UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC
SUBSTANCES

MEMORANDUM

SUBJECT: Comparative Drinking Water Assessment for Proposed and Registered Fipronil Uses (PC Code 129121; DP Barcode D318481, D318373, D313295).

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This memorandum provides a comparative drinking water assessment for the following proposed and registered fipronil uses: 1.) in-furrow, at plant use on sweet potato/potato; 2.) Section 18 for in-furrow, at plant use on rutabagas and turnips in Oregon; 3:) in-furrow, at plant corn; corn seed treatment at 30 inch and 15 inch row spacings; 4.) onion seed treatment; 5.) in-slit treatment for mole cricket; 6.) broadcast application for fire ants; and 7.) broadcast application of Texas leaf-cutter bait. The drinking water assessment is based on screening level models because available monitoring data represent cancelled fipronil uses (i.e., rice) or are not targeted to all fipronil use areas. Residues included in the modeling include fipronil (5-amino-1-(2,6-dichloro-4-(trifluoromethyl)phenyl)-4-((1,R,S)-(trifluoromethyl) sulfinyl)-1-H-pyrazole-3-carbonitrile), MB136 (5-amino-1-(2,6-dichloro-4-trifluoro methylphenyl)-3-cyano-4-trifluoromethyl-sulphonyl-pyrazole), MB513 ((5-amino-3-cyano-1-(2,6-dichloro-4-trifluoromethyl-phenyl)-4-trifluoro-methylpyrazole),and MB950 (5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-trifluoro-methyl-thio-pyrazole).

From the registered and proposed uses for fipronil, the highest concentrations of fipronil and its degradation products in surface source drinking water are expected to be from broadcast bait for control of Texas leaf-cutter ants. Fipronil concentrations in source surface water are not expected to exceed 29.143 µg/L for the 1 in 10 year peak concentration, 2.974 µg/L for 1 in 10 year annual average concentration, and 1.943 µg/L for the 30 year annual average concentration. A complete accounting of residue concentrations can be found in Table 5. Reasons for the high fipronil residue concentrations for the Texas leaf cutter use are as follows:

1.) No soil incorporation was considered in the Texas leaf cutter assessment because the treatment is a broadcast bait.
2.) Application rates were higher than all uses except the onion seed treatment.
3.) The surrogate Texas alfalfa scenario is a high runoff scenario.

The highest ground water concentrations for fipronil and degradation products were found for the onion seed use because of the high fipronil application rate (0.56 kg ai/ha). Peak and chronic concentrations in shallow, source ground water are not expected to exceed 0.080 µg/L for fipronil, 0.003 µg/L for MB136, 0.000962 µg/L for MB513, and 0.00115 µg/L for MB950. A complete accounting of estimated fipronil residue concentrations in shallow, ground water are shown in Table 6.

Major uncertainties in the assessment are the inability to account for fipronil release rates from seed treatment uses and the lack of information on ant foraging effects on dissipation rates of the broadcast bait for leaf cutter ants. Because these effects were not considered in the modeling, conservative assumptions were used to ensure conservative estimation of fipronil residue concentrations in drinking water.

Surface Water Modeling

PRZM (3.12 beta) and EXAM (2.97.5) using PE4V01.pl (August 13, 2003) modeling was conducted using standard scenarios which are representative of high runoff areas or specific use areas. Table 1 provides a summary of the rationale for selection of standard scenarios in the drinking water exposure assessment.

Table 1: Rational for Selection of Standard Scenarios

Use Scenario	Selected Scenario	Rationale for Selection of Scenario
Potato/Sweet Potato	NC sweetpotato	High runoff scenario
Rutabagas/Turnips	Oregon sweet corn	Scenario developed in Section 18 Use Area (Marion County, OR)
In-Furrow Corn	MS corn	High runoff scenario
Seed Corn Treatment	MS corn	High runoff scenario
Onion Seed Treatment	GA onion	High runoff scenario
Broadcast Bait Texas Leafcutter Ants	TX alfalfa	High runoff scenario
In-slit mole cricket	FL turf	High runoff scenario
Broadcast Fire Ant	FL turf	High runoff scenario

Data used as input for the PRZM/EXAMS modeling of fipronil are shown in Table 2.

Table 2: Environmental Fate Data for Fipronil

Parameter	Value	Source
Soil K_{oc}	727 mL/g[1]	MRID 44039003
Aerobic soil half-life	128 days	MRID 42918663
Plotolysis Half-life	0.16 days	MRID 42918661
Hydrolysis pH 7	Stable	MRID 42194701
Aerobic Aquatic Half-life	33.7 days[2]	MRID 44661301, 44261909
Anaerobic Aquatic Half-life	33.7 days[2]	MRID 44661301, 44261909
Water solubility	2.4 mg/L	EFGWB one-liner

1- Mean Koc value
2-Represents the 90th percentile of the mean

The simulated application parameters in PRZM for the various fipronil uses are shown in Table 3. With the exception of in-slit applications for mole crickets, the fipronil uses were single applications. Application depths for in-furrow treatments were assumed to be equivalent to the seeding depth. Seed treatments application rates were estimated according to the label recommended seed treatment rate and the field seeding rates (lbs of seeds/A).

Table 3: Fipronil Application Parameters for PRZM: Rate, Application Frequency, PRZM Application Method (CAM), and Depth of Application

Use Scenario	Label Reference	AppRate (kg/ha)	Number of Apps	CAM	App Depth (cm)
Potato/Sweet Potato	Regent® 4 SC EPA Reg. No. 7969-207	0.112	1	7	10.16
Rutabagas/Turnips	Regent® 4 SC EPA Reg. No. 7969-207 Amended for Section 18	0.1456	1	5	1.27
In-Furrow Corn Regular (30 inch) Row Spacing	REGENT® 4SC EPA Reg No. 7969-207	0.1456	1	5	4
In-Furrow Corn-Narrow (15 inch) Row Spacing[3]	REGENT® 4SC EPA Reg No. 7969-207 Pending Registration	0.2912	NA	NA	NA
Seed Corn Treatment	REGENT® TS EPA Reg No. 7969-223	0.02[1]	1	5	4
Onion Seed Treatment	ICON® 6.2 FS EPA Reg pending	0.56[2]	1	5	0.635
Broadcast Bait Texas Leafcutter Ants	Proposed Label for BES 100 Insecticide	0.322	1	8	0.1
In-slit mole cricket	Chipco®Choice EPA Reg. No. 432-896	0.028	2	8	2
Broadcast Fire Ant	Chipco®Choice EPA Reg. No. 432-896	0.0140	1	8	0.1

1- Application rate for the corn seed treatment was determined assuming 0.101 lbs ai/100 lbs of seed and seeding rate of 18.3 lbs of seed/A.

2- Application rate for the onion seed treatment was determined assuming 0.025 lbs ai/1lb of seed and seeding rate of 20 lbs of seed/A. Onion seeding rates were found at http://aggie-horticulture.tamu.edu/extension/vegetable/cropguides/onion.htm

3. Narrow row spacing from 30 inch rows to 15 inch rows will double the application rate. No PRZM-EXAMS simulation were conducted because estimated concentration are proportional (2X) from the 30 inch row spacing for in-furrow corn.

EFED also conducted surface water modeling for the individual degradation products including MB 46513, MB 46136 and MB45950. Environmental fate properties of the fipronil degradates are shown in Table 4. The modeling was conducted assuming the maximum daily conversion efficiency for the compound was represented by the maximum percentage formed in the environmental fate laboratory studies. Because the fipronil degradation products are formed through abiotic or biotic degradation pathways in soil and water, the degradation products were assumed to have a 100% application efficiency on the soil surface. There was no correction for molecular weight because the molecular weights of fipronil and degradation products are similar. Application rates are based on a fipronil equivalence basis. Estimation of summed residue concentrations (fipronil+degradation products) is conservative because maximum degradation concentrations of fipronil degradation products is unlikely to occur in the environment.

Table 4: Environmental Fate Data for Fipronil Degradation Products			
Fate Parameter	**MB 46136**	**MB 46513**	**MB 45950**
Mean Koc	4208 mL/g	1290 mL/g	2719 mL/g
Aerobic Soil Metabolism Half-life	700 days	660 days	700 days
Aqueous Photolysis Half-life	7 days	Stable	Stable
Hydrolysis Half-life	Stable	Stable	Stable
Aquatic Metabolism Half-lives	1400 days	1320 days	1400 days
Water Solubility	0.16 mg/L	0.95 mg/L	0.1 mg/L
% of Fipronil Application Rate	23.9	0.96	4.9
References	**RP# 201555 ACD/EAS/Im/255 Theissen 10/97**	MRID 44262831 44262830 **Theissen 10/97**	**RP 201578 Theissen 10/97**

PRZM/EXAMS Simulations

PRZM/EXAMS simulations of the various registered and proposed uses of fipronil show a range of estimated concentrations in drinking water (Table 5; Appendix A). The highest concentration of fipronil and its degradation products are associated with the proposed fipronil use to control Texas leaf cutter ants. This proposed use pattern has a high application rate of a surface broadcast bait. One uncertainty is the dissipation rate of the bait from the soil surface because the ants are expected to actively remove the bait from the soil surface. The proposed onion seed use of fipronil is expected to yield high concentrations in drinking water due to the high application rate (0.56 kg ai/ha) coupled with a shallow seed incorporation depth. These estimated concentrations are expected to be conservative because it assumes that fipronil on the seed coat is available for runoff, leaching, and degradation.

Table 5: Estimated Fipronil and Degradation Product PCA[1] Corrected- Concentrations (ng fipronil equivalence/L) in the PRZM-EXAMS Standard Index Reservoir												
Fipronil Uses	1 in 10 year Peak Concentration				1 in 10 year Annual Average Concentration				30 year Annual Average Concentration			
	Fipronil	MB136	MB513	MB950	Fipronil	MB136	MB513	MB950	Fipronil	MB136	MB513	MB950
Potato/Sweet Potato	0	0	0	0	0	0	0	0	0	0	0	0
Rutabagas/Turnips	869	520.7	277.0	126.6	170.1	266.9	12.2	62.4	123.9	209.1	10.1	50.0
In-Furrow Corn	667.8	255.5	25.1	87.5	666.9	214.4	23.5	78.2	32.9	145.7	15.8	51.6
In-Furrow Corn[2] Narrow Row	1335.6	511	50.2	175	1339.8	428.8	47	156.4	65.8	291.4	31.6	103.2
Seed Corn Treatment	91.7	13.9	1.1	3.1	9.1	6.3	3.3	1.4	4.5	4.6	2.4	0.9
Onion Seed Treatment	14738	7770	677	2285	2346	6665	621	2086	1238	5384	497	1635
Broadcast Bait Texas Leafcutter Ants	29143	11801	1287	4048	2974	8740	1203	3367	1943	6785	868	2559
In-slit mole cricket	17.8	9.3	0.6	2.5	1.5	6.4	0.4	1.8	0.6	5.2	0.3	1.5
Broadcast Fire Ant	274.6	84.6	3.0	19.9	22.8	46.2	1.9	12.1	11.8	34.31	1.3	8.7

1- PCA correction was 0.86 for multiple crops.

2- Concentrations for narrow row spaced corn was estimated from In-Furrow corn scenario. Because the narrow row spacing will double the application rate of fipronil, estimate concentration will be 2X of the estimated concentrations for In-Furrow corn.

SCI-GROW Simulations

Ground water concentrations were estimated using SC2.3 (July 29,2003). Aerobic soil metabolism rate, Koc, and application rate (lbs/A) for fipronil and its degradation products were derived from PRZM/EXAMS inputs. The proposed use on onion seed had the highest predicted concentration (80.05 ng/L) in ground water. Low concentrations of degradation products were estimated because of their high soil carbon sorption coefficients and low formation efficiencies. There is some uncertainty in the accuracy in degradation product concentrations due their high persistence in soils ($t_{1/2}$~700 days).

Table 6: Estimated Fipronil and Degradation Product Concentrations (ng fipronil equivalence/L) in Ground Water from SCI-GROW

Fipronil Use Patterns	Fipronil	MB136	MB513	MB950
Potato/Sweet Potato	16.1	0.642	0.192	0.219
Rutabagas/Turnips	21.1	0.796	0.385	0.274
In-Furrow Corn	21.1	0.796	0.385	0.274
In-Furrow Corn1[1] Narrow Row	42.2	1.592	0.77	0.548
Seed Corn Treatment	2.86	0.103	0.0385	0.0547
Onion Seed Treatment	80.05	3.08	0.962	1.15
Broadcast Bait Texas Leafcutter Ants	46.3	1.77	0.531	0.657
In-slit mole cricket	8.05	0.308	0.077	0.109
Broadcast Fire Ant	2.01	0.0771	0.0192	0.0335

1- Because the narrow row spacing will double the application rate of fipronil of In-Furrow corn, the estimated concentration will be 2X the estimated concentration for In-Furrow corn.

MONITORING DATA

Available monitoring data were taken from the several sources including a USGS presentation, registrant sponsored runoff studies, and rice monitoring studies.

The USGS found that most frequent detections (14 to 34%) of fipronil residues are associated with urban and integrated watersheds (Sandstrom and Madison, 2003). A maximum fipronil water concentration of 0.117 μg/L was detected in the integrated (mixed land use) watersheds. These detections may be associated with the above-ground uses of fipronil in turf for fire ant control in urban environment.

Preliminary results from registrant sponsored monitoring data in NC, FL, and TX show fipronil (applied as Chipco Topchoice®) concentrations in runoff from turf areas immediately post-application during high rainfall events. The maximum total fipronil water concentrations was 0.47 μg/L in an estuary at Gulf Breeze, FL. Fipronil residue concentrations in sediment were $\leq$ 0.1 μg/kg.

USGS monitoring studies in the southwestern LA rice growing region indicate that fipronil residues accumulated in bed sediment as fipronil sulfide (0.636 to 24.8 μg/kg), desulfiny fipronil (0.55 to 7.01 μg/kg), fipronil sulfone (ND to 10.5 μg/kg). Water concentrations of fipronil residues ranged from 0.829 to 5.29 μg/kg, which corresponded with the release of rice field water (USGS, 2003).

Based on preliminary data from the Louisiana Department of Agriculture and Forestry from 23 monitoring sites in Calcasieu, Jefferson-Davis, Allen, Evangeline, Acadia, and Vermilion Parishes, the maximum water concentration of fipronil residues was 8.41 ug/l for fipronil, 1.96 ug/L for MB46513, 0.50 ug/L for MB46136, and 0.32 ug/L for MB45950 from March 6, 2000 to May 15, 2000. The detections frequencies (number of detection/total number of samples) were 85% for fipronil, 32% for MB46513, 11.7% for MB46136, and 6.9% for MB45950. Because the monitoring data were derived from presentation materials, the level of detail is insufficient to assess data quality.

The registrant (Aventis) has submitted surface water monitoring data for the Mermentau River and Lake Arthur (MRID 453499-01). The Mermentau River drains a large portion of the rice acreage in southern Louisiana from the mouths of Bayou Plaquemine and Bayou Nezpique. It should be noted this area does not have any community water systems using surface source water. The monitoring program was designed to provide a snapshot of concentrations on May 11, 1999 from 0-to-1 feet and 4 to 6 feet depth. Low rainfall was observed (0.5 inches) from March 14 to May 9, 1999. Point samples were taken using a 1 L beaker for surface samples at depth of 1 feet and PVC tube sample at 5.5 feet depth Samples were taken from 14 sampling points from the north to south including the mouth of the Bayou Plaquemine, mouth of the Bayou Nezpique, 10,8,6,4,2,1 miles north of Lake Arthur Bridge; Lake Arthur Bridge, and 1,2,3,4, and 5 miles south of Lake Arthur Bridge. The reviewer notes that sample preparation (e.g. filtering) is not described in the submission. Concentrations of Fipronil, MB46513, MB45950, and MB46136 in water were determined by LC/MS/MS method. The limit of detection (LOD) and limit of quantification (LOQ) were 0.004 ug/L and 0.010 ug/L, respectively. Recoveries from spiked water samples at 0.10 ug/L ranged from 86.4 to 105.4%.

The maximum water concentration of fipronil residues at the mouth of the Bayou Plaquemine were 2.118 ug/L for fipronil in the 4 to 6 feet sample, 1.004 ug/L for MB46513 in the 0 to 1 feet sample, 0.269 ug/L for MB45950 in the 0 to 1 feet sample, and 0.270 ug/L for MB46136 in the 0 to 1 feet sample. The maximum total fipronil residue (summation of fipronil,MB46513, MB45950, and MB46136) concentration was 3.509 ug/L. There was a slight decrease in concentration downstream from the mouth of Plaquemine river to 5 miles south of Lake Arthur (18 miles downstream); concentrations were 1.027 ug/L for fipronil, 0.343 ug/L for MB46513, 0.034 ug/L for MB45950, and 0.130 ug/L for MB46136.

Uncertainties, Assumptions, and Limitations in Modeling

Major uncertainties in the modeling are associated with the adequate representation of field dissipation processes for some of the proposed fipronil uses. The modeling of a broadcast bait for control of Texas leaf cutter ants has uncertainities with the dissipation rate of fipronil from surface soil because the ants are expected to actively remove the bait from the soil surface. This dissipation process is not considered in the modeling. The proposed onion and corn seed uses of fipronil have uncertainties associated with the environmental availability of fipronil seed surfaces. Because no seed release rate data are available, it was assumed 100% of the fipronil and its degradation products are available for degradation, runoff, and leaching.

Other uncertainties in the surface water modeling are predominately associated with persistence and formation efficiency of fipronil degradation products in terrestrial and aquatic environments. Formation efficiencies were modeled according to the maximum percent formation observed in aerobic soil metabolism studies. Although higher degradate formation efficiencies were observed for MB46513 and MB45950 in other laboratory studies (photodegradation in water and anaerobic aquatic), these degradation pathways are not expected to be important for below ground uses of fipronil such as in-furrow and in-slit applications.

The aerobic aquatic metabolism data (MRID 44261909) indicate that fipronil has a half-life of 14.5 days in aerobic aquatic environments. These data appear to contradict the persistence of fipronil ($t_{1/2}$=128 to 308 days) in aerobic soil metabolism studies. The registrant has submitted additional aerobic aquatic data showing first-order half-life for fipronil was 16 days for Ongar and 35.62 days for Manningtree sediment/water systems (RPA Document 201604). Based on the available aerobic aquatic metabolism data, the 90th percentile aerobic aquatic half-life for fipronil is 33.7 days. It's important to note that the aerobic aquatic metabolism studies were conducted under stratified redox conditions which lead to the formation of MB45950, a toxic degradation product. This compound was predominately associated with the sediment phase. Similar formation patterns were not observed in the aerobic soil metabolism studies (MRID 42928663).

Tier II modeling indicates the individual residues contribute substantially to the summed residue concentration of fipronil. The concentration of MB 46513 isexpected to be conservative because its application rate is base on a maximum degradate formation efficiency (1%) from aerobic soil metabolism study (MRID 42918663). Lower concentrations of MB 46513 have been detected in other environmental fate studies. MB 45950 had low concentrations in all environmental fate studies except for the aquatic metabolism studies. The highest conversion efficiency of MB45950 was not considered because it is associated with anoxic (anaerobic environments). Therefore, the summation of degradation products is not expected to be conservative because the maximum degradate conversion efficiency was not assumed to occur under the same environmental conditions.

Non-MRID References

1.) BASF/ Bayer CropScience Presentation at USEPA, December 7th , 2004.

2.) Sandstrom, M. and J. Madison. 2003. Determination of Fipronil and Degradates in Environmental-Water Samples by Solid Phase Extraction and Gas Chromatography/Mass Spectrometry (GC/MS). SECTAC Conference.)

3.) USGS Fact Sheet FS-010-03, March 2003

APPENDIX A-MODEL OUTPUT

PRZM-EXAMS SIMULATIONS

CORN SEED_FIPRONIL

stored as MSCORSEEDFIP.out
Chemical: Fipronill
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.05766	0.05231	0.03957	0.02362	0.01725	0.006084
1962	0.01392	0.01281	0.009925	0.006469	0.005023	0.002331
1963	0.02254	0.02087	0.01523	0.008468	0.006003	0.002685
1964	0.06851	0.0637	0.05001	0.02847	0.0208	0.006238
1965	0.03798	0.03485	0.02634	0.01545	0.01139	0.00379
1966	0.04179	0.03862	0.02892	0.01694	0.01216	0.004483
1967	0.01337	0.01235	0.009503	0.006337	0.004793	0.002633
1968	0.03931	0.03605	0.02664	0.01767	0.0142	0.004653
1969	0.03875	0.03595	0.03004	0.01711	0.01219	0.00427
1970	0.04122	0.03826	0.02873	0.01774	0.01279	0.004776
1971	0.007169	0.006755	0.005538	0.002494	0.002078	0.001055
1972	0.02402	0.02211	0.0167	0.01388	0.01185	0.004358
1973	0.1283	0.1214	0.09997	0.05847	0.04179	0.01205
1974	0.06447	0.05981	0.04422	0.03053	0.02623	0.007316
1975	0.01002	0.009218	0.007147	0.005557	0.005348	0.002359
1976	0.05717	0.05252	0.03775	0.02318	0.01884	0.005453
1977	0.02163	0.02058	0.01684	0.01064	0.008966	0.004032
1978	0.06358	0.0596	0.0434	0.02361	0.01658	0.005286
1979	0.1091	0.1014	0.08429	0.05485	0.03973	0.01093
1980	0.08491	0.07887	0.05899	0.03439	0.02449	0.008158
1981	0.02185	0.02031	0.01658	0.01057	0.007752	0.00256
1982	0.04013	0.03774	0.03012	0.01725	0.01231	0.005575
1983	0.05848	0.05413	0.04149	0.02866	0.02349	0.007284
1984	0.0783	0.0721	0.0586	0.03311	0.02349	0.006955
1985	0.06882	0.06363	0.04644	0.02577	0.01826	0.005918
1986	0.03922	0.03789	0.03125	0.02326	0.01705	0.004645
1987	0.1139	0.1054	0.07785	0.04311	0.03057	0.01127
1988	0.01181	0.01095	0.008966	0.006083	0.0057	0.003405
1989	0.02057	0.01895	0.01519	0.01124	0.009163	0.002946
1990	0.02256	0.02057	0.01607	0.01128	0.008696	0.004571

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.1283	0.1214	0.09997	0.05847	0.04179	0.01205	
0.0645161290322581		0.1139	0.1054	0.08429	0.05485	0.03973	0.01127
0.0967741935483871		0.1091	0.1014	0.07785	0.04311	0.03057	0.01093
0.129032258064516	0.08491	0.07887	0.05899	0.03439	0.02623	0.008158	
0.161290322580645	0.0783	0.0721	0.0586	0.03311	0.02449	0.007316	
0.193548387096774	0.06882	0.0637	0.05001	0.03053	0.02349	0.007284	
0.225806451612903	0.06851	0.06363	0.04644	0.02866	0.02349	0.006955	
0.258064516129032	0.06447	0.05981	0.04422	0.02847	0.0208	0.006238	
0.290322580645161	0.06358	0.0596	0.0434	0.02577	0.01884	0.006084	
0.32258064516129	0.05848	0.05413	0.04149	0.02362	0.01826	0.005918	
0.354838709677419	0.05766	0.05252	0.03957	0.02361	0.01725	0.005575	
0.387096774193548	0.05717	0.05231	0.03775	0.02326	0.01705	0.005453	
0.419354838709677	0.04179	0.03862	0.03125	0.02318	0.01658	0.005286	
0.451612903225806	0.04122	0.03826	0.03012	0.01774	0.0142	0.004776	
0.483870967741936	0.04013	0.03789	0.03004	0.01767	0.01279	0.004653	
0.516129032258065	0.03931	0.03774	0.02892	0.01725	0.01231	0.004645	
0.548387096774194	0.03922	0.03605	0.02873	0.01711	0.01219	0.004571	
0.580645161290323	0.03875	0.03595	0.02664	0.01694	0.01216	0.004483	
0.612903225806452	0.03798	0.03485	0.02634	0.01545	0.01185	0.004358	

