
1980	24.68	24.14	22.06	18.69	16.55	6.575
1981	23.35	22.83	20.93	17.54	15.68	6.392
1982	116	113	102	82.23	71.15	27.36
1983	24.94	24.38	22.76	19.35	17.52	7.391
1984	13.39	13.06	11.78	9.882	8.704	3.307
1985	12.89	12.57	11.33	10.62	9.837	4.001
1986	18.3	17.91	16.38	14.54	13.11	5.177
1987	24.14	23.57	21.38	18.14	16.15	6.402
1988	15.65	15.3	14.53	12.74	11.05	4.178
1989	12.96	12.63	11.34	9.171	8.058	3.155
1990	14.43	14.08	12.88	11.57	10.43	4.17

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	116	113	102	82.23	71.15	27.36
0.0645161290322581		62.61	61.6	57.77	47.06	40.88
0.0967741935483871		35.31	34.43	31.06	25.55	22.59
0.129032258064516	32.7	31.98	29.6	25.2	22.35	8.862
0.161290322580645	32.37	31.93	29.3	25.1	21.76	8.579
0.193548387096774	31.5	31.02	28.14	24.23	21.55	8.335
0.225806451612903	29.69	29.38	27.41	22.18	19.18	7.614
0.258064516129032	28.4	27.93	26.91	22.14	19.01	7.452
0.290322580645161	26.68	26.23	24.83	20.88	18.4	7.391
0.32258064516129	25.27	24.69	22.8	19.48	17.73	7.367
0.354838709677419	24.94	24.38	22.76	19.35	17.52	7.231
0.387096774193548	24.86	24.3	22.17	18.97	16.55	7.225
0.419354838709677	24.68	24.14	22.06	18.69	16.52	6.575
0.451612903225806	24.16	23.63	21.92	18.22	16.15	6.402
0.483870967741936	24.14	23.57	21.38	18.14	16	6.392
0.516129032258065	23.35	22.83	20.93	17.54	15.68	6.201
0.548387096774194	19.82	19.5	18.06	15.05	13.11	5.397
0.580645161290323	18.3	17.91	16.38	14.54	13.05	5.177
0.612903225806452	16.58	16.27	15.4	13.43	12.72	5.087
0.645161290322581	16.33	16.1	14.7	12.74	11.6	4.7
0.67741935483871	15.65	15.3	14.53	12.62	11.22	4.636
0.709677419354839	15.3	14.94	13.71	12.43	11.17	4.472
0.741935483870968	14.43	14.08	13.15	12.01	11.05	4.178
0.774193548387097	14.42	14.07	12.88	11.57	10.43	4.17
0.806451612903226	13.39	13.06	11.83	10.62	9.837	4.001
0.838709677419355	13.29	12.96	11.78	9.882	8.88	3.66
0.870967741935484	13.03	12.7	11.44	9.881	8.844	3.591
0.903225806451613	12.96	12.63	11.39	9.422	8.704	3.307
0.935483870967742	12.93	12.61	11.34	9.347	8.224	3.202
0.967741935483871	12.89	12.57	11.33	9.171	8.058	3.155

0.1	35.049	34.185	30.914	25.515	22.566
	8.9529				

Average of yearly averages:

6.90206666666666

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROWA-R

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		256.47	g/mol	
Henry's Law Const.	henry		9.66E-10	atm-m ³ /mol	
Vapor Pressure	vapr		1.26E-6	torr	
Solubility	sol	440	mg/L		
Kd	Kd		mg/L		
Koc	Koc	59.25	mg/L		
Photolysis half-life	kdp		0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw		426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs		0	days	Halfife
Aerobic Soil Metabolism	asm		28.39	days	Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life

Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 5.05 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mm

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as AgROWA-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February
 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	164	160	147	119	102	38.94
1962	148	146	133	110	97.14	37.94
1963	210	206	189	155	135	52.72
1964	56.61	55.49	51.21	40.89	35.2	13.85
1965	427	423	391	318	274	105
1966	322	314	286	239	208	79.76
1967	562	550	500	406	353	136
1968	316	309	290	242	211	80.13
1969	133	131	124	105	91.37	35.2
1970	115	113	106	87.06	74.62	27.99
1971	120	117	106	85.29	73.48	28.14
1972	52.71	51.62	47.81	39.3	33.9	13.57
1973	488	480	440	366	319	120
1974	515	509	467	379	329	125
1975	125	122	112	92.2	80.41	31.44
1976	132	129	116	98.87	86.32	33.22
1977	614	603	546	440	377	142
1978	232	227	210	175	155	61.09
1979	129	128	118	97.21	85.09	33.03
1980	128	126	116	95.93	82.93	31.95
1981	32.74	32.15	29.46	25.98	23.36	9.184
1982	310	302	273	219	190	72.93
1983	208	205	188	160	141	55.16
1984	93.38	91.41	82.79	67.55	58.03	21.86
1985	177	173	156	128	110	41.37
1986	262	257	236	195	169	63.93
1987	488	481	440	356	308	117
1988	155	152	139	113	96.28	35.83
1989	193	189	171	138	120	46

