

Appendix M. PRZM-EXAMS Model Runs: Output Files

Cotton 1 (85% incorporated)

stored as cotton1.out

Chemical: Aldicarb

PRZM environment: Cacotton_NirrigC.txt modified Thuday, 17 June 2004
at 07:14:24

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

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0.4763		0.446	0.3401	0.1934	0.1337	0.03434
1962	0.007339		0.007125	0.006303	0.004752		0.003805
	0.001296						
1963	3.819	3.574	3.099	1.908	1.357	0.3391	
1964	0.002292		0.002158	0.001695	0.001027		0.0007348
	0.0002796						
1965	1.519	1.434	1.118	0.6641	0.473	0.1184	
1966	0.0009947		0.0009565	0.0008438	0.0005198		0.0003465
	8.869e-005						
1967	7.126	6.797	5.809	3.711	2.651	0.6618	
1968	2.323	2.175	1.671	0.9766	0.6882	0.1737	
1969	4.088	3.849	3.018	1.749	1.231	0.3075	
1970	0.05959		0.05684	0.05116	0.02779		0.01852
	0.004595						
1971	3.579	3.375	2.648	1.555	1.092	0.2752	
1972	0.09185		0.08149	0.05171	0.02385		0.01615
	0.004208						
1973	0.1072		0.1002	0.07652	0.04847		0.03714
	0.009267						
1974	0.3611		0.3397	0.2658	0.1571		0.1105
	0.03316						
1975	0.01394		0.01314	0.01104	0.007925		0.005935
	0.002976						
1976	0.004194		0.004054	0.003526	0.002617		0.002085
	0.0005887						
1977	0.05475		0.05099	0.03839	0.01938		0.01317
	0.003265						
1978	11.12	10.47	8.593	5.164	3.64	0.9061	
1979	0.006485		0.00618	0.005109	0.003098		0.002066
	0.0005174						
1980	0.002603		0.002499	0.002116	0.001477		0.001147
	0.0003072						
1981	0.8246		0.7694	0.5739	0.3064		0.2094
	0.05198						
1982	9.076	8.613	6.85	4.125	2.927	0.7313	
1983	0.04559		0.04229	0.02984	0.01551		0.01065
	0.002659						
1984	2.223e-005		2.118e-005	1.779e-005	9.881e-006		6.588e-006
	1.722e-006						
1985	0.009455		0.009032	0.007518	0.006488		0.00484
	0.001195						

1986	0.003489	0.003329	0.00275	0.001849	0.001404
	0.0005076				
1987	1.483	1.346	0.9224	0.4429	0.302 0.07508
1988	4.218	3.956	3.252	1.915	1.34 0.3315
1989	0.565	0.5172	0.3656	0.1846	0.1257 0.0317
1990	1.481	1.372	1.001	0.5567	0.386 0.09568

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.12	10.47	8.593	5.164	3.64	0.9061
0.0645161290322581		9.076	8.613	6.85	4.125	2.927 0.7313
0.0967741935483871		7.126	6.797	5.809	3.711	2.651 0.6618
0.129032258064516	4.218	3.956	3.252	1.915	1.357	0.3391
0.161290322580645	4.088	3.849	3.099	1.908	1.34	0.3315
0.193548387096774	3.819	3.574	3.018	1.749	1.231	0.3075
0.225806451612903	3.579	3.375	2.648	1.555	1.092	0.2752
0.258064516129032	2.323	2.175	1.671	0.9766	0.6882	0.1737
0.290322580645161	1.519	1.434	1.118	0.6641	0.473	0.1184
0.32258064516129	1.483	1.372	1.001	0.5567	0.386	0.09568
0.354838709677419	1.481	1.346	0.9224	0.4429	0.302	0.07508
0.387096774193548	0.8246		0.7694	0.5739	0.3064	
0.2094	0.05198					
0.419354838709677	0.565	0.5172	0.3656	0.1934	0.1337	
0.03434						
0.451612903225806	0.4763		0.446	0.3401	0.1846	0.1257
0.03316						
0.483870967741936	0.3611		0.3397	0.2658	0.1571	
0.1105	0.0317					
0.516129032258065	0.1072		0.1002	0.07652	0.04847	
0.03714	0.009267					
0.548387096774194	0.09185		0.08149	0.05171	0.02779	
0.01852	0.004595					
0.580645161290323	0.05959		0.05684	0.05116	0.02385	
0.01615	0.004208					
0.612903225806452	0.05475		0.05099	0.03839	0.01938	
0.01317	0.003265					
0.645161290322581	0.04559		0.04229	0.02984	0.01551	
0.01065	0.002976					
0.67741935483871	0.01394		0.01314	0.01104	0.007925	
0.005935	0.002659					
0.709677419354839	0.009455		0.009032	0.007518	0.006488	
0.00484	0.001296					
0.741935483870968	0.007339		0.007125	0.006303	0.004752	
0.003805	0.001195					
0.774193548387097	0.006485		0.00618	0.005109	0.003098	
0.002085	0.0005887					
0.806451612903226	0.004194		0.004054	0.003526	0.002617	
0.002066	0.0005174					
0.838709677419355	0.003489		0.003329	0.00275	0.001849	
0.001404	0.0005076					
0.870967741935484	0.002603		0.002499	0.002116	0.001477	
0.001147	0.0003072					
0.903225806451613	0.002292		0.002158	0.001695	0.001027	
0.0007348	0.0002796					
0.935483870967742	0.0009947		0.0009565	0.0008438	0.0005198	
0.0003465	8.869e-005					

0.967741935483871 2.223e-005 2.118e-005 1.779e-005 9.881e-006
6.588e-006 1.722e-006

0.1 6.8352 6.5129 5.5533 3.5314 2.5216
0.62953

Average of yearly averages:
0.139943063733333

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

Data used for this run:

Output File: cotton1

Metfile: w93193.dvf

PRZM scenario: Cacotton_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	190.2	g/mol	
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Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
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Vapor Pressure	vapr	2.55E-5	torr	
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Solubility	sol	6000	mg/L	
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Kd	Kd	0.12	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	4	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
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Aerobic Soil Metabolism	asm	55	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	60	days	Half-life	
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Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI	0.1	cm	
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Application Rate: TAPP	0.353	kg/ha		
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Application Efficiency: APPEFF	0.99	fraction		
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Spray Drift DRFT	0	fraction of application rate applied to pond		
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Application Date Date	31-3	dd/mm or dd/mmm or dd-mm or dd-mmm		
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR Pond

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

Cotton 1 (99% incorporated)

stored as cotton1.out

Chemical: Aldicarb

PRZM environment: Cacotton_NirrigC.txt modified Thuday, 17 June 2004
at 08:14:24

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.03171 0.002286		0.02968	0.02264	0.01288	0.008898
1962	0.0004885 8.624e-005		0.0004743	0.0004196	0.0003163	0.0002533
1963	0.2543 0.02291		0.2413	0.2094	0.1289	0.09164
1964	0.0001526 1.862e-005		0.0001437	0.0001128	6.84e-005	4.893e-005
1965	0.1012 0.007886		0.09546	0.07444	0.04422	0.03149
1966	6.622e-005 5.903e-006		6.367e-005	5.616e-005	3.46e-005	2.307e-005
1967	0.4743		0.4524	0.3867	0.247 0.1764	0.04405
1968	0.1547 0.01156		0.1448	0.1112	0.06501	0.04581
1969	0.2722 0.02047		0.2562	0.2009	0.1164	0.08193
1970	0.003968 0.000306		0.003785	0.003407	0.00185	0.001234
1971	0.2383 0.01833		0.2247	0.1763	0.1035	0.0727
1972	0.006115 0.0002801		0.005426	0.003443	0.001588	0.001075
1973	0.007135 0.0006171		0.00667	0.005095	0.003228	0.002473
1974	0.02404 0.002207		0.02261	0.01769	0.01046	0.007359
1975	0.000928 0.0001981		0.0008749	0.0007355	0.0005278	0.0003951
1976	0.0002793 3.92e-005		0.00027	0.0002348	0.0001743	0.0001389
1977	0.003646 0.0002174		0.003395	0.002556	0.001291	0.0008767
1978	0.7401 0.06032		0.6972	0.5721	0.3438	0.2424
1979	0.0004318 3.446e-005		0.0004116	0.0003402	0.0002063	0.0001376
1980	0.0001734 2.046e-005		0.0001664	0.0001409	9.836e-005	7.641e-005
1981	0.05489 0.00346		0.05121	0.0382	0.02039	0.01394
1982	0.6041 0.04867		0.5732	0.4559	0.2746	0.1948

1983	0.003035 0.000177	0.002815	0.001986	0.001032	0.000709
1984	1.48e-006 1.147e-007	1.41e-006	1.184e-006	6.58e-007	4.386e-007
1985	0.0006295 7.955e-005	0.0006013	0.0005005	0.0004319	0.0003222
1986	0.0002323 3.379e-005	0.0002217	0.0001831	0.0001231	9.345e-005
1987	0.0987 0.004999	0.08963	0.06141	0.02949	0.02011
1988	0.2808 0.02207	0.2634	0.2165	0.1275	0.08922
1989	0.0376 0.00211	0.03442	0.02433	0.01229	0.008367
1990	0.0986 0.00637	0.09136	0.06663	0.03707	0.0257