0.645161290322581	0.02402	0.02211	0.01684	0.01388	0.01139	0.00427
0.67741935483871	0.02256	0.02087	0.0167	0.01128	0.009163	0.004032
0.709677419354839	0.02254	0.02058	0.01658	0.01124	0.008966	0.00379
0.741935483870968	0.02185	0.02057	0.01607	0.01064	0.008696	0.003405
0.774193548387097	0.02163	0.02031	0.01523	0.01057	0.007752	0.002946
0.806451612903226	0.02057	0.01895	0.01519	0.008468	0.006003	0.002685
0.838709677419355	0.01392	0.01281	0.009925	0.006469	0.0057	0.002633
0.870967741935484	0.01337	0.01235	0.009503	0.006337	0.005348	0.00256
0.903225806451613	0.01181	0.01095	0.008966	0.006083	0.005023	0.002359
0.935483870967742	0.01002	0.009218	0.007147	0.005557	0.004793	0.002331
0.967741935483871	0.007169	0.006755	0.005538	0.002494	0.002078	0.001055
0.1	0.106681	0.099147	0.075964	0.042238	0.030136	0.0106528

Average of yearly averages: 0.00526896666666667

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

Data used for this run:
Output File: MSCORSEEDFIP
Metfile: w13893.dvf
PRZM scenario: MScornC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronill

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism	kbacw	33.7	days	Halfife	
Anaerobic Aquatic Metabolism	kbacs	33.7	days	Halfife	
Aerobic Soil Metabolism	asm	128	days	Halfife	
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.02	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

CORN SEED_MB136

stored as MSEEDCORN136.out
Chemical: MB46136
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.007226	0.006693	0.005504	0.004175	0.002974	0.001109
1962	0.00505	0.004747	0.003985	0.003526	0.00333	0.002728
1963	0.004549	0.004307	0.003752	0.003335	0.003184	0.002577
1964	0.01031	0.009627	0.008193	0.006075	0.005664	0.004404
1965	0.01154	0.01078	0.008928	0.006723	0.006291	0.005234
1966	0.009195	0.008697	0.007372	0.006022	0.005838	0.00473
1967	0.008616	0.008078	0.006974	0.004948	0.00462	0.00416
1968	0.01142	0.01063	0.00856	0.006891	0.006688	0.005051
1969	0.009125	0.008683	0.00765	0.006345	0.005886	0.005036
1970	0.007969	0.007583	0.006528	0.005654	0.005626	0.005015
1971	0.007581	0.007215	0.00613	0.005153	0.004871	0.003887
1972	0.01239	0.01182	0.01013	0.008806	0.007796	0.004484
1973	0.01531	0.01455	0.01253	0.009466	0.008382	0.0069
1974	0.01123	0.01069	0.009206	0.007965	0.007773	0.006652
1975	0.00844	0.008194	0.007236	0.006223	0.00612	0.005257
1976	0.01264	0.01175	0.009139	0.007176	0.006755	0.004991
1977	0.008482	0.008183	0.00712	0.005797	0.006019	0.004786
1978	0.01624	0.01511	0.01276	0.008362	0.00699	0.005815
1979	0.01474	0.0139	0.0121	0.009983	0.009145	0.007389
1980	0.01222	0.01156	0.009708	0.008075	0.007453	0.006265
1981	0.009741	0.00912	0.007759	0.005977	0.005331	0.004733
1982	0.01387	0.01334	0.01103	0.008517	0.007644	0.005585
1983	0.01396	0.01315	0.01195	0.009278	0.008033	0.007251
1984	0.01275	0.0121	0.01072	0.0086	0.007906	0.006977
1985	0.01055	0.01002	0.008418	0.006816	0.006437	0.005602
1986	0.01595	0.01523	0.01205	0.009556	0.007814	0.004971
1987	0.01781	0.01701	0.01182	0.01036	0.008591	0.006834
1988	0.01695	0.01587	0.01403	0.01075	0.009792	0.007823
1989	0.01336	0.01274	0.01122	0.01058	0.01012	0.007791
1990	0.01138	0.01079	0.009361	0.008141	0.007697	0.006688

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.01781	0.01701	0.01403	0.01075	0.01012	0.007823	
0.0645161290322581		0.01695	0.01587	0.01276	0.01058	0.009792	0.007791
0.0967741935483871		0.01624	0.01523	0.01253	0.01036	0.009145	0.007389
0.129032258064516	0.01595	0.01511	0.0121	0.009983	0.008591	0.007251	
0.161290322580645	0.01531	0.01455	0.01205	0.009556	0.008382	0.006977	
0.193548387096774	0.01474	0.0139	0.01195	0.009466	0.008033	0.0069	
0.225806451612903	0.01396	0.01334	0.01182	0.009278	0.007906	0.006834	
0.258064516129032	0.01387	0.01315	0.01122	0.008806	0.007814	0.006688	
0.290322580645161	0.01336	0.01274	0.01103	0.0086	0.007796	0.006652	
0.32258064516129	0.01275	0.0121	0.01072	0.008517	0.007773	0.006265	
0.354838709677419	0.01264	0.01182	0.01013	0.008362	0.007697	0.005815	
0.387096774193548	0.01239	0.01175	0.009708	0.008141	0.007644	0.005602	
0.419354838709677	0.01222	0.01156	0.009361	0.008075	0.007453	0.005585	
0.451612903225806	0.01154	0.01079	0.009206	0.007965	0.00699	0.005257	
0.483870967741936	0.01142	0.01078	0.009139	0.007176	0.006755	0.005234	
0.516129032258065	0.01138	0.01069	0.008928	0.006891	0.006688	0.005051	
0.548387096774194	0.01123	0.01063	0.00856	0.006816	0.006437	0.005036	
0.580645161290323	0.01055	0.01002	0.008418	0.006723	0.006291	0.005015	
0.612903225806452	0.01031	0.009627	0.008193	0.006345	0.00612	0.004991	
0.645161290322581	0.009741	0.00912	0.007759	0.006223	0.006019	0.004971	
0.67741935483871	0.009195	0.008697	0.00765	0.006075	0.005886	0.004786	
0.709677419354839	0.009125	0.008683	0.007372	0.006022	0.005838	0.004733	
0.741935483870968	0.008616	0.008194	0.007236	0.005977	0.005664	0.00473	

0.774193548387097	0.008482	0.008183	0.00712	0.005797	0.005626	0.004484
0.806451612903226	0.00844	0.008078	0.006974	0.005654	0.005331	0.004404
0.838709677419355	0.007969	0.007583	0.006528	0.005153	0.004871	0.00416
0.870967741935484	0.007581	0.007215	0.00613	0.004948	0.00462	0.003887
0.903225806451613	0.007226	0.006693	0.005504	0.004175	0.00333	0.002728
0.935483870967742	0.00505	0.004747	0.003985	0.003526	0.003184	0.002577
0.967741935483871	0.004549	0.004307	0.003752	0.003335	0.002974	0.001109

0.1	0.016211	0.015218	0.012487	0.0103223	0.0090896	0.0073752
					Average of yearly averages:	0.0053575

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

Data used for this run:

Output File: MSEEDCORN136					
Metfile:	w13893.dvf				
PRZM scenario:	MScornC.txt				
EXAMS environment file:		ir298.exv			
Chemical Name:	MB46136				
Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0048	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

CORN SEED_MB513

stored as MSEEDCORN513.out
Chemical: MB46513
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.0005639		0.0005451		0.0004959	0.000403
1962	0.0004478		0.0004346		0.0003949	0.0003408
1963	0.0002778		0.0002697		0.0002406	0.0001975
1964	0.0007226		0.0006966		0.0006162	0.0004815
1965	0.0007189		0.0006919		0.0006201	0.0004879
1966	0.0005202		0.0005043		0.0004518	0.0003679
1967	0.0003827		0.0003706		0.0003465	0.0002529
1968	0.0007193		0.0006915		0.0006103	0.0005288
1969	0.0004898		0.0004766		0.0004445	0.0003689
1970	0.000483	0.0004681		0.0004235		0.0003487
1971	0.0003381		0.0003263		0.0002942	0.0001911
1972	0.0006527		0.0006302		0.0005834	0.0005317
1973	0.0012	0.001157	0.001035	0.0008222		0.000709
1974	0.0007005		0.0006783		0.0006037	0.0005432
1975	0.0003888		0.000379	0.0003448		0.0003185
1976	0.0008706		0.0008362		0.0007147	0.0005818
1977	0.0005574		0.0005391		0.0004927	0.0004098
1978	0.0006525		0.0006388		0.0005626	0.0004456
1979	0.000925	0.0008924		0.0008428		0.0007281
1980	0.0007453		0.0007195		0.0006281	0.0004949
1981	0.0005422		0.0005227		0.0004867	0.0003923
1982	0.0006162		0.0006019		0.0005498	0.0004438
1983	0.0007954		0.0007697		0.0006781	0.0005545
1984	0.0008595		0.0008302		0.0007402	0.000596
1985	0.0006599		0.0006376		0.0005583	0.0004402
1986	0.001052	0.001024	0.0009057		0.0007375	0.0005699
1987	0.001051	0.001016	0.0008892		0.0007002	0.0006101
1988	0.0007605		0.0007357		0.0006748	0.0005748
1989	0.0005318		0.000519	0.0004967		0.000437
1990	0.0005567		0.0005418		0.0004906	0.0004608

0.0002966		0.0001407								
0.0003072		0.0002164								
0.0001768		0.0001562								
0.0004148		0.0002704								
0.0004204		0.0002515								
0.0003276		0.0002622								
0.0002318		0.0001991								
0.0004962		0.0002633								
0.0003305		0.0002662								
0.0003108		0.0002614								
0.0001834		0.0001426								
0.0004922		0.0002355								
0.0004381										
0.0005237		0.0003473								
0.0002806		0.0001979								
0.0005476		0.0002699								
0.0004042		0.0002771								
0.0003893		0.0002982								
0.0006358		0.0003841								
0.0004308		0.000325								
0.0003269		0.0002319								
0.0004183		0.0002924								
0.0004945		0.0003779								
0.0005188		0.0003566								
0.0003838		0.0002785								
0.0002602										
0.0004668										
0.0005195		0.0003874								
0.000411	0.0003119									
0.000423	0.0002985									

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.0012	0.001157	0.001035	0.0008222		0.000709
0.0645161290322581		0.001052	0.001024	0.0009057		0.0007375
0.0967741935483871		0.001051	0.001016	0.0008892		0.0007281
0.129032258064516	0.000925	0.0008924		0.0008428		0.0007002
0.161290322580645	0.0008706		0.0008362		0.0007402	0.000596
0.193548387096774	0.0008595		0.0008302		0.0007147	0.0005818
0.225806451612903	0.0007954		0.0007697		0.0006781	0.0005748
0.258064516129032	0.0007605		0.0007357		0.0006748	0.0005545
0.290322580645161	0.0007453		0.0007195		0.0006281	0.0005432
0.32258064516129	0.0007226		0.0006966		0.0006201	0.0005317
0.354838709677419	0.0007193		0.0006919		0.0006162	0.0005288
0.387096774193548	0.0007189		0.0006915		0.0006103	0.0004949
0.419354838709677	0.0007005		0.0006783		0.0006037	0.0004879
0.451612903225806	0.0006599		0.0006388		0.0005834	0.0004815
0.483870967741936	0.0006527		0.0006376		0.0005626	0.0004608
0.516129032258065	0.0006525		0.0006302		0.0005583	0.0004456
0.548387096774194	0.0006162		0.0006019		0.0005498	0.0004438
0.580645161290323	0.0005639		0.0005451		0.0004967	0.0004402
0.612903225806452	0.0005574		0.0005418		0.0004959	0.000437
0.645161290322581	0.0005567		0.0005391		0.0004927	0.0004098
0.67741935483871	0.0005422		0.0005227		0.0004906	0.000403
0.709677419354839	0.0005318		0.000519	0.0004867		0.0003923
0.741935483870968	0.0005202		0.0005043		0.0004518	0.0003689

0.0004668										
0.0006358		0.0004381								
0.0006101		0.0003874								
0.0005699		0.0003841								
0.0005476		0.0003779								
0.0005237		0.0003566								
0.0005195		0.0003473								
0.0005188		0.000325								
0.0004962		0.0003119								
0.0004945		0.0002985								
0.0004922		0.0002982								
0.0004308		0.0002924								
0.000423	0.0002785									
0.0004204		0.0002771								
0.0004183		0.0002704								
0.0004148		0.0002699								
0.000411	0.0002662									
0.0004042		0.0002633								
0.0003893		0.0002622								
0.0003838		0.0002614								
0.0003305		0.0002602								
0.0003276		0.0002515								
0.0003269		0.0002355								

0.774193548387097	0.0004898		0.0004766	0.0004445	0.0003679	0.0003108	0.0002319
0.806451612903226	0.000483	0.0004681	0.0004235	0.0003487	0.0003072	0.0002164	
0.838709677419355	0.0004478		0.0004346	0.0003949	0.0003408	0.0002966	0.0001991
0.870967741935484	0.0003888		0.000379	0.0003465	0.0003185	0.0002806	0.0001979
0.903225806451613	0.0003827		0.0003706	0.0003448	0.0002529	0.0002318	0.0001562
0.935483870967742	0.0003381		0.0003263	0.0002942	0.0001975	0.0001834	0.0001426
0.967741935483871	0.0002778		0.0002697	0.0002406	0.0001911	0.0001768	0.0001407
0.1	0.0010384		0.00100364	0.00088456	0.00072531	0.00060608	0.00038707

Average of yearly averages: 0.000282173333333333

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

Data used for this run:
Output File: MSEEDCORN513
Metfile: w13893.dvf
PRZM scenario: MScornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0002	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

CORN SEED_MB950

stored as MSSEEDCORN950.out
Chemical: MB45950
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
1961	0.001944	0.00184	0.001578	0.001205	0.0008646		0.0003408	
1962	0.001375	0.001315	0.001176	0.00106	0.0009822		0.0007512	
1963	0.00102	0.0009838		0.0008698		0.000784	0.0007642	0.0006239
1964	0.002455	0.002332	0.002007	0.00152	0.001359	0.001042		
1965	0.002551	0.002421	0.002083	0.001603	0.001402	0.001143		
1966	0.001867	0.001793	0.001575	0.001318	0.001293	0.001049		
1967	0.001777	0.001694	0.001526	0.001089	0.001005	0.000898		
1968	0.002506	0.002372	0.001999	0.001659	0.001592	0.001105		
1969	0.00191	0.001841	0.001675	0.001398	0.00129	0.001093		
1970	0.001749	0.001685	0.0015	0.001271	0.001225	0.001093		
1971	0.001533	0.001459	0.001261	0.001021	0.000985	0.0007725		
1972	0.002653	0.002566	0.002282	0.002059	0.001828	0.0009798		
1973	0.003643	0.003488	0.003067	0.002366	0.00207	0.001587		
1974	0.002395	0.002306	0.002016	0.001839	0.001789	0.00144		
1975	0.00157	0.001518	0.001351	0.001276	0.001176	0.001027		
1976	0.002852	0.002695	0.00219	0.001738	0.001639	0.001071		
1977	0.001949	0.001882	0.001676	0.001365	0.001413	0.001062		
1978	0.003193	0.003031	0.002645	0.001767	0.001478	0.001268		
1979	0.003196	0.003053	0.002761	0.002314	0.002054	0.001583		
1980	0.002629	0.002515	0.002144	0.001711	0.001562	0.001318		
1981	0.002094	0.001989	0.001766	0.00138	0.00119	0.0009921		
1982	0.002905	0.002822	0.002445	0.001888	0.001705	0.001217		
1983	0.002898	0.002771	0.00254	0.002002	0.001786	0.001596		
1984	0.00291	0.002788	0.002487	0.001999	0.001789	0.001512		
1985	0.002316	0.00222	0.001906	0.001523	0.00138	0.001175		
1986	0.003686	0.003553	0.002964	0.002367	0.001894	0.001074		
1987	0.003752	0.003615	0.002786	0.002423	0.001996	0.001609		
1988	0.003592	0.003419	0.003067	0.002477	0.002247	0.001731		
1989	0.002752	0.002658	0.002392	0.002252	0.002138	0.00161		
1990	0.002244	0.002159	0.001877	0.001706	0.001589	0.00139		

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.003752	0.003615	0.003067	0.002477	0.002247	0.001731	
0.0645161290322581		0.003686	0.003553	0.003067	0.002423	0.002138	0.00161
0.0967741935483871		0.003643	0.003488	0.002964	0.002367	0.00207	0.001609
0.129032258064516	0.003592	0.003419	0.002786	0.002366	0.002054	0.001596	
0.161290322580645	0.003196	0.003053	0.002761	0.002314	0.001996	0.001587	
0.193548387096774	0.003193	0.003031	0.002645	0.002252	0.001894	0.001583	
0.225806451612903	0.00291	0.002822	0.00254	0.002059	0.001828	0.001512	
0.258064516129032	0.002905	0.002788	0.002487	0.002002	0.001789	0.00144	
0.290322580645161	0.002898	0.002771	0.002445	0.001999	0.001789	0.00139	
0.32258064516129	0.002852	0.002695	0.002392	0.001888	0.001786	0.001318	
0.354838709677419	0.002752	0.002658	0.002282	0.001839	0.001705	0.001268	
0.387096774193548	0.002653	0.002566	0.00219	0.001767	0.001639	0.001217	
0.419354838709677	0.002629	0.002515	0.002144	0.001738	0.001592	0.001175	
0.451612903225806	0.002551	0.002421	0.002083	0.001711	0.001589	0.001143	
0.483870967741936	0.002506	0.002372	0.002016	0.001706	0.001562	0.001105	
0.516129032258065	0.002455	0.002332	0.002007	0.001659	0.001478	0.001093	
0.548387096774194	0.002395	0.002306	0.001999	0.001603	0.001413	0.001093	
0.580645161290323	0.002316	0.00222	0.001906	0.001523	0.001402	0.001074	
0.612903225806452	0.002244	0.002159	0.001877	0.00152	0.00138	0.001071	
0.645161290322581	0.002094	0.001989	0.001766	0.001398	0.001359	0.001062	
0.67741935483871	0.001949	0.001882	0.001676	0.00138	0.001293	0.001049	
0.709677419354839	0.001944	0.001841	0.001675	0.001365	0.00129	0.001042	
0.741935483870968	0.00191	0.00184	0.001578	0.001318	0.001225	0.001027	

0.774193548387097	0.001867	0.001793	0.001575	0.001276	0.00119	0.0009921						
0.806451612903226	0.001777	0.001694	0.001526	0.001271	0.001176	0.0009798						
0.838709677419355	0.001749	0.001685	0.0015	0.001205	0.001005	0.000898						
0.870967741935484	0.00157	0.001518	0.001351	0.001089	0.000985	0.0007725						
0.903225806451613	0.001533	0.001459	0.001261	0.00106	0.0009822		0.0007512					
0.935483870967742	0.001375	0.001315	0.001176	0.001021	0.0008646		0.0006239					
0.967741935483871	0.00102	0.0009838		0.0008698		0.000784	0.0007642		0.0003408			
0.1	0.0036379		0.0034811		0.0029462		0.0023669		0.0020684		0.0016077	
					Average of yearly averages:			0.00117177666666667				

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

Data used for this run:
Output File: MSSEEDCORN950
Metfile: w13893.dvf
PRZM scenario: MScornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0009	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

Fireant_Fipronil

stored as FLTURFFIP.out
Chemical: Fipronill
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.1112	0.1012	0.07535	0.04425	0.03707	0.01081
1962	0.1383	0.1251	0.08696	0.06923	0.05288	0.01423
1963	0.2361	0.2131	0.1508	0.09055	0.07503	0.021
1964	0.3392	0.3079	0.2449	0.1297	0.1084	0.03197
1965	0.2021	0.1836	0.1319	0.07575	0.05398	0.01411
1966	0.2722	0.2469	0.1899	0.1339	0.1218	0.0337
1967	0.1035	0.09404	0.06947	0.04825	0.04278	0.01278
1968	0.3393	0.3085	0.2301	0.1419	0.1033	0.02684
1969	0.09622	0.08694	0.07564	0.05253	0.03791	0.0156
1970	0.0109	0.009858	0.006685	0.004731	0.003514	0.001378
1971	0.129	0.117	0.07996	0.04657	0.04129	0.01469
1972	0.1623	0.1489	0.1045	0.05865	0.04715	0.01652
1973	0.03311	0.02996	0.02191	0.01749	0.01355	0.00384
1974	0.06356	0.05772	0.04702	0.03349	0.029	0.008294
1975	0.07795	0.07109	0.05107	0.02729	0.02521	0.007793
1976	0.2019	0.1838	0.1313	0.09857	0.07386	0.01939
1977	0.06682	0.06018	0.04591	0.03688	0.0274	0.01033
1978	0.275	0.2493	0.1703	0.1041	0.08486	0.02415
1979	0.2725	0.249	0.1707	0.08854	0.07687	0.02182
1980	0.04476	0.04057	0.02923	0.02143	0.01861	0.005438
1981	0.07646	0.06915	0.05905	0.03527	0.02827	0.009341
1982	0.186	0.1681	0.1163	0.06799	0.05461	0.01597
1983	0.1692	0.1533	0.1132	0.06689	0.05107	0.01522
1984	0.3243	0.2948	0.2028	0.1079	0.07865	0.02117
1985	0.06761	0.06092	0.04092	0.02232	0.025	0.00777
1986	0.127	0.1143	0.08616	0.06094	0.04417	0.01141
1987	0.0188	0.01695	0.01128	0.00654	0.006337	0.002743
1988	0.03103	0.028	0.01889	0.00978	0.00749	0.003997
1989	0.07237	0.06712	0.04884	0.02642	0.01887	0.009058
1990	0.02327	0.02091	0.01391	0.009053	0.007438	0.002603

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.3393	0.3085	0.2449	0.1419	0.1218	0.0337	
0.0645161290322581		0.3392	0.3079	0.2301	0.1339	0.1084	0.03197
0.0967741935483871		0.3243	0.2948	0.2028	0.1297	0.1033	0.02684
0.129032258064516	0.275	0.2493	0.1899	0.1079	0.08486	0.02415	
0.161290322580645	0.2725	0.249	0.1707	0.1041	0.07865	0.02182	
0.193548387096774	0.2722	0.2469	0.1703	0.09857	0.07687	0.02117	
0.225806451612903	0.2361	0.2131	0.1508	0.09055	0.07503	0.021	
0.258064516129032	0.2021	0.1838	0.1319	0.08854	0.07386	0.01939	
0.290322580645161	0.2019	0.1836	0.1313	0.07575	0.05461	0.01652	
0.32258064516129	0.186	0.1681	0.1163	0.06923	0.05398	0.01597	
0.354838709677419	0.1692	0.1533	0.1132	0.06799	0.05288	0.0156	
0.387096774193548	0.1623	0.1489	0.1045	0.06689	0.05107	0.01522	
0.419354838709677	0.1383	0.1251	0.08696	0.06094	0.04715	0.01469	
0.451612903225806	0.129	0.117	0.08616	0.05865	0.04417	0.01423	
0.483870967741936	0.127	0.1143	0.07996	0.05253	0.04278	0.01411	
0.516129032258065	0.1112	0.1012	0.07564	0.04825	0.04129	0.01278	
0.548387096774194	0.1035	0.09404	0.07535	0.04657	0.03791	0.01141	
0.580645161290323	0.09622	0.08694	0.06947	0.04425	0.03707	0.01081	
0.612903225806452	0.07795	0.07109	0.05905	0.03688	0.029	0.01033	
0.645161290322581	0.07646	0.06915	0.05107	0.03527	0.02827	0.009341	
0.67741935483871	0.07237	0.06712	0.04884	0.03349	0.0274	0.009058	
0.709677419354839	0.06761	0.06092	0.04702	0.02729	0.02521	0.008294	
0.741935483870968	0.06682	0.06018	0.04591	0.02642	0.025	0.007793	