1990 316 310 282 228 196 74.18

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	614	603	546	440	377	142
0.0645161290322581		562	550	500	406	353
0.0967741935483871		515	509	467	379	329
0.129032258064516	488	481	440	366	319	120
0.161290322580645	488	480	440	356	308	117
0.193548387096774	427	423	391	318	274	105
0.225806451612903	322	314	290	242	211	80.13
0.258064516129032	316	310	286	239	208	79.76
0.290322580645161	316	309	282	228	196	74.18
0.32258064516129	310	302	273	219	190	72.93
0.354838709677419	262	257	236	195	169	63.93
0.387096774193548	232	227	210	175	155	61.09
0.419354838709677	210	206	189	160	141	55.16
0.451612903225806	208	205	188	155	135	52.72
0.483870967741936	193	189	171	138	120	46
0.516129032258065	177	173	156	128	110	41.37
0.548387096774194	164	160	147	119	102	38.94
0.580645161290323	155	152	139	113	97.14	37.94
0.612903225806452	148	146	133	110	96.28	35.83
0.645161290322581	133	131	124	105	91.37	35.2
0.67741935483871	132	129	118	98.87	86.32	33.22
0.709677419354839	129	128	116	97.21	85.09	33.03
0.741935483870968	128	126	116	95.93	82.93	31.95
0.774193548387097	125	122	112	92.2	80.41	31.44
0.806451612903226	120	117	106	87.06	74.62	28.14
0.838709677419355	115	113	106	85.29	73.48	27.99
0.870967741935484	93.38	91.41	82.79	67.55	58.03	21.86
0.903225806451613	56.61	55.49	51.21	40.89	35.2	13.85
0.935483870967742	52.71	51.62	47.81	39.3	33.9	13.57
0.967741935483871	32.74	32.15	29.46	25.98	23.36	9.184

0.1 512.3 506.2 464.3 377.7 328 124.5

Average of yearly averages: 58.8138

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROWA-I

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		256.47	g/mol	
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Henry's Law Const.	henry		9.66E-10	atm-m^3/mol	
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Vapor Pressure	vapr		1.26E-6	torr	
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Solubility	sol	440	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	59.25	mg/L		
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Photolysis half-life	kdp	0.375	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife	
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Aerobic Soil Metabolism	asm	28.39	days	Halfife	
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Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 5.05 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 2-1 dd/mm or dd/mm or dd-mm or dd-mm

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

stored as AgFarmStruc.out

Chemical: Triclopyr

PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26
 March 2008 at 09:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	27.78	27.14	25.74	23.98	23.72	18.28
1962	64.19	63.33	59.31	53.91	48.91	34.17
1963	99.99	97.73	90.63	80.39	80.69	47.69
1964	64.12	62.87	58.2	49.43	44.57	28.81
1965	35.34	34.71	33.02	31.1	29.53	23.62
1966	52.47	51.56	48.01	41.46	32.73	24.64
1967	85.13	83.4	78.42	69.48	65.95	38.5
1968	38.62	37.84	36.52	35.71	34.05	23.74
1969	41.82	41.08	39.48	37.51	36.64	25.34
1970	32.64	32.05	30.49	29.59	28.51	21.75
1971	28.88	28.29	25.98	24.93	24.87	19.67
1972	31.41	30.82	29.06	26.42	23.41	19.51
1973	51.02	49.88	47.36	42.31	40.28	28.51
1974	34.7	33.99	31.75	30.12	30.36	23.62
1975	42.54	41.67	38.35	37.45	35.47	24.06
1976	26.86	26.19	24.21	22.15	21.1	17.58
1977	40.94	40.2	37.73	30.07	25.91	22.78
1978	57.78	56.59	52.73	50.78	48.57	30.86
1979	45.76	44.74	40.72	40.03	38.38	27.83
1980	56.01	55.3	52.45	47.36	44.33	29.03
1981	61.94	61.17	57.83	52.93	51.39	35.22
1982	77.95	76.45	70.64	65.75	63.47	43.29
1983	66.22	64.98	61.92	58.74	57.87	39.26
1984	36.63	35.88	32.92	30.69	29.05	21.55
1985	38.42	37.75	36.12	27.7	26.07	21.67
1986	54.16	53.18	50.01	47.83	45.34	28.35
1987	50.47	49.32	44.89	39.8	37.54	26.31

1988	39.36	38.57	36.22	33.11	30.67	24.45
1989	56.82	55.2	50.19	46.57	45.09	28.03
1990	71.22	69.58	63.9	57	54.61	33.88