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.2424	0.7401	0.6041	0.6972	0.5721	0.3438
0.0645161290322581	0.1948	0.06032	0.4743	0.5732	0.4559	0.2746
0.0967741935483871	0.1764	0.04405	0.4524	0.3867	0.3867	0.247
0.129032258064516	0.09164	0.2808	0.2634	0.2165	0.2165	0.1289
0.161290322580645	0.08922	0.02291	0.2562	0.2094	0.2094	0.1275
0.193548387096774	0.08193	0.2722	0.2413	0.2009	0.2009	0.1164
0.225806451612903	0.0727	0.08922	0.2247	0.1763	0.1763	0.1035
0.258064516129032	0.04581	0.2383	0.1448	0.1112	0.1112	0.06501
0.290322580645161	0.03149	0.1547	0.09546	0.07444	0.07444	0.04422
0.32258064516129	0.0257	0.1012	0.09136	0.06663	0.06663	0.03707
0.354838709677419	0.02011	0.007886	0.08963	0.06141	0.06141	0.02949
0.387096774193548	0.01394	0.0986	0.05121	0.0382	0.0382	0.02039
0.419354838709677	0.008898	0.00346	0.03442	0.02433	0.02433	0.01288
0.451612903225806	0.008367	0.0376	0.02968	0.02264	0.02264	0.01229
0.483870967741936	0.007359	0.002286	0.02404	0.02261	0.01769	0.01046
0.516129032258065	0.002473	0.02404	0.007135	0.00667	0.005095	0.003228
0.548387096774194	0.001234	0.006115	0.006115	0.005426	0.003443	0.00185
0.580645161290323	0.001075	0.000306	0.003968	0.003785	0.003407	0.001588
0.612903225806452	0.0008767	0.0002801	0.003646	0.003395	0.002556	0.001291
		0.0002174				

0.645161290322581	0.003035	0.002815	0.001986	0.001032
0.000709	0.0001981			
0.67741935483871	0.000928	0.0008749	0.0007355	0.0005278
0.0003951	0.000177			
0.709677419354839	0.0006295	0.0006013	0.0005005	0.0004319
0.0003222	8.624e-005			
0.741935483870968	0.0004885	0.0004743	0.0004196	0.0003163
0.0002533	7.955e-005			
0.774193548387097	0.0004318	0.0004116	0.0003402	0.0002063
0.0001389	3.92e-005			
0.806451612903226	0.0002793	0.00027	0.0002348	0.0001743
0.0001376	3.446e-005			
0.838709677419355	0.0002323	0.0002217	0.0001831	0.0001231
9.345e-005	3.379e-005			
0.870967741935484	0.0001734	0.0001664	0.0001409	9.836e-005
7.641e-005	2.046e-005			
0.903225806451613	0.0001526	0.0001437	0.0001128	6.84e-005
4.893e-005	1.862e-005			
0.935483870967742	6.622e-005	6.367e-005	5.616e-005	3.46e-005
2.307e-005	5.903e-006			
0.967741935483871	1.48e-006	1.41e-006	1.184e-006	6.58e-007
4.386e-007	1.147e-007			

0.1	0.45495	0.4335	0.36968	0.23519	0.167924
	0.041936				

Average of yearly averages:

0.00932706792333333

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

Data used for this run:

Output File: cotton1

Metfile: w93193.dvf

PRZM scenario: Cacotton_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	190.2	g/mol	
Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
Vapor Pressure	vapr	2.55E-5	torr	
Solubility	sol	6000	mg/L	
Kd	Kd	0.12	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	4	days	Half-life
Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
Aerobic Soil Metabolism	asm	55	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	60	days		Half-life
Method:	CAM	8	integer	See PRZM manual
Incorporation Depth:	DEPI	0.1	cm	
Application Rate:	TAPP	0.0235	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	31-3	dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

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

Cotton 3 (85% incorporated)

stored as cotton3.out

Chemical: Aldicarb

PRZM environment: Cacotton_NirrigC.txt modified Thuday, 17 June 2004
at 07:14:24

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

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.4731		0.4429	0.3378	0.1921	0.1328
	0.03852					
1962	0.03388		0.03289	0.0291	0.02193	0.01756
	0.005234					
1963	3.793	3.549	3.078	1.895	1.347	0.3375
1964	0.01867		0.01723	0.01426	0.009966	0.006856
	0.002066					
1965	1.51	1.425	1.111	0.66	0.4701	0.1191
1966	0.004658		0.004506	0.003929	0.002908	0.002298
	0.0008115					
1967	4.855	4.63	3.95	2.523	1.803	0.4522
1968	2.308	2.161	1.66	0.9703	0.6837	0.1836
1969	4.063	3.825	3	1.738	1.223	0.3085
1970	0.137	0.1307		0.1172	0.06376	0.04251
						0.01081
1971	3.559	3.356	2.633	1.561	1.1	0.2824
1972	0.2533		0.2247	0.1426	0.06578	0.04453
	0.01169					
1973	0.2177		0.2035	0.1554	0.09847	0.07545
	0.01896					
1974	0.6141		0.5777	0.4575	0.278	0.1964
						0.07035
1975	0.06645		0.06265	0.05267	0.03779	0.02679
	0.01377					
1976	0.02	0.01933		0.01681	0.01262	0.0101
						0.003849
1977	0.09438		0.08789	0.06618	0.03341	0.0227
	0.005747					
1978	7.941	7.481	6.133	3.685	2.598	0.6746
1979	0.01245		0.01187	0.009812	0.006531	0.005095
	0.002337					
1980	0.005	0.0048		0.004064	0.002837	0.002204
						0.0005901
1981	0.8192		0.7643	0.5701	0.3044	0.208
						0.05276
1982	8.606	8.167	6.496	3.912	2.776	0.7004
1983	10.45	9.691	6.838	3.553	2.441	0.6058
1984	0.0004471		0.0004304	0.0003683	0.0002631	0.0002048
	6.408e-005					
1985	0.02149		0.02065	0.01719	0.0147	0.01098
	0.002716					
1986	0.0149		0.01435	0.009431	0.004229	0.003211
	0.001465					
1987	2.726	2.476	1.696	0.8145	0.5554	0.139
1988	4.189	3.929	3.23	1.902	1.331	0.3299
1989	1.067	0.9768		0.6906	0.3487	0.2375
						0.06027
1990	1.471	1.363	0.994	0.7132	0.5144	0.1281

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	10.45	9.691	6.838	3.912	2.776 0.7004
0.0645161290322581		8.606	8.167	6.496	3.685 2.598 0.6746
0.0967741935483871		7.941	7.481	6.133	3.553 2.441 0.6058
0.129032258064516	4.855	4.63	3.95	2.523	1.803 0.4522
0.161290322580645	4.189	3.929	3.23	1.902	1.347 0.3375
0.193548387096774	4.063	3.825	3.078	1.895	1.331 0.3299
0.225806451612903	3.793	3.549	3	1.738	1.223 0.3085
0.258064516129032	3.559	3.356	2.633	1.561	1.1 0.2824
0.290322580645161	2.726	2.476	1.696	0.9703	0.6837 0.1836
0.32258064516129	2.308	2.161	1.66	0.8145	0.5554 0.139
0.354838709677419	1.51	1.425	1.111	0.7132	0.5144 0.1281
0.387096774193548	1.471	1.363	0.994	0.66	0.4701 0.1191
0.419354838709677	1.067	0.9768		0.6906	0.3487 0.2375
0.07035					
0.451612903225806	0.8192		0.7643	0.5701	0.3044 0.208
0.06027					
0.483870967741936	0.6141		0.5777	0.4575	0.278 0.1964
0.05276					
0.516129032258065	0.4731		0.4429	0.3378	0.1921
0.1328	0.03852				
0.548387096774194	0.2533		0.2247	0.1554	0.09847
0.07545	0.01896				
0.580645161290323	0.2177		0.2035	0.1426	0.06578
0.04453	0.01377				
0.612903225806452	0.137	0.1307		0.1172	0.06376 0.04251
0.01169					
0.645161290322581	0.09438		0.08789	0.06618	0.03779
0.02679	0.01081				
0.67741935483871	0.06645		0.06265	0.05267	0.03341
0.0227	0.005747				
0.709677419354839	0.03388		0.03289	0.0291	0.02193
0.01756	0.005234				
0.741935483870968	0.02149		0.02065	0.01719	0.0147
0.01098	0.003849				
0.774193548387097	0.02	0.01933		0.01681	0.01262 0.0101
0.002716					
0.806451612903226	0.01867		0.01723	0.01426	0.009966
0.006856	0.002337				
0.838709677419355	0.0149		0.01435	0.009812	0.006531
0.005095	0.002066				
0.870967741935484	0.01245		0.01187	0.009431	0.004229
0.003211	0.001465				
0.903225806451613	0.005	0.0048		0.004064	0.002908 0.002298
0.0008115					
0.935483870967742	0.004658		0.004506	0.003929	0.002837
0.002204	0.0005901				
0.967741935483871	0.0004471		0.0004304	0.0003683	0.0002631
0.0002048	6.408e-005				
0.1	7.6324	7.1959	5.9147	3.45	2.3772 0.59044
					Average of yearly averages: 0.152103656

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

Data used for this run:

