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

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Chemical: Fipronil
PC Code: 129121
DP Barcode: 322415, 319940, 328892

MEMORANDUM

DATE: June 26, 2006

SUBJECT: Revision of Drinking Water Assessment in Response to Registrant Comments on Comparative Drinking Water Assessment for Proposed and Registered Fipronil Uses (PC Code 129121; DP Barcode 322415).

FROM: James Hetrick, Ph.D., Senior Physical Scientist
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James G. Hetrick 6/26/06
Nancy J. Andrews 6/26/06

TO: Richard Gebken, RM 10
Insecticides Branch
Registration Division (7505C)

This memorandum provides a response to registrant (BASF) comments on the comparative drinking water assessment for fipronil (MRID 46658201).[1] Additionally, the drinking water assessment was modified according to address registrant comments. The registrant highlighted the following issues:

1.) The application rate for in-furrow fipronil use on narrow (15 cm) row spacing is the same as the normal (30 cm) row spacing for corn. The maximum fipronil application rate for corn is 0.1456 kg/ha (0.13 lbs ai/A). Additionally, the registrant noted the label recommends a minimum in-furrow application depth of

[1] Jackson, Scott.2005. Characterizing Exposure from Fipronil Corn Use in Water for Ecotoxicolgy and Drinking Water Assessments.

5 cm. EFED revised the in-furrow corn drinking water modeling to address these comments.

2.) The registrant provided expert recommendation on onion seeding rates in areas (New York, Colorado, Oregon), where onion maggot is a serious pest. The experts stated that seeding rates vary from 125,000 (mineral soils) to 220,000 (organic "muck" soils) seeds per acre. The onion seed weight is 4 grams per 1000 seeds. According to the proposed onion seed label, the fipronil seed treatment rate is 0.025 lbs ai/lb seed. Therefore, the recommended maximum seeding rate is 1.938 lbs of seed per acre to provide a fipronil application rate of 0.048 lbs/A (0.054 kg/ha). In additional correspondence, the registrant stated dry bulb onion seeding rates range from 1.25 to 4 lbs of seed/A for fipronil application rates of 0.03125 to 0.1 lbs ai/A, respectively. EFED revised the dry bulb onion seed scenario to reflect both the typical grower rates (1.938 lbs seed/A ;0.048 lbs fipronil/A) and maximum rate of (4 lbs seed/A; 0.1lbs fipronil/A). Please see Table 5 for revised modeling results.

3.) The registrant stated that an incorrect PRZM chemical application method (CAM) was selected for simulating chemical application on onion seed treatment. The registrant recommends using CAM 8 (defined as soil applied, chemical incorporated entirely into a depth specificed by user) instead of CAM 5 (soil applied, user defined depth, linear increasing with depth). EFED agrees that CAM 8 is more appropriate for simulating chemical application methods from seed treatments. EFED also re-reviewed the CAM selections for other fipronil uses. This review found that potato/sweet potato, rutabagas/turnips, seed corn treatment should be changed from CAM 5 to CAM 8. Additionally, EFED changed the chemical application method for broadcast uses of fipronil from CAM 8 to CAM 1.

3.) The registrant stated the proposed leafcutter ant use is designed as a residential use rather than a field use. Therefore, the PRZM scenario should represent turf rather than alfalfa. The FL turf scenario will be used to represent the leafcutter ant uses of fipronil. Additionally, a Tier I drinking assessment was conducted using the Tier I FIRST model to provide a bounding estimate on fipronil concentrations in drinking water.

4.) The registrant stated that batch equilibrium coefficients (mean K_{oc}=3911 mL/g) and water solubility (0.04 mg/L) for the fipronil degradation product 5-amino-1-(2,6-dichloro-4-trifluoromethylphenyl)-3-cyano-4-trifluoro-methyl-thio-pyrazole (MB45950) were not considered in the modeling assessment. EFED incorporated the data into the drinking water exposure modeling. Additionally, the registrant proposed the use of terrestrial field dissipation DT50s as a surrogate half-life for fipronil degradation products. Terrestrial field dissipation half-lives will not be used in the modeling because it confounds issues with the separation of dissipation and degradation processes in soil.

5.) The registrant stated the drinking water assessment did not adequately account for fipronil monitoring data in the drinking water assessment. EFED reviewed

registrant submitted fipronil monitoring data. A summary of the monitoring data are provided.

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 patterns. 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.

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 the proposed use on onion seeds. Fipronil concentrations in surface source water are not expected to exceed 2,654.1 ng/L for the 1 in 10 year peak concentration, 167 ng/L for 1 in 10 year annual average concentration, and 161.2 ng/L for the 30 year annual average concentration. A complete accounting of residue concentrations can be found in Table 5.

As expected, the highest ground water concentrations for fipronil and its degradation products are for in-furrow corn and turnip/rutabagas uses. Peak and chronic concentrations in shallow, source ground water are not expected to exceed 21 ng/L for fipronil, 0.796 ng/L for MB136, 0.386 ng/L for MB513, and 0.187 ng/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 residue dissipation rate from onion and corn seed coats. In the absence of seed dislodgeable residue data, EFED assumed 100% of the fipronil residues on the seed is available for runoff, leaching, and degradation.

Surface Water Modeling

PRZM (3.12 beta) and EXAM (2.97.5) using PE4V01.pl (August 13, 2003) were used to estimate fipronil residue concentrations in drinking water. 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 sweet potato	High runoff scenario
Rutabagas/Turnips	OR snap bean	Regionally similar scenario as use area
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	FL turf	Surrogate scenario for TX turf
In-slit mole cricket	FL turf	High runoff scenario
Broadcast Fire Ant	FL turf	High runoff scenario

Environmental fate properties 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 pesticide 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	8	10.16
Rutabagas/Turnips	Regent® 4 SC EPA Reg. No. 7969-207 Amended for Section 18	0.1456	1	8	1.27
In-Furrow Corn Regular (30/15 inch) Row Spacing	REGENT® 4SC EPA Reg No. 7969-207	0.1456	1	5	5
Seed Corn Treatment	REGENT® TS EPA Reg No. 7969-223	0.02[1]	1	8	4
Onion Seed Treatment	ICON® 6.2 FS EPA Reg pending	0.112	1	8	0.635
		0.054	1	8	0.635
Broadcast Bait Texas Leafcutter Ants	Proposed Label for BES 100 Insecticide	0.0032	1	1	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	1	0.1

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

2- Narrow row spacing from 30 inch rows (normal row spacing) and 15 inch rows (narrow row spacing) will applied at the same application rate.

2- Application rate for the dry bulb onion seed treatment was determined assuming the maximum seeding rate (4 lbs of seed/A) and typical seeding rates (1.9 lbs of seed/A).

EFED also conducted surface water modeling for the individual degradation products including MB 46513, MB 46136 and MB45950. Environmental fate properties for the fipronil degradates are shown in Table 4. The modeling was conducted using the maximum daily conversion efficiency in the environmental fate laboratory studies. There was no correction for molecular weight because the molecular weights of fipronil and degradation products are similar. Estimation of summed residue concentrations (fipronil+degradation products) is conservative because maximum degradation concentrations for all fipronil degradation products is unlikely to occur at the same time 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	3911 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	0.04 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** MRID 44537902

PRZM/EXAMS Simulations

PRZM/EXAMS simulations for fipronil uses 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 use on onion seed. These estimated concentrations are expected to be conservative because it assumes all fipronil residues on the seed coat are available for runoff, leaching, and degradation. Tier I modeling was also conducted on the leafcutter use to determine upper bound fipronil residue concentrations in drinking water (Table 6).

Table 5: Estimated Fipronil and Degradation Product Concentrations (ng fipronil equivalence/L) for 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[1]	0	0	0	0	0	0	0	0	0	0	0	0
Rutabagas/Turnips[1]	608.4	311.4	17.5	67.0	116.3	149.2	7.3	32.4	85.2	117.7	5.9	25.7
In-Furrow Corn[1]	423.3	64.8	4.0	13.8	34.4	29.5	1.5	6.5	16.9	21.4	1.1	4.7
Seed Corn Treatment[1]	0	0	0	0	0	0	0	0	0	0	0	0
Onion Seed Treatment[1,3] (Max App Rate)	2654.6	394.1	27.1	86.4	317.9	167.0	8.8	37.0	161.2	139.1	6.3	30.8
Onion Seed Treatment[1,4] (Typical App Rate)	1279.5	195.5	12.3	40.9	153.3	82.9	4.0	17.5	77.7	69.0	2.8	14.5
Broadcast Bait Texas[2] Leafcutter Ants	22.5	7.1	0.3	2.9	1.8	3.6	0.2	1.0	0.9	2.8	0.1	0.8
In-slit mole cricket[2]	20.7	7.4	0.3	1.6	1.6	3.4	0.2	0.8	0.7	2.6	0.1	0.6
Broadcast Fire Ant[2]	105	29.1	1.1	6.6	8.5	14.8	0.7	3.5	4.3	11.4	0.5	2.7

1- PCA correction was 0.86 for multiple crops.
2- No PCA correction were used for turf uses of fipronil
3- Maximum application seeding rate for onions (4 lbs seed/A)
4- Maximum typical rate for onions (1.938 lbs seed/A)

Table 6: Estimated Fipronil and Degradation Product Concentrations (ng fipronil equivalence/L) in the Tier I FIRST model.								
Fipronil Uses	Peak Concentration				Annual Average Concentration			
	Fipronil	MB136	MB513	MB950	Fipronil	MB136	MB513	MB950
Broadcast Bait Texas Leafcutter Ants	131.5	16.4	0.9	4.2	3.7	4.0	0.4	1.2

WAtershed Regressions for Pesticides Modeling

The registrant submitted an WARP modeling analysis for in-furrow use of fipronil on field corn. The modeling was conducted using the multi-chemical version of WARP[2]. Based on WARP modeling, BASF estimated the 90th percentile concentration for a USGS HUC 8 was 3.9 ng/L. The maximum fipronil concentration for any single HUC 8 was 106 ng/L. The Office of Pesticide Programs (OPP) does not have a standard policy for using WARP model predictions in FQPA drinking water assessments. The WARP modeling did not account for the upper prediction interval of the regression equation. Because the WARP modeling is a regression model, the standard WARP predictions are reflective of the central tendency (median) concentration for each percentile concentration. Therefore, the WARP modeling without adjustment of the upper prediction interval is expected to underestimate fipronil concentrations in surface water.

SCI-GROW Simulations

Ground water concentrations for fipronil and its degradation products were estimated using SC2.3 (July 29,2003). The 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 in-furrow corn and rutabagas/turnip uses had the highest predicted concentration (21 ng/L) in ground water.

Table 7: 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	0.143
Rutabagas/Turnips	21.1	0.796	0.385	0.187
In-Furrow Corn	21.1	0.796	0.385	0.187
Seed Corn Treatment	2.86	0.103	0.0385	0.024
Onion Seed Treatment	20.1	0.767	0.231	0.184
Broadcast Bait Texas Leafcutter Ants	0.459	0.0175	0.005	0.005
In-slit mole cricket	8.05	0.308	0.077	0.037
Broadcast Fire Ant	2.01	0.0771	0.0192	0.018

[2] The WARP regression model is as follows: log10(conc)=[(use intensity)$^{1/4}$,log10(R-factor), K-factor, (watershed area)$^{1/2}$,Dunne Overland flow, May precipitation departure]+ log10((SWMI/SWMI$_{atrazine}$)1.125) +log10((vapor pressure$_{atrazine}$/vapor pressure)0.075).

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 submitted additional aerobic aquatic data showing the first-order half-life for fipronil was 16 days in a Ongar sediment/water system and 35.62 days for Manningtree sediment/water systems (RPA Document 201604). Based on the available aerobic aquatic metabolism data, the upper bound 90th percentile mean aerobic aquatic half-life for fipronil is 33.7 days. It is 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 is expected 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).

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 use of fipronil in turf for control of fire ants.

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 ≤ 0.1 µg/kg.

A drinking water monitoring study data on the occurrence of fipronil residues in raw surface source drinking water impacted from in-furrow corn uses of fipronil (MRID 45526101). The study is deficient in assessing the occurrence of fipronil residues in finished drinking water due to the lack of chemical methods for separation and detection of chlorinated fipronil residues. Fipronil and its degradation products (MB46513, MB45950, and MB46136) occurrence was extremely infrequent . Most water samples had fipronil residue concentrations in raw water of ≤ 4 ng/L. The maximum confirmed daily concentration of fipronil residues was 17.1 ng/L for fipronil, 57.9 ng/L for MB46513, and 55.4 for MB46136 on April 26, 1999 at the Milford, KS site.

An edge-of-field runoff study for fipronil residues was conducted for field corn in the Mid-Western United States (MRID 46477003). The study provides a probabilistic site selection process to represent a 1 year distribution of edge-of-field runoff of fipronil residues in the Mid-Western U.S. corn belt. These data indicate that the maximum edge-of-field concentration of fipronil residues range from 0 to 3,600 ng/L for fipronil, <10 to 13 ng/L for MB 46513, <10 to 165 ng/L for MB 46950, and <10 to 61 ng/L for MB 46136. Several sites had farm ponds for sample collection. The maximum concentration in pond water was 159 ng/L for fipronil and 24 ng/L for MB46513. MB 45950 and MB 46136 were not detected in the farm pond water. As expected, runoff of fipronil residues was strongly positively correlated to precipitation. However, an analysis of the time series of fipronil concentrations on short time intervals (0 to 12 hours after runoff event) indicate a sinus curve of fipronil concentration independent of rainfall amounts. These fluctuations in concentration appear to correspond to changes in volume and velocity of runoff waters.

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) 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 and 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.

Modeling to Monitoring Correction Factor

The registrant cited a method for scaling PRZM/EXAMS index reservoir modeling predictions to monitoring data. The method employs a linear regression model (y=2.156 +1.03584*X; where y= log of model over prediction and x=log of total active applied) to describe the relationship between the log of model over-prediction and the log of total active applied. The model over-prediction factor for fipronil is 17.30. The Office of Pesticide Programs (OPP) does not have a standard policy for using PRZM/EXAMS correction factors in FQPA drinking water assessments. The proposed modeling approach assumes PRZM/EXAMS index reservoir modeling overpredicts pesticide concentrations in raw drinking water. The index reservoir scenario was based on actual drinking water reservoir in Shipman, IL (FIRFA SAP. 1998. Proposed Methods for Basin-Scale Estimation of Pesticide Concentrations in Flowing Water and Reservoirs for Tolerance Reassessment. http://www.epa.gov/scipoly/sap/1998 /index.htm).

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 CORSEDFP.out
Chemical: Fipronill
PRZM environment: MScornC.txt modified Satday, 12 October 2002 at 16:06:02
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	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
0.0645161290322581	0	0	0	0	0	0	0
0.096774193548387	1	0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	0
0.161290322580645	0	0	0	0	0	0	0
0.193548387096774	0	0	0	0	0	0	0
0.225806451612903	0	0	0	0	0	0	0
0.258064516129032	0	0	0	0	0	0	0
0.290322580645161	0	0	0	0	0	0	0
0.32258064516129	0	0	0	0	0	0	0
0.354838709677419	0	0	0	0	0	0	0
0.387096774193548	0	0	0	0	0	0	0
0.419354838709677	0	0	0	0	0	0	0
0.451612903225806	0	0	0	0	0	0	0
0.483870967741936	0	0	0	0	0	0	0
0.516129032258065	0	0	0	0	0	0	0
0.548387096774194	0	0	0	0	0	0	0
0.580645161290323	0	0	0	0	0	0	0
0.612903225806452	0	0	0	0	0	0	0
0.645161290322581	0	0	0	0	0	0	0
0.67741935483871	0	0	0	0	0	0	0
0.709677419354839	0	0	0	0	0	0	0
0.741935483870968	0	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0	0
0.870967741935484	0	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: CORSEDFP
Metfile: w13893.dvf
PRZM scenario: MScornC.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	8	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 16:06:02
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	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: 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	8	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 16:06:02
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	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: 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	8	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 16:06:02
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	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
0.0645161290322581	0	0	0	0	0	0	0
0.0967741935483871	0	0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	0
0.161290322580645	0	0	0	0	0	0	0
0.193548387096774	0	0	0	0	0	0	0
0.225806451612903	0	0	0	0	0	0	0
0.258064516129032	0	0	0	0	0	0	0
0.290322580645161	0	0	0	0	0	0	0
0.32258064516129	0	0	0	0	0	0	0
0.354838709677419	0	0	0	0	0	0	0
0.387096774193548	0	0	0	0	0	0	0
0.419354838709677	0	0	0	0	0	0	0
0.451612903225806	0	0	0	0	0	0	0
0.483870967741936	0	0	0	0	0	0	0
0.516129032258065	0	0	0	0	0	0	0
0.548387096774194	0	0	0	0	0	0	0
0.580645161290323	0	0	0	0	0	0	0
0.612903225806452	0	0	0	0	0	0	0
0.645161290322581	0	0	0	0	0	0	0
0.67741935483871	0	0	0	0	0	0	0
0.709677419354839	0	0	0	0	0	0	0
0.741935483870968	0	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0	0
0.967741935483871	0	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: 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	3911	mg/L		
Photolysis half-life	kdp		days	Half-life	

Aerobic Aquatic Metabolism		kbacw	1400	days	Halflife
Anaerobic Aquatic Metabolism		kbacs	1400	days	Halflife
Aerobic Soil Metabolism		asm	700	days	Halflife
Hydrolysis:	pH 7		days	Half-life	
Method: CAM	8	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: Fipronil
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.03756	0.03417	0.02535	0.01468	0.01175	0.003384
1962	0.04547	0.04114	0.02854	0.02277	0.01722	0.004553
1963	0.07489	0.0676	0.04788	0.02885	0.02377	0.006566
1964	0.1091	0.09899	0.07858	0.04157	0.03447	0.009825
1965	0.06701	0.06088	0.0437	0.02503	0.01782	0.004624
1966	0.07925	0.0719	0.05756	0.04125	0.03749	0.01027
1967	0.03196	0.02903	0.02133	0.01512	0.01333	0.003878
1968	0.1143	0.1039	0.07726	0.04638	0.03359	0.008648
1969	0.03098	0.02789	0.02423	0.01682	0.01213	0.004516
1970	0.003304	0.002987	0.00202	0.001472	0.001098	0.0004042
1971	0.0443	0.04017	0.02743	0.01533	0.01372	0.004547
1972	0.05456	0.05002	0.03506	0.01969	0.01582	0.00513

1973	0.01054	0.009537	0.007298	0.005475	0.004136	0.001143
1974	0.0215	0.01952	0.01573	0.01116	0.009219	0.002535
1975	0.02399	0.02187	0.0157	0.008379	0.007837	0.002367
1976	0.05565	0.05066	0.03791	0.02927	0.02177	0.005663
1977	0.02251	0.02027	0.01438	0.01178	0.00869	0.003294
1978	0.08532	0.0773	0.05272	0.03259	0.0268	0.007477
1979	0.09056	0.08275	0.05672	0.02936	0.02463	0.006875
1980	0.01382	0.01252	0.009024	0.006793	0.005964	0.001713
1981	0.02354	0.02123	0.01791	0.01058	0.008687	0.002845
1982	0.06081	0.05494	0.03797	0.02203	0.01755	0.005035
1983	0.05521	0.05002	0.03717	0.02189	0.01639	0.004725
1984	0.1066	0.09685	0.06659	0.03536	0.02566	0.006754
1985	0.02132	0.01921	0.01289	0.007046	0.007788	0.002346
1986	0.03962	0.03567	0.02646	0.0194	0.01399	0.003591
1987	0.006524	0.005881	0.003908	0.002116	0.002094	0.0008337
1988	0.0105	0.009472	0.006388	0.003307	0.00253	0.00118
1989	0.02112	0.01908	0.01331	0.006794	0.004733	0.002396
1990	0.00678	0.006094	0.004055	0.002784	0.002287	0.0007565