0.774193548387097	0.06356	0.05772	0.04092	0.02232	0.01887	0.00777
0.806451612903226	0.04476	0.04057	0.02923	0.02143	0.01861	0.005438
0.838709677419355	0.03311	0.02996	0.02191	0.01749	0.01355	0.003997
0.870967741935484	0.03103	0.028	0.01889	0.00978	0.00749	0.00384
0.903225806451613	0.02327	0.02091	0.01391	0.009053	0.007438	0.002743
0.935483870967742	0.0188	0.01695	0.01128	0.00654	0.006337	0.002603
0.967741935483871	0.0109	0.009858	0.006685	0.004731	0.003514	0.001378
0.1	0.31937	0.29025	0.20151	0.12752	0.101456	0.026571

Average of yearly averages: 0.0137988333333333

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

Data used for this run:
Output File: FLTURFFIP
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronill

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.014	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

FIREANT_MB136

stored as FLTURF136.out
Chemical: MB46136
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.0229	0.0214	0.01699	0.01304	0.0127	0.005582
1962	0.0419	0.03964	0.03314	0.02617	0.02601	0.01567
1963	0.07573	0.07098	0.0576	0.04571	0.04073	0.02869
1964	0.09689	0.09213	0.07884	0.06502	0.0614	0.04572
1965	0.07363	0.07076	0.06243	0.05374	0.05046	0.04366
1966	0.133	0.1254	0.1024	0.08681	0.07952	0.05428
1967	0.07233	0.06985	0.06399	0.05619	0.0553	0.04945
1968	0.1055	0.09993	0.08696	0.07913	0.07334	0.05607
1969	0.08885	0.08536	0.07795	0.06927	0.06688	0.05606
1970	0.05903	0.0585	0.05689	0.05549	0.05438	0.04613
1971	0.06756	0.0651	0.05888	0.05252	0.05067	0.04312
1972	0.08069	0.07727	0.06814	0.05921	0.05731	0.04842
1973	0.0507	0.05039	0.04937	0.04803	0.04709	0.04309
1974	0.0731	0.07	0.06051	0.05236	0.05021	0.03994
1975	0.04266	0.04164	0.03877	0.03748	0.03686	0.03526
1976	0.09391	0.08855	0.07244	0.05648	0.05166	0.03922
1977	0.05646	0.05456	0.05082	0.04659	0.04421	0.03881
1978	0.05639	0.05431	0.04984	0.04448	0.04482	0.04025
1979	0.07766	0.07443	0.06364	0.05652	0.05593	0.04874
1980	0.0477	0.04754	0.04691	0.0462	0.04541	0.04094
1981	0.06413	0.06124	0.05379	0.04659	0.04283	0.03522
1982	0.07428	0.07072	0.06071	0.05294	0.04952	0.03971
1983	0.06511	0.06274	0.05585	0.04896	0.04871	0.04216
1984	0.08442	0.08065	0.06921	0.05792	0.05482	0.04802
1985	0.05618	0.05448	0.04967	0.04591	0.04382	0.04139
1986	0.07234	0.06921	0.06354	0.05357	0.05017	0.0415
1987	0.04181	0.0412	0.03946	0.03781	0.03736	0.03367
1988	0.05061	0.04824	0.04108	0.03223	0.02985	0.02793
1989	0.09858	0.09396	0.07769	0.05767	0.05044	0.03724
1990	0.04479	0.04387	0.0412	0.03794	0.03751	0.03352

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.133	0.1254	0.1024	0.08681	0.07952	0.05607	
0.0645161290322581		0.1055	0.09993	0.08696	0.07913	0.07334	0.05606
0.0967741935483871		0.09858	0.09396	0.07884	0.06927	0.06688	0.05428
0.129032258064516	0.09689	0.09213	0.07795	0.06502	0.0614	0.04945	
0.161290322580645	0.09391	0.08855	0.07769	0.05921	0.05731	0.04874	
0.193548387096774	0.08885	0.08536	0.07244	0.05792	0.05593	0.04842	
0.225806451612903	0.08442	0.08065	0.06921	0.05767	0.0553	0.04802	
0.258064516129032	0.08069	0.07727	0.06814	0.05652	0.05482	0.04613	
0.290322580645161	0.07766	0.07443	0.06399	0.05648	0.05438	0.04572	
0.32258064516129	0.07573	0.07098	0.06364	0.05619	0.05166	0.04366	
0.354838709677419	0.07428	0.07076	0.06354	0.05549	0.05067	0.04312	
0.387096774193548	0.07363	0.07072	0.06243	0.05374	0.05046	0.04309	
0.419354838709677	0.0731	0.07	0.06071	0.05357	0.05044	0.04216	
0.451612903225806	0.07234	0.06985	0.06051	0.05294	0.05021	0.0415	
0.483870967741936	0.07233	0.06921	0.05888	0.05252	0.05017	0.04139	
0.516129032258065	0.06756	0.0651	0.0576	0.05236	0.04952	0.04094	
0.548387096774194	0.06511	0.06274	0.05689	0.04896	0.04871	0.04025	
0.580645161290323	0.06413	0.06124	0.05585	0.04803	0.04709	0.03994	
0.612903225806452	0.05903	0.0585	0.05379	0.04659	0.04541	0.03971	
0.645161290322581	0.05646	0.05456	0.05082	0.04659	0.04482	0.03922	
0.67741935483871	0.05639	0.05448	0.04984	0.0462	0.04421	0.03881	
0.709677419354839	0.05618	0.05431	0.04967	0.04591	0.04382	0.03724	

0.741935483870968	0.0507	0.05039	0.04937	0.04571	0.04283	0.03526
0.774193548387097	0.05061	0.04824	0.04691	0.04448	0.04073	0.03522
0.806451612903226	0.0477	0.04754	0.0412	0.03794	0.03751	0.03367
0.838709677419355	0.04479	0.04387	0.04108	0.03781	0.03736	0.03352
0.870967741935484	0.04266	0.04164	0.03946	0.03748	0.03686	0.02869
0.903225806451613	0.0419	0.0412	0.03877	0.03223	0.02985	0.02793
0.935483870967742	0.04181	0.03964	0.03314	0.02617	0.02601	0.01567
0.967741935483871	0.0229	0.0214	0.01699	0.01304	0.0127	0.005582
0.1	0.098411	0.093777	0.078751	0.068845	0.066332	0.053797

Average of yearly averages: 0.0399820666666667

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

Data used for this run:
Output File: FLTURF136
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0033	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

FIREANT_MB513

stored as FLTURF513.out
Chemical: MB46513
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
1961	0.001303	0.00127	0.001152	0.000996	0.0009431		0.0004396
1962	0.00206	0.002007	0.001841	0.001672	0.001631	0.001005	
1963	0.003335	0.003251	0.002979	0.00262	0.002398	0.00157	
1964	0.003548	0.00349	0.003291	0.003052	0.002945	0.002307	
1965	0.003217	0.003158	0.002939	0.002611	0.002441	0.001968	
1966	0.005261	0.005134	0.004674	0.004162	0.003897	0.002471	
1967	0.002876	0.00283	0.002728	0.002474	0.002416	0.002078	
1968	0.004225	0.004125	0.003892	0.003757	0.00351	0.00235	
1969	0.0032	0.003144	0.00303	0.002768	0.00268	0.002184	
1970	0.002189	0.002177	0.002131	0.002033	0.001967	0.00154	
1971	0.002296	0.002251	0.002112	0.001956	0.001914	0.001529	
1972	0.002771	0.00272	0.002534	0.002241	0.002215	0.001788	
1973	0.00194	0.001926	0.001871	0.001773	0.00171	0.001477	
1974	0.001988	0.001956	0.001839	0.001742	0.00169	0.001303	
1975	0.001383	0.001367	0.001316	0.00125	0.00123	0.001132	
1976	0.003237	0.003155	0.002857	0.002398	0.002183	0.001428	
1977	0.002162	0.002122	0.001986	0.001841	0.001756	0.001368	
1978	0.00251	0.002464	0.002367	0.002132	0.00211	0.001692	
1979	0.003043	0.002993	0.002755	0.002522	0.002478	0.001933	
1980	0.001719	0.001711	0.001679	0.001616	0.001571	0.001398	
1981	0.002286	0.002236	0.002075	0.00185	0.001711	0.001196	
1982	0.002725	0.002664	0.002471	0.002273	0.002139	0.001519	
1983	0.002507	0.002455	0.002273	0.001998	0.001959	0.001584	
1984	0.003306	0.003233	0.002964	0.002574	0.002421	0.001827	
1985	0.001922	0.001895	0.001794	0.001628	0.001576	0.001491	
1986	0.002647	0.002588	0.002454	0.002127	0.001973	0.001393	
1987	0.001274	0.001268	0.001244	0.001215	0.001186	0.00103	
1988	0.001334	0.001308	0.001215	0.0009868		0.0009149	0.0008064
1989	0.002753	0.002685	0.002502	0.002113	0.001871	0.00126	
1990	0.001481	0.001468	0.00142	0.001349	0.001322	0.001114	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.005261	0.005134	0.004674	0.004162	0.003897	0.002471	
0.0645161290322581		0.004225	0.004125	0.003892	0.003757	0.00351	0.00235
0.0967741935483871		0.003548	0.00349	0.003291	0.003052	0.002945	0.002307
0.129032258064516	0.003335	0.003251	0.00303	0.002768	0.00268	0.002184	
0.161290322580645	0.003306	0.003233	0.002979	0.00262	0.002478	0.002078	
0.193548387096774	0.003237	0.003158	0.002964	0.002611	0.002441	0.001968	
0.225806451612903	0.003217	0.003155	0.002939	0.002574	0.002421	0.001933	
0.258064516129032	0.0032	0.003144	0.002857	0.002522	0.002416	0.001827	
0.290322580645161	0.003043	0.002993	0.002755	0.002474	0.002398	0.001788	
0.32258064516129	0.002876	0.00283	0.002728	0.002398	0.002215	0.001692	
0.354838709677419	0.002771	0.00272	0.002534	0.002273	0.002183	0.001584	
0.387096774193548	0.002753	0.002685	0.002502	0.002241	0.002139	0.00157	
0.419354838709677	0.002725	0.002664	0.002471	0.002132	0.00211	0.00154	
0.451612903225806	0.002647	0.002588	0.002454	0.002127	0.001973	0.001529	
0.483870967741936	0.00251	0.002464	0.002367	0.002113	0.001967	0.001519	
0.516129032258065	0.002507	0.002455	0.002273	0.002033	0.001959	0.001491	
0.548387096774194	0.002296	0.002251	0.002131	0.001998	0.001914	0.001477	
0.580645161290323	0.002286	0.002236	0.002112	0.001956	0.001871	0.001428	
0.612903225806452	0.002189	0.002177	0.002075	0.00185	0.001756	0.001398	
0.645161290322581	0.002162	0.002122	0.001986	0.001841	0.001711	0.001393	

0.67741935483871	0.00206	0.002007	0.001871	0.001773	0.00171	0.001368	
0.709677419354839	0.001988	0.001956	0.001841	0.001742	0.00169	0.001303	
0.741935483870968	0.00194	0.001926	0.001839	0.001672	0.001631	0.00126	
0.774193548387097	0.001922	0.001895	0.001794	0.001628	0.001576	0.001196	
0.806451612903226	0.001719	0.001711	0.001679	0.001616	0.001571	0.001132	
0.838709677419355	0.001481	0.001468	0.00142	0.001349	0.001322	0.001114	
0.870967741935484	0.001383	0.001367	0.001316	0.00125	0.00123	0.00103	
0.903225806451613	0.001334	0.001308	0.001244	0.001215	0.001186	0.001005	
0.935483870967742	0.001303	0.00127	0.001215	0.000996	0.0009431	0.0008064	
0.967741935483871	0.001274	0.001268	0.001152	0.0009868	0.0009149	0.0004396	

0.1	0.0035267	0.0034661	0.0032649	0.0030236	0.0029185	0.0022947

Average of yearly averages: 0.00153936666666667

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

Data used for this run:
Output File: FLTURF513
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0001	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

FIREANT_MB950

stored as FLTURF950.out
Chemical: MB45950
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.006366	0.006078	0.005152	0.004156	0.003942	0.001778
1962	0.01096	0.01058	0.009356	0.007787	0.007833	0.004775
1963	0.01888	0.01808	0.01563	0.01303	0.01173	0.00818
1964	0.02329	0.02255	0.02028	0.01739	0.01661	0.01259
1965	0.01868	0.01817	0.0165	0.01447	0.0136	0.01162
1966	0.03294	0.03161	0.02724	0.02356	0.02176	0.01448
1967	0.01797	0.01754	0.01653	0.01476	0.0145	0.01288
1968	0.02577	0.0248	0.0225	0.02117	0.0197	0.01462
1969	0.02129	0.02072	0.0195	0.01749	0.01703	0.01431
1970	0.01481	0.0147	0.01436	0.01393	0.01361	0.01132
1971	0.01645	0.01603	0.01478	0.01324	0.0129	0.01072
1972	0.01905	0.0185	0.01667	0.01486	0.0145	0.01221
1973	0.01301	0.01292	0.0126	0.01214	0.01184	0.01065
1974	0.0168	0.01632	0.0147	0.01295	0.01254	0.009795
1975	0.009993	0.009878	0.009511	0.009175	0.009024	0.00862
1976	0.02209	0.0212	0.01826	0.01468	0.0134	0.009788
1977	0.01405	0.01369	0.01281	0.01178	0.01125	0.009632
1978	0.01423	0.01384	0.01306	0.01169	0.01177	0.01034
1979	0.01873	0.01821	0.01622	0.01454	0.01441	0.01238
1980	0.01202	0.01197	0.01177	0.0115	0.01126	0.01006
1981	0.01568	0.01516	0.01364	0.01197	0.01101	0.008644
1982	0.01785	0.01724	0.01542	0.01378	0.01292	0.01005
1983	0.01557	0.01512	0.01364	0.01221	0.01209	0.01056
1984	0.02034	0.01969	0.01755	0.01499	0.01416	0.01206
1985	0.01337	0.01309	0.01219	0.01137	0.01089	0.01028
1986	0.01768	0.01712	0.01598	0.01357	0.01278	0.01025
1987	0.009769	0.009681	0.009404	0.009078	0.008988	0.00807
1988	0.0113	0.01094	0.009739	0.00776	0.007177	0.006599
1989	0.02213	0.02151	0.01897	0.01491	0.01308	0.009362
1990	0.01078	0.01064	0.01019	0.009553	0.009544	0.008429

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.03294	0.03161	0.02724	0.02356	0.02176	0.01462	
0.0645161290322581		0.02577	0.0248	0.0225	0.02117	0.0197	0.01448
0.0967741935483871		0.02329	0.02255	0.02028	0.01749	0.01703	0.01431
0.129032258064516	0.02213	0.02151	0.0195	0.01739	0.01661	0.01288	
0.161290322580645	0.02209	0.0212	0.01897	0.01499	0.0145	0.01259	
0.193548387096774	0.02129	0.02072	0.01826	0.01491	0.0145	0.01238	
0.225806451612903	0.02034	0.01969	0.01755	0.01486	0.01441	0.01221	
0.258064516129032	0.01905	0.0185	0.01667	0.01476	0.01416	0.01206	
0.290322580645161	0.01888	0.01821	0.01653	0.01468	0.01361	0.01162	
0.32258064516129	0.01873	0.01817	0.0165	0.01454	0.0136	0.01132	
0.354838709677419	0.01868	0.01808	0.01622	0.01447	0.0134	0.01072	
0.387096774193548	0.01797	0.01754	0.01598	0.01393	0.01308	0.01065	
0.419354838709677	0.01785	0.01724	0.01563	0.01378	0.01292	0.01056	
0.451612903225806	0.01768	0.01712	0.01542	0.01357	0.0129	0.01034	
0.483870967741936	0.0168	0.01632	0.01478	0.01324	0.01278	0.01028	
0.516129032258065	0.01645	0.01603	0.0147	0.01303	0.01254	0.01025	
0.548387096774194	0.01568	0.01516	0.01436	0.01295	0.01209	0.01006	
0.580645161290323	0.01557	0.01512	0.01364	0.01221	0.01184	0.01005	
0.612903225806452	0.01481	0.0147	0.01364	0.01214	0.01177	0.009795	
0.645161290322581	0.01423	0.01384	0.01306	0.01197	0.01173	0.009788	

0.67741935483871	0.01405	0.01369	0.01281	0.01178	0.01126	0.009632
0.709677419354839	0.01337	0.01309	0.0126	0.01169	0.01125	0.009362
0.741935483870968	0.01301	0.01292	0.01219	0.0115	0.01101	0.008644
0.774193548387097	0.01202	0.01197	0.01177	0.01137	0.01089	0.00862
0.806451612903226	0.0113	0.01094	0.01019	0.009553	0.009544	0.008429
0.838709677419355	0.01096	0.01064	0.009739	0.009175	0.009024	0.00818
0.870967741935484	0.01078	0.01058	0.009511	0.009078	0.008988	0.00807
0.903225806451613	0.009993	0.009878	0.009404	0.007787	0.007833	0.006599
0.935483870967742	0.009769	0.009681	0.009356	0.00776	0.007177	0.004775
0.967741935483871	0.006366	0.006078	0.005152	0.004156	0.003942	0.001778
0.1	0.023174	0.022446	0.020202	0.01748	0.016988	0.014167

Average of yearly averages: 0.0101684

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

Data used for this run:

Output File: FLTURF950					
Metfile:	w12834.dvf				
PRZM scenario:	FLturfC.txt				
EXAMS environment file:		ir298.exv			
Chemical Name:	MB45950				
Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0007	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

IN-FURROW CORN_FIPRONIL

stored as MSCORNFIP.out
Chemical: Fipronil
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.4178	0.3896	0.2955	0.176	0.1286	0.04505
1962	0.1013	0.0933	0.07226	0.04709	0.03657	0.01697
1963	0.1641	0.1519	0.1109	0.06165	0.04371	0.01954
1964	0.4987	0.4637	0.364	0.2072	0.1514	0.04541
1965	0.2765	0.2538	0.1918	0.1125	0.08292	0.02759
1966	0.3043	0.2811	0.2106	0.1233	0.08852	0.03264
1967	0.09729	0.0899	0.06918	0.04613	0.03489	0.01917
1968	0.2862	0.2624	0.1939	0.1287	0.1034	0.03387
1969	0.2821	0.2618	0.2187	0.1246	0.08878	0.03108
1970	0.3001	0.2786	0.2092	0.1292	0.09314	0.03478
1971	0.0522	0.04918	0.04032	0.01816	0.01513	0.007681
1972	0.1749	0.161	0.1216	0.1011	0.08624	0.03173
1973	0.9342	0.884	0.7278	0.4257	0.3042	0.08769
1974	0.4694	0.4354	0.3219	0.2223	0.191	0.05326
1975	0.07294	0.06711	0.05203	0.04045	0.03893	0.01718
1976	0.4161	0.3823	0.2748	0.1687	0.1371	0.03969
1977	0.1575	0.1498	0.1226	0.07749	0.06528	0.02935
1978	0.4629	0.4339	0.316	0.1719	0.1207	0.03848
1979	0.7941	0.7384	0.6136	0.3993	0.2892	0.07957
1980	0.6182	0.5742	0.4295	0.2503	0.1783	0.05939
1981	0.1591	0.1479	0.1207	0.07696	0.05644	0.01864
1982	0.2921	0.2747	0.2193	0.1256	0.0896	0.04058
1983	0.4257	0.3941	0.302	0.2087	0.1711	0.05303
1984	0.57	0.5249	0.4266	0.241	0.171	0.05063
1985	0.5011	0.4633	0.3381	0.1876	0.1329	0.04308
1986	0.2856	0.2759	0.2275	0.1694	0.1241	0.03382
1987	0.8293	0.7675	0.5667	0.3138	0.2225	0.08205
1988	0.086	0.07972	0.06527	0.04428	0.0415	0.02479
1989	0.1497	0.1379	0.1106	0.08182	0.0667	0.02145
1990	0.1643	0.1498	0.117	0.08217	0.06332	0.03328

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.9342	0.884	0.7278	0.4257	0.3042	0.08769	
0.0645161290322581		0.8293	0.7675	0.6136	0.3993	0.2892	0.08205
0.0967741935483871		0.7941	0.7384	0.5667	0.3138	0.2225	0.07957
0.129032258064516	0.6182	0.5742	0.4295	0.2503	0.191	0.05939	
0.161290322580645	0.57	0.5249	0.4266	0.241	0.1783	0.05326	
0.193548387096774	0.5011	0.4637	0.364	0.2223	0.1711	0.05303	
0.225806451612903	0.4987	0.4633	0.3381	0.2087	0.171	0.05063	
0.258064516129032	0.4694	0.4354	0.3219	0.2072	0.1514	0.04541	
0.290322580645161	0.4629	0.4339	0.316	0.1876	0.1371	0.04505	
0.32258064516129	0.4257	0.3941	0.302	0.176	0.1329	0.04308	
0.354838709677419	0.4178	0.3896	0.2955	0.1719	0.1286	0.04058	
0.387096774193548	0.4161	0.3823	0.2748	0.1694	0.1241	0.03969	
0.419354838709677	0.3043	0.2811	0.2275	0.1687	0.1207	0.03848	
0.451612903225806	0.3001	0.2786	0.2193	0.1292	0.1034	0.03478	
0.483870967741936	0.2921	0.2759	0.2187	0.1287	0.09314	0.03387	
0.516129032258065	0.2862	0.2747	0.2106	0.1256	0.0896	0.03382	
0.548387096774194	0.2856	0.2624	0.2092	0.1246	0.08878	0.03328	
0.580645161290323	0.2821	0.2618	0.1939	0.1233	0.08852	0.03264	

0.612903225806452	0.2765	0.2538	0.1918	0.1125	0.08624	0.03173
0.645161290322581	0.1749	0.161	0.1226	0.1011	0.08292	0.03108
0.67741935483871	0.1643	0.1519	0.1216	0.08217	0.0667	0.02935
0.709677419354839	0.1641	0.1498	0.1207	0.08182	0.06528	0.02759
0.741935483870968	0.1591	0.1498	0.117	0.07749	0.06332	0.02479
0.774193548387097	0.1575	0.1479	0.1109	0.07696	0.05644	0.02145
0.806451612903226	0.1497	0.1379	0.1106	0.06165	0.04371	0.01954
0.838709677419355	0.1013	0.0933	0.07226	0.04709	0.0415	0.01917
0.870967741935484	0.09729	0.0899	0.06918	0.04613	0.03893	0.01864
0.903225806451613	0.086	0.07972	0.06527	0.04428	0.03657	0.01718
0.935483870967742	0.07294	0.06711	0.05203	0.04045	0.03489	0.01697
0.967741935483871	0.0522	0.04918	0.04032	0.01816	0.01513	0.007681
0.1	0.77651	0.72198	0.55298	0.30745	0.21935	0.077552