Output File: cotton3

Metfile: w93193.dvf
 PRZM scenario: Cacotton_NirrigC.txt
 EXAMS environment file: pond298.exv
 Chemical Name: Aldicarb
 Description Variable Name Value Units Comments
 Molecular weight mwt 190.2 g/mol
 Henry's Law Const. henry 1.7E-10 atm-m³/mol
 Vapor Pressure vapr 2.55E-5 torr
 Solubility sol 6000 mg/L
 Kd Kd 0.12 mg/L
 Koc Koc mg/L
 Photolysis half-life kdp 4 days Half-life
 Aerobic Aquatic Metabolism kbacw 12 days Halfife
 Anaerobic Aquatic Metabolism kbacs 24 days Halfife
 Aerobic Soil Metabolism asm 55 days Halfife
 Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 60 days Half-life
 Method: CAM 8 integer See PRZM manual
 Incorporation Depth: DEPI 0.1 cm
 Application Rate: TAPP 0.1764 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0 fraction of application rate applied to pond
 Application Date Date 30-3 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 1 days Set to 0 or delete line for single app.
 Interval 2 interval 30 days Set to 0 or delete line for single app.
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

Cotton 3 (99% incorporated)

stored as cotton3.out

Chemical: Aldicarb

PRZM environment: Cacotton_NirrigC.txt modified Thuday, 17 June 2004
at 08:14:24

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0.03165 0.002577		0.02963	0.0226	0.01285	0.008881	
1962	0.002266 0.0003501		0.0022	0.001946	0.001467	0.001175	
1963	0.2538		0.2408	0.209	0.1286	0.09146	0.02291
1964	0.001249 0.0001382		0.001153	0.0009539	0.0006666	0.0004586	
1965	0.101	0.09531	0.07432	0.04416	0.03145	0.00797	
1966	0.0003115 5.427e-005		0.0003013	0.0002627	0.0001944	0.0001537	
1967	0.3248 0.03025		0.3098	0.2643	0.1688	0.1206	
1968	0.1544 0.01229		0.1446	0.1111	0.06492	0.04575	
1969	0.2718 0.02064		0.2559	0.2007	0.1163	0.08183	
1970	0.009168 0.0007232		0.008745	0.007842	0.004266	0.002844	
1971	0.2381 0.01889		0.2245	0.1761	0.1044	0.07355	
1972	0.01695 0.0007818		0.01503	0.009541	0.0044	0.002979	
1973	0.01456 0.001268		0.01361	0.0104	0.006587	0.005047	
1974	0.04108 0.004707		0.03865	0.03061	0.0186	0.01314	
1975	0.004446 0.0009213		0.004192	0.003524	0.002529	0.001792	
1976	0.001338 0.0002575		0.001294	0.001125	0.0008443	0.0006755	
1977	0.006312 0.0003843		0.005878	0.004426	0.002235	0.001518	
1978	0.5315 0.04516		0.5007	0.4105	0.2467	0.1739	
1979	0.0008335 0.0001564		0.0007943	0.0006567	0.0004368	0.0003408	
1980	0.0003346 3.949e-005		0.0003212	0.000272	0.0001899	0.0001475	
1981	0.05479 0.003529		0.05112	0.03813	0.02036	0.01391	
1982	0.5756 0.04684		0.5462	0.4344	0.2616	0.1856	
1983	0.6991 0.04054		0.6485	0.4576	0.2378	0.1633	

1984	2.991e-005 4.287e-006	2.879e-005	2.463e-005	1.76e-005	1.37e-005
1985	0.001437 0.0001816	0.001381	0.00115	0.0009834	0.0007344
1986	0.0009967 9.799e-005	0.0009595	0.0006308	0.0002828	0.0002147
1987	0.1824 0.009297	0.1656	0.1135	0.05449	0.03715
1988	0.2802 0.02207	0.2628	0.2161	0.1272	0.08904
1989	0.07141 0.004033	0.06536	0.04621	0.02334	0.01589
1990	0.0984 0.008572	0.09117	0.06649	0.04771	0.03441

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.1856	0.6991	0.04684	0.6485	0.4576	0.2616
0.0645161290322581	0.1739	0.5756	0.04516	0.5462	0.4344	0.2467
0.0967741935483871	0.1633	0.5315	0.04054	0.5007	0.4105	0.2378
0.129032258064516	0.1206	0.3248	0.03025	0.3098	0.2643	0.1688
0.161290322580645	0.09146	0.2802	0.02291	0.2628	0.2161	0.1286
0.193548387096774	0.02207	0.2718	0.2559	0.209	0.1272	0.08904
0.225806451612903	0.08183	0.2538	0.02064	0.2408	0.2007	0.1163
0.258064516129032	0.07355	0.2381	0.01889	0.2245	0.1761	0.1044
0.290322580645161	0.04575	0.1824	0.01229	0.1656	0.1135	0.06492
0.32258064516129	0.03715	0.1544	0.009297	0.1446	0.1111	0.05449
0.354838709677419	0.008572	0.101	0.09531	0.07432	0.04771	0.03441
0.387096774193548	0.03145	0.0984	0.00797	0.09117	0.06649	0.04416
0.419354838709677	0.01589	0.07141	0.004707	0.06536	0.04621	0.02334
0.451612903225806	0.01391	0.05479	0.004033	0.05112	0.03813	0.02036
0.483870967741936	0.01314	0.04108	0.003529	0.03865	0.03061	0.0186
0.516129032258065	0.008881	0.03165	0.002577	0.02963	0.0226	0.01285
0.548387096774194	0.005047	0.01695	0.001268	0.01503	0.0104	0.006587
0.580645161290323	0.002979	0.01456	0.0009213	0.01361	0.009541	0.0044
0.612903225806452	0.002844	0.009168	0.0007818	0.008745	0.007842	0.004266
0.645161290322581	0.001792	0.006312	0.0007232	0.005878	0.004426	0.002529

0.67741935483871	0.004446	0.004192	0.003524	0.002235
0.001518	0.0003843			
0.709677419354839	0.002266	0.0022	0.001946	0.001467
0.001175	0.0003501			
0.741935483870968	0.001437	0.001381	0.00115	0.0009834
0.0007344	0.0002575			
0.774193548387097	0.001338	0.001294	0.001125	0.0008443
0.0006755	0.0001816			
0.806451612903226	0.001249	0.001153	0.0009539	0.0006666
0.0004586	0.0001564			
0.838709677419355	0.0009967	0.0009595	0.0006567	0.0004368
0.0003408	0.0001382			
0.870967741935484	0.0008335	0.0007943	0.0006308	0.0002828
0.0002147	9.799e-005			
0.903225806451613	0.0003346	0.0003212	0.000272	0.0001944
0.0001537	5.427e-005			
0.935483870967742	0.0003115	0.0003013	0.0002627	0.0001899
0.0001475	3.949e-005			
0.967741935483871	2.991e-005	2.879e-005	2.463e-005	1.76e-005
1.37e-005	4.287e-006			
0.1	0.51083	0.48161	0.39588	0.2309
0.039511				0.15903
			Average of yearly averages:	
	0.0101877812333333			

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

Data used for this run:

Output File: cotton3

Metfile: w93193.dvf

PRZM scenario: Cacotton_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	190.2	g/mol	
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Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
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Vapor Pressure	vapr	2.55E-5	torr	
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Solubility	sol	6000	mg/L	
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Kd	Kd	0.12	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	4	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
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Aerobic Soil Metabolism	asm	55	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	60	days	Half-life	
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Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI	0.1	cm	
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Application Rate: TAPP	0.0118	kg/ha		
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Application Efficiency: APPEFF	0.99	fraction		
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Spray Drift DRFT	0	fraction of application rate applied to pond		
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Application Date Date	30-3	dd/mm or dd/mm or dd-mm or dd-mmm		
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Interval 1 interval	1	days	Set to 0 or delete line for single	
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app.

Interval 2 interval 30 days Set to 0 or delete line for single
app.

Record 17: FILTRA
IPSCND 1
UPTKF

Record 18: PLVKRT
PLDKRT
FEXTRC 0.5

Flag for Index Res. Run IR Pond

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

Soybean* (85% incorporated)

stored as rowcrop.out

Chemical: Aldicarb

PRZM environment: CARowCrop.txt modified Tuesday, 20 February 2007
at 12:04:11

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

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.326	2.178	1.689	1.017	0.7243	0.1804
1962	2.442	2.271	1.722	1.004	0.7142	0.1782
1963	1.716	1.599	1.318	0.818	0.583	0.1458
1964	0.4472		0.4211		0.3343	0.2017
	0.03569					0.1434
1965	0.00199		0.001869		0.001452	0.0008329
	0.0001474					0.0005881
1966	2.009	1.861	1.388	0.7717	0.5378	0.1337
1967	0.7461		0.7117		0.5907	0.3758
	0.06699					0.2683
1968	1.104	1.034	0.7945		0.4632	0.326
						0.08101
1969	2.421	2.279	1.825	1.093	0.7736	0.1932
1970	6.376	6.048	4.989	3.034	2.138	0.5323
1971	2.218	2.091	1.671	1.042	0.7501	0.1876
1972	1.963	1.84	1.427	0.8258	0.5771	0.143
1973	2.102	1.971	1.535	0.8743	0.607	0.1507
1974	0.002687		0.002491		0.002016	0.001397
	0.0002441					0.00097
1975	2.15	2.046	1.673	1.055	0.7501	0.1875
1976	6.381	6.078	4.861	2.956	2.097	0.5229
1977	6.346	6.011	4.604	2.647	1.878	0.4674
1978	2.413	2.273	1.815	1.086	0.7655	0.1905
1979	2.071	1.935	1.487	0.8488	0.5914	0.1468
1980	2.179	2.04	1.576	0.9364	0.6668	0.166
1981	1.984	1.851	1.413	0.8152	0.5679	0.1407
1982	4.307	4.087	3.237	1.946	1.38	0.3448
1983	2.338	2.209	1.764	1.064	0.7494	0.1867
1984	1.873	1.756	1.361	0.7795	0.5408	0.1337
1985	2.303	2.123	1.575	0.8736	0.6085	0.1508
1986	2.498	2.333	1.795	1.029	0.7171	0.1779
1987	2	1.846	1.359	0.7518	0.524	0.1302
1988	2.302	2.156	1.683	1.004	0.7131	0.1771
1989	2.173	2.007	1.484	0.8264	0.5786	0.1438
1990	2.009	1.861	1.388	0.7893	0.5551	0.138