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129		0.1143	0.1039	0.07858	0.04638	0.03749	0.01027
0.0645161290322581		0.1091	0.09899	0.07726	0.04157	0.03447	0.009825
0.0967741935483871		0.1066	0.09685	0.06659	0.04125	0.03359	0.008648
0.129032258064516		0.09056	0.08275	0.05756	0.03536	0.0268	0.007477
0.161290322580645		0.08532	0.0773	0.05672	0.03259	0.02566	0.006875
0.193548387096774		0.07925	0.0719	0.05272	0.02936	0.02463	0.006754
0.225806451612903		0.07489	0.0676	0.04788	0.02927	0.02377	0.006566
0.258064516129032		0.06701	0.06088	0.0437	0.02885	0.02177	0.005663
0.290322580645161		0.06081	0.05494	0.03797	0.02503	0.01782	0.00513
0.32258064516129		0.05565	0.05066	0.03791	0.02277	0.01755	0.005035
0.354838709677419		0.05521	0.05002	0.03717	0.02203	0.01722	0.004725
0.387096774193548		0.05456	0.05002	0.03506	0.02189	0.01639	0.004624
0.419354838709677		0.04547	0.04114	0.02854	0.01969	0.01582	0.004553
0.451612903225806		0.0443	0.04017	0.02743	0.0194	0.01399	0.004547
0.483870967741936		0.03962	0.03567	0.02646	0.01682	0.01372	0.004516
0.516129032258065		0.03756	0.03417	0.02535	0.01533	0.01333	0.003878
0.548387096774194		0.03196	0.02903	0.02423	0.01512	0.01213	0.003591
0.580645161290323		0.03098	0.02789	0.02133	0.01468	0.01175	0.003384
0.612903225806452		0.02399	0.02187	0.01791	0.01178	0.009219	0.003294
0.645161290322581		0.02354	0.02123	0.01573	0.01116	0.00869	0.002845
0.67741935483871		0.02251	0.02027	0.0157	0.01058	0.008687	0.002535
0.709677419354839		0.0215	0.01952	0.01438	0.008379	0.007837	0.002396
0.741935483870968		0.02132	0.01921	0.01331	0.007046	0.007788	0.002367
0.774193548387097		0.02112	0.01908	0.01289	0.006794	0.005964	0.002346
0.806451612903226		0.01382	0.01252	0.009024	0.006793	0.004733	0.001713
0.838709677419355		0.01054	0.009537	0.007298	0.005475	0.004136	0.00118
0.870967741935484		0.0105	0.009472	0.006388	0.003307	0.00253	0.001143
0.903225806451613		0.00678	0.006094	0.004055	0.002784	0.002287	0.0008337
0.935483870967742		0.006524	0.005881	0.003908	0.002116	0.002094	0.0007565
0.967741935483871		0.003304	0.002987	0.00202	0.001472	0.001098	0.0004042
0.1	0.104996	0.09544	0.065687	0.040661	0.032911	0.0085309	

Average of yearly averages: 0.00426248

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: 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	1	integer	See PRZM manual	
Incorporation Depth:	DEPI		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 13:48:06
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	0.007024	0.006538	0.005106	0.003831	0.003577	0.001565
1962	0.01306	0.0123	0.01013	0.007816	0.007519	0.004477
1963	0.02148	0.02009	0.0162	0.01277	0.01132	0.008085
1964	0.02901	0.02749	0.02325	0.01877	0.01765	0.01282
1965	0.01967	0.01891	0.0167	0.01441	0.01354	0.01197
1966	0.03886	0.0365	0.02939	0.02458	0.02238	0.0149
1967	0.02019	0.01945	0.01773	0.01544	0.01523	0.01351
1968	0.02915	0.02754	0.02386	0.02189	0.02026	0.01552
1969	0.026	0.0249	0.0226	0.01978	0.01908	0.01566
1970	0.01683	0.01666	0.01616	0.01575	0.01542	0.01305
1971	0.02043	0.01962	0.01756	0.01537	0.0148	0.01234
1972	0.02408	0.02309	0.02037	0.0175	0.01674	0.014
1973	0.01492	0.01469	0.01437	0.01397	0.01369	0.01254
1974	0.02254	0.02153	0.01846	0.01577	0.01509	0.01176
1975	0.01283	0.0125	0.01159	0.01112	0.01093	0.01041
1976	0.02805	0.02641	0.02147	0.01656	0.01509	0.0115
1977	0.01664	0.01606	0.01486	0.01355	0.01284	0.01132
1978	0.01574	0.01518	0.0137	0.01241	0.01256	0.01141

1979	0.02115	0.02028	0.01792	0.01618	0.01594	0.01376
1980	0.0135	0.01345	0.01327	0.01307	0.01285	0.01151
1981	0.01889	0.01799	0.01561	0.01342	0.01227	0.009975
1982	0.02106	0.02003	0.01714	0.01495	0.01397	0.01127
1983	0.01918	0.01843	0.01626	0.01411	0.01402	0.01193
1984	0.02225	0.02128	0.01834	0.01544	0.01467	0.01333
1985	0.01644	0.01589	0.01433	0.0131	0.01245	0.01149
1986	0.02086	0.01992	0.01821	0.01521	0.01421	0.01178
1987	0.01197	0.01178	0.01124	0.01074	0.01059	0.009529
1988	0.01555	0.01478	0.01245	0.009557	0.008761	0.008034
1989	0.03139	0.02988	0.02457	0.01804	0.01569	0.01131
1990	0.01392	0.01362	0.01275	0.01169	0.01153	0.01029

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129		0.03886	0.0365	0.02939	0.02458	0.02238	0.01566
0.0645161290322581		0.03139	0.02988	0.02457	0.02189	0.02026	0.01552
0.0967741935483871		0.02915	0.02754	0.02386	0.01978	0.01908	0.0149
0.129032258064516		0.02901	0.02749	0.02325	0.01877	0.01765	0.014
0.161290322580645		0.02805	0.02641	0.0226	0.01804	0.01674	0.01376
0.193548387096774		0.026	0.0249	0.02147	0.0175	0.01594	0.01351
0.225806451612903		0.02408	0.02309	0.02037	0.01656	0.01569	0.01333
0.258064516129032		0.02254	0.02153	0.01846	0.01618	0.01542	0.01305
0.290322580645161		0.02225	0.02128	0.01834	0.01577	0.01523	0.01282
0.32258064516129		0.02148	0.02028	0.01821	0.01575	0.01509	0.01254
0.354838709677419		0.02115	0.02009	0.01792	0.01544	0.01509	0.01234
0.387096774193548		0.02106	0.02003	0.01773	0.01544	0.0148	0.01197
0.419354838709677		0.02086	0.01992	0.01756	0.01537	0.01467	0.01193
0.451612903225806		0.02043	0.01962	0.01714	0.01521	0.01421	0.01178
0.483870967741936		0.02019	0.01945	0.0167	0.01495	0.01402	0.01176
0.516129032258065		0.01967	0.01891	0.01626	0.01441	0.01397	0.01151
0.548387096774194		0.01918	0.01843	0.0162	0.01411	0.01369	0.0115
0.580645161290323		0.01889	0.01799	0.01616	0.01397	0.01354	0.01149
0.612903225806452		0.01683	0.01666	0.01561	0.01355	0.01285	0.01141
0.645161290322581		0.01664	0.01606	0.01486	0.01342	0.01284	0.01132
0.67741935483871		0.01644	0.01589	0.01437	0.0131	0.01256	0.01131
0.709677419354839		0.01574	0.01518	0.01433	0.01307	0.01245	0.01127
0.741935483870968		0.01555	0.01478	0.0137	0.01277	0.01227	0.01041
0.774193548387097		0.01492	0.01469	0.01327	0.01241	0.01153	0.01029
0.806451612903226		0.01392	0.01362	0.01275	0.01169	0.01132	0.009975
0.838709677419355		0.0135	0.01345	0.01245	0.01112	0.01093	0.009529
0.870967741935484		0.01306	0.0125	0.01159	0.01074	0.01059	0.008085
0.903225806451613		0.01283	0.0123	0.01124	0.009557	0.008761	0.008034
0.935483870967742		0.01197	0.01178	0.01013	0.007816	0.007519	0.004477
0.967741935483871		0.007024	0.006538	0.005106	0.003831	0.003577	0.001565
0.1	0.029136	0.027535	0.023799	0.019679	0.018937	0.01481	

Average of yearly averages: 0.0113681666666667

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	1	integer	See PRZM manual		
Incorporation Depth:	DEPI		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 13:48:06
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	0.000426	0.0004152	0.0003771	0.0003258	0.000315	0.0001453
1962	0.000672	0.0006546	0.0005999	0.0005428	0.000522	0.0003193
1963	0.001092	0.001064	0.000973	0.0008515	0.0007773	0.0004954
1964	0.001029	0.001013	0.0009592	0.0009144	0.0009004	0.0006981
1965	0.0009952	0.000976	0.0009056	0.0008001	0.0007455	0.0005931
1966	0.00168	0.001639	0.001488	0.001318	0.001229	0.000764
1967	0.0009155	0.0009002	0.0008669	0.000783	0.0007626	0.0006476
1968	0.001351	0.001319	0.001244	0.001196	0.001113	0.0007318
1969	0.0009863	0.0009692	0.0009311	0.0008463	0.0008244	0.0006697
1970	0.000656	0.0006536	0.0006397	0.000611	0.0005917	0.0004645
1971	0.0007147	0.0007001	0.0006465	0.0006001	0.0005841	0.000466
1972	0.0008802	0.0008637	0.0008032	0.0007084	0.0006933	0.0005511
1973	0.0005891	0.000585	0.000569	0.00054	0.0005214	0.0004566
1974	0.0005785	0.0005686	0.0005346	0.0005236	0.0005087	0.0003992
1975	0.0004117	0.000407	0.0003983	0.0003829	0.0003692	0.0003396
1976	0.001005	0.0009796	0.0008858	0.0007415	0.0006738	0.0004324
1977	0.0006943	0.0006809	0.000636	0.0005867	0.0005573	0.0004172
1978	0.0007717	0.0007573	0.000728	0.000655	0.0006453	0.0005154
1979	0.0009613	0.000945	0.0008743	0.0007952	0.000779	0.0005899
1980	0.0005165	0.0005143	0.0005053	0.0004867	0.0004733	0.0004238
1981	0.0007311	0.0007146	0.0006617	0.0005878	0.0005422	0.0003666
1982	0.0008771	0.0008568	0.0007934	0.0007278	0.0006836	0.0004746
1983	0.0008035	0.0007866	0.0007268	0.0006363	0.0006232	0.0004915
1984	0.001025	0.001001	0.0009153	0.000792	0.0007443	0.0005511
1985	0.0005909	0.0005822	0.0005498	0.0004968	0.0004787	0.0004434
1986	0.0008524	0.0008327	0.0007878	0.0006781	0.0006255	0.0004233
1987	0.0003944	0.0003926	0.0003854	0.0003739	0.0003644	0.0003174

1988	0.0003981	0.0003906	0.0003634	0.0002989	0.0002799	0.0002461
1989	0.0008427	0.0008216	0.000765	0.0006438	0.000568	0.0003696
1990	0.0004471	0.0004432	0.0004283	0.0004052	0.0003948	0.000336

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.00168	0.001639	0.001488	0.001318	0.001229	0.000764	
0.0645161290322581	0.001351	0.001319	0.001244	0.001196	0.001113	0.0007318	
0.0967741935483871	0.001092	0.001064	0.000973	0.0009144	0.0009004	0.0006981	
0.129032258064516	0.001029	0.001013	0.0009592	0.0008515	0.0008244	0.0006697	
0.161290322580645	0.001025	0.001001	0.0009311	0.0008463	0.000779	0.0006476	
0.193548387096774	0.001005	0.0009796	0.0009153	0.0008001	0.0007773	0.0005931	
0.225806451612903	0.0009952	0.000976	0.0009056	0.0007952	0.0007626	0.0005899	
0.258064516129032	0.0009863	0.0009692	0.0008858	0.000792	0.0007455	0.0005511	
0.290322580645161	0.0009613	0.000945	0.0008743	0.000783	0.0007443	0.0005511	
0.32258064516129	0.0009155	0.0009002	0.0008669	0.0007415	0.0006933	0.0005154	
0.354838709677419	0.0008802	0.0008637	0.0008032	0.0007278	0.0006836	0.0004954	
0.387096774193548	0.0008771	0.0008568	0.0007934	0.0007084	0.0006738	0.0004915	
0.419354838709677	0.0008524	0.0008327	0.0007878	0.0006781	0.0006453	0.0004746	
0.451612903225806	0.0008427	0.0008216	0.000765	0.000655	0.0006255	0.000466	
0.483870967741936	0.0008035	0.0007866	0.000728	0.0006438	0.0006232	0.0004645	
0.516129032258065	0.0007717	0.0007573	0.0007268	0.0006363	0.0005917	0.0004566	
0.548387096774194	0.0007311	0.0007146	0.0006617	0.000611	0.0005841	0.0004434	
0.580645161290323	0.0007147	0.0007001	0.0006465	0.0006001	0.000568	0.0004324	
0.612903225806452	0.0006943	0.0006809	0.0006397	0.0005878	0.0005573	0.0004238	
0.645161290322581	0.000672	0.0006546	0.000636	0.0005867	0.0005422	0.0004233	
0.67741935483871	0.000656	0.0006536	0.0005999	0.0005428	0.000522	0.0004172	
0.709677419354839	0.0005909	0.000585	0.000569	0.00054	0.0005214	0.0003992	
0.741935483870968	0.0005891	0.0005822	0.0005498	0.0005236	0.0005087	0.0003696	
0.774193548387097	0.0005785	0.0005686	0.0005346	0.0004968	0.0004787	0.0003666	
0.806451612903226	0.0005165	0.0005143	0.0005053	0.0004867	0.0004733	0.0003396	
0.838709677419355	0.0004471	0.0004432	0.0004283	0.0004052	0.0003948	0.000336	
0.870967741935484	0.000426	0.0004152	0.0003983	0.0003829	0.0003692	0.0003193	
0.903225806451613	0.0004117	0.000407	0.0003854	0.0003739	0.0003644	0.0003174	
0.935483870967742	0.0003981	0.0003926	0.0003771	0.0003258	0.000315	0.0002461	
0.967741935483871	0.0003944	0.0003906	0.0003634	0.0002989	0.0002799	0.0001453	

0.1	0.0010857	0.0010589	0.00097162	0.00090811	0.0008928	0.00069526

Average of yearly averages: 0.00047132

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	1	integer	See PRZM manual	
Incorporation Depth:	DEPI		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 13:48:06
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	0.001588	0.001486	0.00118	0.0008983	0.0008342	0.0003684
1962	0.002913	0.00276	0.002309	0.001812	0.001745	0.001049
1963	0.00479	0.004505	0.00369	0.002953	0.00263	0.001882
1964	0.006424	0.006118	0.00525	0.004291	0.004053	0.00297
1965	0.004488	0.00433	0.003861	0.003358	0.003163	0.002799
1966	0.008701	0.008216	0.006727	0.005672	0.005188	0.003481
1967	0.004621	0.004469	0.004115	0.003617	0.00357	0.003183
1968	0.006598	0.006267	0.005501	0.005094	0.00473	0.003643
1969	0.005888	0.005664	0.005193	0.004579	0.004432	0.003674
1970	0.003927	0.003892	0.003785	0.003689	0.003615	0.003076
1971	0.004671	0.004504	0.004069	0.00359	0.003471	0.002917
1972	0.005433	0.005221	0.004667	0.004061	0.003898	0.003287
1973	0.003479	0.003457	0.003383	0.003287	0.003223	0.002957
1974	0.005059	0.004858	0.00423	0.003654	0.003512	0.002772
1975	0.002962	0.002897	0.002708	0.002626	0.002584	0.002465
1976	0.006276	0.005942	0.004917	0.003849	0.003521	0.002706
1977	0.003837	0.003715	0.003453	0.003167	0.003013	0.002664
1978	0.003635	0.003517	0.003216	0.002927	0.002953	0.002695
1979	0.004812	0.004634	0.004144	0.003741	0.003693	0.003218
1980	0.003164	0.003153	0.003111	0.003063	0.003011	0.00271
1981	0.00432	0.004133	0.003622	0.00315	0.002893	0.002365
1982	0.004785	0.004573	0.00397	0.003499	0.003281	0.002662
1983	0.004329	0.00418	0.003737	0.003283	0.003259	0.002803
1984	0.005062	0.004862	0.004244	0.003612	0.003439	0.003123
1985	0.003767	0.003655	0.00333	0.003066	0.002925	0.002714
1986	0.004768	0.004573	0.004211	0.003549	0.003331	0.002775
1987	0.00278	0.002742	0.002634	0.002526	0.002495	0.002258
1988	0.0035	0.003345	0.002869	0.002244	0.002069	0.00191
1989	0.006923	0.006627	0.005552	0.004164	0.003642	0.002651
1990	0.003201	0.003142	0.002966	0.002742	0.002709	0.002431

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly

0.032258064516129	0.008701	0.008216	0.006727	0.005672	0.005188	0.003674
0.0645161290322581	0.006923	0.006627	0.005552	0.005094	0.00473	0.003643
0.0967741935483871	0.006598	0.006267	0.005501	0.004579	0.004432	0.003481
0.129032258064516	0.006424	0.006118	0.00525	0.004291	0.004053	0.003287
0.161290322580645	0.006276	0.005942	0.005193	0.004164	0.003898	0.003218
0.193548387096774	0.005888	0.005664	0.004917	0.004061	0.003693	0.003183
0.225806451612903	0.005433	0.005221	0.004667	0.003849	0.003642	0.003123
0.258064516129032	0.005062	0.004862	0.004244	0.003741	0.003615	0.003076
0.290322580645161	0.005059	0.004858	0.00423	0.003689	0.00357	0.00297
0.32258064516129	0.004812	0.004634	0.004211	0.003654	0.003521	0.002957
0.354838709677419	0.00479	0.004573	0.004144	0.003617	0.003512	0.002917
0.387096774193548	0.004785	0.004573	0.004115	0.003612	0.003471	0.002803
0.419354838709677	0.004768	0.004505	0.004069	0.00359	0.003439	0.002799
0.451612903225806	0.004671	0.004504	0.00397	0.003549	0.003331	0.002775
0.483870967741936	0.004621	0.004469	0.003861	0.003499	0.003281	0.002772
0.516129032258065	0.004488	0.00433	0.003785	0.003358	0.003259	0.002714
0.548387096774194	0.004329	0.00418	0.003737	0.003287	0.003223	0.00271
0.580645161290323	0.00432	0.004133	0.00369	0.003283	0.003163	0.002706
0.612903225806452	0.003927	0.003892	0.003622	0.003167	0.003013	0.002695
0.645161290322581	0.003837	0.003715	0.003453	0.00315	0.003011	0.002664
0.67741935483871	0.003767	0.003655	0.003383	0.003066	0.002953	0.002662
0.709677419354839	0.003635	0.003517	0.00333	0.003063	0.002925	0.002651
0.741935483870968	0.0035	0.003457	0.003216	0.002953	0.002893	0.002465
0.774193548387097	0.003479	0.003345	0.003111	0.002927	0.002709	0.002431
0.806451612903226	0.003201	0.003153	0.002966	0.002742	0.00263	0.002365
0.838709677419355	0.003164	0.003142	0.002869	0.002626	0.002584	0.002258
0.870967741935484	0.002962	0.002897	0.002708	0.002526	0.002495	0.00191
0.903225806451613	0.002913	0.00276	0.002634	0.002244	0.002069	0.001882
0.935483870967742	0.00278	0.002742	0.002309	0.001812	0.001745	0.001049
0.967741935483871	0.001588	0.001486	0.00118	0.0008983	0.0008342	0.0003684