Average of yearly averages: 0.0383823666666667

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

Data used for this run:
Output File: MSCORNFIP

Metfile:	w13893.dvf				
PRZM scenario:	MScornC.txt				
EXAMS environment file:		ir298.exv			
Chemical Name:	Fipronill				
Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.1456	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

IN-FURROW CORN_MB136

stored as MSCORN136.out
Chemical: MB46136
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.0604	0.057	0.04857	0.03651	0.02651	0.01017
1962	0.052	0.05016	0.04505	0.04103	0.03965	0.03399
1963	0.05428	0.05323	0.05025	0.04685	0.04608	0.04254
1964	0.115	0.1126	0.1053	0.08525	0.07954	0.06966
1965	0.1406	0.136	0.1246	0.11	0.1048	0.09452
1966	0.1324	0.1294	0.1209	0.1123	0.1115	0.1053
1967	0.1449	0.1417	0.1354	0.1196	0.116	0.1111
1968	0.1723	0.1675	0.1546	0.1442	0.1435	0.1283
1969	0.1695	0.1667	0.16	0.1509	0.1472	0.1399
1970	0.169	0.1668	0.1608	0.1541	0.1533	0.1485
1971	0.1714	0.1692	0.1623	0.1553	0.1529	0.1442
1972	0.2123	0.2089	0.1983	0.1861	0.1766	0.1499
1973	0.2426	0.2375	0.2242	0.2033	0.1951	0.1821
1974	0.221	0.2181	0.2102	0.2043	0.2029	0.1935
1975	0.2128	0.2112	0.2053	0.1984	0.196	0.1888
1976	0.2396	0.2341	0.2174	0.2039	0.2014	0.1886
1977	0.211	0.2088	0.2026	0.1946	0.195	0.188
1978	0.2747	0.2676	0.2516	0.217	0.2057	0.1983
1979	0.274	0.2688	0.2579	0.2434	0.2364	0.2215
1980	0.2643	0.2602	0.2478	0.2352	0.2306	0.2182
1981	0.235	0.2312	0.2231	0.2128	0.2124	0.2047
1982	0.2748	0.2713	0.2533	0.2311	0.2235	0.2098
1983	0.2806	0.2755	0.2662	0.2464	0.2369	0.2302
1984	0.2802	0.2761	0.2665	0.2513	0.2453	0.2363
1985	0.2662	0.2628	0.2523	0.2402	0.2372	0.2279
1986	0.2928	0.2883	0.2683	0.2508	0.2361	0.2177
1987	0.3192	0.3134	0.2717	0.2613	0.2464	0.2342
1988	0.317	0.3101	0.297	0.2737	0.267	0.2508
1989	0.2976	0.2936	0.2866	0.2806	0.2773	0.2603
1990	0.2869	0.2832	0.2756	0.2678	0.2649	0.2542

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.3192	0.3134	0.297	0.2806	0.2773	0.2603	
0.0645161290322581		0.317	0.3101	0.2866	0.2737	0.267	0.2542
0.0967741935483871		0.2976	0.2936	0.2756	0.2678	0.2649	0.2508
0.129032258064516	0.2928	0.2883	0.2717	0.2613	0.2464	0.2363	
0.161290322580645	0.2869	0.2832	0.2683	0.2513	0.2453	0.2342	
0.193548387096774	0.2806	0.2761	0.2665	0.2508	0.2372	0.2302	
0.225806451612903	0.2802	0.2755	0.2662	0.2464	0.2369	0.2279	
0.258064516129032	0.2748	0.2713	0.2579	0.2434	0.2364	0.2215	
0.290322580645161	0.2747	0.2688	0.2533	0.2402	0.2361	0.2182	
0.32258064516129	0.274	0.2676	0.2523	0.2352	0.2306	0.2177	
0.354838709677419	0.2662	0.2628	0.2516	0.2311	0.2235	0.2098	
0.387096774193548	0.2643	0.2602	0.2478	0.217	0.2124	0.2047	
0.419354838709677	0.2426	0.2375	0.2242	0.2128	0.2057	0.1983	
0.451612903225806	0.2396	0.2341	0.2231	0.2043	0.2029	0.1935	
0.483870967741936	0.235	0.2312	0.2174	0.2039	0.2014	0.1888	
0.516129032258065	0.221	0.2181	0.2102	0.2033	0.196	0.1886	

0.548387096774194	0.2128	0.2112	0.2053	0.1984	0.1951	0.188
0.580645161290323	0.2123	0.2089	0.2026	0.1946	0.195	0.1821
0.612903225806452	0.211	0.2088	0.1983	0.1861	0.1766	0.1499
0.645161290322581	0.1723	0.1692	0.1623	0.1553	0.1533	0.1485
0.67741935483871	0.1714	0.1675	0.1608	0.1541	0.1529	0.1442
0.709677419354839	0.1695	0.1668	0.16	0.1509	0.1472	0.1399
0.741935483870968	0.169	0.1667	0.1546	0.1442	0.1435	0.1283
0.774193548387097	0.1449	0.1417	0.1354	0.1196	0.116	0.1111
0.806451612903226	0.1406	0.136	0.1246	0.1123	0.1115	0.1053
0.838709677419355	0.1324	0.1294	0.1209	0.11	0.1048	0.09452
0.870967741935484	0.115	0.1126	0.1053	0.08525	0.07954	0.06966
0.903225806451613	0.0604	0.057	0.05025	0.04685	0.04608	0.04254
0.935483870967742	0.05428	0.05323	0.04857	0.04103	0.03965	0.03399
0.967741935483871	0.052	0.05016	0.04505	0.03651	0.02651	0.01017
0.1	0.29712	0.29307	0.27521	0.26715	0.26305	0.24935

Average of yearly averages: 0.169439333333333

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

Data used for this run:

Output File: MSCORN136

Metfile: w13893.dvf

PRZM scenario: MScornC.txt

EXAMS environment file: ir298.exv

Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0349	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

IN-FURROW CORN_MB513

stored as MSCORN513.out
Chemical: MB46513
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.005534	0.005451	0.005167	0.004152	0.003234	0.001562
1962	0.0054	0.005351	0.005197	0.005041	0.004967	0.004321
1963	0.00606	0.006036	0.005953	0.005608	0.005546	0.005176
1964	0.0104	0.01028	0.00987	0.009237	0.008881	0.007743
1965	0.01241	0.01229	0.01203	0.01143	0.0111	0.009363
1966	0.01285	0.01278	0.01252	0.01208	0.01182	0.01125
1967	0.01328	0.01323	0.01317	0.01245	0.01223	0.01186
1968	0.01615	0.01604	0.01563	0.01533	0.01529	0.01326
1969	0.01651	0.01645	0.01628	0.01588	0.01562	0.01496
1970	0.01733	0.01726	0.01705	0.0166	0.01634	0.01586
1971	0.01614	0.01608	0.01596	0.01582	0.0158	0.01522
1972	0.01892	0.01886	0.01866	0.01843	0.01788	0.01583
1973	0.02418	0.02399	0.02338	0.02234	0.0217	0.01957
1974	0.02318	0.02308	0.02276	0.02209	0.02208	0.02069
1975	0.02082	0.02077	0.02061	0.02048	0.02017	0.01982
1976	0.02374	0.02358	0.02299	0.02239	0.02237	0.02034
1977	0.02245	0.02235	0.02209	0.02173	0.02179	0.02108
1978	0.02424	0.02416	0.02378	0.02308	0.02266	0.02175
1979	0.02711	0.027	0.02675	0.0262	0.02568	0.02357
1980	0.0266	0.02648	0.02605	0.02528	0.02483	0.02369
1981	0.02424	0.02416	0.02403	0.02382	0.02374	0.02292
1982	0.02549	0.02544	0.02518	0.02429	0.02397	0.02329
1983	0.02786	0.02773	0.02726	0.02647	0.02599	0.02486
1984	0.02907	0.02893	0.02841	0.02762	0.02709	0.02564
1985	0.02797	0.02787	0.02746	0.02675	0.02631	0.02525
1986	0.02918	0.02909	0.02858	0.02778	0.02625	0.02444
1987	0.031	0.03084	0.03024	0.0292	0.0286	0.02724
1988	0.03023	0.03014	0.02985	0.02945	0.02916	0.02796
1989	0.0293	0.02924	0.02915	0.02888	0.02869	0.02767
1990	0.02862	0.02855	0.02826	0.02801	0.02785	0.02735

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.031	0.03084	0.03024	0.02945	0.02916	0.02796	
0.0645161290322581		0.03023	0.03014	0.02985	0.0292	0.02869	0.02767
0.0967741935483871		0.0293	0.02924	0.02915	0.02888	0.0286	0.02735
0.129032258064516	0.02918	0.02909	0.02858	0.02801	0.02785	0.02724	
0.161290322580645	0.02907	0.02893	0.02841	0.02778	0.02709	0.02564	
0.193548387096774	0.02862	0.02855	0.02826	0.02762	0.02631	0.02525	
0.225806451612903	0.02797	0.02787	0.02746	0.02675	0.02625	0.02486	
0.258064516129032	0.02786	0.02773	0.02726	0.02647	0.02599	0.02444	
0.290322580645161	0.02711	0.027	0.02675	0.0262	0.02568	0.02369	
0.32258064516129	0.0266	0.02648	0.02605	0.02528	0.02483	0.02357	
0.354838709677419	0.02549	0.02544	0.02518	0.02429	0.02397	0.02329	
0.387096774193548	0.02424	0.02416	0.02403	0.02382	0.02374	0.02292	
0.419354838709677	0.02424	0.02416	0.02378	0.02308	0.02266	0.02175	
0.451612903225806	0.02418	0.02399	0.02338	0.02239	0.02237	0.02108	
0.483870967741936	0.02374	0.02358	0.02299	0.02234	0.02208	0.02069	
0.516129032258065	0.02318	0.02308	0.02276	0.02209	0.02179	0.02034	
0.548387096774194	0.02245	0.02235	0.02209	0.02173	0.0217	0.01982	
0.580645161290323	0.02082	0.02077	0.02061	0.02048	0.02017	0.01957	

0.612903225806452	0.01892	0.01886	0.01866	0.01843	0.01788	0.01586
0.645161290322581	0.01733	0.01726	0.01705	0.0166	0.01634	0.01583
0.67741935483871	0.01651	0.01645	0.01628	0.01588	0.0158	0.01522
0.709677419354839	0.01615	0.01608	0.01596	0.01582	0.01562	0.01496
0.741935483870968	0.01614	0.01604	0.01563	0.01533	0.01529	0.01326
0.774193548387097	0.01328	0.01323	0.01317	0.01245	0.01223	0.01186
0.806451612903226	0.01285	0.01278	0.01252	0.01208	0.01182	0.01125
0.838709677419355	0.01241	0.01229	0.01203	0.01143	0.0111	0.009363
0.870967741935484	0.0104	0.01028	0.00987	0.009237	0.008881	0.007743
0.903225806451613	0.00606	0.006036	0.005953	0.005608	0.005546	0.005176
0.935483870967742	0.005534	0.005451	0.005197	0.005041	0.004967	0.004321
0.967741935483871	0.0054	0.005351	0.005167	0.004152	0.003234	0.001562
0.1	0.029288	0.029225	0.029093	0.028793	0.028525	0.027339
					Average of yearly averages:	0.0184511666666667

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

Data used for this run:
Output File: MSCORN513
Metfile: w13893.dvf
PRZM scenario: MScornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0014	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

IN-FURROW CORN_MB950

stored as MSCORN950.out
Chemical: MB45950
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 17:06:02
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13893.dvf modified Wedday, 3 July 2002 at 09:06:20
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.01884	0.01817	0.01625	0.01225	0.009045	0.003695
1962	0.01662	0.01629	0.01528	0.01436	0.01404	0.01224
1963	0.01813	0.01795	0.01739	0.01596	0.01574	0.01499
1964	0.03393	0.03332	0.03194	0.02754	0.02615	0.02348
1965	0.04196	0.04117	0.03917	0.036	0.03462	0.03077
1966	0.04097	0.04055	0.03924	0.03735	0.0365	0.0353
1967	0.0454	0.0449	0.04404	0.04027	0.03926	0.03775
1968	0.05357	0.05274	0.05045	0.04855	0.04835	0.04325
1969	0.05444	0.05362	0.05267	0.05063	0.04968	0.0477
1970	0.05628	0.05587	0.05465	0.05286	0.05211	0.05102
1971	0.05528	0.05482	0.05369	0.05255	0.05213	0.04999
1972	0.06763	0.06712	0.06534	0.06266	0.06005	0.05232
1973	0.07871	0.07763	0.07476	0.07003	0.06772	0.06307
1974	0.07426	0.07385	0.07226	0.07046	0.07009	0.0669
1975	0.06932	0.06895	0.06791	0.06729	0.06685	0.06536
1976	0.07904	0.07805	0.07473	0.07165	0.0712	0.06651
1977	0.07308	0.07263	0.07157	0.06963	0.06973	0.06746
1978	0.08609	0.08508	0.08232	0.07465	0.07198	0.07069
1979	0.08955	0.08865	0.08705	0.08421	0.08217	0.0773
1980	0.08811	0.08739	0.08495	0.08167	0.08018	0.07702
1981	0.0806	0.07994	0.0787	0.07625	0.07625	0.07398
1982	0.09078	0.0902	0.08677	0.08114	0.07924	0.0758
1983	0.09292	0.09212	0.09013	0.0858	0.08446	0.08214
1984	0.09629	0.0955	0.0933	0.08972	0.08783	0.08472
1985	0.09245	0.09183	0.08971	0.0867	0.08538	0.08263
1986	0.09912	0.09824	0.09461	0.0906	0.08584	0.08015
1987	0.1058	0.1048	0.09638	0.09369	0.0896	0.08652
1988	0.106	0.1049	0.1022	0.09768	0.09609	0.09148
1989	0.102	0.1014	0.09954	0.09871	0.09811	0.09365
1990	0.09919	0.09859	0.09694	0.09553	0.09497	0.09244

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.106	0.1049	0.1022	0.09871	0.09811	0.09365	
0.0645161290322581		0.1058	0.1048	0.09954	0.09768	0.09609	0.09244
0.0967741935483871		0.102	0.1014	0.09694	0.09553	0.09497	0.09148
0.129032258064516	0.09919	0.09859	0.09638	0.09369	0.0896	0.08652	
0.161290322580645	0.09912	0.09824	0.09461	0.0906	0.08783	0.08472	
0.193548387096774	0.09629	0.0955	0.0933	0.08972	0.08584	0.08263	
0.225806451612903	0.09292	0.09212	0.09013	0.0867	0.08538	0.08214	
0.258064516129032	0.09245	0.09183	0.08971	0.0858	0.08446	0.08015	
0.290322580645161	0.09078	0.0902	0.08705	0.08421	0.08217	0.0773	
0.32258064516129	0.08955	0.08865	0.08677	0.08167	0.08018	0.07702	
0.354838709677419	0.08811	0.08739	0.08495	0.08114	0.07924	0.0758	
0.387096774193548	0.08609	0.08508	0.08232	0.07625	0.07625	0.07398	
0.419354838709677	0.0806	0.07994	0.0787	0.07465	0.07198	0.07069	
0.451612903225806	0.07904	0.07805	0.07476	0.07165	0.0712	0.06746	
0.483870967741936	0.07871	0.07763	0.07473	0.07046	0.07009	0.0669	
0.516129032258065	0.07426	0.07385	0.07226	0.07003	0.06973	0.06651	
0.548387096774194	0.07308	0.07263	0.07157	0.06963	0.06772	0.06536	
0.580645161290323	0.06932	0.06895	0.06791	0.06729	0.06685	0.06307	
0.612903225806452	0.06763	0.06712	0.06534	0.06266	0.06005	0.05232	
0.645161290322581	0.05628	0.05587	0.05465	0.05286	0.05213	0.05102	
0.67741935483871	0.05528	0.05482	0.05369	0.05255	0.05211	0.04999	

0.709677419354839	0.05444	0.05362	0.05267	0.05063	0.04968	0.0477
0.741935483870968	0.05357	0.05274	0.05045	0.04855	0.04835	0.04325
0.774193548387097	0.0454	0.0449	0.04404	0.04027	0.03926	0.03775
0.806451612903226	0.04196	0.04117	0.03924	0.03735	0.0365	0.0353
0.838709677419355	0.04097	0.04055	0.03917	0.036	0.03462	0.03077
0.870967741935484	0.03393	0.03332	0.03194	0.02754	0.02615	0.02348
0.903225806451613	0.01884	0.01817	0.01739	0.01596	0.01574	0.01499
0.935483870967742	0.01813	0.01795	0.01625	0.01436	0.01404	0.01224
0.967741935483871	0.01662	0.01629	0.01528	0.01225	0.009045	0.003695
0.1	0.101719	0.101119	0.096884	0.095346	0.094433	0.090984

Average of yearly averages: 0.0600108333333333

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

Data used for this run:
Output File: MSCORN950
Metfile: w13893.dvf
PRZM scenario: MScornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	4	cm		
Application Rate:	TAPP	0.0072	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TEXAS LEAFCUTTER ANT_FIPRONIL

stored as TXALFFIP.out
Chemical: Fipronill
PRZM environment: TXalfalfaC.txt modified Satday, 12 October 2002 at 17:27:40
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13958.dvf modified Wedday, 3 July 2002 at 09:06:24
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	29.47	26.88	19.64	13.48	9.899	2.667
1962	15.76	14.37	12.08	7.602	6.534	2.15
1963	1.554	1.407	1.093	0.6539	0.5155	0.2303
1964	30.18	27.32	18.68	9.525	6.77	2.361
1965	34.26	31.7	25.41	15.16	11.09	3.305
1966	17.59	16.28	13.61	8.054	5.88	1.975
1967	11.41	10.5	8.763	7.139	5.469	1.745
1968	20.81	19.13	16.25	10.16	7.91	2.249
1969	25.7	23.71	18.14	12.59	9.467	2.788
1970	30.54	28.14	23.47	13.54	9.554	2.643
1971	8.005	7.511	5.395	3.002	2.568	1.049
1972	28.99	26.52	22.53	13.17	9.588	2.58
1973	9.968	9.271	6.944	4.269	4.372	1.95
1974	23.27	21.22	14.91	8.157	5.986	2.193
1975	28.89	27.35	20.33	16.14	12.87	3.477
1976	40.29	38.31	30.29	20.25	15.3	4.117
1977	27.57	26.02	21.4	12.4	8.878	2.42
1978	14.43	13.19	11.1	9.32	6.873	2.05
1979	30.51	28.11	20.19	11.75	10	3.21
1980	14.53	13.4	10.61	7.017	5.007	1.478
1981	36.01	33.65	25.72	19.2	14.21	3.787
1982	27.94	25.65	18.88	14.84	11.08	2.891
1983	15.47	14.59	11.5	8.214	6.24	1.742
1984	5.001	4.652	4.023	2.699	2.084	0.6827
1985	8.924	8.095	5.742	4.042	2.971	1.21
1986	26.07	24.14	20.93	13.6	9.714	2.808
1987	26.77	24.34	21.74	13.2	9.484	2.543
1988	8.89	8.133	6.528	4.325	3.436	0.9774
1989	19.55	17.85	13.87	9.504	7.511	2.082
1990	26.12	23.89	17.86	11.44	8.428	2.441

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	40.29	38.31	30.29	20.25	15.3	4.117	
0.0645161290322581		36.01	33.65	25.72	19.2	14.21	3.787
0.0967741935483871		34.26	31.7	25.41	16.14	12.87	3.477
0.129032258064516	30.54	28.14	23.47	15.16	11.09	3.305	
0.161290322580645	30.51	28.11	22.53	14.84	11.08	3.21	
0.193548387096774	30.18	27.35	21.74	13.6	10	2.891	
0.225806451612903	29.47	27.32	21.4	13.54	9.899	2.808	
0.258064516129032	28.99	26.88	20.93	13.48	9.714	2.788	
0.290322580645161	28.89	26.52	20.33	13.2	9.588	2.667	
0.32258064516129	27.94	26.02	20.19	13.17	9.554	2.643	
0.354838709677419	27.57	25.65	19.64	12.59	9.484	2.58	
0.387096774193548	26.77	24.34	18.88	12.4	9.467	2.543	
0.419354838709677	26.12	24.14	18.68	11.75	8.878	2.441	
0.451612903225806	26.07	23.89	18.14	11.44	8.428	2.42	
0.483870967741936	25.7	23.71	17.86	10.16	7.91	2.361	
0.516129032258065	23.27	21.22	16.25	9.525	7.511	2.249	
0.548387096774194	20.81	19.13	14.91	9.504	6.873	2.193	
0.580645161290323	19.55	17.85	13.87	9.32	6.77	2.15	
0.612903225806452	17.59	16.28	13.61	8.214	6.534	2.082	
0.645161290322581	15.76	14.59	12.08	8.157	6.24	2.05	
0.67741935483871	15.47	14.37	11.5	8.054	5.986	1.975	
0.709677419354839	14.53	13.4	11.1	7.602	5.88	1.95	

0.741935483870968	14.43	13.19	10.61	7.139	5.469	1.745
0.774193548387097	11.41	10.5	8.763	7.017	5.007	1.742
0.806451612903226	9.968	9.271	6.944	4.325	4.372	1.478
0.838709677419355	8.924	8.133	6.528	4.269	3.436	1.21
0.870967741935484	8.89	8.095	5.742	4.042	2.971	1.049
0.903225806451613	8.005	7.511	5.395	3.002	2.568	0.9774
0.935483870967742	5.001	4.652	4.023	2.699	2.084	0.6827
0.967741935483871	1.554	1.407	1.093	0.6539	0.5155	0.2303
0.1	33.888	31.344	25.216	16.042	12.692	3.4598

Average of yearly averages: 2.26004666666667

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

Data used for this run:
Output File: TXALFFIP
Metfile: w13958.dvf
PRZM scenario: TXalfalfaC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronill

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.322	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TEXAS LEAFCUTTER ANT_MB136

stored as TXALF136.out
Chemical: MB46136
PRZM environment: TXalfalfaC.txt modified Satday, 12 October 2002 at 17:27:40
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13958.dvf modified Wedday, 3 July 2002 at 09:06:24
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.257	3.932	3.24	2.832	2.449	1.106
1962	4.365	4.18	3.737	3.38	3.198	2.369
1963	3.445	3.387	3.207	3.013	2.997	2.79
1964	8.665	8.191	6.746	5.247	4.993	3.889
1965	9.363	9.007	8.234	7.063	6.635	5.908
1966	8.044	7.935	7.411	6.986	6.774	6.369
1967	7.901	7.796	7.402	7.126	7.024	6.481
1968	9.39	9.179	8.789	8.194	8.101	7.372
1969	9.211	9.035	8.578	8.313	8.133	7.657
1970	10.78	10.51	10.13	9.231	8.819	8.001
1971	9.133	9.036	8.52	7.921	7.717	7.509
1972	10.16	9.97	9.745	8.934	8.614	7.714
1973	11.75	11.55	10.76	9.886	9.41	8.002
1974	10.93	10.69	9.946	9.177	8.949	8.676
1975	12.74	12.5	11.64	11.09	10.69	9.556
1976	12.5	12.31	11.63	11.15	10.98	10.01
1977	11.76	11.62	11.24	10.54	10.25	9.578
1978	10.79	10.62	10.24	9.842	9.608	9.115
1979	13.77	13.42	12.6	11.49	11.32	10.01
1980	11.36	11.23	10.85	10.41	10.25	9.714
1981	18.41	17.98	16.29	14.08	13.3	10.88
1982	13.87	13.6	12.85	12.15	11.86	10.81
1983	11.48	11.38	11.12	10.81	10.67	10.18
1984	10.64	10.48	10.08	9.588	9.52	9.185
1985	10.33	10.17	9.752	9.332	9.135	8.926
1986	11.3	11.15	10.75	10	9.634	9.081
1987	13.3	12.95	12.37	11.51	11.01	9.703
1988	10.07	9.992	9.712	9.481	9.38	9.011
1989	11.17	10.93	10.29	9.735	9.431	8.647
1990	10.58	10.36	9.726	9.284	9.059	8.474