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	6.381	6.078	4.989	3.034	2.138	0.5323
0.0645161290322581		6.376	6.048	4.861	2.956	2.097
0.0967741935483871		6.346	6.011	4.604	2.647	1.878
0.129032258064516	4.307	4.087	3.237	1.946	1.38	0.3448
0.161290322580645	2.498	2.333	1.825	1.093	0.7736	0.1932
0.193548387096774	2.442	2.279	1.815	1.086	0.7655	0.1905
0.225806451612903	2.421	2.273	1.795	1.064	0.7501	0.1876

0.258064516129032	2.413	2.271	1.764	1.055	0.7501	0.1875	
0.290322580645161	2.338	2.209	1.722	1.042	0.7494	0.1867	
0.32258064516129	2.326	2.178	1.689	1.029	0.7243	0.1804	
0.354838709677419	2.303	2.156	1.683	1.017	0.7171	0.1782	
0.387096774193548	2.302	2.123	1.673	1.004	0.7142	0.1779	
0.419354838709677	2.218	2.091	1.671	1.004	0.7131	0.1771	
0.451612903225806	2.179	2.046	1.576	0.9364	0.6668	0.166	
0.483870967741936	2.173	2.04	1.575	0.8743	0.6085	0.1508	
0.516129032258065	2.15	2.007	1.535	0.8736	0.607	0.1507	
0.548387096774194	2.102	1.971	1.487	0.8488	0.5914	0.1468	
0.580645161290323	2.071	1.935	1.484	0.8264	0.583	0.1458	
0.612903225806452	2.009	1.861	1.427	0.8258	0.5786	0.1438	
0.645161290322581	2.009	1.861	1.413	0.818	0.5771	0.143	
0.67741935483871	2	1.851	1.388	0.8152	0.5679	0.1407	
0.709677419354839	1.984	1.846	1.388	0.7893	0.5551	0.138	
0.741935483870968	1.963	1.84	1.361	0.7795	0.5408	0.1337	
0.774193548387097	1.873	1.756	1.359	0.7717	0.5378	0.1337	
0.806451612903226	1.716	1.599	1.318	0.7518	0.524	0.1302	
0.838709677419355	1.104	1.034	0.7945	0.4632	0.326	0.08101	
0.870967741935484	0.7461		0.7117	0.5907	0.3758		
0.2683	0.06699						
0.903225806451613	0.4472		0.4211	0.3343	0.2017		
0.1434	0.03569						
0.935483870967742	0.002687		0.002491	0.002016	0.001397		
0.00097	0.0002441						
0.967741935483871	0.00199		0.001869	0.001452	0.0008329		
0.0005881	0.0001474						
0.1	6.1421	5.8186	4.4673	2.5769	1.8282		
0.45514							
Average of yearly averages:						0.18112605	

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

Data used for this run:

Output File: rowcrop

Metfile: w93193.dvf

PRZM scenario: CARowCrop.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	190.2	g/mol	
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Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
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Vapor Pressure	vapr	2.55E-5	torr	
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Solubility	sol	6000	mg/L	
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Kd	Kd	0.12	mg/L	
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Koc	Koc		mg/L	
-----	-----	--	------	--

Photolysis half-life	kdp	4	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
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Aerobic Soil Metabolism	asm	55	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	60	days	Half-life	
------------------	----	------	-----------	--

Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI	0.1	cm	
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Application Rate:	TAPP	0.504	kg/ha	
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Application Efficiency: APPEFF 0.99 fraction
Spray Drift DRFT 0 fraction of application rate applied to pond
Application Date Date 30-3 dd/mm or dd/mm or dd-mm or dd-
Record 17: FILTRA
IPSCND 1
UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.5
Flag for Index Res. Run IR Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

*** run as "RowCrop"**

Soybean* (99% incorporated)

stored as rowcrop.out

Chemical: Aldicarb

PRZM environment: CARowCrop.txt modified Tuesday, 20 February 2007
at 13:04:11

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.1551 0.01202		0.1452	0.1126	0.06779	0.04828
1962	0.1628 0.01188		0.1514	0.1148	0.0669	0.04761
1963	0.1144 0.009917		0.1086	0.08953	0.05563	0.03965
1964	0.02981 0.00238		0.02807	0.02228	0.01345	0.009562
1965	0.0001327 9.827e-006		0.0001246	9.676e-005	5.552e-005	3.92e-005
1966	0.134	0.1241	0.09259	0.05146	0.03587	0.008917
1967	0.04975 0.004466		0.04745	0.03938	0.02506	0.01789
1968	0.07363 0.005401		0.06894	0.05297	0.03088	0.02173
1969	0.1614 0.01288		0.1519	0.1217	0.07289	0.05156
1970	0.4252 0.0355		0.4033	0.3327	0.2023	0.1426
1971	0.1478		0.1394	0.1114	0.06943	0.05 0.01251
1972	0.1309 0.009534		0.1227	0.09516	0.05506	0.03848
1973	0.1402 0.01005		0.1314	0.1023	0.05829	0.04047
1974	0.0001791 1.628e-005		0.0001661	0.0001344	9.312e-005	6.468e-005
1975	0.1433 0.0125		0.1363	0.1115	0.07028	0.04999
1976	0.4255 0.03486		0.4052	0.3241	0.1971	0.1398
1977	0.4231 0.03116		0.4008	0.3069	0.1765	0.1252
1978	0.1609		0.1516	0.121	0.07242	0.05104 0.0127
1979	0.138	0.129	0.09911	0.05658	0.03942	0.009786
1980	0.1453		0.1359	0.105	0.06241	0.04444 0.01106
1981	0.1322 0.009381		0.1234	0.09423	0.05435	0.03786
1982	0.2871 0.02299		0.2725	0.2158	0.1297	0.09203
1983	0.1559 0.01244		0.1472	0.1176	0.0709	0.04996
1984	0.1249 0.008913		0.1171	0.09069	0.05196	0.03605
1985	0.1535		0.1416	0.105	0.05824	0.04056 0.01005

1986	0.1665	0.1555	0.1196	0.06857	0.04779
	0.01186				
1987	0.1333	0.123	0.09056	0.05011	0.03493
1988	0.1535	0.1437	0.1122	0.06693	0.04754
	0.01181				
1989	0.1449	0.1338	0.09894	0.0551	0.03858
	0.009588				
1990	0.1339	0.1241	0.09255	0.05262	0.03701
	0.009201				

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129		0.4255		0.4052	0.3327	0.2023
	0.1426	0.0355				
0.0645161290322581		0.4252		0.4033	0.3241	0.1971
	0.1398	0.03486				
0.0967741935483871		0.4231		0.4008	0.3069	0.1765
	0.1252	0.03116				
0.129032258064516		0.2871		0.2725	0.2158	0.1297
	0.09203	0.02299				
0.161290322580645		0.1665		0.1555	0.1217	0.07289
	0.05156	0.01288				
0.193548387096774		0.1628		0.1519	0.121	0.07242
	0.0127					0.05104
0.225806451612903		0.1614		0.1516	0.1196	0.0709
	0.01251					0.05
0.258064516129032		0.1609		0.1514	0.1176	0.07028
	0.04999	0.0125				
0.290322580645161		0.1559		0.1472	0.1148	0.06943
	0.04996	0.01244				
0.32258064516129		0.1551		0.1452	0.1126	0.06857
	0.04828	0.01202				
0.354838709677419		0.1535		0.1437	0.1122	0.06779
	0.04779	0.01188				
0.387096774193548		0.1535		0.1416	0.1115	0.06693
	0.04761	0.01186				
0.419354838709677		0.1478		0.1394	0.1114	0.0669
	0.04754	0.01181				
0.451612903225806		0.1453		0.1363	0.105	0.06241
	0.01106					0.04444
0.483870967741936		0.1449		0.1359	0.105	0.05829
	0.01005					0.04056
0.516129032258065		0.1433		0.1338	0.1023	0.05824
	0.04047	0.01005				
0.548387096774194		0.1402		0.1314	0.09911	0.05658
	0.03965	0.009917				
0.580645161290323		0.138	0.129	0.09894	0.05563	0.03942
	0.009786					
0.612903225806452		0.134	0.1241	0.09516	0.0551	0.03858
	0.009588					
0.645161290322581		0.1339		0.1241	0.09423	0.05506
	0.03848	0.009534				
0.67741935483871		0.1333		0.1234	0.09259	0.05435
	0.03786	0.009381				
0.709677419354839		0.1322		0.123	0.09255	0.05262
	0.009201					0.03701