0.1	0.0065806	0.0062521	0.0054759	0.0045502	0.0043941	0.0034616

Average of yearly averages: 0.00267361333333333

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	0.04	mg/L			
Kd Kd		mg/L			
Koc Koc	3911	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	1	integer	See PRZM manual		
Incorporation Depth:	DEPI		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 16:06:02
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	0.2665	0.2442	0.1738	0.09628	0.06833	0.02374
1962	0.06293	0.05695	0.04298	0.02578	0.01934	0.007789
1963	0.1041	0.09465	0.06532	0.03362	0.02335	0.01016
1964	0.3088	0.2821	0.2128	0.1141	0.08126	0.02375
1965	0.1756	0.1583	0.1134	0.06119	0.04366	0.01419
1966	0.1897	0.1735	0.1221	0.06727	0.04719	0.01675
1967	0.05851	0.05312	0.04017	0.02533	0.01855	0.009807
1968	0.1826	0.1645	0.1145	0.07023	0.05471	0.01722
1969	0.1785	0.1628	0.1279	0.06719	0.04685	0.01555
1970	0.1861	0.1698	0.1227	0.0707	0.04974	0.01787
1971	0.03252	0.0301	0.02314	0.01008	0.008269	0.003928
1972	0.1113	0.1007	0.07134	0.05516	0.04496	0.01616
1973	0.5757	0.5395	0.4291	0.2317	0.1619	0.04509
1974	0.2897	0.2641	0.1839	0.1225	0.1033	0.02784
1975	0.04454	0.04027	0.0306	0.02237	0.0208	0.009009
1976	0.2663	0.2404	0.1624	0.09254	0.07281	0.02014
1977	0.09679	0.09069	0.07134	0.04265	0.03471	0.01422
1978	0.2954	0.2722	0.1862	0.09408	0.06492	0.01991
1979	0.5067	0.4629	0.3626	0.2172	0.1534	0.04102
1980	0.3922	0.3579	0.2534	0.1363	0.09502	0.03126
1981	0.1018	0.09296	0.07132	0.04144	0.02968	0.009323
1982	0.1817	0.1705	0.1284	0.06783	0.04733	0.02069
1983	0.2547	0.2317	0.1713	0.1168	0.09215	0.02736
1984	0.3519	0.3185	0.2521	0.1327	0.09229	0.02659
1985	0.3202	0.2909	0.1994	0.1024	0.07108	0.02245
1986	0.1722	0.1648	0.1274	0.09104	0.06546	0.01761
1987	0.5271	0.4793	0.3322	0.1702	0.1182	0.0415
1988	0.05243	0.04773	0.03615	0.02347	0.02258	0.01209
1989	0.09547	0.08642	0.06543	0.04499	0.03547	0.01057
1990	0.1047	0.09384	0.0692	0.04501	0.03361	0.01692

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.5757	0.5395	0.4291	0.2317	0.1619	0.04509	
0.0645161290322581	0.5271	0.4793	0.3626	0.2172	0.1534	0.0415	
0.0967741935483871	0.5067	0.4629	0.3322	0.1702	0.1182	0.04102	
0.129032258064516	0.3922	0.3579	0.2534	0.1363	0.1033	0.03126	
0.161290322580645	0.3519	0.3185	0.2521	0.1327	0.09502	0.02784	
0.193548387096774	0.3202	0.2909	0.2128	0.1225	0.09229	0.02736	

0.225806451612903	0.3088	0.2821	0.1994	0.1168	0.09215	0.02659
0.258064516129032	0.2954	0.2722	0.1862	0.1141	0.08126	0.02375
0.290322580645161	0.2897	0.2641	0.1839	0.1024	0.07281	0.02374
0.32258064516129	0.2665	0.2442	0.1738	0.09628	0.07108	0.02245
0.354838709677419	0.2663	0.2404	0.1713	0.09408	0.06833	0.02069
0.387096774193548	0.2547	0.2317	0.1624	0.09254	0.06546	0.02014
0.419354838709677	0.1897	0.1735	0.1284	0.09104	0.06492	0.01991
0.451612903225806	0.1861	0.1705	0.1279	0.0707	0.05471	0.01787
0.483870967741936	0.1826	0.1698	0.1274	0.07023	0.04974	0.01761
0.516129032258065	0.1817	0.1648	0.1227	0.06783	0.04733	0.01722
0.548387096774194	0.1785	0.1645	0.1221	0.06727	0.04719	0.01692
0.580645161290323	0.1756	0.1628	0.1145	0.06719	0.04685	0.01675
0.612903225806452	0.1722	0.1583	0.1134	0.06119	0.04496	0.01616
0.645161290322581	0.1113	0.1007	0.07134	0.05516	0.04366	0.01555
0.67741935483871	0.1047	0.09465	0.07134	0.04501	0.03547	0.01422
0.709677419354839	0.1041	0.09384	0.07132	0.04499	0.03471	0.01419
0.741935483870968	0.1018	0.09296	0.0692	0.04265	0.03361	0.01209
0.774193548387097	0.09679	0.09069	0.06543	0.04144	0.02968	0.01057
0.806451612903226	0.09547	0.08642	0.06532	0.03362	0.02335	0.01016
0.838709677419355	0.06293	0.05695	0.04298	0.02578	0.02258	0.009807
0.870967741935484	0.05851	0.05312	0.04017	0.02533	0.0208	0.009323
0.903225806451613	0.05243	0.04773	0.03615	0.02347	0.01934	0.009009
0.935483870967742	0.04454	0.04027	0.0306	0.02237	0.01855	0.007789
0.967741935483871	0.03252	0.0301	0.02314	0.01008	0.008269	0.003928

0.1	0.49525	0.4524	0.32432	0.16681	0.11671	0.040044

Average of yearly averages: 0.0196835333333333

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	5	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 16:06:02
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	0.03363	0.03115	0.02561	0.01943	0.01384	0.005143
1962	0.0235	0.02209	0.01855	0.01641	0.0155	0.0127
1963	0.02117	0.02004	0.01746	0.01552	0.01482	0.01199
1964	0.04796	0.0448	0.03812	0.02827	0.02636	0.02049
1965	0.05369	0.05018	0.04155	0.03128	0.02927	0.02436
1966	0.04279	0.04047	0.0343	0.02802	0.02717	0.02201
1967	0.0401	0.0376	0.03246	0.02303	0.0215	0.01936
1968	0.05313	0.04945	0.03983	0.03206	0.03112	0.02351
1969	0.04246	0.0404	0.0356	0.02952	0.02739	0.02343
1970	0.03708	0.03528	0.03038	0.02631	0.02618	0.02333
1971	0.03528	0.03357	0.02852	0.02398	0.02266	0.01809
1972	0.05765	0.05502	0.04714	0.04098	0.03628	0.02086
1973	0.07126	0.06773	0.05832	0.04405	0.03901	0.03211
1974	0.05227	0.04976	0.04284	0.03706	0.03617	0.03095
1975	0.03927	0.03813	0.03367	0.02896	0.02848	0.02446
1976	0.05882	0.05468	0.04253	0.03339	0.03143	0.02323
1977	0.03947	0.03808	0.03313	0.02697	0.02801	0.02227
1978	0.07557	0.0703	0.05937	0.03891	0.03252	0.02706
1979	0.06858	0.06469	0.05629	0.04646	0.04256	0.03438
1980	0.05688	0.05381	0.04518	0.03757	0.03468	0.02915
1981	0.04533	0.04244	0.03611	0.02781	0.02481	0.02202
1982	0.06455	0.06206	0.05134	0.03963	0.03557	0.02599
1983	0.06496	0.06117	0.0556	0.04317	0.03738	0.03374
1984	0.05934	0.05632	0.0499	0.04002	0.03679	0.03247
1985	0.04912	0.04661	0.03918	0.03172	0.02996	0.02607
1986	0.07424	0.07089	0.05606	0.04447	0.03636	0.02313
1987	0.08291	0.07916	0.055	0.04822	0.03998	0.0318
1988	0.07888	0.07383	0.06528	0.05	0.04556	0.0364
1989	0.06215	0.05926	0.05224	0.04925	0.0471	0.03626
1990	0.05295	0.05021	0.04356	0.03788	0.03582	0.03112

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.08291	0.07916	0.06528	0.05	0.0471	0.0364	
0.0645161290322581	0.07888	0.07383	0.05937	0.04925	0.04556	0.03626	
0.0967741935483871	0.07557	0.07089	0.05832	0.04822	0.04256	0.03438	
0.129032258064516	0.07424	0.0703	0.05629	0.04646	0.03998	0.03374	
0.161290322580645	0.07126	0.06773	0.05606	0.04447	0.03901	0.03247	
0.193548387096774	0.06858	0.06469	0.0556	0.04405	0.03738	0.03211	
0.225806451612903	0.06496	0.06206	0.055	0.04317	0.03679	0.0318	
0.258064516129032	0.06455	0.06117	0.05224	0.04098	0.03636	0.03112	
0.290322580645161	0.06215	0.05926	0.05134	0.04002	0.03628	0.03095	
0.32258064516129	0.05934	0.05632	0.0499	0.03963	0.03617	0.02915	
0.354838709677419	0.05882	0.05502	0.04714	0.03891	0.03582	0.02706	

0.387096774193548	0.05765	0.05468	0.04518	0.03788	0.03557	0.02607
0.419354838709677	0.05688	0.05381	0.04356	0.03757	0.03468	0.02599
0.451612903225806	0.05369	0.05021	0.04284	0.03706	0.03252	0.02446
0.483870967741936	0.05313	0.05018	0.04253	0.03339	0.03143	0.02436
0.516129032258065	0.05295	0.04976	0.04155	0.03206	0.03112	0.02351
0.548387096774194	0.05227	0.04945	0.03983	0.03172	0.02996	0.02343
0.580645161290323	0.04912	0.04661	0.03918	0.03128	0.02927	0.02333
0.612903225806452	0.04796	0.0448	0.03812	0.02952	0.02848	0.02323
0.645161290322581	0.04533	0.04244	0.03611	0.02896	0.02801	0.02313
0.67741935483871	0.04279	0.04047	0.0356	0.02827	0.02739	0.02227
0.709677419354839	0.04246	0.0404	0.0343	0.02802	0.02717	0.02202
0.741935483870968	0.0401	0.03813	0.03367	0.02781	0.02636	0.02201
0.774193548387097	0.03947	0.03808	0.03313	0.02697	0.02618	0.02086
0.806451612903226	0.03927	0.0376	0.03246	0.02631	0.02481	0.02049
0.838709677419355	0.03708	0.03528	0.03038	0.02398	0.02266	0.01936
0.870967741935484	0.03528	0.03357	0.02852	0.02303	0.0215	0.01809
0.903225806451613	0.03363	0.03115	0.02561	0.01943	0.0155	0.0127
0.935483870967742	0.0235	0.02209	0.01855	0.01641	0.01482	0.01199
0.967741935483871	0.02117	0.02004	0.01746	0.01552	0.01384	0.005143

0.1	0.075437	0.070831	0.058117	0.048044	0.042302	0.034316

Average of yearly averages: 0.0249294333333333

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	5	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 FLTURF513.out
Chemical: MB46513
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.000426	0.0004152	0.0003771	0.0003258	0.000315	0.0001453
1962	0.000672	0.0006546	0.0005999	0.0005428	0.000522	0.0003193
1963	0.001092	0.001064	0.000973	0.0008515	0.0007773	0.0004954
1964	0.001029	0.001013	0.0009592	0.0009144	0.0009004	0.0006981
1965	0.0009952	0.000976	0.0009056	0.0008001	0.0007455	0.0005931
1966	0.00168	0.001639	0.001488	0.001318	0.001229	0.000764
1967	0.0009155	0.0009002	0.0008669	0.000783	0.0007626	0.0006476
1968	0.001351	0.001319	0.001244	0.001196	0.001113	0.0007318
1969	0.0009863	0.0009692	0.0009311	0.0008463	0.0008244	0.0006697
1970	0.000656	0.0006536	0.0006397	0.000611	0.0005917	0.0004645
1971	0.0007147	0.0007001	0.0006465	0.0006001	0.0005841	0.000466
1972	0.0008802	0.0008637	0.0008032	0.0007084	0.0006933	0.0005511
1973	0.0005891	0.000585	0.000569	0.00054	0.0005214	0.0004566
1974	0.0005785	0.0005686	0.0005346	0.0005236	0.0005087	0.0003992
1975	0.0004117	0.000407	0.0003983	0.0003829	0.0003692	0.0003396
1976	0.001005	0.0009796	0.0008858	0.0007415	0.0006738	0.0004324
1977	0.0006943	0.0006809	0.000636	0.0005867	0.0005573	0.0004172
1978	0.0007717	0.0007573	0.000728	0.000655	0.0006453	0.0005154
1979	0.0009613	0.000945	0.0008743	0.0007952	0.000779	0.0005899
1980	0.0005165	0.0005143	0.0005053	0.0004867	0.0004733	0.0004238
1981	0.0007311	0.0007146	0.0006617	0.0005878	0.0005422	0.0003666
1982	0.0008771	0.0008568	0.0007934	0.0007278	0.0006836	0.0004746
1983	0.0008035	0.0007866	0.0007268	0.0006363	0.0006232	0.0004915
1984	0.001025	0.001001	0.0009153	0.000792	0.0007443	0.0005511
1985	0.0005909	0.0005822	0.0005498	0.0004968	0.0004787	0.0004434
1986	0.0008524	0.0008327	0.0007878	0.0006781	0.0006255	0.0004233
1987	0.0003944	0.0003926	0.0003854	0.0003739	0.0003644	0.0003174
1988	0.0003981	0.0003906	0.0003634	0.0002989	0.0002799	0.0002461
1989	0.0008427	0.0008216	0.000765	0.0006438	0.000568	0.0003696
1990	0.0004471	0.0004432	0.0004283	0.0004052	0.0003948	0.000336

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.00168	0.001639	0.001488	0.001318	0.001229	0.000764	
0.0645161290322581	0.001351	0.001319	0.001244	0.001196	0.001113	0.0007318	
0.0967741935483871	0.001092	0.001064	0.000973	0.0009144	0.0009004	0.0006981	
0.129032258064516	0.001029	0.001013	0.0009592	0.0008515	0.0008244	0.0006697	
0.161290322580645	0.001025	0.001001	0.0009311	0.0008463	0.000779	0.0006476	
0.193548387096774	0.001005	0.0009796	0.0009153	0.0008001	0.0007773	0.0005931	
0.225806451612903	0.0009952	0.000976	0.0009056	0.0007952	0.0007626	0.0005899	
0.258064516129032	0.0009863	0.0009692	0.0008858	0.000792	0.0007455	0.0005511	
0.290322580645161	0.0009613	0.000945	0.0008743	0.000783	0.0007443	0.0005511	
0.32258064516129	0.0009155	0.0009002	0.0008669	0.0007415	0.0006933	0.0005154	
0.354838709677419	0.0008802	0.0008637	0.0008032	0.0007278	0.0006836	0.0004954	
0.387096774193548	0.0008771	0.0008568	0.0007934	0.0007084	0.0006738	0.0004915	
0.419354838709677	0.0008524	0.0008327	0.0007878	0.0006781	0.0006453	0.0004746	
0.451612903225806	0.0008427	0.0008216	0.000765	0.000655	0.0006255	0.000466	
0.483870967741936	0.0008035	0.0007866	0.000728	0.0006438	0.0006232	0.0004645	
0.516129032258065	0.0007717	0.0007573	0.0007268	0.0006363	0.0005917	0.0004566	
0.548387096774194	0.0007311	0.0007146	0.0006617	0.000611	0.0005841	0.0004434	

0.580645161290323	0.0007147	0.0007001	0.0006465	0.0006001	0.000568	0.0004324
0.612903225806452	0.0006943	0.0006809	0.0006397	0.0005878	0.0005573	0.0004238
0.645161290322581	0.000672	0.0006546	0.000636	0.0005867	0.0005422	0.0004233
0.67741935483871	0.000656	0.0006536	0.0005999	0.0005428	0.000522	0.0004172
0.709677419354839	0.0005909	0.000585	0.000569	0.00054	0.0005214	0.0003992
0.741935483870968	0.0005891	0.0005822	0.0005498	0.0005236	0.0005087	0.0003696
0.774193548387097	0.0005785	0.0005686	0.0005346	0.0004968	0.0004787	0.0003666
0.806451612903226	0.0005165	0.0005143	0.0005053	0.0004867	0.0004733	0.0003396
0.838709677419355	0.0004471	0.0004432	0.0004283	0.0004052	0.0003948	0.000336
0.870967741935484	0.000426	0.0004152	0.0003983	0.0003829	0.0003692	0.0003193
0.903225806451613	0.0004117	0.000407	0.0003854	0.0003739	0.0003644	0.0003174
0.935483870967742	0.0003981	0.0003926	0.0003771	0.0003258	0.000315	0.0002461
0.967741935483871	0.0003944	0.0003906	0.0003634	0.0002989	0.0002799	0.0001453

0.1	0.0010857	0.0010589	0.00097162	0.00090811	0.0008928	0.00069526

Average of yearly averages: 0.00047132

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	1	integer	See PRZM manual		
Incorporation Depth:	DEPI		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)		

IN-FURROW CORN_MB950

stored as FLTURF950.out
Chemical: MB45950
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.001588	0.001486	0.00118	0.0008983	0.0008342	0.0003684
1962	0.002913	0.00276	0.002309	0.001812	0.001745	0.001049
1963	0.00479	0.004505	0.00369	0.002953	0.00263	0.001882
1964	0.006424	0.006118	0.00525	0.004291	0.004053	0.00297
1965	0.004488	0.00433	0.003861	0.003358	0.003163	0.002799
1966	0.008701	0.008216	0.006727	0.005672	0.005188	0.003481
1967	0.004621	0.004469	0.004115	0.003617	0.00357	0.003183
1968	0.006598	0.006267	0.005501	0.005094	0.00473	0.003643
1969	0.005888	0.005664	0.005193	0.004579	0.004432	0.003674
1970	0.003927	0.003892	0.003785	0.003689	0.003615	0.003076
1971	0.004671	0.004504	0.004069	0.00359	0.003471	0.002917
1972	0.005433	0.005221	0.004667	0.004061	0.003898	0.003287
1973	0.003479	0.003457	0.003383	0.003287	0.003223	0.002957
1974	0.005059	0.004858	0.00423	0.003654	0.003512	0.002772
1975	0.002962	0.002897	0.002708	0.002626	0.002584	0.002465
1976	0.006276	0.005942	0.004917	0.003849	0.003521	0.002706
1977	0.003837	0.003715	0.003453	0.003167	0.003013	0.002664
1978	0.003635	0.003517	0.003216	0.002927	0.002953	0.002695
1979	0.004812	0.004634	0.004144	0.003741	0.003693	0.003218
1980	0.003164	0.003153	0.003111	0.003063	0.003011	0.00271
1981	0.00432	0.004133	0.003622	0.00315	0.002893	0.002365
1982	0.004785	0.004573	0.00397	0.003499	0.003281	0.002662
1983	0.004329	0.00418	0.003737	0.003283	0.003259	0.002803
1984	0.005062	0.004862	0.004244	0.003612	0.003439	0.003123
1985	0.003767	0.003655	0.00333	0.003066	0.002925	0.002714
1986	0.004768	0.004573	0.004211	0.003549	0.003331	0.002775
1987	0.00278	0.002742	0.002634	0.002526	0.002495	0.002258
1988	0.0035	0.003345	0.002869	0.002244	0.002069	0.00191
1989	0.006923	0.006627	0.005552	0.004164	0.003642	0.002651
1990	0.003201	0.003142	0.002966	0.002742	0.002709	0.002431