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	99.99	97.73	90.63	80.39	80.69	47.69
0.0645161290322581		85.13	83.4	78.42	69.48	65.95
0.0967741935483871		77.95	76.45	70.64	65.75	63.47
0.129032258064516	71.22	69.58	63.9	58.74	57.87	38.5
0.161290322580645	66.22	64.98	61.92	57	54.61	35.22
0.193548387096774	64.19	63.33	59.31	53.91	51.39	34.17
0.225806451612903	64.12	62.87	58.2	52.93	48.91	33.88
0.258064516129032	61.94	61.17	57.83	50.78	48.57	30.86
0.290322580645161	57.78	56.59	52.73	49.43	45.34	29.03
0.32258064516129	56.82	55.3	52.45	47.83	45.09	28.81
0.354838709677419	56.01	55.2	50.19	47.36	44.57	28.51
0.387096774193548	54.16	53.18	50.01	46.57	44.33	28.35
0.419354838709677	52.47	51.56	48.01	42.31	40.28	28.03
0.451612903225806	51.02	49.88	47.36	41.46	38.38	27.83
0.483870967741936	50.47	49.32	44.89	40.03	37.54	26.31
0.516129032258065	45.76	44.74	40.72	39.8	36.64	25.34
0.548387096774194	42.54	41.67	39.48	37.51	35.47	24.64
0.580645161290323	41.82	41.08	38.35	37.45	34.05	24.45
0.612903225806452	40.94	40.2	37.73	35.71	32.73	24.06
0.645161290322581	39.36	38.57	36.52	33.11	30.67	23.74
0.67741935483871	38.62	37.84	36.22	31.1	30.36	23.62
0.709677419354839	38.42	37.75	36.12	30.69	29.53	23.62
0.741935483870968	36.63	35.88	33.02	30.12	29.05	22.78
0.774193548387097	35.34	34.71	32.92	30.07	28.51	21.75
0.806451612903226	34.7	33.99	31.75	29.59	26.07	21.67
0.838709677419355	32.64	32.05	30.49	27.7	25.91	21.55
0.870967741935484	31.41	30.82	29.06	26.42	24.87	19.67
0.903225806451613	28.88	28.29	25.98	24.93	23.72	19.51
0.935483870967742	27.78	27.14	25.74	23.98	23.41	18.28
0.967741935483871	26.86	26.19	24.21	22.15	21.1	17.58

0.1	77.277	75.763	69.966	65.049	62.91	39.184
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Average of yearly averages:

27.7333333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgFarmStruc

Metfile: w23232.dvf

PRZM scenario: CARangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m^3/mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd	mg/L		
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0	days	Half-life	
Hydrolysis: pH 7	0	days	Half-life	
Hydrolysis: pH 9	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.68	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of	application rate applied to pond
Application Date	Date	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	1.68	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	1.68	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	1.68	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	1.68	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	1.68	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	1.68	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	1.68	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	1.68	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	1.68	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	1.68	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	1.68	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	1.68	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	1.68	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	1.68	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	1.68	kg/ha	

Interval 16 interval 21 days Set to 0 or delete line for single app.

app. rate 16 apprate 1.68 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as AgFarmPrem.out

Chemical: Triclopyr

PRZM environment: CARangelandhayRLF_V2.txt modified Wedday, 26 March 2008 at 09:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	266	262	247	227	217	116
1962	765	753	698	591	517	311
1963	1140	1120	1030	871	875	461
1964	670	663	614	496	431	225
1965	305	299	279	247	222	154
1966	546	536	498	416	294	175
1967	993	973	914	784	731	358
1968	364	356	333	317	292	157
1969	376	369	352	320	308	174
1970	260	256	246	231	215	130
1971	204	199	184	162	158	95.12
1972	244	239	221	188	149	95.34
1973	513	503	467	396	368	209
1974	245	242	229	206	210	134
1975	260	255	248	216	204	118
1976	169	164	155	129	114	72.29
1977	402	395	363	252	193	149
1978	577	565	527	501	479	254
1979	442	432	391	380	356	220
1980	580	574	536	451	419	214
1981	711	695	635	509	424	280
1982	1200	1180	1080	955	891	506
1983	726	712	667	612	599	368
1984	333	326	301	259	233	125
1985	352	344	325	211	159	115
1986	651	642	593	529	491	239
1987	261	255	239	224	194	140
1988	355	346	320	269	235	163
1989	637	618	551	498	473	225
1990	965	942	856	795	735	357

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	1200	1180	1080	955	891	506	
0.0645161290322581		1140	1120	1030	871	875	461
0.0967741935483871		993	973	914	795	735	368
0.129032258064516	965	942	856	784	731	358	
0.161290322580645	765	753	698	612	599	357	
0.193548387096774	726	712	667	591	517	311	
0.225806451612903	711	695	635	529	491	280	
0.258064516129032	670	663	614	509	479	254	
0.290322580645161	651	642	593	501	473	239	
0.32258064516129	637	618	551	498	431	225	
0.354838709677419	580	574	536	496	424	225	
0.387096774193548	577	565	527	451	419	220	
0.419354838709677	546	536	498	416	368	214	
0.451612903225806	513	503	467	396	356	209	
0.483870967741936	442	432	391	380	308	175	
0.516129032258065	402	395	363	320	294	174	
0.548387096774194	376	369	352	317	292	163	
0.580645161290323	364	356	333	269	235	157	
0.612903225806452	355	346	325	259	233	154	
0.645161290322581	352	344	320	252	222	149	
0.67741935483871	333	326	301	247	217	140	
0.709677419354839	305	299	279	231	215	134	
0.741935483870968	266	262	248	227	210	130	
0.774193548387097	261	256	247	224	204	125	
0.806451612903226	260	255	246	216	194	118	
0.838709677419355	260	255	239	211	193	116	
0.870967741935484	245	242	229	206	159	115	
0.903225806451613	244	239	221	188	158	95.34	
0.935483870967742	204	199	184	162	149	95.12	
0.967741935483871	169	164	155	129	114	72.29	