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	18.41	17.98	16.29	14.08	13.3	10.88	
0.0645161290322581		13.87	13.6	12.85	12.15	11.86	10.81
0.0967741935483871		13.77	13.42	12.6	11.51	11.32	10.18
0.129032258064516	13.3	12.95	12.37	11.49	11.01	10.01	
0.161290322580645	12.74	12.5	11.64	11.15	10.98	10.01	
0.193548387096774	12.5	12.31	11.63	11.09	10.69	9.714	
0.225806451612903	11.76	11.62	11.24	10.81	10.67	9.703	
0.258064516129032	11.75	11.55	11.12	10.54	10.25	9.578	
0.290322580645161	11.48	11.38	10.85	10.41	10.25	9.556	
0.32258064516129	11.36	11.23	10.76	10	9.634	9.185	
0.354838709677419	11.3	11.15	10.75	9.886	9.608	9.115	
0.387096774193548	11.17	10.93	10.29	9.842	9.52	9.081	
0.419354838709677	10.93	10.69	10.24	9.735	9.431	9.011	
0.451612903225806	10.79	10.62	10.13	9.588	9.41	8.926	
0.483870967741936	10.78	10.51	10.08	9.481	9.38	8.676	
0.516129032258065	10.64	10.48	9.946	9.332	9.135	8.647	
0.548387096774194	10.58	10.36	9.752	9.284	9.059	8.474	
0.580645161290323	10.33	10.17	9.745	9.231	8.949	8.002	
0.612903225806452	10.16	9.992	9.726	9.177	8.819	8.001	
0.645161290322581	10.07	9.97	9.712	8.934	8.614	7.714	
0.67741935483871	9.39	9.179	8.789	8.313	8.133	7.657	

0.709677419354839	9.363	9.036	8.578	8.194	8.101	7.509
0.741935483870968	9.211	9.035	8.52	7.921	7.717	7.372
0.774193548387097	9.133	9.007	8.234	7.126	7.024	6.481
0.806451612903226	8.665	8.191	7.411	7.063	6.774	6.369
0.838709677419355	8.044	7.935	7.402	6.986	6.635	5.908
0.870967741935484	7.901	7.796	6.746	5.247	4.993	3.889
0.903225806451613	4.365	4.18	3.737	3.38	3.198	2.79
0.935483870967742	4.257	3.932	3.24	3.013	2.997	2.369
0.967741935483871	3.445	3.387	3.207	2.832	2.449	1.106
0.1	13.723	13.373	12.577	11.508	11.289	10.163
					Average of yearly averages:	7.89076666666667

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

Data used for this run:
Output File: TXALF136

Metfile:	w13958.dvf				
PRZM scenario:	TXalfalfaC.txt				
EXAMS environment file:	ir298.exv				
Chemical Name:	MB46136				
Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0770	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TEXAS LEAFCUTTER _MB513

stored as TXALF513.out
Chemical: MB46513
PRZM environment: TXalfalfaC.txt modified Satday, 12 October 2002 at 17:27:40
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13958.dvf modified Wedday, 3 July 2002 at 09:06:24
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.3995	0.3929	0.3781	0.3398	0.3213	0.1566
1962	0.4571	0.4528	0.4427	0.432	0.4233	0.3381
1963	0.3948	0.3943	0.392	0.3898	0.3891	0.3758
1964	0.7534	0.7425	0.7028	0.6395	0.6098	0.498
1965	0.9182	0.909	0.8887	0.8408	0.8112	0.7131
1966	0.8628	0.8599	0.8518	0.8293	0.8163	0.7832
1967	0.8636	0.8601	0.853	0.8394	0.8305	0.8027
1968	0.9996	0.9935	0.9841	0.9581	0.9502	0.8706
1969	1.03	1.025	1.014	1.002	0.9922	0.9284
1970	1.187	1.179	1.154	1.119	1.09	0.9864
1971	1.042	1.039	1.023	0.9935	0.9788	0.9539
1972	1.175	1.168	1.152	1.121	1.1	0.9974
1973	1.162	1.158	1.142	1.111	1.095	1.013
1974	1.21	1.204	1.179	1.138	1.115	1.08
1975	1.378	1.369	1.345	1.327	1.304	1.18
1976	1.422	1.414	1.403	1.39	1.378	1.263
1977	1.416	1.409	1.392	1.354	1.33	1.243
1978	1.354	1.347	1.324	1.293	1.278	1.211
1979	1.501	1.493	1.461	1.419	1.401	1.292
1980	1.4	1.396	1.378	1.347	1.329	1.269
1981	1.76	1.745	1.702	1.62	1.569	1.364
1982	1.605	1.596	1.571	1.527	1.505	1.39
1983	1.432	1.429	1.419	1.4	1.389	1.328
1984	1.272	1.272	1.271	1.265	1.261	1.215
1985	1.255	1.25	1.236	1.211	1.195	1.171
1986	1.366	1.359	1.337	1.298	1.271	1.188
1987	1.467	1.458	1.432	1.395	1.367	1.239
1988	1.266	1.263	1.248	1.231	1.219	1.178
1989	1.316	1.309	1.283	1.257	1.235	1.147
1990	1.292	1.285	1.261	1.235	1.219	1.142

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	1.76	1.745	1.702	1.62	1.569	1.39	
0.0645161290322581		1.605	1.596	1.571	1.527	1.505	1.364
0.0967741935483871		1.501	1.493	1.461	1.419	1.401	1.328
0.129032258064516	1.467	1.458	1.432	1.4	1.389	1.292	
0.161290322580645	1.432	1.429	1.419	1.395	1.378	1.269	
0.193548387096774	1.422	1.414	1.403	1.39	1.367	1.263	
0.225806451612903	1.416	1.409	1.392	1.354	1.33	1.243	
0.258064516129032	1.4	1.396	1.378	1.347	1.329	1.239	
0.290322580645161	1.378	1.369	1.345	1.327	1.304	1.215	
0.32258064516129	1.366	1.359	1.337	1.298	1.278	1.211	
0.354838709677419	1.354	1.347	1.324	1.293	1.271	1.188	
0.387096774193548	1.316	1.309	1.283	1.265	1.261	1.18	
0.419354838709677	1.292	1.285	1.271	1.257	1.235	1.178	
0.451612903225806	1.272	1.272	1.261	1.235	1.219	1.171	
0.483870967741936	1.266	1.263	1.248	1.231	1.219	1.147	
0.516129032258065	1.255	1.25	1.236	1.211	1.195	1.142	
0.548387096774194	1.21	1.204	1.179	1.138	1.115	1.08	
0.580645161290323	1.187	1.179	1.154	1.121	1.1	1.013	
0.612903225806452	1.175	1.168	1.152	1.119	1.095	0.9974	
0.645161290322581	1.162	1.158	1.142	1.111	1.09	0.9864	

0.67741935483871	1.042	1.039	1.023	1.002	0.9922	0.9539
0.709677419354839	1.03	1.025	1.014	0.9935	0.9788	0.9284
0.741935483870968	0.9996	0.9935	0.9841	0.9581	0.9502	0.8706
0.774193548387097	0.9182	0.909	0.8887	0.8408	0.8305	0.8027
0.806451612903226	0.8636	0.8601	0.853	0.8394	0.8163	0.7832
0.838709677419355	0.8628	0.8599	0.8518	0.8293	0.8112	0.7131
0.870967741935484	0.7534	0.7425	0.7028	0.6395	0.6098	0.498
0.903225806451613	0.4571	0.4528	0.4427	0.432	0.4233	0.3758
0.935483870967742	0.3995	0.3943	0.392	0.3898	0.3891	0.3381
0.967741935483871	0.3948	0.3929	0.3781	0.3398	0.3213	0.1566
0.1	1.4976	1.4895	1.4581	1.4171	1.3998	1.3244

Average of yearly averages: 1.01057333333333

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

Data used for this run:
Output File: TXALF513
Metfile: w13958.dvf
PRZM scenario: TXalfalfaC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0031	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TEXAS LEAFCUTTER ANT_MB950

stored as TXALF950.out
Chemical: MB45950
PRZM environment: TXalfalfaC.txt modified Satday, 12 October 2002 at 17:27:40
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13958.dvf modified Wedday, 3 July 2002 at 09:06:24
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.235	1.199	1.089	0.9576	0.8594	0.3979
1962	1.364	1.332	1.254	1.184	1.14	0.8649
1963	1.15	1.142	1.113	1.074	1.07	1.018
1964	2.517	2.436	2.165	1.822	1.742	1.391
1965	2.908	2.844	2.698	2.435	2.311	2.064
1966	2.638	2.619	2.524	2.429	2.379	2.258
1967	2.643	2.625	2.558	2.498	2.474	2.323
1968	3.109	3.071	2.993	2.863	2.836	2.607
1969	3.104	3.071	2.987	2.945	2.9	2.74
1970	3.599	3.558	3.475	3.283	3.17	2.894
1971	3.166	3.152	3.051	2.911	2.854	2.781
1972	3.535	3.506	3.442	3.268	3.183	2.89
1973	3.816	3.784	3.656	3.463	3.362	2.983
1974	3.742	3.699	3.556	3.362	3.299	3.21
1975	4.299	4.251	4.091	3.98	3.88	3.517
1976	4.298	4.269	4.151	4.068	4.022	3.712
1977	4.21	4.18	4.096	3.928	3.844	3.617
1978	3.971	3.936	3.836	3.725	3.669	3.5
1979	4.712	4.652	4.473	4.239	4.174	3.796
1980	4.18	4.154	4.067	3.953	3.891	3.727
1981	5.921	5.814	5.509	5.02	4.81	4.09
1982	4.911	4.86	4.711	4.518	4.451	4.115
1983	4.283	4.262	4.212	4.135	4.095	3.93
1984	3.928	3.9	3.811	3.743	3.735	3.62
1985	3.875	3.846	3.762	3.654	3.587	3.527
1986	4.189	4.151	4.059	3.876	3.776	3.574
1987	4.678	4.614	4.477	4.288	4.16	3.758
1988	3.853	3.837	3.771	3.706	3.675	3.554
1989	4.096	4.051	3.911	3.783	3.698	3.442
1990	3.942	3.902	3.769	3.656	3.594	3.393

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	5.921	5.814	5.509	5.02	4.81	4.115	
0.0645161290322581		4.911	4.86	4.711	4.518	4.451	4.09
0.0967741935483871		4.712	4.652	4.477	4.288	4.174	3.93
0.129032258064516	4.678	4.614	4.473	4.239	4.16	3.796	
0.161290322580645	4.299	4.269	4.212	4.135	4.095	3.758	
0.193548387096774	4.298	4.262	4.151	4.068	4.022	3.727	
0.225806451612903	4.283	4.251	4.096	3.98	3.891	3.712	
0.258064516129032	4.21	4.18	4.091	3.953	3.88	3.62	
0.290322580645161	4.189	4.154	4.067	3.928	3.844	3.617	
0.32258064516129	4.18	4.151	4.059	3.876	3.776	3.574	
0.354838709677419	4.096	4.051	3.911	3.783	3.735	3.554	
0.387096774193548	3.971	3.936	3.836	3.743	3.698	3.527	
0.419354838709677	3.942	3.902	3.811	3.725	3.675	3.517	
0.451612903225806	3.928	3.9	3.771	3.706	3.669	3.5	
0.483870967741936	3.875	3.846	3.769	3.656	3.594	3.442	
0.516129032258065	3.853	3.837	3.762	3.654	3.587	3.393	
0.548387096774194	3.816	3.784	3.656	3.463	3.362	3.21	
0.580645161290323	3.742	3.699	3.556	3.362	3.299	2.983	
0.612903225806452	3.599	3.558	3.475	3.283	3.183	2.894	

0.645161290322581	3.535	3.506	3.442	3.268	3.17	2.89
0.67741935483871	3.166	3.152	3.051	2.945	2.9	2.781
0.709677419354839	3.109	3.071	2.993	2.911	2.854	2.74
0.741935483870968	3.104	3.071	2.987	2.863	2.836	2.607
0.774193548387097	2.908	2.844	2.698	2.498	2.474	2.323
0.806451612903226	2.643	2.625	2.558	2.435	2.379	2.258
0.838709677419355	2.638	2.619	2.524	2.429	2.311	2.064
0.870967741935484	2.517	2.436	2.165	1.822	1.742	1.391
0.903225806451613	1.364	1.332	1.254	1.184	1.14	1.018
0.935483870967742	1.235	1.199	1.113	1.074	1.07	0.8649
0.967741935483871	1.15	1.142	1.089	0.9576	0.8594	0.3979
0.1	4.7086	4.6482	4.4766	4.2831	4.1726	3.9166
					Average of yearly averages:	2.97646

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

Data used for this run:
Output File: TXALF950
Metfile: w13958.dvf
PRZM scenario: TXalfalfaC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.1	cm		
Application Rate:	TAPP	0.0158	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

MOLECRICKET_FIPRONIL

stored as FLMOLEFIP.out
Chemical: Fipronil
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.008414	0.007641	0.005279	0.003151	0.002321	0.0006998
1962	0.005181	0.004791	0.003431	0.002436	0.001896	0.0005053
1963	0.00815	0.007413	0.005911	0.003328	0.003083	0.0009535
1964	0.02076	0.01907	0.01413	0.007614	0.005605	0.001763
1965	0.004844	0.004655	0.003832	0.00229	0.001693	0.0004466
1966	0.01301	0.01217	0.009527	0.00521	0.004543	0.001642
1967	0.02274	0.02078	0.01508	0.008324	0.006552	0.001892
1968	0.004764	0.004439	0.003232	0.002073	0.001652	0.0005088
1969	0.004655	0.004263	0.003562	0.002031	0.001527	0.0004785
1970	0.001345	0.001224	0.0008475		0.0005054	0.0003705 9.818e-005
1971	0.004853	0.004433	0.003123	0.00194	0.001496	0.0004062
1972	0.00246	0.002243	0.001554	0.0009231		0.0006798 0.0003199
1973	0.004192	0.00383	0.002783	0.001595	0.001145	0.0003018
1974	0.004729	0.0044	0.00372	0.002202	0.001634	0.0005013
1975	0.008449	0.007758	0.005653	0.003082	0.002195	0.0006775
1976	0.004687	0.004398	0.00372	0.00219	0.001583	0.0004935
1977	0.01257	0.0114	0.007907	0.004626	0.003325	0.001045
1978	0.02564	0.02339	0.01636	0.00886	0.006408	0.001719
1979	0.0169	0.01529	0.01119	0.006036	0.004272	0.00126
1980	0.004882	0.004454	0.003212	0.001778	0.001644	0.0004745
1981	0.009872	0.008911	0.006048	0.003321	0.002553	0.000775
1982	0.01117	0.01014	0.007587	0.004117	0.002977	0.001062
1983	0.004609	0.004176	0.003097	0.001693	0.001317	0.0005711
1984	0.009255	0.00847	0.00597	0.003283	0.003172	0.0008902
1985	0.006556	0.006019	0.004314	0.002335	0.001662	0.0004365
1986	0.02043	0.0185	0.01318	0.006919	0.004869	0.00125
1987	0.001496	0.001365	0.0009572		0.0005384	0.0004125 0.0001327
1988	0.000761	0.0006898		0.0005146		0.0003343 0.0002992 0.0001284
1989	0.006186	0.005714	0.00403	0.002115	0.001486	0.0003839
1990	0.001216	0.001101	0.0007508		0.0005753	0.0004249 0.0001129

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.02564	0.02339	0.01636	0.00886	0.006552	0.001892	
0.0645161290322581		0.02274	0.02078	0.01508	0.008324	0.006408	0.001763
0.0967741935483871		0.02076	0.01907	0.01413	0.007614	0.005605	0.001719
0.129032258064516	0.02043	0.0185	0.01318	0.006919	0.004869	0.001642	
0.161290322580645	0.0169	0.01529	0.01119	0.006036	0.004543	0.00126	
0.193548387096774	0.01301	0.01217	0.009527	0.00521	0.004272	0.00125	
0.225806451612903	0.01257	0.0114	0.007907	0.004626	0.003325	0.001062	
0.258064516129032	0.01117	0.01014	0.007587	0.004117	0.003172	0.001045	
0.290322580645161	0.009872	0.008911	0.006048	0.003328	0.003083	0.0009535	
0.32258064516129	0.009255	0.00847	0.00597	0.003321	0.002977	0.0008902	
0.354838709677419	0.008449	0.007758	0.005911	0.003283	0.002553	0.000775	
0.387096774193548	0.008414	0.007641	0.005653	0.003151	0.002321	0.0006998	
0.419354838709677	0.00815	0.007413	0.005279	0.003082	0.002195	0.0006775	
0.451612903225806	0.006556	0.006019	0.004314	0.002436	0.001896	0.0005711	
0.483870967741936	0.006186	0.005714	0.00403	0.002335	0.001693	0.0005088	
0.516129032258065	0.005181	0.004791	0.003832	0.00229	0.001662	0.0005053	
0.548387096774194	0.004882	0.004655	0.00372	0.002202	0.001652	0.0005013	
0.580645161290323	0.004853	0.004454	0.00372	0.00219	0.001644	0.0004935	
0.612903225806452	0.004844	0.004439	0.003562	0.002115	0.001634	0.0004785	

0.645161290322581	0.004764	0.004433	0.003431	0.002073	0.001583	0.0004745		
0.67741935483871	0.004729	0.0044	0.003232	0.002031	0.001527	0.0004466		
0.709677419354839	0.004687	0.004398	0.003212	0.00194	0.001496	0.0004365		
0.741935483870968	0.004655	0.004263	0.003123	0.001778	0.001486	0.0004062		
0.774193548387097	0.004609	0.004176	0.003097	0.001693	0.001317	0.0003839		
0.806451612903226	0.004192	0.00383	0.002783	0.001595	0.001145	0.0003199		
0.838709677419355	0.00246	0.002243	0.001554	0.0009231		0.0006798	0.0003018	
0.870967741935484	0.001496	0.001365	0.0009572		0.0005753	0.0004249	0.0001327	
0.903225806451613	0.001345	0.001224	0.0008475		0.0005384	0.0004125	0.0001284	
0.935483870967742	0.001216	0.001101	0.0007508		0.0005054	0.0003705	0.0001129	
0.967741935483871	0.000761	0.0006898		0.0005146		0.0003343	0.0002992	9.818e-005
0.1	0.020727	0.019013	0.014035	0.0075445		0.0055314	0.0017113	
					Average of yearly averages:		0.000730969333333333	

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

Data used for this run:
Output File: FLMOLEFIP
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronill

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	2	cm		
Application Rate:	TAPP	0.028	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Interval 1	interval	90	days	Set to 0 or delete line for single app.	
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

MOLECRICKET_MB136

stored as FLMOL136.out
Chemical: MB46136
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.003387	0.003168	0.002509	0.001897	0.001675	0.0007384
1962	0.003094	0.002949	0.002674	0.002543	0.002486	0.001724
1963	0.004703	0.004493	0.004085	0.00383	0.00356	0.002718
1964	0.007296	0.007015	0.00629	0.006034	0.005688	0.004335
1965	0.00694	0.006736	0.00616	0.005551	0.005319	0.004755
1966	0.008421	0.008182	0.007832	0.007208	0.006978	0.005634
1967	0.01089	0.01046	0.009401	0.008009	0.007694	0.006305
1968	0.01046	0.0101	0.009214	0.008265	0.007978	0.007123
1969	0.0103	0.01002	0.009378	0.00898	0.008666	0.007543
1970	0.007616	0.007607	0.007579	0.007524	0.007482	0.007008
1971	0.008248	0.008093	0.007615	0.007381	0.007213	0.006784
1972	0.01143	0.01103	0.009796	0.008503	0.008311	0.00715
1973	0.008506	0.00836	0.007948	0.007757	0.007575	0.007133
1974	0.00894	0.008742	0.008174	0.007897	0.007723	0.006949
1975	0.007369	0.007274	0.007045	0.00679	0.006751	0.006594
1976	0.00846	0.008265	0.007663	0.00703	0.006816	0.006463
1977	0.009808	0.009527	0.009017	0.008486	0.008089	0.006854
1978	0.009325	0.009103	0.008419	0.007897	0.00778	0.007285
1979	0.01022	0.009968	0.009503	0.008717	0.008477	0.007556
1980	0.007498	0.007451	0.007321	0.007277	0.00724	0.007012
1981	0.009271	0.009035	0.008656	0.007867	0.007516	0.006704
1982	0.009368	0.00914	0.008483	0.00789	0.007741	0.006932
1983	0.009137	0.008931	0.008465	0.008027	0.007835	0.007078
1984	0.0104	0.0101	0.009174	0.008232	0.008114	0.007412
1985	0.007493	0.007429	0.007264	0.007103	0.007093	0.006939
1986	0.01226	0.01178	0.01089	0.009163	0.008593	0.007058
1987	0.006978	0.006972	0.00695	0.006915	0.006881	0.006585
1988	0.006597	0.006509	0.006243	0.006099	0.006066	0.005923
1989	0.009248	0.008995	0.008114	0.007024	0.006616	0.005886
1990	0.006511	0.006411	0.006099	0.005842	0.005782	0.005606

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.01226	0.01178	0.01089	0.009163	0.008666	0.007556	
0.0645161290322581		0.01143	0.01103	0.009796	0.00898	0.008593	0.007543
0.0967741935483871		0.01089	0.01046	0.009503	0.008717	0.008477	0.007412
0.129032258064516	0.01046	0.0101	0.009401	0.008503	0.008311	0.007285	
0.161290322580645	0.0104	0.0101	0.009378	0.008486	0.008114	0.00715	
0.193548387096774	0.0103	0.01002	0.009214	0.008265	0.008089	0.007133	
0.225806451612903	0.01022	0.009968	0.009174	0.008232	0.007978	0.007123	
0.258064516129032	0.009808	0.009527	0.009017	0.008027	0.007835	0.007078	
0.290322580645161	0.009368	0.00914	0.008656	0.008009	0.00778	0.007058	
0.32258064516129	0.009325	0.009103	0.008483	0.007897	0.007741	0.007012	
0.354838709677419	0.009271	0.009035	0.008465	0.007897	0.007723	0.007008	
0.387096774193548	0.009248	0.008995	0.008419	0.00789	0.007694	0.006949	
0.419354838709677	0.009137	0.008931	0.008174	0.007867	0.007575	0.006939	
0.451612903225806	0.00894	0.008742	0.008114	0.007757	0.007516	0.006932	
0.483870967741936	0.008506	0.00836	0.007948	0.007524	0.007482	0.006854	
0.516129032258065	0.00846	0.008265	0.007832	0.007381	0.00724	0.006784	
0.548387096774194	0.008421	0.008182	0.007663	0.007277	0.007213	0.006704	
0.580645161290323	0.008248	0.008093	0.007615	0.007208	0.007093	0.006594	
0.612903225806452	0.007616	0.007607	0.007579	0.007103	0.006978	0.006585	
0.645161290322581	0.007498	0.007451	0.007321	0.00703	0.006881	0.006463	