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.008701	0.008216	0.006727	0.005672	0.005188	0.003674	
0.064516129032258	0.006923	0.006627	0.005552	0.005094	0.00473	0.003643	
0.096774193548387	0.006598	0.006267	0.005501	0.004579	0.004432	0.003481	
0.129032258064516	0.006424	0.006118	0.00525	0.004291	0.004053	0.003287	
0.161290322580645	0.006276	0.005942	0.005193	0.004164	0.003898	0.003218	
0.193548387096774	0.005888	0.005664	0.004917	0.004061	0.003693	0.003183	
0.225806451612903	0.005433	0.005221	0.004667	0.003849	0.003642	0.003123	
0.258064516129032	0.005062	0.004862	0.004244	0.003741	0.003615	0.003076	
0.290322580645161	0.005059	0.004858	0.00423	0.003689	0.00357	0.00297	
0.32258064516129	0.004812	0.004634	0.004211	0.003654	0.003521	0.002957	
0.354838709677419	0.00479	0.004573	0.004144	0.003617	0.003512	0.002917	
0.387096774193548	0.004785	0.004573	0.004115	0.003612	0.003471	0.002803	
0.419354838709677	0.004768	0.004505	0.004069	0.00359	0.003439	0.002799	
0.451612903225806	0.004671	0.004504	0.00397	0.003549	0.003331	0.002775	
0.483870967741936	0.004621	0.004469	0.003861	0.003499	0.003281	0.002772	
0.516129032258065	0.004488	0.00433	0.003785	0.003358	0.003259	0.002714	
0.548387096774194	0.004329	0.00418	0.003737	0.003287	0.003223	0.00271	
0.580645161290323	0.00432	0.004133	0.00369	0.003283	0.003163	0.002706	
0.612903225806452	0.003927	0.003892	0.003622	0.003167	0.003013	0.002695	
0.645161290322581	0.003837	0.003715	0.003453	0.00315	0.003011	0.002664	
0.67741935483871	0.003767	0.003655	0.003383	0.003066	0.002953	0.002662	
0.709677419354839	0.003635	0.003517	0.00333	0.003063	0.002925	0.002651	
0.741935483870968	0.0035	0.003457	0.003216	0.002953	0.002893	0.002465	

0.774193548387097	0.003479	0.003345	0.003111	0.002927	0.002709	0.002431
0.806451612903226	0.003201	0.003153	0.002966	0.002742	0.00263	0.002365
0.838709677419355	0.003164	0.003142	0.002869	0.002626	0.002584	0.002258
0.870967741935484	0.002962	0.002897	0.002708	0.002526	0.002495	0.00191
0.903225806451613	0.002913	0.00276	0.002634	0.002244	0.002069	0.001882
0.935483870967742	0.00278	0.002742	0.002309	0.001812	0.001745	0.001049
0.967741935483871	0.001588	0.001486	0.00118	0.0008983	0.0008342	0.0003684

0.1	0.0065806	0.0062521	0.0054759	0.0045502	0.0043941	0.0034616

Average of yearly averages: 0.00267361333333333

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	0.04		mg/L		
Kd Kd			mg/L		
Koc Koc	3911		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	1	integer	See PRZM manual		
Incorporation Depth:	DEPI		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)		

TEXAS LEAFCUTTER ANT_FIPRONIL

stored as FLFIP.out
Chemical: Fipronil
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.00805	0.007323	0.005433	0.003146	0.002519	0.0007252
1962	0.009743	0.008814	0.006116	0.004879	0.003689	0.0009755
1963	0.01605	0.01449	0.01026	0.006182	0.005093	0.001407
1964	0.02337	0.02121	0.01684	0.008909	0.007387	0.002105
1965	0.01436	0.01305	0.009364	0.005364	0.00382	0.0009909
1966	0.01698	0.01541	0.01234	0.00884	0.008035	0.0022
1967	0.006848	0.00622	0.004572	0.00324	0.002855	0.0008309
1968	0.0245	0.02228	0.01656	0.009941	0.007199	0.001853
1969	0.006639	0.005978	0.005193	0.003605	0.0026	0.0009679
1970	0.0007081	0.0006402	0.0004329	0.0003154	0.0002353	8.663e-005
1971	0.009493	0.008607	0.005877	0.003284	0.00294	0.0009741
1972	0.01169	0.01072	0.007514	0.004219	0.003391	0.001099
1973	0.002259	0.002044	0.001564	0.001173	0.0008864	0.0002451
1974	0.004606	0.004183	0.003372	0.002392	0.001975	0.0005432
1975	0.00514	0.004687	0.003365	0.001795	0.001679	0.0005073
1976	0.01193	0.01086	0.008125	0.006273	0.004665	0.001213
1977	0.004824	0.004345	0.003081	0.002525	0.001862	0.0007059
1978	0.01829	0.01657	0.0113	0.006985	0.005743	0.001602
1979	0.01941	0.01774	0.01216	0.006294	0.00528	0.001474
1980	0.002961	0.002682	0.001934	0.001456	0.001278	0.0003672
1981	0.005044	0.004549	0.003838	0.002266	0.001861	0.0006097
1982	0.01303	0.01177	0.008136	0.004721	0.00376	0.001079
1983	0.01183	0.01072	0.007965	0.00469	0.003513	0.001013
1984	0.02284	0.02075	0.01427	0.007577	0.005499	0.001447
1985	0.004568	0.004116	0.002763	0.00151	0.001669	0.0005027
1986	0.008489	0.007642	0.005669	0.004156	0.002998	0.0007694
1987	0.001398	0.00126	0.0008376	0.0004534	0.0004487	0.0001787
1988	0.002249	0.002029	0.001369	0.0007086	0.000542	0.0002528
1989	0.004525	0.004088	0.002852	0.001456	0.001014	0.0005134
1990	0.001453	0.001306	0.000869	0.0005967	0.0004901	0.0001621

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.0245	0.02228	0.01684	0.009941	0.008035	0.0022	
0.0645161290322581	0.02337	0.02121	0.01656	0.008909	0.007387	0.002105	
0.0967741935483871	0.02284	0.02075	0.01427	0.00884	0.007199	0.001853	
0.129032258064516	0.01941	0.01774	0.01234	0.007577	0.005743	0.001602	
0.161290322580645	0.01829	0.01657	0.01216	0.006985	0.005499	0.001474	
0.193548387096774	0.01698	0.01541	0.0113	0.006294	0.00528	0.001447	
0.225806451612903	0.01605	0.01449	0.01026	0.006273	0.005093	0.001407	
0.258064516129032	0.01436	0.01305	0.009364	0.006182	0.004665	0.001213	
0.290322580645161	0.01303	0.01177	0.008136	0.005364	0.00382	0.001099	
0.32258064516129	0.01193	0.01086	0.008125	0.004879	0.00376	0.001079	
0.354838709677419	0.01183	0.01072	0.007965	0.004721	0.003689	0.001013	
0.387096774193548	0.01169	0.01072	0.007514	0.00469	0.003513	0.0009909	
0.419354838709677	0.009743	0.008814	0.006116	0.004219	0.003391	0.0009755	
0.451612903225806	0.009493	0.008607	0.005877	0.004156	0.002998	0.0009741	
0.483870967741936	0.008489	0.007642	0.005669	0.003605	0.00294	0.0009679	
0.516129032258065	0.00805	0.007323	0.005433	0.003284	0.002855	0.0008309	
0.548387096774194	0.006848	0.00622	0.005193	0.00324	0.0026	0.0007694	
0.580645161290323	0.006639	0.005978	0.004572	0.003146	0.002519	0.0007252	
0.612903225806452	0.00514	0.004687	0.003838	0.002525	0.001975	0.0007059	
0.645161290322581	0.005044	0.004549	0.003372	0.002392	0.001862	0.0006097	
0.67741935483871	0.004824	0.004345	0.003365	0.002266	0.001861	0.0005432	
0.709677419354839	0.004606	0.004183	0.003081	0.001795	0.001679	0.0005134	
0.741935483870968	0.004568	0.004116	0.002852	0.00151	0.001669	0.0005073	
0.774193548387097	0.004525	0.004088	0.002763	0.001456	0.001278	0.0005027	
0.806451612903226	0.002961	0.002682	0.001934	0.001456	0.001014	0.0003672	
0.838709677419355	0.002259	0.002044	0.001564	0.001173	0.0008864	0.0002528	
0.870967741935484	0.002249	0.002029	0.001369	0.0007086	0.000542	0.0002451	

0.903225806451613	0.001453	0.001306	0.000869	0.0005967	0.0004901	0.0001787
0.935483870967742	0.001398	0.00126	0.0008376	0.0004534	0.0004487	0.0001621
0.967741935483871	0.0007081	0.0006402	0.0004329	0.0003154	0.0002353	8.663e-005

0.1	0.022497	0.020449	0.014077	0.0087137	0.0070534	0.0018279

Average of yearly averages: 0.000913354333333333

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

Data used for this run:
Output File: FLFIP
Metfile: w12834.dvf
PRZM scenario: FLturfC.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	1	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	0.003	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)	

stored as FLTF136.out
Chemical: MB46136
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.001703	0.001585	0.001238	0.0009287	0.0008671	0.0003795
1962	0.003165	0.002982	0.002456	0.001895	0.001823	0.001085
1963	0.005208	0.004871	0.003927	0.003096	0.002744	0.00196
1964	0.007032	0.006663	0.005635	0.004549	0.004279	0.003108
1965	0.004768	0.004584	0.004049	0.003494	0.003282	0.002902
1966	0.009421	0.008848	0.007126	0.005959	0.005426	0.003612
1967	0.004894	0.004715	0.004297	0.003742	0.003692	0.003276
1968	0.007066	0.006677	0.005785	0.005307	0.004912	0.003763
1969	0.006304	0.006038	0.005478	0.004795	0.004626	0.003796
1970	0.004079	0.004039	0.003918	0.003817	0.003739	0.003164
1971	0.004953	0.004756	0.004256	0.003727	0.003588	0.002992
1972	0.005837	0.005597	0.004938	0.004242	0.004059	0.003394
1973	0.003617	0.003562	0.003485	0.003387	0.003319	0.00304
1974	0.005464	0.00522	0.004475	0.003823	0.003659	0.002851
1975	0.003109	0.003031	0.002809	0.002695	0.00265	0.002525
1976	0.006799	0.006401	0.005206	0.004016	0.003658	0.002789
1977	0.004035	0.003893	0.003601	0.003286	0.003114	0.002745
1978	0.003815	0.00368	0.003321	0.003009	0.003046	0.002767
1979	0.005128	0.004917	0.004344	0.003922	0.003864	0.003337
1980	0.003274	0.003262	0.003218	0.00317	0.003115	0.00279
1981	0.00458	0.004362	0.003783	0.003254	0.002975	0.002418
1982	0.005106	0.004856	0.004154	0.003624	0.003386	0.002731
1983	0.00465	0.004469	0.003942	0.00342	0.003398	0.002891
1984	0.005394	0.005159	0.004445	0.003744	0.003557	0.003231
1985	0.003986	0.003852	0.003474	0.003177	0.003019	0.002784
1986	0.005056	0.004828	0.004414	0.003686	0.003445	0.002856
1987	0.002901	0.002856	0.002725	0.002603	0.002567	0.00231
1988	0.003769	0.003581	0.003017	0.002317	0.002124	0.001948
1989	0.007609	0.007244	0.005956	0.004374	0.003803	0.002741
1990	0.003375	0.003303	0.003092	0.002834	0.002794	0.002495

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.009421	0.008848	0.007126	0.005959	0.005426	0.003796	
0.0645161290322581	0.007609	0.007244	0.005956	0.005307	0.004912	0.003763	
0.0967741935483871	0.007066	0.006677	0.005785	0.004795	0.004626	0.003612	
0.129032258064516	0.007032	0.006663	0.005635	0.004549	0.004279	0.003394	
0.161290322580645	0.006799	0.006401	0.005478	0.004374	0.004059	0.003337	
0.193548387096774	0.006304	0.006038	0.005206	0.004242	0.003864	0.003276	
0.225806451612903	0.005837	0.005597	0.004938	0.004016	0.003803	0.003231	
0.258064516129032	0.005464	0.00522	0.004475	0.003922	0.003739	0.003164	
0.290322580645161	0.005394	0.005159	0.004445	0.003823	0.003692	0.003108	
0.32258064516129	0.005208	0.004917	0.004414	0.003817	0.003659	0.00304	
0.354838709677419	0.005128	0.004871	0.004344	0.003744	0.003658	0.002992	
0.387096774193548	0.005106	0.004856	0.004297	0.003742	0.003588	0.002902	
0.419354838709677	0.005056	0.004828	0.004256	0.003727	0.003557	0.002891	
0.451612903225806	0.004953	0.004756	0.004154	0.003686	0.003445	0.002856	
0.483870967741936	0.004894	0.004715	0.004049	0.003624	0.003398	0.002851	
0.516129032258065	0.004768	0.004584	0.003942	0.003494	0.003386	0.00279	
0.548387096774194	0.00465	0.004469	0.003927	0.00342	0.003319	0.002789	
0.580645161290323	0.00458	0.004362	0.003918	0.003387	0.003282	0.002784	
0.612903225806452	0.004079	0.004039	0.003783	0.003286	0.003115	0.002767	
0.645161290322581	0.004035	0.003893	0.003601	0.003254	0.003114	0.002745	
0.67741935483871	0.003986	0.003852	0.003485	0.003177	0.003046	0.002741	
0.709677419354839	0.003815	0.00368	0.003474	0.00317	0.003019	0.002731	
0.741935483870968	0.003769	0.003581	0.003321	0.003096	0.002975	0.002525	
0.774193548387097	0.003617	0.003562	0.003218	0.003009	0.002794	0.002495	
0.806451612903226	0.003375	0.003303	0.003092	0.002834	0.002744	0.002418	
0.838709677419355	0.003274	0.003262	0.003017	0.002695	0.00265	0.00231	
0.870967741935484	0.003165	0.003031	0.002809	0.002603	0.002567	0.00196	
0.903225806451613	0.003109	0.002982	0.002725	0.002317	0.002124	0.001948	
0.935483870967742	0.002901	0.002856	0.002456	0.001895	0.001823	0.001085	
0.967741935483871	0.001703	0.001585	0.001238	0.0009287	0.0008671	0.0003795	
0.1	0.0070626	0.0066756	0.00577	0.0047704	0.0045913	0.0035902	

Average of yearly averages: 0.00275601666666667

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

Data used for this run:
Output File: FLTF136
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	1	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	0.0008	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 FLTF513.out
Chemical: MB46513
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.0001278	0.0001246	0.0001131	9.774e-005		9.45e-005	4.359e-005
1962	0.0002016	0.0001964	0.00018	0.0001628	0.0001566	9.578e-005	
1963	0.0003276	0.0003192	0.0002919	0.0002554	0.0002332	0.0001486	
1964	0.0003088	0.000304	0.0002878	0.0002743	0.0002701	0.0002094	
1965	0.0002986	0.0002928	0.0002717	0.0002401	0.0002237	0.0001779	
1966	0.0005041	0.0004917	0.0004464	0.0003954	0.0003686	0.0002292	
1967	0.0002747	0.0002701	0.0002601	0.0002349	0.0002288	0.0001943	
1968	0.0004055	0.0003956	0.0003731	0.0003587	0.000334	0.0002195	
1969	0.0002959	0.0002908	0.0002793	0.0002539	0.0002473	0.0002009	
1970	0.0001968	0.0001961	0.0001919	0.0001833	0.0001775	0.0001393	
1971	0.0002144	0.00021	0.0001939	0.00018	0.0001752	0.0001398	
1972	0.000264	0.0002591	0.0002409	0.0002125	0.000208	0.0001653	
1973	0.0001767	0.0001755	0.0001707	0.000162	0.0001564	0.000137	
1974	0.0001735	0.0001706	0.0001604	0.0001571	0.0001526	0.0001197	
1975	0.0001235	0.0001221	0.0001195	0.0001149	0.0001108	0.0001019	
1976	0.0003017	0.0002939	0.0002658	0.0002225	0.0002022	0.0001297	
1977	0.0002083	0.0002043	0.0001908	0.000176	0.0001672	0.0001252	
1978	0.0002315	0.0002272	0.0002184	0.0001965	0.0001936	0.0001546	
1979	0.0002884	0.0002835	0.0002623	0.0002385	0.0002337	0.000177	
1980	0.0001549	0.0001543	0.0001516	0.000146	0.000142	0.0001272	
1981	0.0002193	0.0002144	0.0001985	0.0001764	0.0001627	0.00011	
1982	0.0002632	0.0002571	0.0002381	0.0002184	0.0002051	0.0001424	
1983	0.0002411	0.000236	0.000218	0.0001909	0.000187	0.0001475	
1984	0.0003075	0.0003004	0.0002746	0.0002376	0.0002233	0.0001653	
1985	0.0001773	0.0001747	0.000165	0.0001491	0.0001436	0.000133	
1986	0.0002557	0.0002498	0.0002364	0.0002034	0.0001877	0.000127	
1987	0.0001183	0.0001178	0.0001156	0.0001122	0.0001093	9.523e-005	
1988	0.0001194	0.0001172	0.000109	8.966e-005		8.398e-005	7.383e-005
1989	0.0002529	0.0002465	0.0002295	0.0001932	0.0001704	0.0001109	
1990	0.0001341	0.000133	0.0001285	0.0001216	0.0001184	0.0001008	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.0005041	0.0004917	0.0004464	0.0003954	0.0003686	0.0002292	
0.0645161290322581	0.0004055	0.0003956	0.0003731	0.0003587	0.000334	0.0002195	
0.0967741935483871	0.0003276	0.0003192	0.0002919	0.0002743	0.0002701	0.0002094	
0.129032258064516	0.0003088	0.000304	0.0002878	0.0002554	0.0002473	0.0002009	
0.161290322580645	0.0003075	0.0003004	0.0002793	0.0002539	0.0002337	0.0001943	
0.193548387096774	0.0003017	0.0002939	0.0002746	0.0002401	0.0002332	0.0001779	
0.225806451612903	0.0002986	0.0002928	0.0002717	0.0002385	0.0002288	0.000177	
0.258064516129032	0.0002959	0.0002908	0.0002658	0.0002376	0.0002237	0.0001653	
0.290322580645161	0.0002884	0.0002835	0.0002623	0.0002349	0.0002233	0.0001653	
0.32258064516129	0.0002747	0.0002701	0.0002601	0.0002225	0.000208	0.0001546	
0.354838709677419	0.000264	0.0002591	0.0002409	0.0002184	0.0002051	0.0001486	
0.387096774193548	0.0002632	0.0002571	0.0002381	0.0002125	0.0002022	0.0001475	
0.419354838709677	0.0002557	0.0002498	0.0002364	0.0002034	0.0001936	0.0001424	
0.451612903225806	0.0002529	0.0002465	0.0002295	0.0001965	0.0001877	0.0001398	
0.483870967741936	0.0002411	0.000236	0.0002184	0.0001932	0.000187	0.0001393	
0.516129032258065	0.0002315	0.0002272	0.000218	0.0001909	0.0001775	0.000137	
0.548387096774194	0.0002193	0.0002144	0.0001985	0.0001833	0.0001752	0.000133	
0.580645161290323	0.0002144	0.00021	0.0001939	0.00018	0.0001704	0.0001297	
0.612903225806452	0.0002083	0.0002043	0.0001919	0.0001764	0.0001672	0.0001272	
0.645161290322581	0.0002016	0.0001964	0.0001908	0.000176	0.0001627	0.000127	
0.67741935483871	0.0001968	0.0001961	0.00018	0.0001628	0.0001566	0.0001252	
0.709677419354839	0.0001773	0.0001755	0.0001707	0.000162	0.0001564	0.0001197	
0.741935483870968	0.0001767	0.0001747	0.000165	0.0001571	0.0001526	0.0001109	
0.774193548387097	0.0001735	0.0001706	0.0001604	0.0001491	0.0001436	0.00011	
0.806451612903226	0.0001549	0.0001543	0.0001516	0.000146	0.000142	0.0001019	
0.838709677419355	0.0001341	0.000133	0.0001285	0.0001216	0.0001184	0.0001008	
0.870967741935484	0.0001278	0.0001246	0.0001195	0.0001149	0.0001108	9.578e-005	
0.903225806451613	0.0001235	0.0001221	0.0001156	0.0001122	0.0001093	9.523e-005	
0.935483870967742	0.0001194	0.0001178	0.0001131	9.774e-005		9.45e-005	7.383e-005
0.967741935483871	0.0001183	0.0001172	0.000109	8.966e-005		8.398e-005	4.359e-005

