Appendix D

Example PRZM/EXAMS Output File

stored as CANuGN.out
Chemical: Triflualin
PRZM environment: CAnurserySTD_V2.txt modified Tueday, 27 May 2008 at 11:16:22
EXAMS environment: pond298.exv modified Tueday, 26 August 2008 at 06:14:08
Metfile: w23188.dvf modified Tueday, 26 August 2008 at 06:15:38
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0.2759	0.1855	0.07257	0.05487	0.04154	0.01059	
1962	0.3807	0.2884	0.123	0.07192	0.05335	0.01931	
1963	1.311	0.8537	0.3124	0.1599	0.1615	0.05009	
1964	0.3241	0.2199	0.1149	0.05855	0.04985	0.0222	
1965	2.47	1.698	0.831	0.6003	0.4185	0.1317	
1966	3.758	2.502	0.9866	0.5263	0.4186	0.1445	
1967	1.125	0.8616	0.334	0.1762	0.1425	0.06844	
1968	1.872	1.23	0.4311	0.1874	0.1347	0.04968	
1969	1.222	0.8025	0.3303	0.1891	0.1386	0.0446	
1970	0.5893	0.3912	0.1542	0.09217	0.08303	0.03586	
1971	1.554	1.082	0.4116	0.1902	0.158	0.05373	
1972	1.079	0.8216	0.3355	0.1648	0.1185	0.04058	
1973	0.3556	0.2331	0.08822	0.049	0.04586	0.02291	
1974	0.6338	0.4271	0.1577	0.08839	0.06716	0.03504	
1975	3.347	2.198	0.8556	0.4013	0.2906	0.08872	
1976	1.257	0.8194	0.292	0.1508	0.1126	0.05583	
1977	6.666	5.046	1.86	0.837	0.6127	0.2571	
1978	1.987	1.334	0.8066	0.4543	0.3959	0.1419	
1979	1.472	0.9761	0.3582	0.2093	0.1722	0.06807	
1980	1.057	0.7013	0.3094	0.2601	0.2151	0.07812	
1981	10.5	6.861	2.776	1.245	0.8998	0.2583	
1982	5.369	3.469	1.32	0.5634	0.4011	0.1333	
1983	7.355	4.847	1.837	0.8595	0.6197	0.1864	
1984	0.9987	0.6623	0.275	0.1349	0.1072	0.02841	
1985	2.485	1.639	0.6966	0.3582	0.2642	0.08025	
1986	5.56	3.745	1.468	0.8651	0.6625	0.2196	
1987	1.018	0.6921	0.3125	0.2279	0.1973	0.08745	
1988	1.794	1.167	0.4359	0.1914	0.1379	0.06221	
1989	0.1836	0.1243	0.04252	0.02945	0.02651	0.01214	
1990	0.2291	0.1497	0.06878	0.03843	0.02934	0.01832	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	10.5	6.861	2.776	1.245	0.8998	0.2583	
0.0645161290322581	7.355	5.046	1.86	0.8651	0.6625	0.2571	
0.0967741935483871	6.666	4.847	1.837	0.8595	0.6197	0.2196	
0.129032258064516	5.56	3.745	1.468	0.837	0.6127	0.1864	
0.161290322580645	5.369	3.469	1.32	0.6003	0.4186	0.1445	
0.193548387096774	3.758	2.502	0.9866	0.5634	0.4185	0.1419	
0.225806451612903	3.347	2.198	0.8556	0.5263	0.4011	0.1333	
0.258064516129032	2.485	1.698	0.831	0.4543	0.3959	0.1317	
0.290322580645161	2.47	1.639	0.8066	0.4013	0.2906	0.08872	
0.32258064516129	1.987	1.334	0.6966	0.3582	0.2642	0.08745	
0.354838709677419	1.872	1.23	0.4359	0.2601	0.2151	0.08025	
0.387096774193548	1.794	1.167	0.4311	0.2279	0.1973	0.07812	
0.419354838709677	1.554	1.082	0.4116	0.2093	0.1722	0.06844	

```
0.451612903225806 1.472 0.9761      0.3582      0.1914      0.1615
      0.06807
0.483870967741936 1.311 0.8616      0.3355      0.1902      0.158 0.06221
0.516129032258065 1.257 0.8537      0.334 0.1891      0.1425      0.05583
0.548387096774194 1.222 0.8216      0.3303      0.1874      0.1386
      0.05373
0.580645161290323 1.125 0.8194      0.3125      0.1762      0.1379
      0.05009
0.612903225806452 1.079 0.8025      0.3124      0.1648      0.1347
      0.04968
0.645161290322581 1.057 0.7013      0.3094      0.1599      0.1185
      0.0446
0.67741935483871  1.018 0.6921      0.292 0.1508      0.1126      0.04058
0.709677419354839 0.9987      0.6623      0.275 0.1349      0.1072
      0.03586
0.741935483870968 0.6338      0.4271      0.1577      0.09217     0.08303
      0.03504
0.774193548387097 0.5893      0.3912      0.1542      0.08839     0.06716
      0.02841
0.806451612903226 0.3807      0.2884      0.123 0.07192     0.05335
      0.02291
0.838709677419355 0.3556      0.2331      0.1149      0.05855     0.04985
      0.0222
0.870967741935484 0.3241      0.2199      0.08822     0.05487     0.04586
      0.01931
0.903225806451613 0.2759      0.1855      0.07257     0.049 0.04154
      0.01832
0.935483870967742 0.2291      0.1497      0.06878     0.03843     0.02934
      0.01214
0.967741935483871 0.1836      0.1243      0.04252     0.02945     0.02651
      0.01059

0.1   6.5554      4.7368      1.8001      0.85725     0.619 0.21628
                              Average of yearly averages:
      0.0835116666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: CANuGN
Metfile:    w23188.dvf
PRZM scenario:    CAnurserySTD_V2.txt
EXAMS environment file: pond298.exv
Chemical Name:    Triflualin
Description Variable Name     Value Units Comments
Molecular weight  mwt   335.28      g/mol
Henry's Law Const.      henry 1.62E-4     atm-m^3/mol
Vapor Pressure    vapr  1.1E-4      torr
Solubility  sol   0.3   mg/L
Kd    Kd          mg/L
Koc   Koc   8757.9      mg/L
Photolysis half-life    kdp   0.37  days  Half-life
Aerobic Aquatic Metabolism    kbacw 438   days  Halfife
Anaerobic Aquatic Metabolism  kbacs 29.5  days  Halfife
Aerobic Soil Metabolism asm   219   days  Halfife
Hydrolysis: pH 7  0     days  Half-life
Method:     CAM   1     integer     See PRZM manual
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Incorporation Depth:    DEPI  0     cm
Application Rate: TAPP  4.48  kg/ha
Application Efficiency: APPEFF      1.0   fraction
Spray Drift DRFT  0.0   fraction of application rate applied to pond
Application Date  Date  01-03 dd/mm or dd/mmm or dd-mm or dd-mmm
Interval 1  interval    60    days  Set to 0 or delete line for single app.
app. rate 1 apprate     4.48  kg/ha
Interval 2  interval    60    days  Set to 0 or delete line for single app.
app. rate 2 apprate     4.48  kg/ha
Record 17:  FILTRA
      IPSCND      1
      UPTKF
Record 18:  PLVKRT
      PLDKRT
      FEXTRC      0
Flag for Index Res. Run IR    EPA Pond
Flag for runoff calc.   RUNOFF      none  none, monthly or total(average of
entire run)
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