0.1 990.2 969.9 908.2 793.9 734.6 367

Average of yearly averages: 211.325

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgFarmPrem

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	256.47	g/mol	
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Henry's Law Const.	henry	9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr	1.26E-6	torr	
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Solubility	sol	440	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	59.25	mg/L	
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Photolysis half-life	kdp	0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	cm
Application Rate:	TAPP 22.45	kg/ha
Application Efficiency:	APPEFF	0.99 fraction
Spray Drift	DRFT 0.01	fraction of application rate applied to pond
Application Date	Date 2-1	dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1	interval 21	days Set to 0 or delete line for single app.
app. rate 1	apprate 22.45	kg/ha
Interval 2	interval 21	days Set to 0 or delete line for single app.
app. rate 2	apprate 22.45	kg/ha
Interval 3	interval 21	days Set to 0 or delete line for single app.
app. rate 3	apprate 22.45	kg/ha
Interval 4	interval 21	days Set to 0 or delete line for single app.
app. rate 4	apprate 22.45	kg/ha
Interval 5	interval 21	days Set to 0 or delete line for single app.
app. rate 5	apprate 22.45	kg/ha
Interval 6	interval 21	days Set to 0 or delete line for single app.
app. rate 6	apprate 22.45	kg/ha
Interval 7	interval 21	days Set to 0 or delete line for single app.
app. rate 7	apprate 22.45	kg/ha
Interval 8	interval 21	days Set to 0 or delete line for single app.
app. rate 8	apprate 22.45	kg/ha
Interval 9	interval 21	days Set to 0 or delete line for single app.
app. rate 9	apprate 22.45	kg/ha
Interval 10	interval 21	days Set to 0 or delete line for single app.
app. rate 10	apprate 22.45	kg/ha
Interval 11	interval 21	days Set to 0 or delete line for single app.
app. rate 11	apprate 22.45	kg/ha
Interval 12	interval 21	days Set to 0 or delete line for single app.
app. rate 12	apprate 22.45	kg/ha
Interval 13	interval 21	days Set to 0 or delete line for single app.
app. rate 13	apprate 22.45	kg/ha
Interval 14	interval 21	days Set to 0 or delete line for single app.
app. rate 14	apprate 22.45	kg/ha
Interval 15	interval 21	days Set to 0 or delete line for single app.
app. rate 15	apprate 22.45	kg/ha
Interval 16	interval 21	days Set to 0 or delete line for single app.
app. rate 16	apprate 22.45	kg/ha
Record 17:	FILTRA	
	IPSCND	1
	UPTKF	
Record 18:	PLVKRT	

PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

 stored as AgFarmPrem.out
 Chemical: Triclopyr
 PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26
 March 2008 at 09:38:02
 EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
 06:14:08
 Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	37.2	36.35	34.47	32.12	31.77	24.48
1962	85.95	84.81	79.42	72.19	65.5	45.76
1963	134	131	121	108	108	63.88
1964	85.87	84.2	77.95	66.2	59.69	38.58
1965	47.33	46.48	44.22	41.66	39.55	31.63
1966	70.27	69.04	64.29	55.52	43.83	32.99
1967	114	112	105	93.04	88.32	51.56
1968	51.72	50.67	48.91	47.83	45.6	31.79
1969	56	55.01	52.86	50.23	49.07	33.94
1970	43.71	42.92	40.83	39.63	38.18	29.12
1971	38.67	37.88	34.79	33.38	33.31	26.35
1972	42.08	41.29	38.92	35.39	31.35	26.13
1973	68.33	66.81	63.43	56.66	53.95	38.19
1974	46.47	45.52	42.52	40.34	40.67	31.64
1975	56.98	55.81	51.36	50.16	47.51	32.23
1976	35.96	35.08	32.42	29.66	28.26	23.54
1977	54.83	53.84	50.53	40.27	34.7	30.51
1978	77.38	75.79	70.61	68	65.05	41.33
1979	61.29	59.91	54.53	53.61	51.4	37.27
1980	75.01	74.07	70.24	63.43	59.37	38.87
1981	82.96	81.93	77.46	70.89	68.83	47.17
1982	104	102	94.61	88.06	85	57.98
1983	88.68	87.02	82.92	78.67	77.5	52.57
1984	49.06	48.05	44.09	41.1	38.91	28.86
1985	51.46	50.55	48.37	37.09	34.91	29.03
1986	72.53	71.22	66.97	64.05	60.72	37.97
1987	67.6	66.06	60.12	53.3	50.28	35.24
1988	52.71	51.66	48.51	44.34	41.07	32.75
1989	76.1	73.93	67.22	62.36	60.38	37.53
1990	95.38	93.18	85.58	76.33	73.13	45.37

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	134	131	121	108	108	63.88
0.0645161290322581		114	112	105	93.04	88.32
0.0967741935483871		104	102	94.61	88.06	85
0.129032258064516	95.38	93.18	85.58	78.67	77.5	51.56
0.161290322580645	88.68	87.02	82.92	76.33	73.13	47.17
0.193548387096774	85.95	84.81	79.42	72.19	68.83	45.76
0.225806451612903	85.87	84.2	77.95	70.89	65.5	45.37