0.1	0.00032572	0.00031768	0.00029149	0.00027241	0.00026782	0.00020855

Average of yearly averages: 0.000141394333333333

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

Data used for this run:
Output File: FLTF513
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	1	integer	See PRZM manual		
Incorporation Depth:	DEPI		cm		
Application Rate:	TAPP	3E-5	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 FLTF950.out
Chemical: MB45950
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.0004536	0.0004244	0.0003372	0.0002566	0.0002383	0.0001053
1962	0.0008324	0.0007885	0.0006599	0.0005179	0.0004987	0.0002999

1963	0.001368	0.001287	0.001054	0.0008436	0.0007513	0.0005377
1964	0.001835	0.001748	0.0015	0.001226	0.001158	0.0008485
1965	0.001282	0.001237	0.001103	0.0009595	0.0009035	0.0007998
1966	0.002486	0.002347	0.001922	0.00162	0.001482	0.0009945
1967	0.00132	0.001277	0.001176	0.001034	0.00102	0.0009093
1968	0.001885	0.00179	0.001572	0.001455	0.001351	0.001041
1969	0.001682	0.001618	0.001484	0.001308	0.001266	0.00105
1970	0.001122	0.001112	0.001081	0.001054	0.001033	0.000879
1971	0.001334	0.001287	0.001162	0.001026	0.0009916	0.0008334
1972	0.001552	0.001492	0.001333	0.00116	0.001114	0.0009392
1973	0.000994	0.0009877	0.0009665	0.0009391	0.0009208	0.0008448
1974	0.001446	0.001388	0.001209	0.001044	0.001004	0.0007919
1975	0.0008462	0.0008275	0.0007736	0.0007504	0.0007383	0.0007042
1976	0.001793	0.001697	0.001405	0.0011	0.001006	0.000773
1977	0.001096	0.001061	0.0009865	0.0009047	0.0008608	0.0007611
1978	0.001039	0.001005	0.000919	0.0008365	0.0008437	0.0007701
1979	0.001375	0.001324	0.001184	0.001069	0.001055	0.0009194
1980	0.0009042	0.0009009	0.0008889	0.0008751	0.0008604	0.0007744
1981	0.001234	0.001181	0.001035	0.0008999	0.0008267	0.0006757
1982	0.001367	0.001306	0.001134	0.0009997	0.0009375	0.0007605
1983	0.001237	0.001194	0.001068	0.0009381	0.0009313	0.0008008
1984	0.001446	0.001389	0.001213	0.001032	0.0009824	0.0008921
1985	0.001076	0.001044	0.0009513	0.0008759	0.0008356	0.0007754
1986	0.001362	0.001307	0.001203	0.001014	0.0009518	0.0007927
1987	0.0007942	0.0007836	0.0007525	0.0007218	0.0007129	0.0006452
1988	0.001	0.0009557	0.0008197	0.0006411	0.0005911	0.0005458
1989	0.001978	0.001894	0.001587	0.00119	0.001041	0.0007573
1990	0.0009147	0.0008977	0.0008473	0.0007834	0.0007741	0.0006947

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.002486	0.002347	0.001922	0.00162	0.001482	0.00105	
0.0645161290322581	0.001978	0.001894	0.001587	0.001455	0.001351	0.001041	
0.0967741935483871	0.001885	0.00179	0.001572	0.001308	0.001266	0.0009945	
0.129032258064516	0.001835	0.001748	0.0015	0.001226	0.001158	0.0009392	
0.161290322580645	0.001793	0.001697	0.001484	0.00119	0.001114	0.0009194	
0.193548387096774	0.001682	0.001618	0.001405	0.00116	0.001055	0.0009093	
0.225806451612903	0.001552	0.001492	0.001333	0.0011	0.001041	0.0008921	
0.258064516129032	0.001446	0.001389	0.001213	0.001069	0.001033	0.000879	
0.290322580645161	0.001446	0.001388	0.001209	0.001054	0.00102	0.0008485	
0.32258064516129	0.001375	0.001324	0.001203	0.001044	0.001006	0.0008448	
0.354838709677419	0.001368	0.001307	0.001184	0.001034	0.001004	0.0008334	
0.387096774193548	0.001367	0.001306	0.001176	0.001032	0.0009916	0.0008008	
0.419354838709677	0.001362	0.001287	0.001162	0.001026	0.0009824	0.0007998	
0.451612903225806	0.001334	0.001287	0.001134	0.001014	0.0009518	0.0007927	
0.483870967741936	0.00132	0.001277	0.001103	0.0009997	0.0009375	0.0007919	
0.516129032258065	0.001282	0.001237	0.001081	0.0009595	0.0009313	0.0007754	
0.548387096774194	0.001237	0.001194	0.001068	0.0009391	0.0009208	0.0007744	
0.580645161290323	0.001234	0.001181	0.001054	0.0009381	0.0009035	0.000773	
0.612903225806452	0.001122	0.001112	0.001035	0.0009047	0.0008608	0.0007701	
0.645161290322581	0.001096	0.001061	0.0009865	0.0008999	0.0008604	0.0007611	
0.67741935483871	0.001076	0.001044	0.0009665	0.0008759	0.0008437	0.0007605	
0.709677419354839	0.001039	0.001005	0.0009513	0.0008751	0.0008356	0.0007573	
0.741935483870968	0.001	0.0009877	0.000919	0.0008436	0.0008267	0.0007042	
0.774193548387097	0.000994	0.0009557	0.0008889	0.0008365	0.0007741	0.0006947	
0.806451612903226	0.0009147	0.0009009	0.0008473	0.0007834	0.0007513	0.0006757	
0.838709677419355	0.0009042	0.0008977	0.0008197	0.0007504	0.0007383	0.0006452	
0.870967741935484	0.0008462	0.0008275	0.0007736	0.0007218	0.0007129	0.0005458	
0.903225806451613	0.0008324	0.0007885	0.0007525	0.0006411	0.0005911	0.0005377	
0.935483870967742	0.0007942	0.0007836	0.0006599	0.0005179	0.0004987	0.0002999	
0.967741935483871	0.0004536	0.0004244	0.0003372	0.0002566	0.0002383	0.0001053	

0.1	0.00188	0.0017858	0.0015648	0.0012998	0.0012552	0.00098897

Average of yearly averages: 0.00076389

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

Data used for this run:
Output File: FLTF950
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	0.04	mg/L			
Kd	Kd		mg/L			
Koc	Koc	3911	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	1	integer	See PRZM manual		
Incorporation Depth:		DEPI		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)		

MOLECRICKET_FIPRONIL

stored as FLMOLEFIP.out
Chemical: Fipronil
PRZM environment: FLturfC.txt modified Monday, 16 June 2003 at 13:48:06
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	0.008386	0.007561	0.005095	0.002959	0.002157	0.0006465
1962	0.00518	0.004757	0.003321	0.002303	0.00177	0.0004653
1963	0.008052	0.007273	0.005674	0.003106	0.002898	0.0008818
1964	0.02075	0.01893	0.01368	0.007145	0.005228	0.001628
1965	0.004766	0.00456	0.003715	0.002153	0.001575	0.0004105
1966	0.01276	0.01189	0.009165	0.004857	0.004295	0.001514
1967	0.02256	0.02048	0.01453	0.00776	0.006171	0.00174
1968	0.004699	0.004362	0.003097	0.001952	0.001543	0.0004665
1969	0.004587	0.004171	0.003451	0.001909	0.001427	0.0004418

1970	0.001344	0.001215	0.0008206	0.0004763	0.000346	9.045e-005
1971	0.004853	0.004402	0.003023	0.001829	0.001395	0.0003752
1972	0.002446	0.002215	0.001496	0.0008696	0.0006334	0.0002955
1973	0.004184	0.003796	0.002692	0.001501	0.001067	0.0002783
1974	0.004609	0.004261	0.003591	0.002062	0.00155	0.0004631
1975	0.008448	0.007702	0.00547	0.002888	0.002037	0.0006243
1976	0.004673	0.004354	0.003597	0.002057	0.00147	0.0004542
1977	0.01253	0.01128	0.007636	0.004343	0.0031	0.0009669
1978	0.02564	0.02323	0.01584	0.008337	0.00598	0.001592
1979	0.01685	0.01514	0.01082	0.005669	0.003976	0.001166
1980	0.004881	0.004422	0.00311	0.001671	0.001545	0.0004387
1981	0.00983	0.00881	0.005834	0.003115	0.002419	0.0007185
1982	0.01103	0.009946	0.007323	0.003854	0.002809	0.0009805
1983	0.004581	0.004121	0.002983	0.001581	0.001245	0.0005262
1984	0.009249	0.008405	0.005777	0.003085	0.002975	0.0008234
1985	0.006556	0.005976	0.004175	0.002191	0.001546	0.0004033
1986	0.02041	0.01835	0.01276	0.006507	0.004541	0.00116
1987	0.001494	0.001354	0.0009255	0.0005062	0.0003852	0.0001209
1988	0.0007484	0.0006736	0.0004915	0.0003149	0.0002814	0.0001188
1989	0.006165	0.005674	0.003904	0.001988	0.001387	0.0003561
1990	0.001213	0.001091	0.0007255	0.0005439	0.0003978	0.0001048

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.02564	0.02323	0.01584	0.008337	0.006171	0.00174	
0.064516129032258	0.02256	0.02048	0.01453	0.00776	0.00598	0.001628	
0.096774193548387	0.02075	0.01893	0.01368	0.007145	0.005228	0.001592	
0.129032258064516	0.02041	0.01835	0.01276	0.006507	0.004541	0.001514	
0.161290322580645	0.01685	0.01514	0.01082	0.005669	0.004295	0.001166	
0.193548387096774	0.01276	0.01189	0.009165	0.004857	0.003976	0.00116	
0.225806451612903	0.01253	0.01128	0.007636	0.004343	0.0031	0.0009805	
0.258064516129032	0.01103	0.009946	0.007323	0.003854	0.002975	0.0009669	
0.290322580645161	0.00983	0.00881	0.005834	0.003115	0.002898	0.0008818	
0.32258064516129	0.009249	0.008405	0.005777	0.003106	0.002809	0.0008234	
0.354838709677419	0.008448	0.007702	0.005674	0.003085	0.002419	0.0007185	
0.387096774193548	0.008386	0.007561	0.00547	0.002959	0.002157	0.0006465	
0.419354838709677	0.008052	0.007273	0.005095	0.002888	0.002037	0.0006243	
0.451612903225806	0.006556	0.005976	0.004175	0.002303	0.00177	0.0005262	
0.483870967741936	0.006165	0.005674	0.003904	0.002191	0.001575	0.0004665	
0.516129032258065	0.00518	0.004757	0.003715	0.002153	0.00155	0.0004653	
0.548387096774194	0.004881	0.00456	0.003597	0.002062	0.001546	0.0004631	
0.580645161290323	0.004853	0.004422	0.003591	0.002057	0.001545	0.0004542	
0.612903225806452	0.004766	0.004402	0.003451	0.001988	0.001543	0.0004418	
0.645161290322581	0.004699	0.004362	0.003321	0.001952	0.00147	0.0004387	
0.67741935483871	0.004673	0.004354	0.00311	0.001909	0.001427	0.0004105	
0.709677419354839	0.004609	0.004261	0.003097	0.001829	0.001395	0.0004033	
0.741935483870968	0.004587	0.004171	0.003023	0.001671	0.001387	0.0003752	
0.774193548387097	0.004581	0.004121	0.002983	0.001581	0.001245	0.0003561	
0.806451612903226	0.004184	0.003796	0.002692	0.001501	0.001067	0.0002955	
0.838709677419355	0.002446	0.002215	0.001496	0.0008696	0.0006334	0.0002783	
0.870967741935484	0.001494	0.001354	0.0009255	0.0005439	0.0003978	0.0001209	
0.903225806451613	0.001344	0.001215	0.0008206	0.0005062	0.0003852	0.0001188	
0.935483870967742	0.001213	0.001091	0.0007255	0.0004763	0.000346	0.0001048	
0.967741935483871	0.0007484	0.0006736	0.0004915	0.0003149	0.0002814	9.045e-005	
0.1	0.020716	0.018872	0.013588	0.0070812	0.0051593	0.0015842	

Average of yearly averages: 0.000675051666666666

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 13:48:06
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	0.00327	0.003035	0.002345	0.001713	0.001529	0.000656
1962	0.002732	0.002578	0.002248	0.002109	0.002035	0.001348
1963	0.003979	0.003754	0.003304	0.003003	0.002716	0.001952
1964	0.005938	0.005635	0.004855	0.004528	0.004154	0.00301
1965	0.00506	0.00484	0.004232	0.0036	0.003355	0.002852
1966	0.005933	0.005682	0.005348	0.004735	0.004519	0.003261
1967	0.008078	0.00761	0.006467	0.005027	0.004697	0.003437
1968	0.007196	0.006818	0.005867	0.004871	0.004577	0.003767
1969	0.006539	0.006232	0.005454	0.005089	0.004755	0.003752
1970	0.003625	0.003615	0.003577	0.003497	0.00344	0.00297
1971	0.004225	0.004061	0.003564	0.003322	0.00315	0.002736
1972	0.007383	0.006951	0.005652	0.00434	0.004145	0.003041
1973	0.004283	0.00413	0.003705	0.003522	0.003342	0.002902
1974	0.004736	0.004529	0.003946	0.003674	0.003497	0.002742
1975	0.003246	0.003146	0.002862	0.002563	0.002533	0.002415

1976	0.004436	0.004226	0.003595	0.002955	0.002744	0.002376
1977	0.005717	0.005422	0.004879	0.004365	0.003963	0.002754
1978	0.00516	0.004921	0.004198	0.003666	0.003547	0.00308
1979	0.005948	0.005664	0.005165	0.004362	0.004123	0.003255
1980	0.003099	0.00305	0.002947	0.002889	0.002845	0.002656
1981	0.005033	0.004785	0.004419	0.003611	0.003271	0.002451
1982	0.005121	0.004881	0.004208	0.003631	0.003476	0.002691
1983	0.004885	0.004667	0.004193	0.003735	0.003543	0.002808
1984	0.006087	0.005762	0.004782	0.003826	0.00371	0.003044
1985	0.003136	0.003058	0.002884	0.00273	0.002694	0.002581
1986	0.008055	0.007532	0.006552	0.004799	0.004243	0.002772
1987	0.002678	0.002672	0.002646	0.002603	0.002564	0.002332
1988	0.002623	0.002535	0.002268	0.002007	0.001979	0.001863
1989	0.005524	0.005246	0.004304	0.003195	0.002796	0.002021
1990	0.002836	0.002732	0.002416	0.002168	0.002081	0.001887

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129		0.008078	0.00761	0.006552	0.005089	0.004755	0.003767
0.064516129032258		0.008055	0.007532	0.006467	0.005027	0.004697	0.003752
0.096774193548387		0.007383	0.006951	0.005867	0.004871	0.004577	0.003437
0.129032258064516		0.007196	0.006818	0.005652	0.004799	0.004519	0.003261
0.161290322580645		0.006539	0.006232	0.005454	0.004735	0.004243	0.003255
0.193548387096774		0.006087	0.005762	0.005348	0.004528	0.004154	0.00308
0.225806451612903		0.005948	0.005682	0.005165	0.004365	0.004145	0.003044
0.258064516129032		0.005938	0.005664	0.004879	0.004362	0.004123	0.003041
0.290322580645161		0.005933	0.005635	0.004855	0.00434	0.003963	0.00301
0.32258064516129		0.005717	0.005422	0.004782	0.003826	0.00371	0.00297
0.354838709677419		0.005524	0.005246	0.004419	0.003735	0.003547	0.002902
0.387096774193548		0.00516	0.004921	0.004304	0.003674	0.003543	0.002852
0.419354838709677		0.005121	0.004881	0.004232	0.003666	0.003497	0.002808
0.451612903225806		0.00506	0.00484	0.004208	0.003631	0.003476	0.002772
0.483870967741936		0.005033	0.004785	0.004198	0.003611	0.00344	0.002754
0.516129032258065		0.004885	0.004667	0.004193	0.0036	0.003355	0.002742
0.548387096774194		0.004736	0.004529	0.003946	0.003522	0.003342	0.002736
0.580645161290323		0.004436	0.004226	0.003705	0.003497	0.003271	0.002691
0.612903225806452		0.004283	0.00413	0.003595	0.003322	0.00315	0.002656
0.645161290322581		0.004225	0.004061	0.003577	0.003195	0.002845	0.002581
0.67741935483871		0.003979	0.003754	0.003564	0.003003	0.002796	0.002451
0.709677419354839		0.003625	0.003615	0.003304	0.002955	0.002744	0.002415
0.741935483870968		0.00327	0.003146	0.002947	0.002889	0.002716	0.002376
0.774193548387097		0.003246	0.003058	0.002884	0.00273	0.002694	0.002332
0.806451612903226		0.003136	0.00305	0.002862	0.002603	0.002564	0.002021
0.838709677419355		0.003099	0.003035	0.002646	0.002563	0.002533	0.001952
0.870967741935484		0.002836	0.002732	0.002416	0.002168	0.002081	0.001887
0.903225806451613		0.002732	0.002672	0.002345	0.002109	0.002035	0.001863
0.935483870967742		0.002678	0.002578	0.002268	0.002007	0.001979	0.001348
0.967741935483871		0.002623	0.002535	0.002248	0.001713	0.001529	0.000656
0.1	0.0073643	0.0069377	0.0058455	0.0048638	0.0045712	0.0034194	