0.67741935483871	0.007493	0.007429	0.007264	0.007024	0.006816	0.006305
0.709677419354839	0.007369	0.007274	0.007045	0.006915	0.006751	0.005923
0.741935483870968	0.007296	0.007015	0.00695	0.00679	0.006616	0.005886
0.774193548387097	0.006978	0.006972	0.00629	0.006099	0.006066	0.005634
0.806451612903226	0.00694	0.006736	0.006243	0.006034	0.005782	0.005606
0.838709677419355	0.006597	0.006509	0.00616	0.005842	0.005688	0.004755
0.870967741935484	0.006511	0.006411	0.006099	0.005551	0.005319	0.004335
0.903225806451613	0.004703	0.004493	0.004085	0.00383	0.00356	0.002718
0.935483870967742	0.003387	0.003168	0.002674	0.002543	0.002486	0.001724
0.967741935483871	0.003094	0.002949	0.002509	0.001897	0.001675	0.0007384

0.1	0.010847	0.010424	0.0094928	0.0086956	0.0084604	0.0073993

Average of yearly averages: 0.00612621333333333

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

Data used for this run:
Output File: FLMOL136
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	2	cm		
Application Rate:	TAPP	0.0067	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Interval 1	interval	90	days	Set to 0 or delete line for single app.	
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

MOLECRICKET_MB513

stored as FLMOL513.out
Chemical: MB46513
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.0001237		0.0001214		0.0001131	0.0001015
9.868e-005						
4.446e-005						
1962	0.0001693		0.0001682		0.0001622	0.0001542
0.0001513						
0.0001093						
1963	0.0002645		0.0002614		0.0002501	0.0002379
0.0002296						
0.0001751						
1964	0.0004431		0.0004364		0.0004189	0.0003801
0.0003658						
0.0003024						
1965	0.0004181		0.0004149		0.0004044	0.0003888
0.0003807						
0.0003407						
1966	0.0005594		0.000554	0.0005451		0.000517
0.0005002						
0.000413						
1967	0.0007252		0.0007168		0.0006955	0.0006483
0.000625						
0.0005043						
1968	0.0006349		0.000631	0.0006183		0.0005972
0.000588						
0.0005494						
1969	0.0005865		0.0005842		0.0005805	0.00057
0.000562						
0.0005429						
1970	0.0005244		0.0005241		0.0005229	0.0005201
0.0005178						
0.0004912						
1971	0.0005129		0.0005106		0.0005019	0.0004872
0.000486						
0.0004606						
1972	0.0005252		0.0005221		0.0005103	0.0004911
0.0004818						
0.0004511						
1973	0.0004802		0.000478	0.0004709		0.0004636
0.0004557						
0.0004361						
1974	0.0004858		0.0004834		0.0004796	0.0004666
0.0004587						
0.000425						
1975	0.0004753		0.0004731		0.0004661	0.000452
0.0004447						
0.000421						
1976	0.000459	0.0004567		0.0004513		0.00044
0.0004321						
0.0004117						
1977	0.0005763		0.0005715		0.0005565	0.0005437
0.0005293						
0.000446						
1978	0.0006835		0.000677	0.0006532		0.0006228
0.0006116						
0.0005369						
1979	0.0007102		0.0007044		0.0006898	0.0006584
0.0006399						
0.0005625						
1980	0.0005866		0.0005848		0.0005794	0.0005698
0.0005685						
0.000549						
1981	0.0005973		0.0005938		0.0005813	0.0005718
0.0005659						
0.0005272						
1982	0.0006661		0.0006612		0.0006434	0.0006183
0.000604						
0.0005457						
1983	0.0006289		0.0006255		0.0006168	0.0006004
0.0005893						
0.0005543						
1984	0.0006881		0.0006833		0.0006654	0.0006375
0.0006396						
0.0005811						
1985	0.000606	0.0006042		0.0005971		0.0005848
0.0005782						
0.0005514						
1986	0.0007695		0.0007615		0.0007427	0.0006948
0.0006696						
0.0005578						
1987	0.0005718		0.0005714		0.0005697	0.0005661
0.0005634						
0.0005398						
1988	0.0005023		0.000502	0.000501	0.0004987	0.0004967
0.0004795						
1989	0.000497	0.0004949		0.0004875		0.0004739
0.0004657						
0.000442						
1990	0.0004169		0.0004166		0.0004154	0.0004125
0.0004103						
0.000395						

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	0.0007695		0.0007615		0.0007427	0.0006948
0.0006696						
0.0005811						
0.0645161290322581		0.0007252		0.0007168		0.0006955
0.0006584						
0.0006399						
0.0005625						
0.0967741935483871		0.0007102		0.0007044		0.0006898
0.0006483						
0.0006396						
0.0005578						
0.129032258064516	0.0006881		0.0006833		0.0006654	0.0006375
0.000625	0.0005543					
0.161290322580645	0.0006835		0.000677	0.0006532		0.0006228
0.0006116	0.0005514					
0.193548387096774	0.0006661		0.0006612		0.0006434	0.0006183
0.000604	0.0005494					
0.225806451612903	0.0006349		0.000631	0.0006183		0.0006004
0.0005893	0.000549					
0.258064516129032	0.0006289		0.0006255		0.0006168	0.0005972
0.000588	0.0005457					
0.290322580645161	0.000606	0.0006042		0.0005971		0.0005848
0.0005782	0.0005429					
0.32258064516129	0.0005973		0.0005938		0.0005813	0.0005718
0.0005685	0.0005398					
0.354838709677419	0.0005866		0.0005848		0.0005805	0.00057
0.0005659	0.0005369					
0.387096774193548	0.0005865		0.0005842		0.0005794	0.0005698
0.0005634	0.0005272					
0.419354838709677	0.0005763		0.0005715		0.0005697	0.0005661
0.000562	0.0005043					
0.451612903225806	0.0005718		0.0005714		0.0005565	0.0005437
0.0005293	0.0004912					
0.483870967741936	0.0005594		0.000554	0.0005451		0.0005201
0.0005178	0.0004795					
0.516129032258065	0.0005252		0.0005241		0.0005229	0.000517
0.0005002	0.0004606					
0.548387096774194	0.0005244		0.0005221		0.0005103	0.0004987
0.0004967	0.0004511					

0.580645161290323	0.0005129	0.0005106	0.0005019	0.0004911	0.000486	0.000446	
0.612903225806452	0.0005023	0.000502	0.000501	0.0004872	0.0004818	0.000442	
0.645161290322581	0.000497	0.0004949	0.0004875	0.0004739	0.0004657	0.0004361	
0.67741935483871	0.0004858	0.0004834	0.0004796	0.0004666	0.0004587	0.000425	
0.709677419354839	0.0004802	0.000478	0.0004709	0.0004636	0.0004557	0.000421	
0.741935483870968	0.0004753	0.0004731	0.0004661	0.000452	0.0004447	0.000413	
0.774193548387097	0.000459	0.0004567	0.0004513	0.00044	0.0004321	0.0004117	
0.806451612903226	0.0004431	0.0004364	0.0004189	0.0004125	0.0004103	0.000395	
0.838709677419355	0.0004181	0.0004166	0.0004154	0.0003888	0.0003807	0.0003407	
0.870967741935484	0.0004169	0.0004149	0.0004044	0.0003801	0.0003658	0.0003024	
0.903225806451613	0.0002645	0.0002614	0.0002501	0.0002379	0.0002296	0.0001751	
0.935483870967742	0.0001693	0.0001682	0.0001622	0.0001542	0.0001513	0.0001093	
0.967741935483871	0.0001237	0.0001214	0.0001131	0.0001015	9.868e-005		
4.446e-005							
0.1	0.00070799	0.00070229	0.00068736	0.00064722	0.00063814		
0.00055745							

Average of yearly averages: 0.000444882

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

Data used for this run:
Output File: FLMOL513
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	2	cm		
Application Rate:	TAPP	0.0003	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Interval 1	interval	90	days	Set to 0 or delete line for single app.	
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

MOLECRICKET_MB950

stored as FLMOL950.out
Chemical: MB45950
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 14:48:06
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w12834.dvf modified Wedday, 3 July 2002 at 09:04:28
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly				
1961	0.0007004		0.0006719		0.0005783		0.0004727		0.0004311	0.0001921
1962	0.0007561		0.0007433		0.0006985		0.000663	0.0006394	0.0004546	
1963	0.001156	0.001128	0.001043	0.0009823		0.0009357		0.0007166		
1964	0.001763	0.001725	0.001615	0.00153	0.001465	0.001164				
1965	0.001779	0.001747	0.00165	0.001529	0.001477	0.001312				
1966	0.002238	0.002198	0.002131	0.001972	0.00189	0.001575				
1967	0.002864	0.002795	0.002623	0.002333	0.002239	0.001831				
1968	0.002691	0.002643	0.002509	0.00233	0.002268	0.002062				
1969	0.002579	0.002546	0.002438	0.002398	0.002345	0.002153				
1970	0.002148	0.002146	0.002141	0.002129	0.00212	0.00201				
1971	0.002231	0.002208	0.002131	0.002026	0.002026	0.001936				
1972	0.002757	0.002708	0.002541	0.002328	0.002269	0.00201				
1973	0.002299	0.002276	0.002207	0.002161	0.002118	0.00201				
1974	0.002357	0.00233	0.002245	0.002185	0.002142	0.001972				
1975	0.002096	0.002083	0.002043	0.00198	0.001962	0.001905				
1976	0.002247	0.00222	0.002131	0.002018	0.001972	0.001877				
1977	0.002672	0.002628	0.00253	0.002426	0.002341	0.002004				
1978	0.002728	0.002687	0.00255	0.002419	0.002386	0.0022				
1979	0.002927	0.002884	0.002793	0.002622	0.002546	0.002285				
1980	0.002306	0.002296	0.002268	0.002235	0.002231	0.002175				
1981	0.002508	0.002479	0.002439	0.002316	0.002258	0.002093				
1982	0.002737	0.002699	0.002571	0.002431	0.002369	0.002162				
1983	0.002662	0.00263	0.00255	0.002456	0.002399	0.002212				
1984	0.002967	0.00292	0.002763	0.002567	0.002546	0.00232				
1985	0.002363	0.002352	0.002317	0.002268	0.00226	0.002194				
1986	0.003378	0.003304	0.00315	0.002808	0.002668	0.00223				
1987	0.002233	0.002232	0.002227	0.002217	0.002208	0.002128				
1988	0.002028	0.002016	0.001993	0.001986	0.001978	0.00193				
1989	0.002133	0.002115	0.002046	0.001936	0.001886	0.001832				
1990	0.001862	0.001849	0.001803	0.001771	0.001762	0.001713				

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.003378	0.003304	0.00315	0.002808	0.002668	0.00232	
0.0645161290322581		0.002967	0.00292	0.002793	0.002622	0.002546	0.002285
0.0967741935483871		0.002927	0.002884	0.002763	0.002567	0.002546	0.00223
0.129032258064516	0.002864	0.002795	0.002623	0.002456	0.002399	0.002212	
0.161290322580645	0.002757	0.002708	0.002571	0.002431	0.002386	0.0022	
0.193548387096774	0.002737	0.002699	0.00255	0.002426	0.002369	0.002194	
0.225806451612903	0.002728	0.002687	0.00255	0.002419	0.002345	0.002175	
0.258064516129032	0.002691	0.002643	0.002541	0.002398	0.002341	0.002162	
0.290322580645161	0.002672	0.00263	0.00253	0.002333	0.002269	0.002153	
0.32258064516129	0.002662	0.002628	0.002509	0.00233	0.002268	0.002128	
0.354838709677419	0.002579	0.002546	0.002439	0.002328	0.00226	0.002093	
0.387096774193548	0.002508	0.002479	0.002438	0.002316	0.002258	0.002062	
0.419354838709677	0.002363	0.002352	0.002317	0.002268	0.002239	0.00201	
0.451612903225806	0.002357	0.00233	0.002268	0.002235	0.002231	0.00201	
0.483870967741936	0.002306	0.002296	0.002245	0.002217	0.002208	0.00201	
0.516129032258065	0.002299	0.002276	0.002227	0.002185	0.002142	0.002004	
0.548387096774194	0.002247	0.002232	0.002207	0.002161	0.00212	0.001972	
0.580645161290323	0.002238	0.00222	0.002141	0.002129	0.002118	0.001936	
0.612903225806452	0.002233	0.002208	0.002131	0.002026	0.002026	0.00193	
0.645161290322581	0.002231	0.002198	0.002131	0.002018	0.001978	0.001905	
0.67741935483871	0.002148	0.002146	0.002131	0.001986	0.001972	0.001877	

0.709677419354839	0.002133	0.002115	0.002046	0.00198	0.001962	0.001832					
0.741935483870968	0.002096	0.002083	0.002043	0.001972	0.00189	0.001831					
0.774193548387097	0.002028	0.002016	0.001993	0.001936	0.001886	0.001713					
0.806451612903226	0.001862	0.001849	0.001803	0.001771	0.001762	0.001575					
0.838709677419355	0.001779	0.001747	0.00165	0.00153	0.001477	0.001312					
0.870967741935484	0.001763	0.001725	0.001615	0.001529	0.001465	0.001164					
0.903225806451613	0.001156	0.001128	0.001043	0.0009823		0.0009357		0.0007166			
0.935483870967742	0.0007561		0.0007433		0.0006985		0.000663	0.0006394		0.0004546	
0.967741935483871	0.0007004		0.0006719		0.0005783		0.0004727		0.0004311		0.0001921
0.1	0.0029207		0.0028751		0.002749	0.0025559		0.0025313		0.0022282	
					Average of yearly averages:			0.00182194333333333			

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

Data used for this run:
Output File: FLMOL950
Metfile: w12834.dvf
PRZM scenario: FLturfC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	2	cm		
Application Rate:	TAPP	0.0014	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	11-4	dd/mm or dd/mmm or dd-mm or dd-mmm		
Interval 1	interval	90	days	Set to 0 or delete line for single app.	
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

ONION SEED_FIPRONIL

stored as GAONIONFIP.out
Chemical: Fiproniil
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 13:18:36
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w03822.dvf modified Wedday, 3 July 2002 at 10:04:32
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.506	5.1	3.86	3.05	2.51	0.639
1962	5.638	5.189	3.804	3.27	2.563	1.193
1963	10.32	9.485	8	5.739	4.427	1.417
1964	17.14	15.89	13.38	9.658	8.872	2.818
1965	5.455	5.03	3.754	3.142	2.845	1.397
1966	4.285	3.969	2.923	2.201	1.825	0.8417
1967	6.568	6.301	5.424	3.562	2.737	1.421
1968	5.844	5.402	4.383	3.412	3.047	1.006
1969	17.12	15.98	12.18	8.052	6.423	1.919
1970	8.451	7.709	5.626	3.773	3.086	1.492
1971	10.91	10.07	8.54	5.806	4.926	1.58
1972	6.663	6.254	5.226	3.362	3.05	1.132
1973	3.265	3.027	2.346	1.846	1.535	0.8389
1974	5.415	4.995	3.738	3.299	2.679	0.9711
1975	9.294	8.531	6.808	4.665	3.56	1.213
1976	8.848	8.198	6.099	5.267	4.195	1.288
1977	4.719	4.373	3.535	3.053	2.45	0.9952
1978	4.631	4.33	3.602	2.966	2.531	1.084
1979	11.97	11.05	8.601	5.639	4.55	1.535
1980	5.6	5.188	4.106	2.98	2.44	0.9194
1981	6.914	6.327	4.762	3.303	2.509	0.9099
1982	3.424	3.215	2.617	1.973	1.608	0.824
1983	5.943	5.503	4.074	2.883	2.503	1.305
1984	12.95	11.87	9.334	6.128	4.685	1.672
1985	5.758	5.249	3.774	2.477	2.479	0.95
1986	7.698	7.11	5.353	4.035	3.912	1.452
1987	4.489	4.145	3.434	2.382	1.958	1.005
1988	4.778	4.46	3.571	2.415	1.866	0.8097
1989	33.62	31.08	25.58	16.86	13.05	3.544
1990	58.34	55.28	40.79	24.41	18.34	5.035

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	58.34	55.28	40.79	24.41	18.34	5.035	
0.0645161290322581		33.62	31.08	25.58	16.86	13.05	3.544
0.0967741935483871		17.14	15.98	13.38	9.658	8.872	2.818
0.129032258064516	17.12	15.89	12.18	8.052	6.423	1.919	
0.161290322580645	12.95	11.87	9.334	6.128	4.926	1.672	
0.193548387096774	11.97	11.05	8.601	5.806	4.685	1.58	
0.225806451612903	10.91	10.07	8.54	5.739	4.55	1.535	
0.258064516129032	10.32	9.485	8	5.639	4.427	1.492	
0.290322580645161	9.294	8.531	6.808	5.267	4.195	1.452	
0.32258064516129	8.848	8.198	6.099	4.665	3.912	1.421	
0.354838709677419	8.451	7.709	5.626	4.035	3.56	1.417	
0.387096774193548	7.698	7.11	5.424	3.773	3.086	1.397	
0.419354838709677	6.914	6.327	5.353	3.562	3.05	1.305	
0.451612903225806	6.663	6.301	5.226	3.412	3.047	1.288	
0.483870967741936	6.568	6.254	4.762	3.362	2.845	1.213	
0.516129032258065	5.943	5.503	4.383	3.303	2.737	1.193	
0.548387096774194	5.844	5.402	4.106	3.299	2.679	1.132	
0.580645161290323	5.758	5.249	4.074	3.27	2.563	1.084	
0.612903225806452	5.638	5.189	3.86	3.142	2.531	1.006	
0.645161290322581	5.6	5.188	3.804	3.053	2.51	1.005	
0.67741935483871	5.506	5.1	3.774	3.05	2.509	0.9952	

0.709677419354839	5.455	5.03	3.754	2.98	2.503	0.9711
0.741935483870968	5.415	4.995	3.738	2.966	2.479	0.95
0.774193548387097	4.778	4.46	3.602	2.883	2.45	0.9194
0.806451612903226	4.719	4.373	3.571	2.477	2.44	0.9099
0.838709677419355	4.631	4.33	3.535	2.415	1.958	0.8417
0.870967741935484	4.489	4.145	3.434	2.382	1.866	0.8389
0.903225806451613	4.285	3.969	2.923	2.201	1.825	0.824
0.935483870967742	3.424	3.215	2.617	1.973	1.608	0.8097
0.967741935483871	3.265	3.027	2.346	1.846	1.535	0.639
0.1	17.138	15.971	13.26	9.4974	8.6271	2.7281
					Average of yearly averages:	1.44023

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

Data used for this run:
Output File: GAONIONFIP
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronill

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.5	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-9	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

ONIONSEED_MB136

stored as GAONION136.out
Chemical: MB46136
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 13:18:36
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w03822.dvf modified Wedday, 3 July 2002 at 10:04:32
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.5117	0.4769	0.3711	0.2955	0.2636	0.06621
1962	1.6	1.553	1.412	1.349	1.296	0.9551
1963	3.309	3.193	2.838	2.501	2.411	1.965
1964	5.601	5.465	5.05	4.643	4.675	3.591
1965	4.918	4.864	4.708	4.581	4.552	4.456
1966	5.697	5.61	5.472	5.286	5.188	4.94
1967	6.124	6.055	5.881	5.521	5.406	5.36
1968	6.098	6.018	5.776	5.525	5.475	5.304
1969	7.908	7.732	7.192	6.738	6.478	5.932
1970	7.274	7.212	6.979	6.875	6.809	6.539
1971	8.137	7.99	7.638	7.37	7.32	6.851
1972	7.929	7.84	7.616	7.254	7.196	7.135
1973	8.094	8.002	7.769	7.51	7.473	7.206
1974	7.631	7.55	7.334	7.177	7.112	6.963
1975	7.839	7.748	7.538	7.329	7.301	7.05
1976	8.508	8.384	8.101	7.972	7.879	7.491
1977	8	7.958	7.839	7.688	7.626	7.441
1978	7.628	7.585	7.484	7.43	7.373	7.175
1979	8.64	8.526	8.236	8.04	7.892	7.501
1980	8.169	8.099	7.938	7.75	7.685	7.405
1981	8.326	8.261	7.904	7.594	7.518	7.177
1982	8.259	8.152	7.916	7.806	7.73	7.367
1983	8.47	8.37	8.069	7.891	7.827	7.604
1984	9.081	8.936	8.496	8.262	8.126	7.838
1985	8.133	8.057	7.863	7.646	7.607	7.511
1986	8.127	8.054	7.833	7.724	7.682	7.546
1987	8.525	8.43	8.196	7.993	7.882	7.756
1988	8.288	8.193	7.994	7.814	7.727	7.561
1989	10.18	9.952	9.556	8.942	8.707	7.698
1990	13.59	13.27	11.87	10.48	9.913	8.451

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	13.59	13.27	11.87	10.48	9.913	8.451	
0.0645161290322581		10.18	9.952	9.556	8.942	8.707	7.838
0.0967741935483871		9.081	8.936	8.496	8.262	8.126	7.756
0.129032258064516	8.64	8.526	8.236	8.04	7.892	7.698	
0.161290322580645	8.525	8.43	8.196	7.993	7.882	7.604	
0.193548387096774	8.508	8.384	8.101	7.972	7.879	7.561	
0.225806451612903	8.47	8.37	8.069	7.891	7.827	7.546	
0.258064516129032	8.326	8.261	7.994	7.814	7.73	7.511	
0.290322580645161	8.288	8.193	7.938	7.806	7.727	7.501	
0.32258064516129	8.259	8.152	7.916	7.75	7.685	7.491	
0.354838709677419	8.169	8.099	7.904	7.724	7.682	7.441	
0.387096774193548	8.137	8.057	7.863	7.688	7.626	7.405	
0.419354838709677	8.133	8.054	7.839	7.646	7.607	7.367	
0.451612903225806	8.127	8.002	7.833	7.594	7.518	7.206	
0.483870967741936	8.094	7.99	7.769	7.51	7.473	7.177	
0.516129032258065	8	7.958	7.638	7.43	7.373	7.175	
0.548387096774194	7.929	7.84	7.616	7.37	7.32	7.135	
0.580645161290323	7.908	7.748	7.538	7.329	7.301	7.05	
0.612903225806452	7.839	7.732	7.484	7.254	7.196	6.963	
0.645161290322581	7.631	7.585	7.334	7.177	7.112	6.851	
0.67741935483871	7.628	7.55	7.192	6.875	6.809	6.539	

0.709677419354839	7.274	7.212	6.979	6.738	6.478	5.932
0.741935483870968	6.124	6.055	5.881	5.525	5.475	5.36
0.774193548387097	6.098	6.018	5.776	5.521	5.406	5.304
0.806451612903226	5.697	5.61	5.472	5.286	5.188	4.94
0.838709677419355	5.601	5.465	5.05	4.643	4.675	4.456
0.870967741935484	4.918	4.864	4.708	4.581	4.552	3.591
0.903225806451613	3.309	3.193	2.838	2.501	2.411	1.965
0.935483870967742	1.6	1.553	1.412	1.349	1.296	0.9551
0.967741935483871	0.5117	0.4769	0.3711	0.2955	0.2636	0.06621
0.1	9.0369	8.895	8.47	8.2398	8.1026	7.7502
					Average of yearly averages:	6.261177