0.741935483870968	0.1309	0.1227	0.09069	0.05196
0.03605	0.008917			
0.774193548387097	0.1249	0.1171	0.09056	0.05146
0.03587	0.008913			
0.806451612903226	0.1144	0.1086	0.08953	0.05011
0.03493	0.008682			
0.838709677419355	0.07363	0.06894	0.05297	0.03088
0.02173	0.005401			
0.870967741935484	0.04975	0.04745	0.03938	0.02506
0.01789	0.004466			
0.903225806451613	0.02981	0.02807	0.02228	0.01345
0.009562	0.00238			
0.935483870967742	0.0001791	0.0001661	0.0001344	9.312e-005
6.468e-005	1.628e-005			
0.967741935483871	0.0001327	0.0001246	9.676e-005	5.552e-005
3.92e-005	9.827e-006			
0.1	0.4095	0.38797	0.29779	0.17182
	0.030343			0.121883
			Average of yearly averages:	
	0.0120820702333333			

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

Data used for this run:

Output File: rowcrop

Metfile: w93193.dvf

PRZM scenario: CARowCrop.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	190.2	g/mol	
Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
Vapor Pressure	vapr	2.55E-5	torr	
Solubility	sol	6000	mg/L	
Kd	Kd	0.12	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	4	days	Half-life
Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
Aerobic Soil Metabolism	asm	55	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	60	days		Half-life
Method:	CAM	8	integer	See PRZM manual
Incorporation Depth:	DEPI	0.1	cm	
Application Rate:	TAPP	0.0336	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	30-3	dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR Pond

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

*** run as "RowCrop"**

Pecan (85% incorporated)

stored as pecan.out

Chemical: Aldicarb

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

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

Metfile: w23232.dvf modified Wedday, 3 July 2002 at 08:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.000577		0.0005517	0.0005071	0.0003094	0.0002062
	5.086e-005					
1962	0.1649		0.1577	0.1232	0.07976	0.06048
	0.01496					
1963	3.476	3.271	2.722	1.759	1.284	0.3287
1964	0.001698		0.001579	0.001307	0.0009154	0.0006345
	0.0001954					
1965	0.2809		0.2661	0.2404	0.1604	0.1181
	0.03021					
1966	0.02857		0.0272	0.02226	0.01493	0.009956
	0.002459					
1967	3.081	2.957	2.5	1.611	1.171	0.2967
1968	0.02295		0.02161	0.01696	0.01038	0.007491
	0.001904					
1969	13.83	13.11	10.56	6.507	4.696	1.186
1970	0.001544		0.001467	0.001194	0.0008059	0.0005373
	0.0002095					
1971	0.01984		0.01863	0.01447	0.008523	0.006027
	0.001566					
1972	0.004453		0.004205	0.003227	0.001838	0.001296
	0.0003241					
1973	0.002844		0.002662	0.002095	0.001428	0.00103
	0.0002541					
1974	0.003797		0.003448	0.002372	0.001691	0.00122
	0.0003855					
1975	6.7e-006		6.491e-006	5.697e-006	4.233e-006	3.39e-006
	9.559e-007					
1976	0.7027		0.6645	0.5329	0.3246	0.2299
	0.05746					
1977	0.1087		0.1025	0.08104	0.04843	0.0343
	0.00863					
1978	0.08771		0.08322	0.07039	0.04686	0.03388
	0.008561					
1979	0.000573		0.0005349	0.0004267	0.000295	0.0002092
	5.248e-005					
1980	0.01951		0.01837	0.0144	0.009437	0.00701
	0.001801					
1981	0.3127		0.2956	0.233	0.1493	0.1065
						0.02674
1982	43.58	41.53	33.7	21.38	15.66	4.003
1983	0.5213		0.4958	0.4009	0.2379	0.1717
	0.04405					
1984	0.9141		0.863	0.6824	0.4098	0.2914
						0.0729
1985	6.52e-005		6.253e-005	5.38e-005	2.998e-005	1.999e-005
	7.638e-006					

1986	0.4885	0.4612	0.3657	0.221	0.1583	0.03987
1987	0.02243	0.02079	0.01603	0.01081	0.007741	
	0.001913					
1988	7.806	7.34	5.686	3.301	2.33	0.5805
1989	0.1015	0.09345	0.06792	0.04049	0.03047	
	0.008092					
1990	0.8005	0.7482	0.5673	0.3893	0.2858	
	0.07281					

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	43.58	41.53	33.7	21.38	15.66	4.003
0.0645161290322581		13.83	13.11	10.56	6.507	4.696
0.0967741935483871		7.806	7.34	5.686	3.301	2.33
0.129032258064516	3.476	3.271	2.722	1.759	1.284	0.3287
0.161290322580645	3.081	2.957	2.5	1.611	1.171	0.2967
0.193548387096774	0.9141		0.863	0.6824	0.4098	0.2914
	0.0729					
0.225806451612903	0.8005		0.7482	0.5673	0.3893	
	0.2858	0.07281				
0.258064516129032	0.7027		0.6645	0.5329	0.3246	
	0.2299	0.05746				
0.290322580645161	0.5213		0.4958	0.4009	0.2379	
	0.1717	0.04405				
0.32258064516129	0.4885		0.4612	0.3657	0.221	0.1583
	0.03987					
0.354838709677419	0.3127		0.2956	0.2404	0.1604	
	0.1181	0.03021				
0.387096774193548	0.2809		0.2661	0.233	0.1493	0.1065
	0.02674					
0.419354838709677	0.1649		0.1577	0.1232	0.07976	
	0.06048	0.01496				
0.451612903225806	0.1087		0.1025	0.08104	0.04843	
	0.0343	0.00863				
0.483870967741936	0.1015		0.09345	0.07039	0.04686	
	0.03388	0.008561				
0.516129032258065	0.08771		0.08322	0.06792	0.04049	
	0.03047	0.008092				
0.548387096774194	0.02857		0.0272	0.02226	0.01493	
	0.009956	0.002459				
0.580645161290323	0.02295		0.02161	0.01696	0.01081	
	0.007741	0.001913				
0.612903225806452	0.02243		0.02079	0.01603	0.01038	
	0.007491	0.001904				
0.645161290322581	0.01984		0.01863	0.01447	0.009437	
	0.00701	0.001801				
0.67741935483871	0.01951		0.01837	0.0144	0.008523	
	0.006027	0.001566				
0.709677419354839	0.004453		0.004205	0.003227	0.001838	
	0.001296	0.0003855				
0.741935483870968	0.003797		0.003448	0.002372	0.001691	
	0.00122	0.0003241				
0.774193548387097	0.002844		0.002662	0.002095	0.001428	
	0.00103	0.0002541				
0.806451612903226	0.001698		0.001579	0.001307	0.0009154	
	0.0006345	0.0002095				

0.838709677419355	0.001544	0.001467	0.001194	0.0008059
0.0005373	0.0001954			
0.870967741935484	0.000577	0.0005517	0.0005071	0.0003094
0.0002092	5.248e-005			
0.903225806451613	0.000573	0.0005349	0.0004267	0.000295
0.0002062	5.086e-005			
0.935483870967742	6.52e-005	6.253e-005	5.38e-005	2.998e-005
1.999e-005	7.638e-006			
0.967741935483871	6.7e-006	6.491e-006	5.697e-006	4.233e-006
3.39e-006	9.559e-007			
0.1	7.373	6.9331	5.3896	3.1468
				2.2254
				0.55532
				Average of yearly averages:
	0.22634355113			

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

Data used for this run:

Output File: pecan

Metfile: w23232.dvf

PRZM scenario: CAalmond_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	190.2	g/mol	
Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
Vapor Pressure	vapr	2.55E-5	torr	
Solubility	sol	6000	mg/L	
Kd	Kd	0.12	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	4	days	Half-life
Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
Aerobic Soil Metabolism	asm	55	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	60	days		Half-life
Method:	CAM	8	integer	See PRZM manual
Incorporation Depth:	DEPI	0.1	cm	
Application Rate:	TAPP	0.8316	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	31-3	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or total(average of entire run)	