Average of yearly averages: 0.00264706666666667

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 13:48:06
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	0.0001113	0.0001085	9.888e-005		8.91e-005	8.563e-005	3.61e-005
1962	0.0001241	0.0001227	0.0001168	0.0001104	0.0001071	6.746e-005	
1963	0.0001799	0.000176	0.0001635	0.0001486	0.0001377	9.261e-005	
1964	0.0003224	0.0003139	0.0002931	0.0002441	0.0002238	0.000157	
1965	0.0002122	0.0002082	0.0001954	0.0001764	0.0001657	0.0001305	
1966	0.0003008	0.0002941	0.0002813	0.0002474	0.0002272	0.0001548	
1967	0.0004151	0.0004046	0.000376	0.0003183	0.0002903	0.0001843	
1968	0.0002598	0.000255	0.0002396	0.0002143	0.0002033	0.0001681	
1969	0.0001769	0.0001742	0.0001691	0.0001577	0.0001497	0.0001321	
1970	0.000108	0.0001075	0.0001057	0.0001019	9.913e-005	8.149e-005	
1971	0.0001229	0.0001204	0.0001114	9.735e-005		9.556e-005	7.14e-005
1972	0.0001577	0.0001541	0.000141	0.0001207	0.0001114	7.76e-005	
1973	0.0001208	0.0001185	0.0001118	0.000104	9.648e-005	7.238e-005	
1974	0.0001398	0.0001372	0.0001324	0.0001188	0.0001107	7.512e-005	
1975	0.0001296	0.000127	0.0001187	0.0001036	9.661e-005	7.641e-005	
1976	0.0001229	0.0001203	0.0001138	0.000102	9.428e-005	7.51e-005	
1977	0.0002408	0.0002345	0.0002157	0.0002037	0.0001867	0.0001064	
1978	0.0003254	0.0003173	0.0002879	0.0002504	0.0002358	0.0001613	
1979	0.0003072	0.0003003	0.0002842	0.0002468	0.0002261	0.0001557	
1980	0.000156	0.000154	0.0001477	0.0001377	0.0001367	0.0001199	
1981	0.0001768	0.0001729	0.0001592	0.0001486	0.0001421	0.0001015	

1982	0.0002427	0.000237	0.0002165	0.0001889	0.0001735	0.0001177
1983	0.0001939	0.0001901	0.0001809	0.0001627	0.0001511	0.0001172
1984	0.000247	0.0002412	0.0002199	0.0001883	0.0001887	0.000132
1985	0.0001489	0.0001468	0.0001387	0.0001261	0.0001203	9.95e-005
1986	0.0003407	0.0003311	0.0003095	0.0002543	0.0002267	0.0001179
1987	0.0001235	0.0001229	0.0001207	0.000116	0.0001128	9.526e-005
1988	7.034e-005	6.944e-005	6.767e-005	6.538e-005	6.369e-005	5.895e-005
1989	0.0001017	9.945e-005	9.17e-005	7.872e-005	7.212e-005	5.27e-005
1990	5.796e-005	5.697e-005	5.367e-005	5.016e-005	4.773e-005	3.896e-005

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.0004151	0.0004046	0.000376	0.0003183	0.0002903	0.0001843	
0.0645161290322581	0.0003407	0.0003311	0.0003095	0.0002543	0.0002358	0.0001681	
0.0967741935483871	0.0003254	0.0003173	0.0002931	0.0002504	0.0002272	0.0001613	
0.129032258064516	0.0003224	0.0003139	0.0002879	0.0002474	0.0002267	0.000157	
0.161290322580645	0.0003072	0.0003003	0.0002842	0.0002468	0.0002261	0.0001557	
0.193548387096774	0.0003008	0.0002941	0.0002813	0.0002441	0.0002238	0.0001548	
0.225806451612903	0.0002598	0.000255	0.0002396	0.0002143	0.0002033	0.0001321	
0.258064516129032	0.000247	0.0002412	0.0002199	0.0002037	0.0001887	0.000132	
0.290322580645161	0.0002427	0.000237	0.0002165	0.0001889	0.0001867	0.0001305	
0.32258064516129	0.0002408	0.0002345	0.0002157	0.0001883	0.0001735	0.0001199	
0.354838709677419	0.0002122	0.0002082	0.0001954	0.0001764	0.0001657	0.0001179	
0.387096774193548	0.0001939	0.0001901	0.0001809	0.0001627	0.0001511	0.0001177	
0.419354838709677	0.0001799	0.000176	0.0001691	0.0001577	0.0001497	0.0001172	
0.451612903225806	0.0001769	0.0001742	0.0001635	0.0001486	0.0001421	0.0001064	
0.483870967741936	0.0001768	0.0001729	0.0001592	0.0001486	0.0001377	0.0001015	
0.516129032258065	0.0001577	0.0001541	0.0001477	0.0001377	0.0001367	9.95e-005	
0.548387096774194	0.000156	0.000154	0.000141	0.0001261	0.0001203	9.526e-005	
0.580645161290323	0.0001489	0.0001468	0.0001387	0.0001207	0.0001128	9.261e-005	
0.612903225806452	0.0001398	0.0001372	0.0001324	0.0001188	0.0001114	8.149e-005	
0.645161290322581	0.0001296	0.000127	0.0001207	0.000116	0.0001107	7.76e-005	
0.67741935483871	0.0001241	0.0001229	0.0001187	0.0001104	0.0001071	7.641e-005	
0.709677419354839	0.0001235	0.0001227	0.0001168	0.000104	9.913e-005	7.512e-005	
0.741935483870968	0.0001229	0.0001204	0.0001138	0.0001036	9.661e-005	7.51e-005	
0.774193548387097	0.0001229	0.0001203	0.0001118	0.000102	9.648e-005	7.238e-005	
0.806451612903226	0.0001208	0.0001185	0.0001114	0.0001019	9.556e-005	7.14e-005	
0.838709677419355	0.0001113	0.0001085	0.0001057	9.735e-005	9.428e-005	6.746e-005	
0.870967741935484	0.000108	0.0001075	9.888e-005	8.91e-005	8.563e-005	5.895e-005	
0.903225806451613	0.0001017	9.945e-005	9.17e-005	7.872e-005	7.212e-005	5.27e-005	
0.935483870967742	7.034e-005	6.944e-005	6.767e-005	6.538e-005	6.369e-005	3.896e-005	
0.967741935483871	5.796e-005	5.697e-005	5.367e-005	5.016e-005	4.773e-005	3.61e-005	
0.1	0.0003251	0.00031696	0.00029258	0.0002501	0.00022715	0.00016087	

Average of yearly averages: 0.000104248

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 13:48:06
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	0.000686	0.0006404	0.0005032	0.0003739	0.0003359	0.0001444
1962	0.0005833	0.0005531	0.0004949	0.0004639	0.0004457	0.0002974
1963	0.0008386	0.0007955	0.0007136	0.0006593	0.0005994	0.0004312
1964	0.001277	0.001218	0.001062	0.0009867	0.0009091	0.0006664
1965	0.001106	0.001062	0.0009375	0.0008042	0.0007511	0.0006378
1966	0.001306	0.001255	0.001184	0.001045	0.0009986	0.0007296
1967	0.001762	0.001668	0.001437	0.001132	0.001057	0.0007764
1968	0.001557	0.001483	0.001293	0.001086	0.001022	0.0008478
1969	0.001399	0.001341	0.001184	0.001115	0.001046	0.0008404
1970	0.0008088	0.0008072	0.0007987	0.0007815	0.0007691	0.0006675
1971	0.0009069	0.0008761	0.0007807	0.0007295	0.0006946	0.0006119
1972	0.001565	0.001481	0.001226	0.0009581	0.0009128	0.0006756
1973	0.0009386	0.000908	0.0008215	0.0007813	0.0007424	0.0006466
1974	0.001025	0.000985	0.0008691	0.0008105	0.0007719	0.0006118
1975	0.0007069	0.0006877	0.0006324	0.0005779	0.0005701	0.0005424
1976	0.0009589	0.000918	0.0007923	0.0006597	0.0006143	0.0005329
1977	0.00125	0.001191	0.001079	0.0009715	0.0008857	0.000618
1978	0.00115	0.001101	0.0009504	0.0008343	0.0008077	0.0006978
1979	0.001308	0.001253	0.001154	0.0009828	0.0009277	0.0007356
1980	0.0007033	0.000693	0.0006685	0.0006559	0.0006462	0.0006062
1981	0.001082	0.001035	0.0009645	0.0008023	0.0007319	0.0005584
1982	0.001134	0.001085	0.000945	0.000814	0.0007834	0.0006109
1983	0.001077	0.001034	0.0009369	0.0008398	0.0007958	0.0006364
1984	0.001334	0.001269	0.00107	0.0008668	0.000842	0.0006896
1985	0.0006979	0.0006865	0.0006502	0.0006147	0.0006149	0.0005869
1986	0.001747	0.001643	0.001448	0.00108	0.0009577	0.0006288
1987	0.0006106	0.0006092	0.0006038	0.0005939	0.0005852	0.0005338
1988	0.000578	0.0005604	0.0005074	0.0004567	0.0004478	0.0004261

1989	0.00111	0.001061	0.00089	0.0006796	0.0006009	0.0004484
1990	0.000612	0.0005919	0.0005295	0.0004786	0.0004596	0.0004175

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.001762	0.001668	0.001448	0.001132	0.001057	0.0008478	
0.0645161290322581	0.001747	0.001643	0.001437	0.001115	0.001046	0.0008404	
0.0967741935483871	0.001565	0.001483	0.001293	0.001086	0.001022	0.0007764	
0.129032258064516	0.001557	0.001481	0.001226	0.00108	0.0009986	0.0007356	
0.161290322580645	0.001399	0.001341	0.001184	0.001045	0.0009577	0.0007296	
0.193548387096774	0.001334	0.001269	0.001184	0.0009867	0.0009277	0.0006978	
0.225806451612903	0.001308	0.001255	0.001154	0.0009828	0.0009128	0.0006896	
0.258064516129032	0.001306	0.001253	0.001079	0.0009715	0.0009091	0.0006756	
0.290322580645161	0.001277	0.001218	0.00107	0.0009581	0.0008857	0.0006675	
0.32258064516129	0.00125	0.001191	0.001062	0.0008668	0.000842	0.0006664	
0.354838709677419	0.00115	0.001101	0.0009645	0.0008398	0.0008077	0.0006466	
0.387096774193548	0.001134	0.001085	0.0009504	0.0008343	0.0007958	0.0006378	
0.419354838709677	0.00111	0.001062	0.000945	0.000814	0.0007834	0.0006364	
0.451612903225806	0.001106	0.001061	0.0009375	0.0008105	0.0007719	0.0006288	
0.483870967741936	0.001082	0.001035	0.0009369	0.0008042	0.0007691	0.000618	
0.516129032258065	0.001077	0.001034	0.00089	0.0008023	0.0007511	0.0006119	
0.548387096774194	0.001025	0.000985	0.0008691	0.0007815	0.0007424	0.0006118	
0.580645161290323	0.0009589	0.000918	0.0008215	0.0007813	0.0007319	0.0006109	
0.612903225806452	0.0009386	0.000908	0.0007987	0.0007295	0.0006946	0.0006062	
0.645161290322581	0.0009069	0.0008761	0.0007923	0.0006796	0.0006462	0.0005869	
0.67741935483871	0.0008386	0.0008072	0.0007807	0.0006597	0.0006149	0.0005584	
0.709677419354839	0.0008088	0.0007955	0.0007136	0.0006593	0.0006143	0.0005424	
0.741935483870968	0.0007069	0.000693	0.0006685	0.0006559	0.0006009	0.0005338	
0.774193548387097	0.0007033	0.0006877	0.0006502	0.0006147	0.0005994	0.0005329	
0.806451612903226	0.0006979	0.0006865	0.0006324	0.0005939	0.0005852	0.0004484	
0.838709677419355	0.000686	0.0006404	0.0006038	0.0005779	0.0005701	0.0004312	
0.870967741935484	0.000612	0.0006092	0.0005295	0.0004786	0.0004596	0.0004261	
0.903225806451613	0.0006106	0.0005919	0.0005074	0.0004639	0.0004478	0.0004175	
0.935483870967742	0.0005833	0.0005604	0.0005032	0.0004567	0.0004457	0.0002974	
0.967741935483871	0.000578	0.0005531	0.0004949	0.0003739	0.0003359	0.0001444	

0.1	0.0015642	0.0014828	0.0012863	0.0010854	0.00101966	0.00077232

Average of yearly averages: 0.00059515

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	2.4	mg/L		
Kd	Kd		mg/L		
Koc	Koc	3911	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_ MAX RATE_FIPRONIL

stored as GAONIONFIP2.out
Chemical: Fipronil
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.9108	0.8219	0.6135	0.4382	0.3541	0.09034
1962	0.9972	0.8925	0.5922	0.4799	0.3555	0.1515
1963	1.829	1.637	1.281	0.8271	0.6071	0.1843
1964	2.877	2.599	2.197	1.418	1.265	0.3816
1965	0.945	0.8489	0.5989	0.4645	0.4033	0.163
1966	0.7743	0.6988	0.469	0.3242	0.2647	0.1033
1967	1.105	1.056	0.8333	0.4771	0.3483	0.1833
1968	1.013	0.912	0.6831	0.4903	0.432	0.1314
1969	3.11	2.827	1.96	1.154	0.9327	0.2616
1970	1.47	1.306	0.8689	0.5454	0.4329	0.1776
1971	1.946	1.75	1.373	0.8646	0.7035	0.2123
1972	1.101	1.007	0.8099	0.4873	0.4454	0.1449
1973	0.5605	0.5061	0.3427	0.2325	0.2101	0.09805
1974	0.9072	0.8153	0.5585	0.4906	0.3801	0.1286
1975	1.666	1.49	1.098	0.6766	0.4949	0.1558
1976	1.623	1.465	0.9928	0.7817	0.6009	0.1742
1977	0.8464	0.7642	0.5716	0.4545	0.359	0.1225
1978	0.7447	0.6781	0.543	0.432	0.3624	0.1392
1979	2.142	1.928	1.384	0.8237	0.6436	0.1986
1980	0.9528	0.86	0.6255	0.4353	0.3382	0.1126
1981	1.173	1.046	0.7238	0.4745	0.3437	0.115
1982	0.582	0.5319	0.3945	0.2683	0.2065	0.1072
1983	1.031	0.9302	0.6283	0.4152	0.3504	0.1692
1984	2.313	2.065	1.513	0.8961	0.6559	0.2158
1985	1.02	0.9063	0.5966	0.3568	0.3567	0.1224
1986	1.294	1.164	0.8085	0.5773	0.5618	0.1918
1987	0.8057	0.7249	0.5185	0.3386	0.2763	0.1184
1988	0.807	0.7537	0.5546	0.3533	0.2647	0.1028
1989	6.051	5.451	4.136	2.442	1.812	0.4806
1990	10.61	9.822	6.682	3.578	2.608	0.6848

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly

0.032258064516129	10.61	9.822	6.682	3.578	2.608	0.6848
0.0645161290322581	6.051	5.451	4.136	2.442	1.812	0.4806
0.0967741935483871	3.11	2.827	2.197	1.418	1.265	0.3816
0.129032258064516	2.877	2.599	1.96	1.154	0.9327	0.2616
0.161290322580645	2.313	2.065	1.513	0.8961	0.7035	0.2158
0.193548387096774	2.142	1.928	1.384	0.8646	0.6559	0.2123
0.225806451612903	1.946	1.75	1.373	0.8271	0.6436	0.1986
0.258064516129032	1.829	1.637	1.281	0.8237	0.6071	0.1918
0.290322580645161	1.666	1.49	1.098	0.7817	0.6009	0.1843
0.32258064516129	1.623	1.465	0.9928	0.6766	0.5618	0.1833
0.354838709677419	1.47	1.306	0.8689	0.5773	0.4949	0.1776
0.387096774193548	1.294	1.164	0.8333	0.5454	0.4454	0.1742
0.419354838709677	1.173	1.056	0.8099	0.4906	0.4329	0.1692
0.451612903225806	1.105	1.046	0.8085	0.4903	0.432	0.163
0.483870967741936	1.101	1.007	0.7238	0.4873	0.4033	0.1558
0.516129032258065	1.031	0.9302	0.6831	0.4799	0.3801	0.1515
0.548387096774194	1.02	0.912	0.6283	0.4771	0.3624	0.1449
0.580645161290323	1.013	0.9063	0.6255	0.4745	0.359	0.1392
0.612903225806452	0.9972	0.8925	0.6135	0.4645	0.3567	0.1314
0.645161290322581	0.9528	0.86	0.5989	0.4545	0.3555	0.1286
0.67741935483871	0.945	0.8489	0.5966	0.4382	0.3541	0.1225
0.709677419354839	0.9108	0.8219	0.5922	0.4353	0.3504	0.1224
0.741935483870968	0.9072	0.8153	0.5716	0.432	0.3483	0.1184
0.774193548387097	0.8464	0.7642	0.5585	0.4152	0.3437	0.115
0.806451612903226	0.807	0.7537	0.5546	0.3568	0.3382	0.1126
0.838709677419355	0.8057	0.7249	0.543	0.3533	0.2763	0.1072
0.870967741935484	0.7743	0.6988	0.5185	0.3386	0.2647	0.1033
0.903225806451613	0.7447	0.6781	0.469	0.3242	0.2647	0.1028
0.935483870967742	0.582	0.5319	0.3945	0.2683	0.2101	0.09805
0.967741935483871	0.5605	0.5061	0.3427	0.2325	0.2065	0.09034
0.1	3.0867	2.8042	2.1733	1.3916	1.23177	0.3696

Average of yearly averages: 0.187423

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

Data used for this run:
Output File: GAONIONFIP2
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.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	8	integer	See PRZM manual		
Incorporation Depth:	DEPI	0.635	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	15-9	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_MAX RATE_MB136

stored as GAONION1362.out
Chemical: MB46136
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.06609	0.05989	0.04237	0.03227	0.02831	0.007139
1962	0.1574	0.1481	0.1247	0.1185	0.1146	0.08729
1963	0.3603	0.3389	0.2695	0.2065	0.1825	0.138
1964	0.4515	0.4197	0.3602	0.3004	0.304	0.23
1965	0.2482	0.2429	0.2263	0.2148	0.2155	0.1943
1966	0.2952	0.2781	0.2494	0.2172	0.2033	0.1737
1967	0.3192	0.3079	0.2691	0.206	0.187	0.1641
1968	0.2521	0.2379	0.1944	0.157	0.1503	0.1272
1969	0.4589	0.4252	0.3282	0.2523	0.2271	0.1785
1970	0.3104	0.2989	0.2555	0.2332	0.219	0.1896
1971	0.4043	0.3756	0.3073	0.2398	0.2484	0.1893
1972	0.2929	0.2762	0.241	0.1962	0.191	0.1825
1973	0.2996	0.2822	0.2401	0.2015	0.1964	0.1652
1974	0.242	0.227	0.1891	0.1661	0.1588	0.1394
1975	0.2718	0.2559	0.2241	0.1913	0.1924	0.1527
1976	0.3796	0.3541	0.2765	0.2436	0.2339	0.1937
1977	0.2313	0.2236	0.2025	0.1782	0.1687	0.1549
1978	0.1896	0.1815	0.1626	0.1519	0.1433	0.1307
1979	0.3732	0.3454	0.2744	0.2509	0.2275	0.1809
1980	0.2598	0.2467	0.2154	0.1847	0.1752	0.1491
1981	0.3373	0.3225	0.2571	0.2078	0.1947	0.1381
1982	0.3029	0.2833	0.2441	0.2252	0.2141	0.1634
1983	0.3113	0.2925	0.2446	0.2128	0.2022	0.1782
1984	0.4017	0.3731	0.2946	0.2506	0.2275	0.1884
1985	0.242	0.2282	0.1947	0.1626	0.1615	0.1466
1986	0.2561	0.2416	0.2051	0.1903	0.1872	0.1643
1987	0.3093	0.2911	0.2482	0.2123	0.199	0.1803
1988	0.2816	0.2641	0.2322	0.2006	0.1884	0.1544
1989	0.5589	0.5156	0.4349	0.3311	0.2951	0.1783
1990	1.006	0.9479	0.7003	0.4735	0.3967	0.232