0.258064516129032	82.96	81.93	77.46	68	65.05	41.33
0.290322580645161	77.38	75.79	70.61	66.2	60.72	38.87
0.32258064516129	76.1	74.07	70.24	64.05	60.38	38.58
0.354838709677419	75.01	73.93	67.22	63.43	59.69	38.19
0.387096774193548	72.53	71.22	66.97	62.36	59.37	37.97
0.419354838709677	70.27	69.04	64.29	56.66	53.95	37.53
0.451612903225806	68.33	66.81	63.43	55.52	51.4	37.27
0.483870967741936	67.6	66.06	60.12	53.61	50.28	35.24
0.516129032258065	61.29	59.91	54.53	53.3	49.07	33.94
0.548387096774194	56.98	55.81	52.86	50.23	47.51	32.99
0.580645161290323	56	55.01	51.36	50.16	45.6	32.75
0.612903225806452	54.83	53.84	50.53	47.83	43.83	32.23
0.645161290322581	52.71	51.66	48.91	44.34	41.07	31.79
0.67741935483871	51.72	50.67	48.51	41.66	40.67	31.64
0.709677419354839	51.46	50.55	48.37	41.1	39.55	31.63
0.741935483870968	49.06	48.05	44.22	40.34	38.91	30.51
0.774193548387097	47.33	46.48	44.09	40.27	38.18	29.12
0.806451612903226	46.47	45.52	42.52	39.63	34.91	29.03
0.838709677419355	43.71	42.92	40.83	37.09	34.7	28.86
0.870967741935484	42.08	41.29	38.92	35.39	33.31	26.35
0.903225806451613	38.67	37.88	34.79	33.38	31.77	26.13
0.935483870967742	37.2	36.35	34.47	32.12	31.35	24.48
0.967741935483871	35.96	35.08	32.42	29.66	28.26	23.54

0.1	103.138	101.118	93.707	87.121	84.25	52.469
Average of yearly averages:						37.142

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgFarmPrem

Metfile: w23232.dvf

PRZM scenario: CARangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	256.47	g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol
Vapor Pressure	vapr	1.26E-6	torr	
Solubility	sol	440	mg/L	
Kd	Kd		mg/L	
Koc	Koc	59.25	mg/L	
Photolysis half-life	kdp	0.375	days	Half-life
Aerobic Aquatic Metabolism	kbacw	426	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	28.39	days	Halfife
Hydrolysis: pH 5	0		days	Half-life
Hydrolysis: pH 7	0		days	Half-life
Hydrolysis: pH 9	0		days	Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	2.25	kg/ha	
Application Efficiency:	APPEFF	0.95	fraction	
Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
Application Date	Date	1-1	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	21	days	Set to 0 or delete line for single app.

app. rate 1	apprate	2.25	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 2	apprate	2.25	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 3	apprate	2.25	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 4	apprate	2.25	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 5	apprate	2.25	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 6	apprate	2.25	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 7	apprate	2.25	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 8	apprate	2.25	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 9	apprate	2.25	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 10	apprate	2.25	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 11	apprate	2.25	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 12	apprate	2.25	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 13	apprate	2.25	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 14	apprate	2.25	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 15	apprate	2.25	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single
app.				
app. rate 16	apprate	2.25	kg/ha	
Record 17: FILTRA				
	IPSCND	1		
	UPTKF			
Record 18: PLVKRT				
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run IR EPA Pond				
Flag for runoff calc. RUNOFF none none, monthly or				
total(average of entire run)				

stored as AgFallNAg.out

Chemical: Triclopyr

PRZM environment: CARangelandhayRLF_V2.txt modified Wedday, 26
March 2008 at 09:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	33.67	32.72	29.07 22.8	19.24 6.594		
1962	34.27	33.28	29.54 23.07	19.4 7.17		
1963	97.7	95.54	87.07 72.11	62.25 22.73		
1964	35.81	34.8	30.92 24.22	20.52 7.988		
1965	72.23	70.61	64.43 51.25	44.11 15.86		
1966	35.05	34.06	30.25 23.62	19.89 7.409		
1967	88.93	87.08	82.72 67.95	57.84 20.64		
1968	35.4	34.4	30.55 23.87	20.12 7.615		
1969	77.47	75.36	67.46 53	45.01 15.78		
1970	34.92	33.98	30.37 23.91	20.21 7.442		
1971	34.3	33.4	29.91 23.95	20.42 7.308		
1972	34.26	33.35	29.83 23.51	19.81 7.047		
1973	34.33	33.35	29.63 23.09	19.4 6.875		
1974	37.16	36.17	32.37 25.38	21.34 7.784		
1975	34.35	33.5	30.2 23.91	20.08 7.107		
1976	58.36	56.83	50.95 40.51	34.66 12.31		
1977	34.64	33.68	30.01 27.57	24.53 9.34		
1978	44.55	43.5	41.16 34.71	29.61 10.6		
1979	34.54	33.65	30.23 23.85	20.03 7.186		
1980	35.3	34.4	32.02 25.75	21.88 7.795		
1981	34.34	33.4	30.01 24.4	20.79 7.424		
1982	138	135	122 95.33	80.2 28.77		
1983	76.18	74.84	66.92 53.3	46.46 18.65		
1984	35.44	34.48	30.8 24.14	20.27 7.659		
1985	34.31	33.34	29.67 23.16	19.45 6.956		
1986	40.84	39.77	35.88 29.58	25.13 8.919		
1987	34.36	33.41	29.77 23.31	19.63 7.064		
1988	65.76	64.2	58.86 47.68	41.84 15.57		
1989	35.12	34.19	30.62 24.1	20.31 7.763		
1990	34.39	33.47	29.91 24.7	22.65 8.617		