Pecan (99% incorporated)

stored as pecan1%.out

Chemical: Aldicarb

PRZM environment: CAalmond_NirrigC.txt modified Thuday, 17 June 2004
at 08:13:20

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.843e-005	3.675e-005	3.378e-005	2.061e-005	1.374e-005	
	3.388e-006					
1962	0.01098	0.0105	0.008204	0.005313	0.004029	
	0.0009964					
1963	0.2316	0.2209	0.1841	0.119	0.08684	0.02223
1964	0.0001131	0.0001052	8.706e-005	6.097e-005	4.226e-005	
	1.305e-005					
1965	0.01871	0.01773	0.01602	0.01068	0.007865	
	0.002013					
1966	0.001903	0.001811	0.001483	0.0009947	0.0006631	
	0.0001638					
1967	0.2053	0.197	0.1665	0.1073	0.07803	0.01977
1968	0.001529	0.00144	0.00113	0.0006914	0.000499	
	0.0001268					
1969	0.9216	0.8733	0.7036	0.4336	0.3129	
	0.07899					
1970	0.0001029	9.778e-005	7.957e-005	5.37e-005	3.58e-005	
	1.396e-005					
1971	0.001322	0.001241	0.0009638	0.0005677	0.0004014	
	0.0001043					
1972	0.0002967	0.0002801	0.000215	0.0001224	8.635e-005	
	2.159e-005					
1973	0.0001894	0.0001773	0.0001396	9.513e-005	6.863e-005	
	1.693e-005					
1974	0.0002529	0.0002297	0.000158	0.0001126	8.129e-005	
	2.568e-005					
1975	4.464e-007	4.325e-007	3.795e-007	2.82e-007	2.258e-007	
	6.368e-008					
1976	0.04681	0.04427	0.0355	0.02162	0.01532	
	0.003828					
1977	0.00724	0.00683	0.005397	0.003226	0.002284	
	0.0005748					
1978	0.005843	0.005543	0.004689	0.003121	0.002257	
	0.0005702					
1979	3.816e-005	3.562e-005	2.841e-005	1.965e-005	1.393e-005	
	3.495e-006					
1980	0.0013	0.001223	0.0009589	0.0006286	0.0004669	
	0.00012					
1981	0.02083	0.01969	0.01552	0.009944	0.007092	
	0.001781					
1982	2.903	2.766	2.245	1.425	1.043	0.2667
1983	0.03473	0.03303	0.02671	0.01585	0.01144	
	0.002935					

1984	0.06091	0.0575	0.04547	0.0273	0.01942
	0.004858				
1985	4.345e-006	4.167e-006	3.585e-006	1.998e-006	1.332e-006
	5.089e-007				
1986	0.03254	0.03072	0.02436	0.01473	0.01055
	0.002656				
1987	0.001494	0.001386	0.001068	0.0007204	0.0005158
	0.0001274				
1988	0.52	0.489	0.3788	0.22	0.1552
				0.03868	
1989	0.006762	0.006227	0.004526	0.002698	0.00203
	0.0005392				
1990	0.05334	0.04985	0.03779	0.02593	0.01904
	0.004851				

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2.903	2.766	2.245	1.425	1.043	0.2667
0.0645161290322581		0.9216	0.8733	0.7036		0.4336
	0.3129	0.07899				
0.0967741935483871		0.52	0.489	0.3788	0.22	0.1552
	0.03868					
0.129032258064516	0.2316		0.2209	0.1841	0.119	0.08684
	0.02223					
0.161290322580645	0.2053		0.197	0.1665	0.1073	0.07803
	0.01977					
0.193548387096774	0.06091		0.0575	0.04547	0.0273	
	0.01942	0.004858				
0.225806451612903	0.05334		0.04985	0.03779	0.02593	
	0.01904	0.004851				
0.258064516129032	0.04681		0.04427	0.0355	0.02162	
	0.01532	0.003828				
0.290322580645161	0.03473		0.03303	0.02671	0.01585	
	0.01144	0.002935				
0.32258064516129	0.03254		0.03072	0.02436	0.01473	
	0.01055	0.002656				
0.354838709677419	0.02083		0.01969	0.01602	0.01068	
	0.007865	0.002013				
0.387096774193548	0.01871		0.01773	0.01552	0.009944	
	0.007092	0.001781				
0.419354838709677	0.01098		0.0105	0.008204	0.005313	
	0.004029	0.0009964				
0.451612903225806	0.00724		0.00683	0.005397	0.003226	
	0.002284	0.0005748				
0.483870967741936	0.006762		0.006227	0.004689	0.003121	
	0.002257	0.0005702				
0.516129032258065	0.005843		0.005543	0.004526	0.002698	
	0.00203	0.0005392				
0.548387096774194	0.001903		0.001811	0.001483	0.0009947	
	0.0006631	0.0001638				
0.580645161290323	0.001529		0.00144	0.00113	0.0007204	
	0.0005158	0.0001274				
0.612903225806452	0.001494		0.001386	0.001068	0.0006914	
	0.000499	0.0001268				
0.645161290322581	0.001322		0.001241	0.0009638	0.0006286	
	0.0004669	0.00012				
0.67741935483871	0.0013		0.001223	0.0009589	0.0005677	
	0.0004014	0.0001043				

0.709677419354839	0.0002967	0.0002801	0.000215	0.0001224
8.635e-005	2.568e-005			
0.741935483870968	0.0002529	0.0002297	0.000158	0.0001126
8.129e-005	2.159e-005			
0.774193548387097	0.0001894	0.0001773	0.0001396	9.513e-005
6.863e-005	1.693e-005			
0.806451612903226	0.0001131	0.0001052	8.706e-005	6.097e-005
4.226e-005	1.396e-005			
0.838709677419355	0.0001029	9.778e-005	7.957e-005	5.37e-005
3.58e-005	1.305e-005			
0.870967741935484	3.843e-005	3.675e-005	3.378e-005	2.061e-005
1.393e-005	3.495e-006			
0.903225806451613	3.816e-005	3.562e-005	2.841e-005	1.965e-005
1.374e-005	3.388e-006			
0.935483870967742	4.345e-006	4.167e-006	3.585e-006	1.998e-006
1.332e-006	5.089e-007			
0.967741935483871	4.464e-007	4.325e-007	3.795e-007	2.82e-007
2.258e-007	6.368e-008			
0.1	0.49116	0.46219	0.35933	0.2099
	0.037035			0.148364
			Average of yearly averages:	
	0.015090452186			

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

Data used for this run:

Output File: pecan1%

Metfile: w23232.dvf

PRZM scenario: CAalmond_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	190.2	g/mol	
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Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
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Vapor Pressure	vapr	2.55E-5	torr	
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Solubility	sol	6000	mg/L	
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Kd	Kd	0.12	mg/L	
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Koc	Koc		mg/L	
-----	-----	--	------	--

Photolysis half-life	kdp	4	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
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Aerobic Soil Metabolism	asm	55	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	60	days	Half-life	
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Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI	0.1	cm	
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Application Rate: TAPP	0.0554	kg/ha		
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Application Efficiency: APPEFF	0.99	fraction		
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Spray Drift DRFT	0	fraction of application rate applied to pond		
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Application Date	Date	31-3	dd/mm or dd/mmm or dd-mm or dd-mmm	
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Record 17: FILTRA

IPSCND	1
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UPTKF	
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Record 18: PLVKRT

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

Sugar Beet (85% incorporated)

stored as beet.out

Chemical: Aldicarb

PRZM environment: CAsugarbeet_NirrigOP.txt modified Thuday, 17
June 2004 at 07:15:12

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

Metfile: w93193.dvf modified Wedday, 3 July 2002 at 08:04:24

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.03054		0.02922	0.02688	0.01616	0.01077
	0.002656					
1962	0.0391		0.03648	0.0277	0.01777	0.01325
	0.005537					
1963	2.675	2.538	2.313	1.457	1.131	0.2923
1964	0.002133		0.001969	0.001622	0.00113	0.0007772
	0.000213					
1965	8.261	7.763	6.304	4.031	2.931	0.7407
1966	0.005592		0.005301	0.004709	0.002897	0.001932
	0.0004879					
1967	10.45	9.966	8.528	5.45	3.956	1.016
1968	1.092	1.022	0.7853		0.5098	0.3867
						0.102
1969	3.046	2.868	2.249	1.303	0.9171	0.2329
1970	17.79	17.04	14.09	9.198	6.785	1.718
1971	2.472	2.331	1.829	1.075	0.7545	0.1905
1972	0.05605		0.04973	0.03156	0.01456	0.009853
	0.002584					
1973	0.1326		0.1239	0.09466	0.05972	0.04567
	0.01837					
1974	0.729	0.6859		0.5367	0.3672	0.2955
						0.08047
1975	0.009599		0.009182	0.007656	0.005206	0.005364
	0.00225					
1976	0.001751		0.001672	0.001384	0.0009243	0.0009171
	0.0003381					
1977	0.1111		0.1034	0.07789	0.03972	0.03416
	0.009011					
1978	8.947	8.429	6.951	4.181	2.976	0.772
1979	1.663	1.574	1.259	0.7914	0.5744	0.1446
1980	0.9613		0.9149	0.7861	0.511	0.3749
						0.09486
1981	0.5938		0.554	0.4132	0.218	0.1515
						0.03853
1982	11.48	10.9	8.646	5.2	3.689	0.9273
1983	13.35	12.66	10.24	6.631	4.939	1.253
1984	4.909e-005		4.675e-005	3.927e-005	2.222e-005	1.588e-005
	7.907e-006					
1985	0.005954		0.005532	0.00429	0.003383	0.002498
	0.000624					
1986	0.6198		0.5833	0.4571	0.2749	0.1964
	0.04928					
1987	1.365	1.295	1.068	0.6573	0.6105	0.1696
1988	3.512	3.299	2.527	1.532	1.075	0.2793
1989	1.959	1.85	1.469	0.9821	0.7411	0.1906
1990	0.8865		0.8214	0.599	0.3495	0.2443
						0.06066