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	1.006	0.9479	0.7003	0.4735	0.3967	0.232	
0.0645161290322581	0.5589	0.5156	0.4349	0.3311	0.304	0.23	
0.0967741935483871	0.4589	0.4252	0.3602	0.3004	0.2951	0.1943	
0.129032258064516	0.4515	0.4197	0.3282	0.2523	0.2484	0.1937	
0.161290322580645	0.4043	0.3756	0.3073	0.2509	0.2339	0.1896	
0.193548387096774	0.4017	0.3731	0.2946	0.2506	0.2275	0.1893	

0.225806451612903	0.3796	0.3541	0.2765	0.2436	0.2275	0.1884
0.258064516129032	0.3732	0.3454	0.2744	0.2398	0.2271	0.1825
0.290322580645161	0.3603	0.3389	0.2695	0.2332	0.219	0.1809
0.32258064516129	0.3373	0.3225	0.2691	0.2252	0.2155	0.1803
0.354838709677419	0.3192	0.3079	0.2571	0.2172	0.2141	0.1785
0.387096774193548	0.3113	0.2989	0.2555	0.2148	0.2033	0.1783
0.419354838709677	0.3104	0.2925	0.2494	0.2128	0.2022	0.1782
0.451612903225806	0.3093	0.2911	0.2482	0.2123	0.199	0.1737
0.483870967741936	0.3029	0.2833	0.2446	0.2078	0.1964	0.1652
0.516129032258065	0.2996	0.2822	0.2441	0.2065	0.1947	0.1643
0.548387096774194	0.2952	0.2781	0.241	0.206	0.1924	0.1641
0.580645161290323	0.2929	0.2762	0.2401	0.2015	0.191	0.1634
0.612903225806452	0.2816	0.2641	0.2322	0.2006	0.1884	0.1549
0.645161290322581	0.2718	0.2559	0.2263	0.1962	0.1872	0.1544
0.67741935483871	0.2598	0.2467	0.2241	0.1913	0.187	0.1527
0.709677419354839	0.2561	0.2429	0.2154	0.1903	0.1825	0.1491
0.741935483870968	0.2521	0.2416	0.2051	0.1847	0.1752	0.1466
0.774193548387097	0.2482	0.2379	0.2025	0.1782	0.1687	0.1394
0.806451612903226	0.242	0.2282	0.1947	0.1661	0.1615	0.1381
0.838709677419355	0.242	0.227	0.1944	0.1626	0.1588	0.138
0.870967741935484	0.2313	0.2236	0.1891	0.157	0.1503	0.1307
0.903225806451613	0.1896	0.1815	0.1626	0.1519	0.1433	0.1272
0.935483870967742	0.1574	0.1481	0.1247	0.1185	0.1146	0.08729
0.967741935483871	0.06609	0.05989	0.04237	0.03227	0.02831	0.007139

0.1	0.45816	0.42465	0.357	0.29559	0.29043	0.19424

Average of yearly averages: 0.161740966666667

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

Data used for this run:
Output File: GAONION1362
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	8	integer	See PRZM manual		
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.026	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_MAX RATE_MB513
stored as GAONION5132.out
Chemical: MB46513
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.009171	0.008726	0.007192	0.005759	0.005024	0.001262
1962	0.01237	0.01204	0.01051	0.008493	0.008257	0.006396
1963	0.01614	0.01544	0.01346	0.01202	0.01045	0.006676
1964	0.03077	0.02951	0.02512	0.02152	0.02142	0.01153
1965	0.01828	0.01773	0.01576	0.01342	0.01288	0.009118
1966	0.0127	0.01227	0.01084	0.01009	0.009828	0.006583
1967	0.01965	0.01909	0.01773	0.01366	0.01182	0.007677
1968	0.01044	0.01004	0.008629	0.008233	0.008146	0.005282
1969	0.03158	0.0301	0.02499	0.01943	0.01547	0.008072
1970	0.01515	0.01466	0.01326	0.01113	0.01078	0.008689
1971	0.01938	0.01859	0.01761	0.01483	0.01324	0.007533
1972	0.01743	0.01668	0.01433	0.009992	0.008965	0.006811
1973	0.01155	0.01115	0.009756	0.008926	0.008688	0.006156
1974	0.01125	0.0108	0.009227	0.008473	0.007659	0.005961
1975	0.01464	0.01404	0.01263	0.01078	0.009369	0.006774
1976	0.0177	0.01697	0.0151	0.01315	0.01139	0.007217
1977	0.01258	0.01217	0.01084	0.008784	0.007798	0.005749
1978	0.01187	0.01139	0.00972	0.008462	0.00729	0.005699
1979	0.0175	0.01677	0.0151	0.01259	0.01151	0.007373
1980	0.01186	0.01143	0.01032	0.008763	0.007908	0.006075
1981	0.01197	0.01148	0.009895	0.007943	0.0069	0.005435
1982	0.0117	0.01123	0.009967	0.008872	0.008069	0.006352
1983	0.01495	0.01438	0.01272	0.01141	0.01115	0.007652
1984	0.02087	0.01998	0.01704	0.01438	0.01285	0.00916
1985	0.0105	0.0101	0.008816	0.007534	0.007059	0.006028
1986	0.01401	0.01343	0.01188	0.01066	0.0106	0.007679
1987	0.01861	0.01789	0.01584	0.01334	0.01168	0.006751
1988	0.01027	0.009877	0.008851	0.007525	0.007305	0.005573
1989	0.04326	0.04121	0.03761	0.03095	0.02707	0.01031
1990	0.0849	0.08184	0.06817	0.05097	0.04173	0.01703

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.0849	0.08184	0.06817	0.05097	0.04173	0.01703	
0.064516129032258	0.04326	0.04121	0.03761	0.03095	0.02707	0.01153	
0.096774193548387	0.03158	0.0301	0.02512	0.02152	0.02142	0.01031	
0.129032258064516	0.03077	0.02951	0.02499	0.01943	0.01547	0.00916	
0.161290322580645	0.02087	0.01998	0.01773	0.01483	0.01324	0.009118	
0.193548387096774	0.01965	0.01909	0.01761	0.01438	0.01288	0.008689	
0.225806451612903	0.01938	0.01859	0.01704	0.01366	0.01285	0.008072	
0.258064516129032	0.01861	0.01789	0.01584	0.01342	0.01182	0.007679	
0.290322580645161	0.01828	0.01773	0.01576	0.01334	0.01168	0.007677	
0.32258064516129	0.0177	0.01697	0.0151	0.01315	0.01151	0.007652	
0.354838709677419	0.0175	0.01677	0.0151	0.01259	0.01139	0.007533	
0.387096774193548	0.01743	0.01668	0.01433	0.01202	0.01115	0.007373	

0.419354838709677	0.01614	0.01544	0.01346	0.01141	0.01078	0.007217
0.451612903225806	0.01515	0.01466	0.01326	0.01113	0.0106	0.006811
0.483870967741936	0.01495	0.01438	0.01272	0.01078	0.01045	0.006774
0.516129032258065	0.01464	0.01404	0.01263	0.01066	0.009828	0.006751
0.548387096774194	0.01401	0.01343	0.01188	0.01009	0.009369	0.006676
0.580645161290323	0.0127	0.01227	0.01084	0.009992	0.008965	0.006583
0.612903225806452	0.01258	0.01217	0.01084	0.008926	0.008688	0.006396
0.645161290322581	0.01237	0.01204	0.01051	0.008872	0.008257	0.006352
0.67741935483871	0.01197	0.01148	0.01032	0.008784	0.008146	0.006156
0.709677419354839	0.01187	0.01143	0.009967	0.008763	0.008069	0.006075
0.741935483870968	0.01186	0.01139	0.009895	0.008493	0.007908	0.006028
0.774193548387097	0.0117	0.01123	0.009756	0.008473	0.007798	0.005961
0.806451612903226	0.01155	0.01115	0.00972	0.008462	0.007659	0.005749
0.838709677419355	0.01125	0.0108	0.009227	0.008233	0.007305	0.005699
0.870967741935484	0.0105	0.0101	0.008851	0.007943	0.00729	0.005573
0.903225806451613	0.01044	0.01004	0.008816	0.007534	0.007059	0.005435
0.935483870967742	0.01027	0.009877	0.008629	0.007525	0.0069	0.005282
0.967741935483871	0.009171	0.008726	0.007192	0.005759	0.005024	0.001262

0.1	0.031499	0.030041	0.025107	0.021311	0.020825	0.010195

Average of yearly averages: 0.00728676666666667

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

Data used for this run:
Output File: GAONION5132
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	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm	
Application Rate:	TAPP	0.0011	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_MAXRATE_MB950

stored as GAONION9502.out
Chemical: MB45950
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.01524	0.01388	0.009984	0.007635	0.006699	0.001689
1962	0.03564	0.03366	0.02848	0.0271	0.0262	0.0201
1963	0.07754	0.07318	0.05897	0.04565	0.04046	0.03096
1964	0.09779	0.0923	0.07931	0.06729	0.06804	0.0511
1965	0.05581	0.05459	0.05078	0.04783	0.048	0.04302
1966	0.06361	0.06017	0.05435	0.04757	0.04456	0.03829
1967	0.07029	0.06782	0.05982	0.04598	0.04166	0.03631
1968	0.05445	0.05152	0.04254	0.03451	0.03302	0.02807
1969	0.1008	0.09377	0.07316	0.05648	0.05023	0.03946
1970	0.06659	0.06428	0.05548	0.05109	0.0482	0.04189
1971	0.0855	0.07983	0.06612	0.05336	0.0545	0.04169
1972	0.06446	0.06095	0.05327	0.04262	0.04159	0.04009
1973	0.06445	0.06093	0.05231	0.04416	0.04309	0.03628
1974	0.05265	0.04955	0.04163	0.03661	0.03498	0.03071
1975	0.05986	0.05651	0.04896	0.04243	0.04231	0.03376
1976	0.08173	0.07661	0.06059	0.05361	0.05142	0.04257
1977	0.05087	0.04926	0.04469	0.0393	0.03714	0.03398
1978	0.04162	0.03993	0.0359	0.03339	0.03153	0.0288
1979	0.08053	0.07487	0.06037	0.05505	0.04983	0.03986
1980	0.05656	0.05382	0.04731	0.04069	0.03858	0.03281
1981	0.07205	0.06915	0.05573	0.04547	0.04286	0.03047
1982	0.0657	0.06169	0.0535	0.04944	0.04703	0.03604
1983	0.06809	0.06419	0.05398	0.04713	0.04477	0.03935
1984	0.08754	0.08164	0.06506	0.05561	0.05052	0.0417
1985	0.05226	0.04946	0.04261	0.03575	0.0354	0.03235
1986	0.05606	0.05307	0.04497	0.04164	0.04121	0.03635
1987	0.0681	0.06431	0.05515	0.04732	0.04325	0.03958
1988	0.06045	0.05691	0.05024	0.0439	0.04124	0.03383
1989	0.1234	0.1143	0.09759	0.07489	0.06671	0.03963
1990	0.2226	0.2106	0.1578	0.1079	0.09029	0.05213

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.2226	0.2106	0.1578	0.1079	0.09029	0.05213	
0.0645161290322581	0.1234	0.1143	0.09759	0.07489	0.06804	0.0511	
0.0967741935483871	0.1008	0.09377	0.07931	0.06729	0.06671	0.04302	
0.129032258064516	0.09779	0.0923	0.07316	0.05648	0.0545	0.04257	
0.161290322580645	0.08754	0.08164	0.06612	0.05561	0.05142	0.04189	
0.193548387096774	0.0855	0.07983	0.06506	0.05505	0.05052	0.0417	
0.225806451612903	0.08173	0.07661	0.06059	0.05361	0.05023	0.04169	
0.258064516129032	0.08053	0.07487	0.06037	0.05336	0.04983	0.04009	
0.290322580645161	0.07754	0.07318	0.05982	0.05109	0.0482	0.03986	
0.32258064516129	0.07205	0.06915	0.05897	0.04944	0.048	0.03963	
0.354838709677419	0.07029	0.06782	0.05573	0.04783	0.04703	0.03958	
0.387096774193548	0.0681	0.06431	0.05548	0.04757	0.04477	0.03946	
0.419354838709677	0.06809	0.06428	0.05515	0.04732	0.04456	0.03935	
0.451612903225806	0.06659	0.06419	0.05435	0.04713	0.04325	0.03829	
0.483870967741936	0.0657	0.06169	0.05398	0.04598	0.04309	0.03635	
0.516129032258065	0.06446	0.06095	0.0535	0.04565	0.04286	0.03631	
0.548387096774194	0.06445	0.06093	0.05327	0.04547	0.04231	0.03628	

0.580645161290323	0.06361	0.06017	0.05231	0.04416	0.04166	0.03604
0.612903225806452	0.06045	0.05691	0.05078	0.0439	0.04159	0.03398
0.645161290322581	0.05986	0.05651	0.05024	0.04262	0.04124	0.03383
0.67741935483871	0.05656	0.05459	0.04896	0.04243	0.04121	0.03376
0.709677419354839	0.05606	0.05382	0.04731	0.04164	0.04046	0.03281
0.741935483870968	0.05581	0.05307	0.04497	0.04069	0.03858	0.03235
0.774193548387097	0.05445	0.05152	0.04469	0.0393	0.03714	0.03096
0.806451612903226	0.05265	0.04955	0.04261	0.03661	0.0354	0.03071
0.838709677419355	0.05226	0.04946	0.04254	0.03575	0.03498	0.03047
0.870967741935484	0.05087	0.04926	0.04163	0.03451	0.03302	0.0288
0.903225806451613	0.04162	0.03993	0.0359	0.03339	0.03153	0.02807
0.935483870967742	0.03564	0.03366	0.02848	0.0271	0.0262	0.0201
0.967741935483871	0.01524	0.01388	0.009984	0.007635	0.006699	0.001689

0.1	0.100499	0.093623	0.078695	0.066209	0.065489	0.042975

Average of yearly averages: 0.0357623

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

Data used for this run:
Output File: GAONION9502
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	0.04	mg/L		
Kd Kd		mg/L		
Koc Koc	3911	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	0.635	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	15-9	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)	

ONION SEED_ TYPICAL RATE_FIPRONIL

stored as GAONIONFIP2.out
Chemical: Fipronil
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.439	0.3962	0.2956	0.2112	0.1705	0.04351
1962	0.4808	0.4303	0.2855	0.2314	0.1714	0.07305
1963	0.8817	0.7893	0.6175	0.3988	0.2927	0.08886
1964	1.387	1.253	1.059	0.6837	0.6102	0.184
1965	0.4555	0.4092	0.2887	0.2239	0.1944	0.07858
1966	0.3733	0.3369	0.2261	0.1563	0.1276	0.04981
1967	0.533	0.5089	0.4018	0.2301	0.1679	0.08839
1968	0.4883	0.4398	0.3294	0.2364	0.2083	0.06336
1969	1.499	1.363	0.9447	0.5562	0.4496	0.1261
1970	0.7085	0.6298	0.4189	0.263	0.2087	0.08561
1971	0.9382	0.8439	0.662	0.4169	0.3392	0.1024
1972	0.5308	0.4853	0.3905	0.2349	0.2147	0.06986
1973	0.2702	0.244	0.1652	0.1121	0.1013	0.04728
1974	0.4374	0.3931	0.2692	0.2365	0.1832	0.06199
1975	0.8032	0.7184	0.5294	0.3262	0.2386	0.07513
1976	0.7823	0.7062	0.4785	0.3768	0.2896	0.08396
1977	0.4081	0.3684	0.2756	0.2191	0.1731	0.05905
1978	0.3591	0.327	0.2618	0.2083	0.1747	0.06711
1979	1.032	0.9295	0.667	0.3971	0.3103	0.09574
1980	0.4594	0.4147	0.3016	0.2099	0.1631	0.05429
1981	0.5658	0.5044	0.349	0.2288	0.1657	0.05543
1982	0.2805	0.2564	0.1901	0.1293	0.09953	0.05168
1983	0.4971	0.4484	0.3029	0.2001	0.1689	0.08156
1984	1.115	0.9957	0.7296	0.4321	0.3162	0.1041
1985	0.4919	0.437	0.2876	0.172	0.172	0.05902
1986	0.6239	0.5615	0.3899	0.2784	0.2709	0.09246
1987	0.3885	0.3495	0.25	0.1632	0.1332	0.0571
1988	0.3891	0.3634	0.2674	0.1703	0.1276	0.04957
1989	2.917	2.628	1.994	1.177	0.8738	0.2317
1990	5.113	4.735	3.221	1.725	1.257	0.3301

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	5.113	4.735	3.221	1.725	1.257	0.3301
0.0645161290322581	2.917	2.628	1.994	1.177	0.8738	0.2317
0.0967741935483871	1.499	1.363	1.059	0.6837	0.6102	0.184
0.129032258064516	1.387	1.253	0.9447	0.5562	0.4496	0.1261
0.161290322580645	1.115	0.9957	0.7296	0.4321	0.3392	0.1041
0.193548387096774	1.032	0.9295	0.667	0.4169	0.3162	0.1024
0.225806451612903	0.9382	0.8439	0.662	0.3988	0.3103	0.09574
0.258064516129032	0.8817	0.7893	0.6175	0.3971	0.2927	0.09246
0.290322580645161	0.8032	0.7184	0.5294	0.3768	0.2896	0.08886
0.32258064516129	0.7823	0.7062	0.4785	0.3262	0.2709	0.08839
0.354838709677419	0.7085	0.6298	0.4189	0.2784	0.2386	0.08561
0.387096774193548	0.6239	0.5615	0.4018	0.263	0.2147	0.08396
0.419354838709677	0.5658	0.5089	0.3905	0.2365	0.2087	0.08156
0.451612903225806	0.533	0.5044	0.3899	0.2364	0.2083	0.07858
0.483870967741936	0.5308	0.4853	0.349	0.2349	0.1944	0.07513
0.516129032258065	0.4971	0.4484	0.3294	0.2314	0.1832	0.07305
0.548387096774194	0.4919	0.4398	0.3029	0.2301	0.1747	0.06986
0.580645161290323	0.4883	0.437	0.3016	0.2288	0.1731	0.06711
0.612903225806452	0.4808	0.4303	0.2956	0.2239	0.172	0.06336
0.645161290322581	0.4594	0.4147	0.2887	0.2191	0.1714	0.06199
0.67741935483871	0.4555	0.4092	0.2876	0.2112	0.1705	0.05905
0.709677419354839	0.439	0.3962	0.2855	0.2099	0.1689	0.05902
0.741935483870968	0.4374	0.3931	0.2756	0.2083	0.1679	0.0571