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

Data used for this run:
Output File: GAONION136
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.1338	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-9	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

ONIONSEED_MB513

stored as GAONION513.out
Chemical: MB46513
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 13:18:36
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w03822.dvf modified Wedday, 3 July 2002 at 10:04:32
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.06453	0.06306	0.05776	0.05322	0.0451	0.01127
1962	0.1581	0.1565	0.1508	0.1441	0.1405	0.1095
1963	0.2568	0.2544	0.2482	0.2419	0.2373	0.1829
1964	0.4883	0.4841	0.4684	0.4317	0.4226	0.3133
1965	0.4519	0.4502	0.4438	0.4369	0.4309	0.4162
1966	0.4819	0.4803	0.4743	0.4698	0.4659	0.4513
1967	0.5427	0.54	0.5366	0.5238	0.517	0.5017
1968	0.5359	0.5345	0.5292	0.5232	0.5201	0.5004
1969	0.68	0.6752	0.6579	0.641	0.6063	0.5448
1970	0.6441	0.6416	0.633	0.623	0.6216	0.6136
1971	0.6924	0.6894	0.6824	0.676	0.6666	0.6271
1972	0.7011	0.6985	0.6888	0.6651	0.6642	0.6453
1973	0.686	0.6845	0.6787	0.6754	0.6747	0.6514
1974	0.6684	0.6665	0.6608	0.6536	0.6494	0.6386
1975	0.6954	0.6929	0.6849	0.6761	0.6696	0.6511
1976	0.7365	0.7338	0.7271	0.7097	0.6954	0.6671
1977	0.7225	0.7208	0.7154	0.7059	0.7005	0.6711
1978	0.6929	0.6916	0.6884	0.6827	0.6809	0.6611
1979	0.7303	0.7274	0.7169	0.7082	0.7052	0.6755
1980	0.7182	0.7166	0.7128	0.7066	0.7014	0.6782
1981	0.6914	0.6892	0.6824	0.6757	0.6755	0.6626
1982	0.6998	0.6982	0.6924	0.6873	0.6843	0.6716
1983	0.7417	0.7395	0.7313	0.7228	0.7177	0.692
1984	0.7788	0.7756	0.765	0.7564	0.7497	0.7254
1985	0.7411	0.7399	0.7356	0.7303	0.7283	0.7102
1986	0.7514	0.7495	0.7436	0.7383	0.7366	0.716
1987	0.7897	0.7872	0.7807	0.7726	0.766	0.7228
1988	0.7295	0.7281	0.7245	0.7194	0.719	0.6976
1989	0.9169	0.9097	0.8909	0.8738	0.8628	0.7235
1990	1.24	1.228	1.184	1.127	1.077	0.8624

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	1.24	1.228	1.184	1.127	1.077	0.8624	
0.0645161290322581		0.9169	0.9097	0.8909	0.8738	0.8628	0.7254
0.0967741935483871		0.7897	0.7872	0.7807	0.7726	0.766	0.7235
0.129032258064516	0.7788	0.7756	0.765	0.7564	0.7497	0.7228	
0.161290322580645	0.7514	0.7495	0.7436	0.7383	0.7366	0.716	
0.193548387096774	0.7417	0.7399	0.7356	0.7303	0.7283	0.7102	
0.225806451612903	0.7411	0.7395	0.7313	0.7228	0.719	0.6976	
0.258064516129032	0.7365	0.7338	0.7271	0.7194	0.7177	0.692	
0.290322580645161	0.7303	0.7281	0.7245	0.7097	0.7052	0.6782	
0.32258064516129	0.7295	0.7274	0.7169	0.7082	0.7014	0.6755	
0.354838709677419	0.7225	0.7208	0.7154	0.7066	0.7005	0.6716	
0.387096774193548	0.7182	0.7166	0.7128	0.7059	0.6954	0.6711	
0.419354838709677	0.7011	0.6985	0.6924	0.6873	0.6843	0.6671	
0.451612903225806	0.6998	0.6982	0.6888	0.6827	0.6809	0.6626	
0.483870967741936	0.6954	0.6929	0.6884	0.6761	0.6755	0.6611	
0.516129032258065	0.6929	0.6916	0.6849	0.676	0.6747	0.6514	
0.548387096774194	0.6924	0.6894	0.6824	0.6757	0.6696	0.6511	
0.580645161290323	0.6914	0.6892	0.6824	0.6754	0.6666	0.6453	
0.612903225806452	0.686	0.6845	0.6787	0.6651	0.6642	0.6386	
0.645161290322581	0.68	0.6752	0.6608	0.6536	0.6494	0.6271	
0.67741935483871	0.6684	0.6665	0.6579	0.641	0.6216	0.6136	

0.709677419354839	0.6441	0.6416	0.633	0.623	0.6063	0.5448
0.741935483870968	0.5427	0.54	0.5366	0.5238	0.5201	0.5017
0.774193548387097	0.5359	0.5345	0.5292	0.5232	0.517	0.5004
0.806451612903226	0.4883	0.4841	0.4743	0.4698	0.4659	0.4513
0.838709677419355	0.4819	0.4803	0.4684	0.4369	0.4309	0.4162
0.870967741935484	0.4519	0.4502	0.4438	0.4317	0.4226	0.3133
0.903225806451613	0.2568	0.2544	0.2482	0.2419	0.2373	0.1829
0.935483870967742	0.1581	0.1565	0.1508	0.1441	0.1405	0.1095
0.967741935483871	0.06453	0.06306	0.05776	0.05322	0.0451	0.01127
0.1	0.78861	0.78604	0.77913	0.77098	0.76437	0.72343

Average of yearly averages: 0.579852333333333

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

Data used for this run:
Output File: GAONION513
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism	kbacw		1320	days	Halfife
Anaerobic Aquatic Metabolism	kbacs		1320	days	Halfife
Aerobic Soil Metabolism	asm		660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.0054	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-9	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

ONIONSEED_MB950

stored as GAONION950.out
Chemical: MB45950
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 13:18:36
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w03822.dvf modified Wedday, 3 July 2002 at 10:04:32
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.1471	0.1404	0.1183	0.1001	0.08692	0.02177
1962	0.4642	0.4557	0.4274	0.4089	0.3948	0.2932
1963	0.785	0.7731	0.7407	0.7201	0.7	0.5639
1964	1.489	1.467	1.392	1.29	1.291	0.9899
1965	1.369	1.36	1.331	1.305	1.294	1.256
1966	1.526	1.515	1.495	1.466	1.447	1.401
1967	1.683	1.673	1.651	1.584	1.557	1.545
1968	1.693	1.681	1.645	1.601	1.599	1.556
1969	2.17	2.143	2.052	1.966	1.891	1.732
1970	2.075	2.061	2.016	1.976	1.973	1.921
1971	2.249	2.231	2.212	2.163	2.138	2.014
1972	2.287	2.272	2.226	2.143	2.125	2.102
1973	2.297	2.284	2.25	2.207	2.2	2.141
1974	2.227	2.215	2.181	2.15	2.135	2.101
1975	2.309	2.294	2.261	2.216	2.189	2.143
1976	2.465	2.451	2.417	2.376	2.35	2.252
1977	2.393	2.385	2.362	2.329	2.313	2.258
1978	2.309	2.302	2.286	2.272	2.261	2.212
1979	2.52	2.502	2.458	2.4	2.379	2.292
1980	2.436	2.426	2.402	2.369	2.354	2.285
1981	2.406	2.399	2.351	2.312	2.303	2.24
1982	2.455	2.439	2.401	2.38	2.364	2.293
1983	2.54	2.525	2.476	2.44	2.426	2.363
1984	2.665	2.644	2.574	2.538	2.512	2.441
1985	2.478	2.468	2.438	2.399	2.396	2.37
1986	2.496	2.485	2.446	2.433	2.427	2.384
1987	2.603	2.589	2.551	2.513	2.488	2.424
1988	2.464	2.451	2.429	2.407	2.404	2.371
1989	2.995	2.957	2.889	2.783	2.73	2.427
1990	3.836	3.781	3.54	3.271	3.125	2.681

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	3.836	3.781	3.54	3.271	3.125	2.681	
0.0645161290322581		2.995	2.957	2.889	2.783	2.73	2.441
0.0967741935483871		2.665	2.644	2.574	2.538	2.512	2.427
0.129032258064516	2.603	2.589	2.551	2.513	2.488	2.424	
0.161290322580645	2.54	2.525	2.476	2.44	2.427	2.384	
0.193548387096774	2.52	2.502	2.458	2.433	2.426	2.371	
0.225806451612903	2.496	2.485	2.446	2.407	2.404	2.37	
0.258064516129032	2.478	2.468	2.438	2.4	2.396	2.363	
0.290322580645161	2.465	2.451	2.429	2.399	2.379	2.293	
0.32258064516129	2.464	2.451	2.417	2.38	2.364	2.292	
0.354838709677419	2.455	2.439	2.402	2.376	2.354	2.285	
0.387096774193548	2.436	2.426	2.401	2.369	2.35	2.258	
0.419354838709677	2.406	2.399	2.362	2.329	2.313	2.252	
0.451612903225806	2.393	2.385	2.351	2.312	2.303	2.24	
0.483870967741936	2.309	2.302	2.286	2.272	2.261	2.212	
0.516129032258065	2.309	2.294	2.261	2.216	2.2	2.143	
0.548387096774194	2.297	2.284	2.25	2.207	2.189	2.141	
0.580645161290323	2.287	2.272	2.226	2.163	2.138	2.102	
0.612903225806452	2.249	2.231	2.212	2.15	2.135	2.101	
0.645161290322581	2.227	2.215	2.181	2.143	2.125	2.014	
0.67741935483871	2.17	2.143	2.052	1.976	1.973	1.921	

0.709677419354839	2.075	2.061	2.016	1.966	1.891	1.732
0.741935483870968	1.693	1.681	1.651	1.601	1.599	1.556
0.774193548387097	1.683	1.673	1.645	1.584	1.557	1.545
0.806451612903226	1.526	1.515	1.495	1.466	1.447	1.401
0.838709677419355	1.489	1.467	1.392	1.305	1.294	1.256
0.870967741935484	1.369	1.36	1.331	1.29	1.291	0.9899
0.903225806451613	0.785	0.7731	0.7407	0.7201	0.7	0.5639
0.935483870967742	0.4642	0.4557	0.4274	0.4089	0.3948	0.2932
0.967741935483871	0.1471	0.1404	0.1183	0.1001	0.08692	0.02177
0.1	2.6588	2.6385	2.5717	2.5355	2.5096	2.4267
					Average of yearly averages:	1.902459

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

Data used for this run:
Output File: GAONION950
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.0245	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-9	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

SWEETPOTATO/POTATO_FIPRONIL

stored as NCSWPOTFIP.out
Chemical: Fipronill
PRZM environment: NCSweetPotatoC.txt modified Friday, 8 August 2003 at 09:25:48
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13722.dvf modified Wedday, 3 July 2002 at 09:05:50
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0	0	0	0	0	0
1962	0	0	0	0	0	0
1963	0	0	0	0	0	0
1964	0	0	0	0	0	0
1965	0	0	0	0	0	0
1966	0	0	0	0	0	0
1967	0	0	0	0	0	0
1968	0	0	0	0	0	0
1969	0	0	0	0	0	0
1970	0	0	0	0	0	0
1971	0	0	0	0	0	0
1972	0	0	0	0	0	0
1973	0	0	0	0	0	0
1974	0	0	0	0	0	0
1975	0	0	0	0	0	0
1976	0	0	0	0	0	0
1977	0	0	0	0	0	0
1978	0	0	0	0	0	0
1979	0	0	0	0	0	0
1980	0	0	0	0	0	0
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985	0	0	0	0	0	0
1986	0	0	0	0	0	0
1987	0	0	0	0	0	0
1988	0	0	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	0	0	0

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0	0	0	0	0	0	
0.0645161290322581		0	0	0	0	0	0
0.0967741935483871		0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	
0.161290322580645	0	0	0	0	0	0	
0.193548387096774	0	0	0	0	0	0	
0.225806451612903	0	0	0	0	0	0	
0.258064516129032	0	0	0	0	0	0	
0.290322580645161	0	0	0	0	0	0	
0.32258064516129	0	0	0	0	0	0	
0.354838709677419	0	0	0	0	0	0	
0.387096774193548	0	0	0	0	0	0	
0.419354838709677	0	0	0	0	0	0	
0.451612903225806	0	0	0	0	0	0	
0.483870967741936	0	0	0	0	0	0	
0.516129032258065	0	0	0	0	0	0	
0.548387096774194	0	0	0	0	0	0	
0.580645161290323	0	0	0	0	0	0	
0.612903225806452	0	0	0	0	0	0	
0.645161290322581	0	0	0	0	0	0	
0.67741935483871	0	0	0	0	0	0	

0.709677419354839	0	0	0	0	0	0
0.741935483870968	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0
0.967741935483871	0	0	0	0	0	0
0.1	0	0	0	0	0	0

Average of yearly averages: 0

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

Data used for this run:
Output File: NCSWPOTFIP

Metfile:	w13722.dvf				
PRZM scenario:	NCSweetPotatoC.txt				
EXAMS environment file:		ir298.exv			
Chemical Name:	Fipronill				
Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	7	integer	See PRZM manual	
Incorporation Depth:	DEPI	10.16	cm		
Application Rate:	TAPP	0.112	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

SWEETPOTATO/POTATO_MB136

stored as NCSWPOT136.out
Chemical: MB46136
PRZM environment: NCSweetPotatoC.txt modified Friday, 8 August 2003 at 09:25:48
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13722.dvf modified Wedday, 3 July 2002 at 09:05:50
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0	0	0	0	0	0
1962	0	0	0	0	0	0
1963	0	0	0	0	0	0
1964	0	0	0	0	0	0
1965	0	0	0	0	0	0
1966	0	0	0	0	0	0
1967	0	0	0	0	0	0
1968	0	0	0	0	0	0
1969	0	0	0	0	0	0
1970	0	0	0	0	0	0
1971	0	0	0	0	0	0
1972	0	0	0	0	0	0
1973	0	0	0	0	0	0
1974	0	0	0	0	0	0
1975	0	0	0	0	0	0
1976	0	0	0	0	0	0
1977	0	0	0	0	0	0
1978	0	0	0	0	0	0
1979	0	0	0	0	0	0
1980	0	0	0	0	0	0
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985	0	0	0	0	0	0
1986	0	0	0	0	0	0
1987	0	0	0	0	0	0
1988	0	0	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	0	0	0

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0	0	0	0	0	0	
0.0645161290322581		0	0	0	0	0	0
0.0967741935483871		0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	
0.161290322580645	0	0	0	0	0	0	
0.193548387096774	0	0	0	0	0	0	
0.225806451612903	0	0	0	0	0	0	
0.258064516129032	0	0	0	0	0	0	
0.290322580645161	0	0	0	0	0	0	
0.32258064516129	0	0	0	0	0	0	
0.354838709677419	0	0	0	0	0	0	
0.387096774193548	0	0	0	0	0	0	
0.419354838709677	0	0	0	0	0	0	
0.451612903225806	0	0	0	0	0	0	
0.483870967741936	0	0	0	0	0	0	
0.516129032258065	0	0	0	0	0	0	
0.548387096774194	0	0	0	0	0	0	
0.580645161290323	0	0	0	0	0	0	
0.612903225806452	0	0	0	0	0	0	
0.645161290322581	0	0	0	0	0	0	
0.67741935483871	0	0	0	0	0	0	
0.709677419354839	0	0	0	0	0	0	

0.741935483870968	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0
0.967741935483871	0	0	0	0	0	0
0.1	0	0	0	0	0	0
					Average of yearly averages:	0

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

Data used for this run:
Output File: NCSWPOT136
Metfile: w13722.dvf
PRZM scenario: NCSweetPotatoC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	7	integer	See PRZM manual	
Incorporation Depth:	DEPI	10.16	cm		
Application Rate:	TAPP	0.0268	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

SWEETPOTATO/POTATO_MB513

stored as NCSWPOT513.out
Chemical: MB46513
PRZM environment: NCSweetPotatoC.txt modified Friday, 8 August 2003 at 09:25:48
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13722.dvf modified Wedday, 3 July 2002 at 09:05:50
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0	0	0	0	0	0
1962	0	0	0	0	0	0
1963	0	0	0	0	0	0
1964	0	0	0	0	0	0
1965	0	0	0	0	0	0
1966	0	0	0	0	0	0
1967	0	0	0	0	0	0
1968	0	0	0	0	0	0
1969	0	0	0	0	0	0
1970	0	0	0	0	0	0
1971	0	0	0	0	0	0
1972	0	0	0	0	0	0
1973	0	0	0	0	0	0
1974	0	0	0	0	0	0
1975	0	0	0	0	0	0
1976	0	0	0	0	0	0
1977	0	0	0	0	0	0
1978	0	0	0	0	0	0
1979	0	0	0	0	0	0
1980	0	0	0	0	0	0
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985	0	0	0	0	0	0
1986	0	0	0	0	0	0
1987	0	0	0	0	0	0
1988	0	0	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	0	0	0

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0	0	0	0	0	0	
0.0645161290322581		0	0	0	0	0	0
0.0967741935483871		0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	
0.161290322580645	0	0	0	0	0	0	
0.193548387096774	0	0	0	0	0	0	
0.225806451612903	0	0	0	0	0	0	
0.258064516129032	0	0	0	0	0	0	
0.290322580645161	0	0	0	0	0	0	
0.32258064516129	0	0	0	0	0	0	
0.354838709677419	0	0	0	0	0	0	
0.387096774193548	0	0	0	0	0	0	
0.419354838709677	0	0	0	0	0	0	
0.451612903225806	0	0	0	0	0	0	
0.483870967741936	0	0	0	0	0	0	
0.516129032258065	0	0	0	0	0	0	
0.548387096774194	0	0	0	0	0	0	
0.580645161290323	0	0	0	0	0	0	
0.612903225806452	0	0	0	0	0	0	
0.645161290322581	0	0	0	0	0	0	
0.67741935483871	0	0	0	0	0	0	
0.709677419354839	0	0	0	0	0	0	

0.741935483870968	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0
0.967741935483871	0	0	0	0	0	0
0.1	0	0	0	0	0	0

Average of yearly averages: 0

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

Data used for this run:
Output File: NCSWPOT513
Metfile: w13722.dvf
PRZM scenario: NCSweetPotatoC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	7	integer	See PRZM manual	
Incorporation Depth:	DEPI	10.16	cm		
Application Rate:	TAPP	0.0018	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

SWEETPOTATO/POTATO_MB950

stored as NCSWPOT950.out
Chemical: MB45950
PRZM environment: NCSweetPotatoC.txt modified Friday, 8 August 2003 at 09:25:48
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w13722.dvf modified Wedday, 3 July 2002 at 09:05:50
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0	0	0	0	0	0
1962	0	0	0	0	0	0
1963	0	0	0	0	0	0
1964	0	0	0	0	0	0
1965	0	0	0	0	0	0
1966	0	0	0	0	0	0
1967	0	0	0	0	0	0
1968	0	0	0	0	0	0
1969	0	0	0	0	0	0
1970	0	0	0	0	0	0
1971	0	0	0	0	0	0
1972	0	0	0	0	0	0
1973	0	0	0	0	0	0
1974	0	0	0	0	0	0
1975	0	0	0	0	0	0
1976	0	0	0	0	0	0
1977	0	0	0	0	0	0
1978	0	0	0	0	0	0
1979	0	0	0	0	0	0
1980	0	0	0	0	0	0
1981	0	0	0	0	0	0
1982	0	0	0	0	0	0
1983	0	0	0	0	0	0
1984	0	0	0	0	0	0
1985	0	0	0	0	0	0
1986	0	0	0	0	0	0
1987	0	0	0	0	0	0
1988	0	0	0	0	0	0
1989	0	0	0	0	0	0
1990	0	0	0	0	0	0

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0	0	0	0	0	0	
0.0645161290322581		0	0	0	0	0	0
0.0967741935483871		0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	
0.161290322580645	0	0	0	0	0	0	
0.193548387096774	0	0	0	0	0	0	
0.225806451612903	0	0	0	0	0	0	
0.258064516129032	0	0	0	0	0	0	
0.290322580645161	0	0	0	0	0	0	
0.32258064516129	0	0	0	0	0	0	
0.354838709677419	0	0	0	0	0	0	
0.387096774193548	0	0	0	0	0	0	
0.419354838709677	0	0	0	0	0	0	
0.451612903225806	0	0	0	0	0	0	
0.483870967741936	0	0	0	0	0	0	
0.516129032258065	0	0	0	0	0	0	
0.548387096774194	0	0	0	0	0	0	
0.580645161290323	0	0	0	0	0	0	
0.612903225806452	0	0	0	0	0	0	
0.645161290322581	0	0	0	0	0	0	
0.67741935483871	0	0	0	0	0	0	
0.709677419354839	0	0	0	0	0	0	

0.741935483870968	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0
0.967741935483871	0	0	0	0	0	0
0.1	0	0	0	0	0	0

Average of yearly averages: 0

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

Data used for this run:
Output File: NCSWPOT950
Metfile: w13722.dvf
PRZM scenario: NCSweetPotatoC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	421	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.1	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2719	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	7	integer	See PRZM manual	
Incorporation Depth:	DEPI	10.16	cm		
Application Rate:	TAPP	0.0055	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	15-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TURNIP_FIPRONIL

stored as TURNFIP.out
Chemical: Fiproniil
PRZM environment: ORswcornC.txt modified Satday, 12 October 2002 at 17:21:42
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.4757	0.4492	0.3616	0.2952	0.2392	0.06388
1962	0.9972	0.9329	0.7459	0.624	0.5478	0.1781
1963	0.8054	0.7601	0.6697	0.5363	0.4049	0.1505
1964	0.6455	0.6204	0.5307	0.4278	0.2889	0.1111
1965	0.8889	0.8486	0.6873	0.4988	0.3662	0.152
1966	0.7741	0.7497	0.6429	0.5223	0.369	0.1587
1967	0.6768	0.6539	0.5386	0.4612	0.386	0.1474
1968	0.7381	0.7079	0.6031	0.4592	0.4231	0.1909
1969	0.9768	0.903	0.724	0.6231	0.5495	0.2106
1970	0.7106	0.6787	0.624	0.4851	0.4021	0.1488
1971	0.5747	0.5409	0.3947	0.3575	0.3337	0.1669
1972	0.7932	0.7512	0.5297	0.3586	0.2823	0.1018
1973	1.012	0.965	0.8322	0.5889	0.456	0.1985
1974	1.091	1.052	0.8701	0.6716	0.4598	0.1532
1975	0.649	0.6144	0.5457	0.468	0.3504	0.1463
1976	0.2554	0.2436	0.2083	0.1422	0.1123	0.04542
1977	0.481	0.4544	0.4148	0.3227	0.2499	0.08587
1978	0.4141	0.3875	0.3571	0.2516	0.178	0.08856
1979	0.9954	0.9585	0.8309	0.6429	0.5089	0.1933
1980	0.8791	0.8366	0.6707	0.4749	0.3253	0.1339
1981	0.9621	0.9077	0.6987	0.5903	0.5456	0.2404
1982	0.5534	0.5288	0.4754	0.3347	0.2462	0.1014
1983	0.4465	0.4233	0.3741	0.2901	0.2069	0.1156
1984	0.6137	0.588	0.5338	0.3856	0.3126	0.1325
1985	0.8794	0.8156	0.6018	0.3509	0.2667	0.1475
1986	0.6085	0.5799	0.4925	0.3646	0.3022	0.1143
1987	1.262	1.19	1.046	0.5588	0.3811	0.175
1988	0.7344	0.7049	0.5852	0.4101	0.2966	0.1612
1989	0.8802	0.8301	0.6542	0.4814	0.3736	0.1353
1990	0.785	0.7362	0.6392	0.5434	0.4147	0.175