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	17.79	17.04	14.09	9.198	6.785 1.718
0.0645161290322581		13.35	12.66	10.24	6.631 4.939 1.253
0.0967741935483871		11.48	10.9	8.646	5.45 3.956 1.016
0.129032258064516	10.45	9.966	8.528	5.2	3.689 0.9273
0.161290322580645	8.947	8.429	6.951	4.181	2.976 0.772
0.193548387096774	8.261	7.763	6.304	4.031	2.931 0.7407
0.225806451612903	3.512	3.299	2.527	1.532	1.131 0.2923
0.258064516129032	3.046	2.868	2.313	1.457	1.075 0.2793
0.290322580645161	2.675	2.538	2.249	1.303	0.9171 0.2329
0.32258064516129	2.472	2.331	1.829	1.075	0.7545 0.1906
0.354838709677419	1.959	1.85	1.469	0.9821	0.7411 0.1905
0.387096774193548	1.663	1.574	1.259	0.7914	0.6105 0.1696
0.419354838709677	1.365	1.295	1.068	0.6573	0.5744 0.1446
0.451612903225806	1.092	1.022	0.7861	0.511	0.3867 0.102
0.483870967741936	0.9613		0.9149	0.7853	0.5098
0.516129032258065	0.3749	0.09486			
0.548387096774194	0.8865		0.8214	0.599	0.3672 0.2955
0.580645161290323	0.08047				
0.612903225806452	0.729	0.6859		0.5367	0.3495 0.2443
0.645161290322581	0.06066				
0.67741935483871	0.6198		0.5833	0.4571	0.2749
0.709677419354839	0.1964	0.04928			
0.741935483870968	0.612903225806452	0.5938	0.554	0.4132	0.218 0.1515
0.774193548387097	0.03853				
0.806451612903226	0.645161290322581	0.1326	0.1239	0.09466	0.05972
0.838709677419355	0.04567	0.01837			
0.870967741935484	0.67741935483871	0.1111	0.1034	0.07789	0.03972
0.903225806451613	0.03416	0.009011			
0.935483870967742	0.709677419354839	0.05605	0.04973	0.03156	0.01777
0.967741935483871	0.01325	0.005537			
	0.741935483870968	0.0391	0.03648	0.0277	0.01616
	0.01077	0.002656			
	0.774193548387097	0.03054	0.02922	0.02688	0.01456
	0.009853	0.002584			
	0.806451612903226	0.009599	0.009182	0.007656	0.005206
	0.005364	0.00225			
	0.838709677419355	0.005954	0.005532	0.004709	0.003383
	0.002498	0.000624			
	0.870967741935484	0.005592	0.005301	0.00429	0.002897
	0.001932	0.0004879			
	0.903225806451613	0.002133	0.001969	0.001622	0.00113
	0.0009171	0.0003381			
	0.935483870967742	0.001751	0.001672	0.001384	0.0009243
	0.0007772	0.000213			
	0.967741935483871	4.909e-005	4.675e-005	3.927e-005	2.222e-005
	1.588e-005	7.907e-006			
0.1	11.377	10.8066	8.6342	5.425	3.9293 1.00713
			Average of yearly averages:		
	0.279822630233333				

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

Data used for this run:
Output File: beet
Metfile: w93193.dvf

```

PRZM scenario:      CASugarbeet_NirrigOP.txt
EXAMS environment file: pond298.exv
Chemical Name:     Aldicarb
Description Variable Name      Value Units Comments
Molecular weight  mwt      190.2 g/mol
Henry's Law Const.      henry 1.7E-10      atm-m^3/mol
Vapor Pressure      vapr      2.55E-5      torr
Solubility      sol      6000 mg/L
Kd      Kd      0.12 mg/L
Koc      Koc      mg/L
Photolysis half-life      kdp      4      days      Half-life
Aerobic Aquatic Metabolism      kbacw 12      days      Halfife
Anaerobic Aquatic Metabolism      kbacs 24      days      Halfife
Aerobic Soil Metabolism      asm      55      days      Halfife
Hydrolysis: pH 5      0      days      Half-life
Hydrolysis: pH 7      0      days      Half-life
Hydrolysis: pH 9      60      days      Half-life
Method:      CAM      8      integer      See PRZM manual
Incorporation Depth:      DEPI 0.1      cm
Application Rate: TAPP      0.353 kg/ha
Application Efficiency: APPEFF      0.99      fraction
Spray Drift DRFT      0      fraction of application rate applied to pond
Application Date      Date      1-3      dd/mm or dd/mm or dd-mm or dd-mmm
Interval 1 interval      30      days      Set to 0 or delete line for single
app.
Record 17: FILTRA
      IPSCND      1
      UPTKF
Record 18: PLVKRT
      PLDKRT
      FEXTRC      0.5
Flag for Index Res. Run IR      Pond
Flag for runoff calc.      RUNOFF      none      none, monthly or
total(average of entire run)

```

Sugar Beet (99% incorporated)

stored as beet1%.out

Chemical: Aldicarb

PRZM environment: CAsugarbeet_NirrigOP.txt modified Thuday, 17
June 2004 at 08:15:12

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.002033		0.001945	0.00179	0.001076	0.000717
	0.0001768					
1962	0.002603		0.002428	0.001844	0.001183	0.000882
	0.0003686					
1963	0.178	0.169	0.154	0.09699	0.0753	0.01946
1964	0.000142		0.0001311	0.000108	7.522e-005	5.174e-005
	1.418e-005					
1965	0.55	0.5222	0.4246	0.2715	0.1974	0.04988
1966	0.0003723		0.000353	0.0003136	0.0001929	0.0001286
	3.249e-005					
1967	0.6957		0.6635	0.5678	0.3628	0.2634
	0.06768					
1968	0.07268		0.06805	0.05229	0.03394	0.02574
	0.00679					
1969	0.2028		0.1909	0.1497	0.08675	0.06106
	0.0155					
1970	1.184	1.134	0.9377	0.6122	0.4516	0.1143
1971	0.1646		0.1552	0.1217	0.07152	0.05022
	0.01268					
1972	0.003731		0.00331	0.0021	0.0009688	0.0006558
	0.000172					
1973	0.008825		0.00825	0.006302	0.003976	0.003041
	0.001223					
1974	0.04853		0.04566	0.03573	0.02444	0.01967
	0.005357					
1975	0.0006392		0.0006114	0.0005098	0.0003466	0.0003571
	0.0001498					
1976	0.0001166		0.0001113	9.212e-005	6.152e-005	6.105e-005
	2.251e-005					
1977	0.007395		0.006887	0.005186	0.002645	0.002274
	0.0006					
1978	0.5956		0.5611	0.4628	0.2783	0.1981
	0.05139					
1979	0.1107		0.1047	0.08382	0.05267	0.03823
	0.009625					
1980	0.064	0.06091	0.05234	0.03402	0.02496	0.006315
1981	0.03952		0.03687	0.0275	0.01451	0.01008
	0.002565					
1982	0.7646		0.7256	0.5757	0.3462	0.2456
	0.06174					
1983	0.8886		0.8429	0.6816	0.4415	0.3288
	0.0834					
1984	3.268e-006		3.112e-006	2.614e-006	1.479e-006	1.057e-006
	5.265e-007					

1985	0.0003963 4.153e-005	0.0003682	0.0002855	0.0002251	0.0001662
1986	0.04125 0.00328	0.03883	0.03043	0.0183	0.01307
1987	0.09089 0.01129	0.08626	0.07108	0.04377	0.04065
1988	0.2338	0.2196	0.1682	0.102	0.07156
1989	0.1304 0.01268	0.1231	0.09778	0.06537	0.04933
1990	0.05905 0.004041	0.05471	0.0399	0.02328	0.01627

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.1143	1.184	1.134	0.9377	0.6122	0.4516
0.0645161290322581	0.3288	0.8886	0.8429	0.6816	0.4415	
0.0967741935483871	0.2634	0.7646	0.7256	0.5757	0.3628	
0.129032258064516	0.2456	0.6957	0.6635	0.5678	0.3462	
0.161290322580645	0.1981	0.5956	0.5611	0.4628	0.2783	
0.193548387096774	0.04988	0.55	0.5222	0.4246	0.2715	0.1974
0.225806451612903	0.01946	0.2338	0.2196	0.1682	0.102	0.0753
0.258064516129032	0.01859	0.2028	0.1909	0.154	0.09699	0.07156
0.290322580645161	0.0155	0.178	0.169	0.1497	0.08675	0.06106
0.32258064516129	0.05022	0.1646	0.1552	0.1217	0.07152	
0.354838709677419	0.04933	0.1304	0.1231	0.09778	0.06537	
0.387096774193548	0.04065	0.1107	0.1047	0.08382	0.05267	
0.419354838709677	0.03823	0.09089	0.08626	0.07108	0.04377	
0.451612903225806	0.02574	0.07268	0.06805	0.05234	0.03402	
0.483870967741936	0.006315	0.064	0.06091	0.05229	0.03394	0.02496
0.516129032258065	0.01967	0.05905	0.05471	0.0399	0.02444	
0.548387096774194	0.01627	0.04853	0.04566	0.03573	0.02328	
0.580645161290323	0.01307	0.04125	0.03883	0.03043	0.0183	
0.612903225806452	0.01008	0.03952	0.03687	0.0275	0.01451	
0.645161290322581	0.003041	0.008825	0.00825	0.006302	0.003976	
0.67741935483871	0.002274	0.007395	0.006887	0.005186	0.002645	