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	138	135	122	95.33	80.2	28.77
0.0645161290322581		97.7	95.54	87.07	72.11	62.25 22.73
0.0967741935483871		88.93	87.08	82.72	67.95	57.84 20.64
0.129032258064516	77.47	75.36	67.46	53.3	46.46	18.65
0.161290322580645	76.18	74.84	66.92	53	45.01	15.86
0.193548387096774	72.23	70.61	64.43	51.25	44.11	15.78
0.225806451612903	65.76	64.2	58.86	47.68	41.84	15.57
0.258064516129032	58.36	56.83	50.95	40.51	34.66	12.31
0.290322580645161	44.55	43.5	41.16	34.71	29.61	10.6
0.32258064516129	40.84	39.77	35.88	29.58	25.13	9.34
0.354838709677419	37.16	36.17	32.37	27.57	24.53	8.919
0.387096774193548	35.81	34.8	32.02	25.75	22.65	8.617
0.419354838709677	35.44	34.48	30.92	25.38	21.88	7.988
0.451612903225806	35.4	34.4	30.8	24.7	21.34	7.795

0.483870967741936	35.3	34.4	30.62	24.4	20.79	7.784
0.516129032258065	35.12	34.19	30.55	24.22	20.52	7.763
0.548387096774194	35.05	34.06	30.37	24.14	20.42	7.659
0.580645161290323	34.92	33.98	30.25	24.1	20.31	7.615
0.612903225806452	34.64	33.68	30.23	23.95	20.27	7.442
0.645161290322581	34.54	33.65	30.2	23.91	20.21	7.424
0.67741935483871	34.39	33.5	30.01	23.91	20.12	7.409
0.709677419354839	34.36	33.47	30.01	23.87	20.08	7.308
0.741935483870968	34.35	33.41	29.91	23.85	20.03	7.186
0.774193548387097	34.34	33.4	29.91	23.62	19.89	7.17
0.806451612903226	34.33	33.4	29.83	23.51	19.81	7.107
0.838709677419355	34.31	33.35	29.77	23.31	19.63	7.064
0.870967741935484	34.3	33.35	29.67	23.16	19.45	7.047
0.903225806451613	34.27	33.34	29.63	23.09	19.4	6.956
0.935483870967742	34.26	33.28	29.54	23.07	19.4	6.875
0.967741935483871	33.67	32.72	29.07	22.8	19.24	6.594

0.1	87.784	85.908	81.194	66.485	56.702
	20.441				

Average of yearly averages:

10.665733333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgFallNAg

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	256.47		g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6		torr	
Solubility	sol	440		mg/L	
Kd	Kd			mg/L	
Koc	Koc	59.25		mg/L	
Photolysis half-life	kdp	0.375	days		Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0		days		Half-life
Hydrolysis: pH 7	0		days		Half-life
Hydrolysis: pH 9	0		days		Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	13.47	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.05			fraction of application rate applied to pond
Application Date	Date	1-4		dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as AgFall.out

Chemical: Triclopyr

PRZM environment: CARangelandhayRLF_V2.txt modified Wedday, 26
March 2008 at 09:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.734	6.543	5.815	4.559	3.847	1.325
1962	6.872	6.675	5.924	4.627	3.892	1.728
1963	76.9	75.2	68.51	55.42	48.07	17.29
1964	8.405	8.174	7.291	5.751	4.894	2.421
1965	48.91	47.82	43.64	34.69	29.27	10.29
1966	7.663	7.449	6.631	5.199	4.391	1.93
1967	65.28	63.92	61.59	51	43.36	15.16
1968	8.034	7.811	6.958	5.47	4.627	2.111
1969	53.39	51.93	46.53	36.7	30.86	10.64
1970	7.599	7.398	6.626	5.24	4.44	1.883
1971	6.896	6.713	6.012	4.918	4.224	1.533
1972	6.859	6.676	5.972	4.736	3.997	1.426
1973	6.868	6.673	5.928	4.619	3.881	1.394
1974	9.852	9.59	8.582	6.728	5.693	2.279
1975	6.973	6.8	6.133	4.859	4.083	1.488
1976	35.3	34.37	30.8	23.93	20	7.017
1977	14.45	14.1	12.72	10.16	8.772	3.685
1978	21.97	21.46	19.51	16.19	13.77	4.994
1979	7.163	6.98	6.274	4.96	4.17	1.609
1980	9.422	9.18	8.251	6.825	5.869	2.113
1981	7.142	6.948	6.249	5.829	5.188	1.938
1982	119	116	104	81.8	68.81	24
1983	58.66	57.51	51.47	40.28	34.21	13.27
1984	8.068	7.855	7.039	5.549	4.676	2.186
1985	6.927	6.733	5.991	4.679	3.931	1.433
1986	15.88	15.47	13.87	10.95	9.343	3.311
1987	7	6.807	6.068	4.757	4.007	1.552
1988	45.63	44.54	40.86	33.42	28.36	10.07
1989	7.739	7.539	6.766	5.35	4.526	2.214
1990	11.42	11.12	9.849	7.562	6.863	3.076