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	1.262	1.19	1.046	0.6716	0.5495	0.2404	
0.0645161290322581		1.091	1.052	0.8701	0.6429	0.5478	0.2106
0.0967741935483871		1.012	0.965	0.8322	0.624	0.5456	0.1985
0.129032258064516	0.9972	0.9585	0.8309	0.6231	0.5089	0.1933	
0.161290322580645	0.9954	0.9329	0.7459	0.5903	0.4598	0.1909	
0.193548387096774	0.9768	0.9077	0.724	0.5889	0.456	0.1781	
0.225806451612903	0.9621	0.903	0.6987	0.5588	0.4231	0.175	
0.258064516129032	0.8889	0.8486	0.6873	0.5434	0.4147	0.175	
0.290322580645161	0.8802	0.8366	0.6707	0.5363	0.4049	0.1669	
0.32258064516129	0.8794	0.8301	0.6697	0.5223	0.4021	0.1612	
0.354838709677419	0.8791	0.8156	0.6542	0.4988	0.386	0.1587	
0.387096774193548	0.8054	0.7601	0.6429	0.4851	0.3811	0.1532	
0.419354838709677	0.7932	0.7512	0.6392	0.4814	0.3736	0.152	
0.451612903225806	0.785	0.7497	0.624	0.4749	0.369	0.1505	
0.483870967741936	0.7741	0.7362	0.6031	0.468	0.3662	0.1488	
0.516129032258065	0.7381	0.7079	0.6018	0.4612	0.3504	0.1475	
0.548387096774194	0.7344	0.7049	0.5852	0.4592	0.3337	0.1474	
0.580645161290323	0.7106	0.6787	0.5457	0.4278	0.3253	0.1463	
0.612903225806452	0.6768	0.6539	0.5386	0.4101	0.3126	0.1353	
0.645161290322581	0.649	0.6204	0.5338	0.3856	0.3022	0.1339	
0.67741935483871	0.6455	0.6144	0.5307	0.3646	0.2966	0.1325	
0.709677419354839	0.6137	0.588	0.5297	0.3586	0.2889	0.1156	

0.741935483870968	0.6085	0.5799	0.4925	0.3575	0.2823	0.1143
0.774193548387097	0.5747	0.5409	0.4754	0.3509	0.2667	0.1111
0.806451612903226	0.5534	0.5288	0.4148	0.3347	0.2499	0.1018
0.838709677419355	0.481	0.4544	0.3947	0.3227	0.2462	0.1014
0.870967741935484	0.4757	0.4492	0.3741	0.2952	0.2392	0.08856
0.903225806451613	0.4465	0.4233	0.3616	0.2901	0.2069	0.08587
0.935483870967742	0.4141	0.3875	0.3571	0.2516	0.178	0.06388
0.967741935483871	0.2554	0.2436	0.2083	0.1422	0.1123	0.04542
0.1	1.01052	0.96435	0.83207	0.62391	0.54193	0.19798

Average of yearly averages: 0.144131

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

Data used for this run:
Output File: TURNFIP
Metfile: w24232.dvf
PRZM scenario: ORswcornC.txt
EXAMS environment file: ir298.exv
Chemical Name: Fipronil

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	437	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	727	mg/L		
Photolysis half-life	kdp	0.16	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	33.7	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	33.7	days	Halfife
Aerobic Soil Metabolism		asm	128	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	1.27	cm		
Application Rate:	TAPP	0.1456	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	25-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TURNIP_MB136

stored as TURNIP136.out
Chemical: MB46136
PRZM environment: ORswcornC.txt modified Satday, 12 October 2002 at 17:21:42
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.1586	0.1466	0.09913	0.06054	0.04562	0.01169
1962	0.2971	0.2784	0.2369	0.1798	0.1665	0.08665
1963	0.3052	0.2917	0.2614	0.2322	0.2073	0.1759
1964	0.6103	0.5822	0.4112	0.2935	0.256	0.2089
1965	0.4802	0.4631	0.3983	0.3715	0.3377	0.2589
1966	0.5393	0.5234	0.4509	0.3563	0.3436	0.2719
1967	0.4188	0.4101	0.3623	0.3153	0.3001	0.2486
1968	0.481	0.4627	0.4221	0.3638	0.3454	0.2858
1969	0.4596	0.4453	0.4121	0.3757	0.3519	0.3033
1970	0.5241	0.5077	0.466	0.4255	0.3999	0.3157
1971	0.4708	0.4515	0.4246	0.3794	0.366	0.3111
1972	0.5108	0.4888	0.4217	0.3706	0.3549	0.2834
1973	0.6215	0.5932	0.5356	0.4655	0.3797	0.2785
1974	0.6464	0.623	0.5448	0.4682	0.4434	0.3471
1975	0.4236	0.4059	0.3585	0.347	0.337	0.2852
1976	0.3825	0.37	0.34	0.3159	0.313	0.2422
1977	0.4962	0.4682	0.393	0.2868	0.2383	0.1781
1978	0.3843	0.368	0.3305	0.2887	0.2658	0.2103
1979	0.3464	0.3309	0.3029	0.2804	0.2606	0.2067
1980	0.5624	0.5301	0.4094	0.3213	0.2867	0.243
1981	0.4842	0.4667	0.4435	0.3915	0.3631	0.2795
1982	0.4407	0.422	0.3908	0.373	0.3589	0.2917
1983	0.4292	0.4204	0.3993	0.3727	0.3631	0.3005
1984	0.4256	0.412	0.3669	0.3457	0.3047	0.264
1985	0.3013	0.295	0.2756	0.2653	0.2591	0.2308
1986	0.3695	0.3571	0.3183	0.2726	0.2604	0.2208
1987	0.5592	0.5258	0.4614	0.3107	0.2771	0.2378
1988	0.4571	0.4362	0.3907	0.3292	0.3055	0.2475
1989	0.4314	0.4084	0.338	0.269	0.2627	0.2231
1990	0.3913	0.3792	0.3638	0.3316	0.3105	0.2499

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.6464	0.623	0.5448	0.4682	0.4434	0.3471	
0.0645161290322581		0.6215	0.5932	0.5356	0.4655	0.3999	0.3157
0.0967741935483871		0.6103	0.5822	0.466	0.4255	0.3797	0.3111
0.129032258064516	0.5624	0.5301	0.4614	0.3915	0.366	0.3033	
0.161290322580645	0.5592	0.5258	0.4509	0.3794	0.3631	0.3005	
0.193548387096774	0.5393	0.5234	0.4435	0.3757	0.3631	0.2917	
0.225806451612903	0.5241	0.5077	0.4246	0.373	0.3589	0.2858	
0.258064516129032	0.5108	0.4888	0.4221	0.3727	0.3549	0.2852	
0.290322580645161	0.4962	0.4682	0.4217	0.3715	0.3519	0.2834	
0.32258064516129	0.4842	0.4667	0.4121	0.3706	0.3454	0.2795	
0.354838709677419	0.481	0.4631	0.4112	0.3638	0.3436	0.2785	
0.387096774193548	0.4802	0.4627	0.4094	0.3563	0.3377	0.2719	
0.419354838709677	0.4708	0.4515	0.3993	0.347	0.337	0.264	
0.451612903225806	0.4596	0.4453	0.3983	0.3457	0.313	0.2589	
0.483870967741936	0.4571	0.4362	0.393	0.3316	0.3105	0.2499	
0.516129032258065	0.4407	0.422	0.3908	0.3292	0.3055	0.2486	
0.548387096774194	0.4314	0.4204	0.3907	0.3213	0.3047	0.2475	
0.580645161290323	0.4292	0.412	0.3669	0.3159	0.3001	0.243	
0.612903225806452	0.4256	0.4101	0.3638	0.3153	0.2867	0.2422	
0.645161290322581	0.4236	0.4084	0.3623	0.3107	0.2771	0.2378	
0.67741935483871	0.4188	0.4059	0.3585	0.2935	0.2658	0.2308	

0.709677419354839	0.3913	0.3792	0.34	0.2887	0.2627	0.2231
0.741935483870968	0.3843	0.37	0.338	0.2868	0.2606	0.2208
0.774193548387097	0.3825	0.368	0.3305	0.2804	0.2604	0.2103
0.806451612903226	0.3695	0.3571	0.3183	0.2726	0.2591	0.2089
0.838709677419355	0.3464	0.3309	0.3029	0.269	0.256	0.2067
0.870967741935484	0.3052	0.295	0.2756	0.2653	0.2383	0.1781
0.903225806451613	0.3013	0.2917	0.2614	0.2322	0.2073	0.1759
0.935483870967742	0.2971	0.2784	0.2369	0.1798	0.1665	0.08665
0.967741935483871	0.1586	0.1466	0.09913	0.06054	0.04562	0.01169
0.1	0.60551	0.57699	0.46554	0.4221	0.37833	0.31032

Average of yearly averages: 0.243284666666667

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

Data used for this run:
Output File: TURNIP136
Metfile: w24232.dvf
PRZM scenario: ORswcornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46136

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	453	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.16	mg/L		
Kd	Kd		mg/L		
Koc	Koc	4208	mg/L		
Photolysis half-life	kdp	7	days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halfife
Aerobic Soil Metabolism		asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	1.27	cm		
Application Rate:	TAPP	0.0349	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	25-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TURNIP_MB513

stored as TURNIP513.out
Chemical: MB46513
PRZM environment: ORswcornC.txt modified Satday, 12 October 2002 at 17:21:42
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.01494	0.01445	0.01118	0.007312	0.005506	0.001432
1962	0.02278	0.02214	0.02069	0.017	0.01553	0.008331
1963	0.02085	0.02036	0.01868	0.01687	0.01441	0.01167
1964	0.03091	0.03015	0.0234	0.01655	0.01508	0.01116
1965	0.02768	0.02712	0.02454	0.02165	0.01948	0.01334
1966	0.02878	0.02827	0.02597	0.02155	0.01965	0.01376
1967	0.02258	0.02218	0.02038	0.01805	0.01679	0.01244
1968	0.02274	0.0223	0.02118	0.01979	0.01911	0.01462
1969	0.02497	0.02446	0.02328	0.02093	0.01966	0.01395
1970	0.02604	0.02364	0.02248	0.02073	0.01915	0.01417
1971	0.02536	0.02472	0.02341	0.02061	0.01889	0.01431
1972	0.0254	0.02477	0.01865	0.01583	0.01477	0.01085
1973	0.03372	0.03295	0.03111	0.02635	0.02073	0.01418
1974	0.02621	0.02569	0.02367	0.02075	0.01901	0.01402
1975	0.02261	0.02213	0.02074	0.01886	0.01751	0.01299
1976	0.01833	0.01794	0.01739	0.01557	0.01469	0.009451
1977	0.02389	0.02322	0.02091	0.01473	0.01156	0.006705
1978	0.01988	0.01938	0.01813	0.01544	0.01389	0.009385
1979	0.02176	0.02117	0.01991	0.01852	0.01647	0.0106
1980	0.03236	0.03138	0.02546	0.01817	0.01609	0.0121
1981	0.02911	0.02828	0.02678	0.02421	0.02239	0.0161
1982	0.02412	0.02373	0.02226	0.02001	0.01855	0.0133
1983	0.02293	0.02257	0.02101	0.01872	0.01746	0.01269
1984	0.02201	0.02159	0.01996	0.01873	0.01536	0.01095
1985	0.01586	0.01555	0.01475	0.0136	0.01204	0.01041
1986	0.02005	0.01964	0.01782	0.01451	0.01236	0.009796
1987	0.03367	0.03262	0.02955	0.01844	0.01462	0.01162
1988	0.02838	0.02763	0.0258	0.02249	0.02033	0.01383
1989	0.02458	0.02388	0.02123	0.01608	0.01477	0.01129
1990	0.02291	0.02231	0.02156	0.02039	0.01897	0.01369

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.03372	0.03295	0.03111	0.02635	0.02239	0.0161	
0.0645161290322581		0.03367	0.03262	0.02955	0.02421	0.02073	0.01462
0.0967741935483871		0.03236	0.03138	0.02678	0.02249	0.02033	0.01431
0.129032258064516	0.03091	0.03015	0.02597	0.02165	0.01966	0.01418	
0.161290322580645	0.02911	0.02828	0.0258	0.02155	0.01965	0.01417	
0.193548387096774	0.02878	0.02827	0.02546	0.02093	0.01948	0.01402	
0.225806451612903	0.02838	0.02763	0.02454	0.02075	0.01915	0.01395	
0.258064516129032	0.02768	0.02712	0.02367	0.02073	0.01911	0.01383	
0.290322580645161	0.02621	0.02569	0.02341	0.02061	0.01901	0.01376	
0.32258064516129	0.02604	0.02477	0.0234	0.02039	0.01897	0.01369	
0.354838709677419	0.0254	0.02472	0.02328	0.02001	0.01889	0.01334	
0.387096774193548	0.02536	0.02446	0.02248	0.01979	0.01855	0.0133	
0.419354838709677	0.02497	0.02388	0.02226	0.01886	0.01751	0.01299	
0.451612903225806	0.02458	0.02373	0.02156	0.01873	0.01746	0.01269	
0.483870967741936	0.02412	0.02364	0.02123	0.01872	0.01679	0.01244	
0.516129032258065	0.02389	0.02322	0.02118	0.01852	0.01647	0.0121	
0.548387096774194	0.02293	0.02257	0.02101	0.01844	0.01609	0.01167	
0.580645161290323	0.02291	0.02231	0.02091	0.01817	0.01553	0.01162	
0.612903225806452	0.02278	0.0223	0.02074	0.01805	0.01536	0.01129	
0.645161290322581	0.02274	0.02218	0.02069	0.017	0.01508	0.01116	

0.67741935483871	0.02261	0.02214	0.02038	0.01687	0.01477	0.01095
0.709677419354839	0.02258	0.02213	0.01996	0.01655	0.01477	0.01085
0.741935483870968	0.02201	0.02159	0.01991	0.01608	0.01469	0.0106
0.774193548387097	0.02176	0.02117	0.01868	0.01583	0.01462	0.01041
0.806451612903226	0.02085	0.02036	0.01865	0.01557	0.01441	0.009796
0.838709677419355	0.02005	0.01964	0.01813	0.01544	0.01389	0.009451
0.870967741935484	0.01988	0.01938	0.01782	0.01473	0.01236	0.009385
0.903225806451613	0.01833	0.01794	0.01739	0.01451	0.01204	0.008331
0.935483870967742	0.01586	0.01555	0.01475	0.0136	0.01156	0.006705
0.967741935483871	0.01494	0.01445	0.01118	0.007312	0.005506	0.001432
0.1	0.032215	0.031257	0.026699	0.022406	0.020263	0.014297

Average of yearly averages: 0.0117713333333333

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

Data used for this run:
Output File: TURNIP513
Metfile: w24232.dvf
PRZM scenario: ORswcornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB46513

Description	Variable Name		Value	Units	Comments
Molecular weight	mwt	389	g/mol		
Henry's Law Const.	henry		atm-m^3/mol		
Vapor Pressure	vapr		torr		
Solubility	sol	0.95	mg/L		
Kd	Kd		mg/L		
Koc	Koc	1290	mg/L		
Photolysis half-life	kdp		days	Half-life	
Aerobic Aquatic Metabolism		kbacw	1320	days	Halfife
Anaerobic Aquatic Metabolism		kbacs	1320	days	Halfife
Aerobic Soil Metabolism		asm	660	days	Halfife
Hydrolysis:	pH 7		days	Half-life	
Method:	CAM	5	integer	See PRZM manual	
Incorporation Depth:	DEPI	1.27	cm		
Application Rate:	TAPP	0.0014	kg/ha		
Application Efficiency:		APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond		
Application Date	Date	25-5	dd/mm or dd/mmm or dd-mm or dd-mmm		
Record 17:	FILTRA				
	IPSCND				
	UPTKF				
Record 18:	PLVKRT				
	PLDKRT				
	FEXTRC	0.5			
Flag for Index Res. Run		IR	IR		
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)		

TURNIP_MB950

stored as Turnip45950.out
Chemical: MB45950
PRZM environment: ORswcornC.txt modified Satday, 12 October 2002 at 17:21:42
EXAMS environment: ir298.exv modified Thuday, 29 August 2002 at 15:34:12
Metfile: w24232.dvf modified Wedday, 3 July 2002 at 09:06:10
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	0.04796	0.04534	0.0323	0.01992	0.01494	0.003841
1962	0.08379	0.08008	0.07169	0.05625	0.05168	0.02783
1963	0.08198	0.07931	0.07218	0.06462	0.0575	0.04991
1964	0.1486	0.1433	0.105	0.07456	0.06889	0.05403
1965	0.1254	0.122	0.1072	0.09945	0.09014	0.06557
1966	0.1329	0.1295	0.1152	0.09304	0.0882	0.0669
1967	0.1007	0.09896	0.08973	0.07984	0.0756	0.05999
1968	0.1146	0.1114	0.1032	0.09022	0.08548	0.06957
1969	0.1086	0.1056	0.09912	0.09039	0.0843	0.0715
1970	0.123	0.1201	0.112	0.103	0.09702	0.07391
1971	0.1147	0.1108	0.1053	0.09418	0.08947	0.0728
1972	0.1145	0.1108	0.09857	0.08727	0.08347	0.06377
1973	0.1521	0.1471	0.1361	0.1183	0.09444	0.06588
1974	0.1482	0.1442	0.1303	0.1151	0.1076	0.08048
1975	0.1015	0.09798	0.08744	0.08349	0.08027	0.06541
1976	0.08591	0.08376	0.08072	0.0751	0.07413	0.05425
1977	0.1217	0.1165	0.1004	0.07033	0.05674	0.03858
1978	0.09857	0.09513	0.08666	0.07479	0.06798	0.05008
1979	0.08695	0.08382	0.07775	0.07163	0.06562	0.04911
1980	0.1382	0.1321	0.1039	0.07858	0.07228	0.05849
1981	0.123	0.1196	0.1144	0.1007	0.09278	0.06964
1982	0.1078	0.1048	0.09772	0.0941	0.08973	0.06936
1983	0.1043	0.102	0.09395	0.0888	0.0877	0.06953
1984	0.1022	0.09967	0.08983	0.08412	0.07225	0.06006
1985	0.0735	0.07198	0.06688	0.06281	0.06062	0.05295
1986	0.08794	0.08571	0.07619	0.06403	0.06124	0.05095
1987	0.1371	0.1308	0.1164	0.07661	0.06741	0.0564
1988	0.1157	0.1115	0.1016	0.08647	0.07927	0.06058
1989	0.1042	0.09993	0.08561	0.06698	0.06503	0.05333
1990	0.09813	0.09576	0.09246	0.08507	0.07955	0.06152

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.1521	0.1471	0.1361	0.1183	0.1076	0.08048	
0.0645161290322581		0.1486	0.1442	0.1303	0.1151	0.09702	0.07391
0.0967741935483871		0.1482	0.1433	0.1164	0.103	0.09444	0.0728
0.129032258064516	0.1382	0.1321	0.1152	0.1007	0.09278	0.0715	
0.161290322580645	0.1371	0.1308	0.1144	0.09945	0.09014	0.06964	
0.193548387096774	0.1329	0.1295	0.112	0.09418	0.08973	0.06957	
0.225806451612903	0.1254	0.122	0.1072	0.0941	0.08947	0.06953	
0.258064516129032	0.123	0.1201	0.1053	0.09304	0.0882	0.06936	
0.290322580645161	0.123	0.1196	0.105	0.09039	0.0877	0.0669	
0.32258064516129	0.1217	0.1165	0.1039	0.09022	0.08548	0.06588	
0.354838709677419	0.1157	0.1115	0.1032	0.0888	0.0843	0.06557	
0.387096774193548	0.1147	0.1114	0.1016	0.08727	0.08347	0.06541	
0.419354838709677	0.1146	0.1108	0.1004	0.08647	0.08027	0.06377	
0.451612903225806	0.1145	0.1108	0.09912	0.08507	0.07955	0.06152	
0.483870967741936	0.1086	0.1056	0.09857	0.08412	0.07927	0.06058	
0.516129032258065	0.1078	0.1048	0.09772	0.08349	0.0756	0.06006	
0.548387096774194	0.1043	0.102	0.09395	0.07984	0.07413	0.05999	
0.580645161290323	0.1042	0.09993	0.09246	0.07858	0.07228	0.05849	
0.612903225806452	0.1022	0.09967	0.08983	0.07661	0.07225	0.0564	
0.645161290322581	0.1015	0.09896	0.08973	0.0751	0.06889	0.05425	
0.67741935483871	0.1007	0.09798	0.08744	0.07479	0.06798	0.05403	

0.709677419354839	0.09857	0.09576	0.08666	0.07456	0.06741	0.05333
0.741935483870968	0.09813	0.09513	0.08561	0.07163	0.06562	0.05295
0.774193548387097	0.08794	0.08571	0.08072	0.07033	0.06503	0.05095
0.806451612903226	0.08695	0.08382	0.07775	0.06698	0.06124	0.05008
0.838709677419355	0.08591	0.08376	0.07619	0.06462	0.06062	0.04991
0.870967741935484	0.08379	0.08008	0.07218	0.06403	0.0575	0.04911
0.903225806451613	0.08198	0.07931	0.07169	0.06281	0.05674	0.03858
0.935483870967742	0.0735	0.07198	0.06688	0.05625	0.05168	0.02783
0.967741935483871	0.04796	0.04534	0.0323	0.01992	0.01494	0.003841
0.1	0.1472	0.14218	0.11628	0.10277	0.094274	0.07267

Average of yearly averages: 0.0582073666666667

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

Data used for this run:
Output File: Turnip45950
Metfile: w24232.dvf
PRZM scenario: ORswcornC.txt
EXAMS environment file: ir298.exv
Chemical Name: MB45950

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	421	g/mol	
Henry's Law Const.	henry		atm-m^3/mol	
Vapor Pressure	vapr		torr	
Solubility	sol	0.1	mg/L	
Kd	Kd		mg/L	
Koc	Koc	2719	mg/L	
Photolysis half-life	kdp		days	Half-life
Aerobic Aquatic Metabolism	kbacw	1400	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	1400	days	Halfife
Aerobic Soil Metabolism	asm	700	days	Halfife
Hydrolysis:	pH 7		days	Half-life
Method:	CAM	5	integer	See PRZM manual
Incorporation Depth:	DEPI	1.27	cm	
Application Rate:	TAPP	0.0072	kg/ha	
Application Efficiency:	APPEFF	1.0	fraction	
Spray Drift	DRFT		fraction of application rate applied to pond	
Application Date	Date	25-5	dd/mm or dd/mmm or dd-mm or dd-mmm	
Record 17:	FILTRA			
	IPSCND			
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run		IR	IR	
Flag for runoff calc.	RUNOFF	total	none, monthly or total(average of entire run)	