0.709677419354839	0.003731	0.00331	0.0021	0.001183
0.000882	0.0003686			
0.741935483870968	0.002603	0.002428	0.001844	0.001076
0.000717	0.0001768			
0.774193548387097	0.002033	0.001945	0.00179	0.0009688
0.0006558	0.000172			
0.806451612903226	0.0006392	0.0006114	0.0005098	0.0003466
0.0003571	0.0001498			
0.838709677419355	0.0003963	0.0003682	0.0003136	0.0002251
0.0001662	4.153e-005			
0.870967741935484	0.0003723	0.000353	0.0002855	0.0001929
0.0001286	3.249e-005			
0.903225806451613	0.000142	0.0001311	0.000108	7.522e-005
6.105e-005	2.251e-005			
0.935483870967742	0.0001166	0.0001113	9.212e-005	6.152e-005
5.174e-005	1.418e-005			
0.967741935483871	3.268e-006	3.112e-006	2.614e-006	1.479e-006
1.057e-006	5.265e-007			

0.1	0.75771	0.71939	0.57491	0.36114	0.26162
	0.067086				

Average of yearly averages:

0.0186454812166667

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

Data used for this run:

Output File: beet1%

Metfile: w93193.dvf

PRZM scenario: CASugarbeet_NirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	190.2	g/mol	
Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
Vapor Pressure	vapr	2.55E-5	torr	
Solubility	sol	6000	mg/L	
Kd	Kd	0.12	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	4	days	Half-life
Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
Aerobic Soil Metabolism	asm	55	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	60	days		Half-life
Method:	CAM	8	integer	See PRZM manual
Incorporation Depth:	DEPI	0.1	cm	
Application Rate:	TAPP	0.0235	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	1-3	dd/mm or dd/mm/ or dd-mm or dd-mmm	
Interval 1	interval	30	days	Set to 0 or delete line for single app.

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR Pond

Flag for runoff calc. RUNOFF none none, monthly or

total(average of entire run)

Citrus (85% incorporated)

Citrus (99% incorporated)

stored as citrus.out

Chemical: Aldicarb

PRZM environment: CAcitrus_NirrigC.txt modified Thuday, 17 June 2004
at 08:14:54

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0	0	0	0	0	0	
1962	1.241e-006		1.191e-006	1.007e-006	6.89e-007	5.138e-007	
	1.317e-007						
1963	0.0023		0.002174	0.001732	0.001126	0.0008494	
	0.0002184						
1964	5.917e-009		5.736e-009	5.038e-009	3.742e-009	2.977e-009	
	8.102e-010						
1965	3.314e-005		2.425e-005	4.618e-006	1.616e-006	1.078e-006	
	2.659e-007						
1966	3.939e-005		3.795e-005	3.256e-005	1.862e-005	1.455e-005	
	6.079e-006						
1967	2.42e-005		2.331e-005	2.001e-005	1.44e-005	1.13e-005	
	3.085e-006						
1968	1.032e-011		1.003e-011	8.875e-012	6.497e-012	5.046e-012	
	1.342e-012						
1969	1.381e-012		1.326e-012	1.125e-012	7.848e-013	6.054e-013	
	1.59e-013						
1970	0.004734		0.004457	0.003652	0.00193	0.001287	
	0.0003274						
1971	0.002058		0.00198	0.001689	0.001203	0.0009358	
	0.0002494						
1972	0.09602		0.08409	0.05112	0.02263	0.01523	
	0.003754						
1973	5.142e-006		4.951e-006	4.24e-006	2.965e-006	2.289e-006	
	6.069e-007						
1974	0.03728		0.03412	0.02413	0.01356	0.01014	
	0.002507						
1975	0.0024		0.002313	0.001987	0.001408	0.001088	
	0.0002902						
1976	9.962e-010		9.66e-010	8.489e-010	6.237e-010	4.913e-010	
	1.325e-010						
1977	0.02536		0.02169	0.01233	0.005614	0.003851	
	0.0009641						
1978	0.0002114		0.000201	0.0001637	0.000108	8.146e-005	
	2.13e-005						
1979	7.82e-007		7.483e-007	6.247e-007	4.267e-007	3.249e-007	
	8.441e-008						
1980	3.564e-006		3.458e-006	2.877e-006	1.913e-006	1.459e-006	
	3.826e-007						
1981	1.844e-007		1.762e-007	1.439e-007	9.447e-008	7.067e-008	
	1.809e-008						
1982	4.76e-007		4.561e-007	3.894e-007	1.884e-007	1.256e-007	3.1e-008

1983	0.01868 0.0007413	0.01613	0.009429	0.004286	0.002945
1984	7.426e-005 9.206e-006	7.147e-005	6.108e-005	4.356e-005	3.398e-005
1985	4.076e-005 3.835e-006	3.889e-005	3.21e-005	2.106e-005	1.404e-005
1986	1.516e-005 1.639e-006	1.448e-005	1.199e-005	8.117e-006	6.203e-006
1987	0.002041 0.0001938	0.001946	0.001601	0.00109	0.0007267
1988	0.0005905 6.912e-005	0.0005681	0.0004848	0.0003407	0.000262
1989	2.685e-010 3.881e-011	2.619e-010	2.354e-010	1.816e-010	1.449e-010
1990	1.139e-015 1.761e-016	1.111e-015	1.001e-015	7.85e-016	6.387e-016

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.01523	0.003754	0.09602	0.08409	0.05112	0.02263
0.0645161290322581	0.01014	0.002507	0.03728	0.03412	0.02413	0.01356
0.0967741935483871	0.003851	0.0009641	0.02536	0.02169	0.01233	0.005614
0.129032258064516	0.002945	0.0007413	0.01868	0.01613	0.009429	0.004286
0.161290322580645	0.001287	0.0003274	0.004734	0.004457	0.003652	0.00193
0.193548387096774	0.001088	0.0002902	0.0024	0.002313	0.001987	0.001408
0.225806451612903	0.0009358	0.0002494	0.0023	0.002174	0.001732	0.001203
0.258064516129032	0.0008494	0.0002184	0.002058	0.00198	0.001689	0.001126
0.290322580645161	0.0007267	0.0001938	0.002041	0.001946	0.001601	0.00109
0.32258064516129	0.000262	6.912e-005	0.0005905	0.0005681	0.0004848	0.0003407
0.354838709677419	8.146e-005	2.13e-005	0.0002114	0.000201	0.0001637	0.000108
0.387096774193548	3.398e-005	9.206e-006	7.426e-005	7.147e-005	6.108e-005	4.356e-005
0.419354838709677	1.455e-005	6.079e-006	4.076e-005	3.889e-005	3.256e-005	2.106e-005
0.451612903225806	1.404e-005	3.835e-006	3.939e-005	3.795e-005	3.21e-005	1.862e-005
0.483870967741936	1.13e-005	3.085e-006	3.314e-005	2.425e-005	2.001e-005	1.44e-005
0.516129032258065	6.203e-006	1.639e-006	2.42e-005	2.331e-005	1.199e-005	8.117e-006
0.548387096774194	2.289e-006	6.069e-007	1.516e-005	1.448e-005	4.618e-006	2.965e-006
0.580645161290323	1.459e-006	3.826e-007	5.142e-006	4.951e-006	4.24e-006	1.913e-006
0.612903225806452	1.078e-006	2.659e-007	3.564e-006	3.458e-006	2.877e-006	1.616e-006

0.645161290322581	1.241e-006	1.191e-006	1.007e-006	6.89e-007
5.138e-007	1.317e-007			
0.67741935483871	7.82e-007	7.483e-007	6.247e-007	4.267e-007
3.249e-007	8.441e-008			
0.709677419354839	4.76e-007	4.561e-007	3.894e-007	1.884e-007
1.256e-007	3.1e-008			
0.741935483870968	1.844e-007	1.762e-007	1.439e-007	9.447e-008
7.067e-008	1.809e-008			
0.774193548387097	5.917e-009	5.736e-009	5.038e-009	3.742e-009
2.977e-009	8.102e-010			
0.806451612903226	9.962e-010	9.66e-010	8.489e-010	6.237e-010
4.913e-010	1.325e-010			
0.838709677419355	2.685e-010	2.619e-010	2.354e-010	1.816e-010
1.449e-010	3.881e-011			
0.870967741935484	1.032e-011	1.003e-011	8.875e-012	6.497e-012
5.046e-012	1.342e-012			
0.903225806451613	1.381e-012	1.326e-012	1.125e-012	7.848e-013
6.054e-013	1.59e-013			
0.935483870967742	1.139e-015	1.111e-015	1.001e-015	7.85e-016
6.387e-016	1.761e-016			
0.967741935483871	0	0	0	0
0.1	0.024692	0.021134	0.0120399	0.0054812
	0.00094182			0.0037604
			Average of yearly averages:	
	0.000312046186100372			

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

Data used for this run:

Output File: citrus

Metfile: w23155.dvf

PRZM scenario: CAcitrus_NirrigC.txt

EXAMS environment file: pond298.exv

Chemical Name: Aldicarb

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	190.2	g/mol	
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Henry's Law Const.	henry	1.7E-10		atm-m ³ /mol
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Vapor Pressure	vapr	2.55E-5	torr	
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Solubility	sol	6000	mg/L	
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Kd	Kd	0.12	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	4	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	12	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	24	days	Halfife
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Aerobic Soil Metabolism	asm	55	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	60	days	Half-life	
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Method:	CAM	8	integer	See PRZM manual
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Incorporation Depth:	DEPI	0.1	cm	
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Application Rate:	TAPP	0.0554	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0	fraction of application rate applied to pond	
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Application Date	Date	1-6	dd/mm or dd/mm/ or dd-mm or dd-mm/	
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Record 17: FILTRA

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