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	119	116	104	81.8	68.81	24
0.0645161290322581	76.9	75.2	68.51	55.42	48.07	17.29
0.0967741935483871	65.28	63.92	61.59	51	43.36	15.16
0.129032258064516	58.66	57.51	51.47	40.28	34.21	13.27
0.161290322580645	53.39	51.93	46.53	36.7	30.86	10.64
0.193548387096774	48.91	47.82	43.64	34.69	29.27	10.29
0.225806451612903	45.63	44.54	40.86	33.42	28.36	10.07
0.258064516129032	35.3	34.37	30.8	23.93	20	7.017
0.290322580645161	21.97	21.46	19.51	16.19	13.77	4.994
0.32258064516129	15.88	15.47	13.87	10.95	9.343	3.685

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

stored as 2ResLawn-R.out

Chemical: Triclopyr

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

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at
06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	29.63	28.93	26.36	22.54	20.31	8.52
1962	90.34	88.41	85.66	77.75	69.27	26.94
1963	49.15	47.97	44.16	38.31	34.16	15.07
1964	19.48	19	17.43	16.7	15.5	6.942
1965	19.3	18.88	17.66	16.61	15.16	6.741
1966	16.21	15.79	15.1	13.92	13.29	6.303
1967	27.27	26.71	24.68	21.83	19.87	8.554
1968	35.66	34.78	32.56	28.31	24.74	10.19
1969	58.2	57.12	53.42	46.27	40.86	16.01
1970	26.89	26.17	25.65	23.82	21.11	8.786
1971	40.78	39.79	37.92	32.07	28.08	11.76
1972	21.32	20.8	20.34	18.51	16.97	7.253
1973	56	54.81	50.66	44.32	40.34	16
1974	35.31	34.57	32.03	29.64	26.23	10.78
1975	34.93	34.16	31.46	26.21	22.92	9.719
1976	74.22	72.34	66.53	55.86	48.37	18.53
1977	33.18	32.31	29.77	25.88	22.83	10.13
1978	91.5	89.58	83.06	69.22	60.71	25.33
1979	75.35	73.7	69.72	62.62	55.98	21.97
1980	59.55	58.41	54	46.28	41.11	16.67
1981	21.94	21.45	20.44	18.47	16.63	6.87
1982	59.82	58.49	54.69	50.76	46.07	18.48
1983	45.77	44.83	42.7	37.39	32.94	13.68
1984	21.17	20.62	18.89	17.59	15.89	6.739
1985	45.1	43.95	41.92	39.4	36.14	14.51
1986	89.79	87.66	80.43	68.31	61.43	24.37
1987	54.37	53.04	49.87	43.87	39.27	15.87
1988	25.5	24.82	24.36	22.72	20.62	8.998
1989	18.86	18.47	17.73	16.4	14.91	6.304
1990	33.02	32.21	30.44	29.5	27.44	11.36

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	91.5	89.58	85.66	77.75	69.27	26.94	
0.0645161290322581		90.34	88.41	83.06	69.22	61.43	25.33
0.0967741935483871		89.79	87.66	80.43	68.31	60.71	24.37
0.129032258064516	75.35	73.7	69.72	62.62	55.98	21.97	
0.161290322580645	74.22	72.34	66.53	55.86	48.37	18.53	
0.193548387096774	59.82	58.49	54.69	50.76	46.07	18.48	

0.225806451612903	59.55	58.41	54	46.28	41.11	16.67
0.258064516129032	58.2	57.12	53.42	46.27	40.86	16.01
0.290322580645161	56	54.81	50.66	44.32	40.34	16
0.32258064516129	54.37	53.04	49.87	43.87	39.27	15.87
0.354838709677419	49.15	47.97	44.16	39.4	36.14	15.07
0.387096774193548	45.77	44.83	42.7	38.31	34.16	14.51
0.419354838709677	45.1	43.95	41.92	37.39	32.94	13.68
0.451612903225806	40.78	39.79	37.92	32.07	28.08	11.76
0.483870967741936	35.66	34.78	32.56	29.64	27.44	11.36
0.516129032258065	35.31	34.57	32.03	29.5	26.23	10.78
0.548387096774194	34.93	34.16	31.46	28.31	24.74	10.19
0.580645161290323	33.18	32.31	30.44	26.21	22.92	10.13
0.612903225806452	33.02	32.21	29.77	25.88	22.83	9.719
0.645161290322581	29.63	28.93	26.36	23.82	21.11	8.998
0.67741935483871	27.27	26.71	25.65	22.72	20.62	8.786
0.709677419354839	26.89	26.17	24.68	22.54	20.31	8.554
0.741935483870968	25.5	24.82	24.36	21.83	19.87	8.52
0.774193548387097	21.94	21.45	20.44	18.51	16.97	7.253
0.806451612903226	21.32	20.8	20.34	18.47	16.63	6.942
0.838709677419355	21.17	20.62	18.89	17.59	15.89	6.87
0.870967741935484	19.48	19	17.73	16.7	15.5	6.741
0.903225806451613	19.3	18.88	17.66	16.61	15.16	6.739
0.935483870967742	18.86	18.47	17.43	16.4	14.91	6.304
0.967741935483871	16.21	15.79	15.1	13.92	13.29	6.303

0.1	88.346	86.264	79.359	67.741	60.237	24.13
Average of yearly averages:						12.9793

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: 2ResLawn-R

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	256.47		g/mol	
Henry's Law Const.	henry	9.66E-10		atm-m ³ /mol	
Vapor Pressure	vapr	1.26E-6		torr	
Solubility	sol	440		mg/L	
Kd	Kd			mg/L	
Koc	Koc	59.25		mg/L	
Photolysis half-life	kdp	0.375	days		Half-life
Aerobic Aquatic Metabolism	kbacw	426	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	28.39	days		Halfife
Hydrolysis: pH 5	0		days		Half-life
Hydrolysis: pH 7	0		days		Half-life
Hydrolysis: pH 9	0		days		Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	10.10	kg/ha		
Application Efficiency:	APPEFF	0.99			fraction
Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
Application Date	Date	1-2	dd/mm or dd/mm or dd-mm or dd-mmm		

Interval 1 interval 21 days Set to 0 or delete line for single app.

app. rate 1 apprate 10.10 kg/ha

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

stored as 2ResLawn-I.out

Chemical: Triclopyr

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 12:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 06:14:08

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 06:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	161	157	151	135	120	48.31
1962	319	314	297	263	234	90.72
1963	344	336	310	276	260	112
1964	283	276	251	215	186	75.88
1965	410	403	362	337	300	118
1966	737	721	664	596	522	199
1967	335	328	302	251	217	84.08
1968	258	252	236	191	171	68.55
1969	658	649	592	472	411	163
1970	443	432	398	317	275	108
1971	382	373	339	273	234	89.69
1972	216	211	197	172	151	58.25
1973	600	587	540	445	405	158
1974	563	555	510	420	360	137
1975	489	484	445	406	364	143
1976	1060	1040	951	762	651	249
1977	279	272	254	228	203	82.87
1978	430	423	395	332	307	123
1979	1470	1440	1330	1120	989	373
1980	639	625	572	480	423	167
1981	448	441	411	368	323	122
1982	793	776	714	583	503	200
1983	877	861	796	665	578	232
1984	286	281	256	203	179	75.55
1985	467	455	418	370	334	131
1986	719	707	647	522	449	191
1987	629	614	564	483	444	183
1988	271	266	238	188	163	63.02
1989	282	278	260	213	183	74.68
1990	553	545	506	429	395	159

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	1470	1440	1330	1120	989	373	
0.0645161290322581		1060	1040	951	762	651	249
0.0967741935483871		877	861	796	665	578	232
0.129032258064516	793	776	714	596	522	200	
0.161290322580645	737	721	664	583	503	199	
0.193548387096774	719	707	647	522	449	191	
0.225806451612903	658	649	592	483	444	183	
0.258064516129032	639	625	572	480	423	167	
0.290322580645161	629	614	564	472	411	163	
0.32258064516129	600	587	540	445	405	159	
0.354838709677419	563	555	510	429	395	158	
0.387096774193548	553	545	506	420	364	143	
0.419354838709677	489	484	445	406	360	137	
0.451612903225806	467	455	418	370	334	131	
0.483870967741936	448	441	411	368	323	123	
0.516129032258065	443	432	398	337	307	122	
0.548387096774194	430	423	395	332	300	118	
0.580645161290323	410	403	362	317	275	112	
0.612903225806452	382	373	339	276	260	108	
0.645161290322581	344	336	310	273	234	90.72	
0.67741935483871	335	328	302	263	234	89.69	
0.709677419354839	319	314	297	251	217	84.08	
0.741935483870968	286	281	260	228	203	82.87	
0.774193548387097	283	278	256	215	186	75.88	
0.806451612903226	282	276	254	213	183	75.55	
0.838709677419355	279	272	251	203	179	74.68	
0.870967741935484	271	266	238	191	171	68.55	
0.903225806451613	258	252	236	188	163	63.02	
0.935483870967742	216	211	197	172	151	58.25	
0.967741935483871	161	157	151	135	120	48.31	

0.1 868.6 852.5 787.8 658.1 572.4 228.8

Average of yearly averages:

135.986666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: 2ResLawn-I

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Triclopyr

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		256.47	g/mol	
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Henry's Law Const.	henry		9.66E-10	atm-m ³ /mol	
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Vapor Pressure	vapr		1.26E-6	torr	
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Solubility	sol		440	mg/L	
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Kd	Kd			mg/L	
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Koc	Koc		59.25	mg/L	
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Photolysis half-life	kdp		0.375	days	Half-life
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Aerobic Aquatic Metabolism	kbacw		426	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs		0	days	Halfife
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Aerobic Soil Metabolism	asm		28.39	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life		
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Hydrolysis: pH 7	0	days	Half-life		
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Hydrolysis: pH 9	0	days	Half-life		
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Method: CAM 2 integer See PRZM manual
Incorporation Depth: DEPI cm
Application Rate: TAPP 10.10 kg/ha
Application Efficiency: APPEFF 0.99 fraction
Spray Drift DRFT 0.01 fraction of application rate applied to pond
Application Date Date 1-2 dd/mm or dd/mm or dd-mm or dd-mm
Interval 1 interval 21 days Set to 0 or delete line for single
app.
app. rate 1 apprate 10.10 kg/ha
Record 17: FILTRA
IPSCND 1
UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)