0.774193548387097	0.4081	0.3684	0.2692	0.2001	0.1657	0.05543
0.806451612903226	0.3891	0.3634	0.2674	0.172	0.1631	0.05429
0.838709677419355	0.3885	0.3495	0.2618	0.1703	0.1332	0.05168
0.870967741935484	0.3733	0.3369	0.25	0.1632	0.1276	0.04981
0.903225806451613	0.3591	0.327	0.2261	0.1563	0.1276	0.04957
0.935483870967742	0.2805	0.2564	0.1901	0.1293	0.1013	0.04728
0.967741935483871	0.2702	0.244	0.1652	0.1121	0.09953	0.04351

0.1	1.4878	1.352	1.04757	0.67095	0.59414	0.17821

Average of yearly averages: 0.09036

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

Data used for this run:
Output File: GAONIONFIP2
Metfile: w03822.dvf
PRZM scenario: GAOnionsC.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	8	integer	See PRZM manual		
Incorporation Depth:	DEPI	0.635	cm		
Application Rate:	TAPP	0.054	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_ TYPICAL RATE_MB136

stored as GAONION1362.out
Chemical: MB46136
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.03305	0.02995	0.02119	0.01614	0.01416	0.003571
1962	0.07869	0.07407	0.06236	0.05923	0.05729	0.04364
1963	0.1802	0.1694	0.1347	0.1032	0.09126	0.06903
1964	0.2258	0.2098	0.1801	0.1502	0.152	0.115
1965	0.1241	0.1214	0.1132	0.1074	0.1078	0.09713
1966	0.1476	0.1391	0.1247	0.1086	0.1016	0.08686
1967	0.1596	0.154	0.1346	0.103	0.09349	0.08207
1968	0.126	0.1189	0.09718	0.07852	0.07515	0.06362
1969	0.2294	0.2126	0.1641	0.1261	0.1136	0.08924
1970	0.1552	0.1495	0.1278	0.1166	0.1095	0.09478
1971	0.2022	0.1878	0.1537	0.1199	0.1242	0.09464
1972	0.1464	0.1381	0.1205	0.09811	0.09553	0.09126
1973	0.1498	0.1411	0.1201	0.1008	0.09821	0.08258
1974	0.121	0.1135	0.09453	0.08303	0.07941	0.06968
1975	0.1359	0.1279	0.1121	0.09564	0.09621	0.07635
1976	0.1898	0.177	0.1382	0.1218	0.117	0.09684
1977	0.1156	0.1118	0.1012	0.08911	0.08435	0.07747
1978	0.0948	0.09076	0.08128	0.07597	0.07167	0.06536
1979	0.1866	0.1727	0.1372	0.1254	0.1138	0.09045
1980	0.1299	0.1234	0.1077	0.09233	0.08761	0.07456
1981	0.1686	0.1612	0.1285	0.1039	0.09736	0.06905
1982	0.1515	0.1416	0.1221	0.1126	0.1071	0.08168
1983	0.1557	0.1462	0.1223	0.1064	0.1011	0.08913
1984	0.2009	0.1865	0.1473	0.1253	0.1137	0.09418
1985	0.121	0.1141	0.09736	0.08132	0.08075	0.07331
1986	0.128	0.1208	0.1025	0.09517	0.0936	0.08213
1987	0.1547	0.1456	0.1241	0.1062	0.09951	0.09015
1988	0.1408	0.1321	0.1161	0.1003	0.0942	0.07718
1989	0.2794	0.2578	0.2175	0.1655	0.1476	0.08916
1990	0.503	0.474	0.3501	0.2367	0.1984	0.116

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.503	0.474	0.3501	0.2367	0.1984	0.116	
0.0645161290322581	0.2794	0.2578	0.2175	0.1655	0.152	0.115	
0.0967741935483871	0.2294	0.2126	0.1801	0.1502	0.1476	0.09713	
0.129032258064516	0.2258	0.2098	0.1641	0.1261	0.1242	0.09684	
0.161290322580645	0.2022	0.1878	0.1537	0.1254	0.117	0.09478	
0.193548387096774	0.2009	0.1865	0.1473	0.1253	0.1138	0.09464	
0.225806451612903	0.1898	0.177	0.1382	0.1218	0.1137	0.09418	
0.258064516129032	0.1866	0.1727	0.1372	0.1199	0.1136	0.09126	
0.290322580645161	0.1802	0.1694	0.1347	0.1166	0.1095	0.09045	
0.32258064516129	0.1686	0.1612	0.1346	0.1126	0.1078	0.09015	
0.354838709677419	0.1596	0.154	0.1285	0.1086	0.1071	0.08924	
0.387096774193548	0.1557	0.1495	0.1278	0.1074	0.1016	0.08916	
0.419354838709677	0.1552	0.1462	0.1247	0.1064	0.1011	0.08913	
0.451612903225806	0.1547	0.1456	0.1241	0.1062	0.09951	0.08686	
0.483870967741936	0.1515	0.1416	0.1223	0.1039	0.09821	0.08258	
0.516129032258065	0.1498	0.1411	0.1221	0.1032	0.09736	0.08213	
0.548387096774194	0.1476	0.1391	0.1205	0.103	0.09621	0.08207	
0.580645161290323	0.1464	0.1381	0.1201	0.1008	0.09553	0.08168	
0.612903225806452	0.1408	0.1321	0.1161	0.1003	0.0942	0.07747	
0.645161290322581	0.1359	0.1279	0.1132	0.09811	0.0936	0.07718	
0.67741935483871	0.1299	0.1234	0.1121	0.09564	0.09349	0.07635	
0.709677419354839	0.128	0.1214	0.1077	0.09517	0.09126	0.07456	
0.741935483870968	0.126	0.1208	0.1025	0.09233	0.08761	0.07331	
0.774193548387097	0.1241	0.1189	0.1012	0.08911	0.08435	0.06968	
0.806451612903226	0.121	0.1141	0.09736	0.08303	0.08075	0.06905	
0.838709677419355	0.121	0.1135	0.09718	0.08132	0.07941	0.06903	
0.870967741935484	0.1156	0.1118	0.09453	0.07852	0.07515	0.06536	
0.903225806451613	0.0948	0.09076	0.08128	0.07597	0.07167	0.06362	

0.935483870967742	0.07869	0.07407	0.06236	0.05923	0.05729	0.04364
0.967741935483871	0.03305	0.02995	0.02119	0.01614	0.01416	0.003571
0.1	0.22904	0.21232	0.1785	0.14779	0.14526	0.097101

Average of yearly averages: 0.0808700333333333

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

Data used for this run:
Output File: GAONION1362
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	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm	
Application Rate:	TAPP	0.013	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)	

stored as GAONION5132.out
Chemical: MB46513
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.004169	0.003967	0.003269	0.002618	0.002284	0.0005737
1962	0.005622	0.005473	0.004776	0.003861	0.003754	0.002908
1963	0.007335	0.007019	0.006117	0.005465	0.004748	0.003034
1964	0.01398	0.01341	0.01142	0.009783	0.009737	0.005242
1965	0.00831	0.008057	0.007161	0.006101	0.005856	0.004144
1966	0.005775	0.005578	0.004927	0.004588	0.004467	0.002993
1967	0.008933	0.008677	0.008059	0.00621	0.005373	0.00349
1968	0.004748	0.004564	0.003923	0.003743	0.003703	0.002401
1969	0.01435	0.01368	0.01136	0.008829	0.007032	0.003669
1970	0.006884	0.006664	0.006025	0.005057	0.004901	0.00395
1971	0.00881	0.008453	0.008007	0.006744	0.006018	0.003424
1972	0.007923	0.007583	0.006515	0.004541	0.004075	0.003096
1973	0.005249	0.005068	0.004434	0.004057	0.003949	0.002798
1974	0.005114	0.004909	0.004195	0.003852	0.003482	0.00271
1975	0.006653	0.006382	0.005742	0.004901	0.004259	0.003079
1976	0.008043	0.007716	0.006864	0.005975	0.005177	0.00328
1977	0.005719	0.00553	0.004928	0.003992	0.003544	0.002613
1978	0.005396	0.005176	0.004419	0.003847	0.003314	0.00259
1979	0.007953	0.007624	0.006862	0.005724	0.00523	0.003351
1980	0.005392	0.005196	0.004692	0.003983	0.003595	0.002761
1981	0.005442	0.005216	0.004497	0.00361	0.003136	0.00247
1982	0.005316	0.005105	0.00453	0.004033	0.003668	0.002887
1983	0.006794	0.006537	0.00578	0.005185	0.00507	0.003478
1984	0.009485	0.00908	0.007745	0.006535	0.005842	0.004163
1985	0.004775	0.00459	0.004007	0.003424	0.003208	0.00274
1986	0.006368	0.006104	0.005401	0.004844	0.004819	0.00349
1987	0.008458	0.008134	0.007202	0.006063	0.00531	0.003069
1988	0.00467	0.00449	0.004024	0.003421	0.003321	0.002533
1989	0.01966	0.01873	0.01709	0.01407	0.0123	0.004687
1990	0.03858	0.03719	0.03098	0.02316	0.01897	0.00774

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.03858	0.03719	0.03098	0.02316	0.01897	0.00774	
0.0645161290322581	0.01966	0.01873	0.01709	0.01407	0.0123	0.005242	
0.0967741935483871	0.01435	0.01368	0.01142	0.009783	0.009737	0.004687	
0.129032258064516	0.01398	0.01341	0.01136	0.008829	0.007032	0.004163	
0.161290322580645	0.009485	0.00908	0.008059	0.006744	0.006018	0.004144	
0.193548387096774	0.008933	0.008677	0.008007	0.006535	0.005856	0.00395	
0.225806451612903	0.00881	0.008453	0.007745	0.00621	0.005842	0.003669	
0.258064516129032	0.008458	0.008134	0.007202	0.006101	0.005373	0.00349	
0.290322580645161	0.00831	0.008057	0.007161	0.006063	0.00531	0.00349	
0.32258064516129	0.008043	0.007716	0.006864	0.005975	0.00523	0.003478	
0.354838709677419	0.007953	0.007624	0.006862	0.005724	0.005177	0.003424	
0.387096774193548	0.007923	0.007583	0.006515	0.005465	0.00507	0.003351	
0.419354838709677	0.007335	0.007019	0.006117	0.005185	0.004901	0.00328	
0.451612903225806	0.006884	0.006664	0.006025	0.005057	0.004819	0.003096	
0.483870967741936	0.006794	0.006537	0.00578	0.004901	0.004748	0.003079	
0.516129032258065	0.006653	0.006382	0.005742	0.004844	0.004467	0.003069	
0.548387096774194	0.006368	0.006104	0.005401	0.004588	0.004259	0.003034	
0.580645161290323	0.005775	0.005578	0.004928	0.004541	0.004075	0.002993	
0.612903225806452	0.005719	0.00553	0.004927	0.004057	0.003949	0.002908	
0.645161290322581	0.005622	0.005473	0.004776	0.004033	0.003754	0.002887	
0.67741935483871	0.005442	0.005216	0.004692	0.003992	0.003703	0.002798	
0.709677419354839	0.005396	0.005196	0.00453	0.003983	0.003668	0.002761	
0.741935483870968	0.005392	0.005176	0.004497	0.003861	0.003595	0.00274	
0.774193548387097	0.005316	0.005105	0.004434	0.003852	0.003544	0.00271	
0.806451612903226	0.005249	0.005068	0.004419	0.003847	0.003482	0.002613	
0.838709677419355	0.005114	0.004909	0.004195	0.003743	0.003321	0.00259	
0.870967741935484	0.004775	0.00459	0.004024	0.00361	0.003314	0.002533	
0.903225806451613	0.004748	0.004564	0.004007	0.003424	0.003208	0.00247	
0.935483870967742	0.00467	0.00449	0.003923	0.003421	0.003136	0.002401	
0.967741935483871	0.004169	0.003967	0.003269	0.002618	0.002284	0.0005737	
0.1	0.014313	0.013653	0.011414	0.0096876	0.0094665	0.0046346	

Average of yearly averages: 0.00331212333333333

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

Data used for this run:
Output File: GAONION5132
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	8	integer	See PRZM manual	
Incorporation Depth:	DEPI	0.635	cm	
Application Rate:	TAPP	0.0005	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_ TYPICAL RATE_MB950

stored as GAONION9502.out
Chemical: MB45950
PRZM environment: GAOnionsC.txt modified Tueday, 4 May 2004 at 12:18:36
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	0.007203	0.006564	0.00472	0.00361	0.003167	0.0007986
1962	0.01685	0.01591	0.01346	0.01281	0.01238	0.009506
1963	0.03667	0.0346	0.02789	0.02159	0.01914	0.01465
1964	0.04624	0.04364	0.0375	0.03181	0.03217	0.02416
1965	0.02639	0.02581	0.02401	0.02261	0.02269	0.02034
1966	0.03007	0.02844	0.02569	0.02248	0.02106	0.0181
1967	0.03322	0.03205	0.02827	0.02173	0.01969	0.01717
1968	0.02574	0.02435	0.02011	0.01631	0.01561	0.01327
1969	0.04765	0.04433	0.03459	0.0267	0.02375	0.01866
1970	0.03148	0.03039	0.02622	0.02415	0.02279	0.0198
1971	0.04042	0.03774	0.03126	0.02523	0.02576	0.01971
1972	0.03047	0.02881	0.02518	0.02014	0.01966	0.01895
1973	0.03047	0.0288	0.02473	0.02088	0.02037	0.01715
1974	0.02489	0.02343	0.01968	0.01731	0.01653	0.01452
1975	0.0283	0.02672	0.02314	0.02006	0.02	0.01596
1976	0.03864	0.03622	0.02864	0.02534	0.02431	0.02012
1977	0.02405	0.02329	0.02112	0.01858	0.01756	0.01606
1978	0.01968	0.01887	0.01697	0.01578	0.0149	0.01362
1979	0.03807	0.0354	0.02854	0.02603	0.02356	0.01884
1980	0.02674	0.02544	0.02236	0.01924	0.01824	0.01551
1981	0.03406	0.03269	0.02635	0.02149	0.02026	0.0144
1982	0.03106	0.02916	0.02529	0.02337	0.02224	0.01704
1983	0.03219	0.03035	0.02552	0.02228	0.02117	0.0186
1984	0.04138	0.03859	0.03075	0.02629	0.02388	0.01971
1985	0.0247	0.02338	0.02014	0.0169	0.01674	0.01529
1986	0.0265	0.02509	0.02126	0.01968	0.01948	0.01718
1987	0.03219	0.0304	0.02607	0.02237	0.02044	0.01871
1988	0.02858	0.02691	0.02375	0.02076	0.0195	0.01599
1989	0.05833	0.05405	0.04613	0.0354	0.03153	0.01873
1990	0.1052	0.09956	0.07459	0.05099	0.04268	0.02464

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.1052	0.09956	0.07459	0.05099	0.04268	0.02464	
0.0645161290322581	0.05833	0.05405	0.04613	0.0354	0.03217	0.02416	
0.0967741935483871	0.04765	0.04433	0.0375	0.03181	0.03153	0.02034	
0.129032258064516	0.04624	0.04364	0.03459	0.0267	0.02576	0.02012	
0.161290322580645	0.04138	0.03859	0.03126	0.02629	0.02431	0.0198	
0.193548387096774	0.04042	0.03774	0.03075	0.02603	0.02388	0.01971	
0.225806451612903	0.03864	0.03622	0.02864	0.02534	0.02375	0.01971	
0.258064516129032	0.03807	0.0354	0.02854	0.02523	0.02356	0.01895	
0.290322580645161	0.03667	0.0346	0.02827	0.02415	0.02279	0.01884	
0.32258064516129	0.03406	0.03269	0.02789	0.02337	0.02269	0.01873	
0.354838709677419	0.03322	0.03205	0.02635	0.02261	0.02224	0.01871	
0.387096774193548	0.03219	0.0304	0.02622	0.02248	0.02117	0.01866	
0.419354838709677	0.03219	0.03039	0.02607	0.02237	0.02106	0.0186	
0.451612903225806	0.03148	0.03035	0.02569	0.02228	0.02044	0.0181	
0.483870967741936	0.03106	0.02916	0.02552	0.02173	0.02037	0.01718	
0.516129032258065	0.03047	0.02881	0.02529	0.02159	0.02026	0.01717	
0.548387096774194	0.03047	0.0288	0.02518	0.02149	0.02	0.01715	
0.580645161290323	0.03007	0.02844	0.02473	0.02088	0.01969	0.01704	
0.612903225806452	0.02858	0.02691	0.02401	0.02076	0.01966	0.01606	
0.645161290322581	0.0283	0.02672	0.02375	0.02014	0.0195	0.01599	
0.67741935483871	0.02674	0.02581	0.02314	0.02006	0.01948	0.01596	
0.709677419354839	0.0265	0.02544	0.02236	0.01968	0.01914	0.01551	
0.741935483870968	0.02639	0.02509	0.02126	0.01924	0.01824	0.01529	
0.774193548387097	0.02574	0.02435	0.02112	0.01858	0.01756	0.01465	
0.806451612903226	0.02489	0.02343	0.02014	0.01731	0.01674	0.01452	
0.838709677419355	0.0247	0.02338	0.02011	0.0169	0.01653	0.0144	
0.870967741935484	0.02405	0.02329	0.01968	0.01631	0.01561	0.01362	
0.903225806451613	0.01968	0.01887	0.01697	0.01578	0.0149	0.01327	
0.935483870967742	0.01685	0.01591	0.01346	0.01281	0.01238	0.009506	
0.967741935483871	0.007203	0.006564	0.00472	0.00361	0.003167	0.0007986	
0.1	0.047509	0.044261	0.037209	0.031299	0.030953	0.020318	

Average of yearly averages: 0.0169061533333333

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

Data used for this run:
Output File: GAONION9502
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	0.04	mg/L			
Kd	Kd		mg/L			
Koc	Koc	3911	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	0.635	cm		
Application Rate:		TAPP	0.0026	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: Fipronil
PRZM environment: NCSweetPotatoC.txt modified Friday, 8 August 2003 at 08:25:48
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
0.0645161290322581	0	0	0	0	0	0	0
0.0967741935483871	0	0	0	0	0	0	0
0.129032258064516	0	0	0	0	0	0	0
0.161290322580645	0	0	0	0	0	0	0
0.193548387096774	0	0	0	0	0	0	0
0.225806451612903	0	0	0	0	0	0	0
0.258064516129032	0	0	0	0	0	0	0
0.290322580645161	0	0	0	0	0	0	0
0.32258064516129	0	0	0	0	0	0	0
0.354838709677419	0	0	0	0	0	0	0
0.387096774193548	0	0	0	0	0	0	0
0.419354838709677	0	0	0	0	0	0	0
0.451612903225806	0	0	0	0	0	0	0
0.483870967741936	0	0	0	0	0	0	0
0.516129032258065	0	0	0	0	0	0	0
0.548387096774194	0	0	0	0	0	0	0
0.580645161290323	0	0	0	0	0	0	0
0.612903225806452	0	0	0	0	0	0	0
0.645161290322581	0	0	0	0	0	0	0
0.67741935483871	0	0	0	0	0	0	0
0.709677419354839	0	0	0	0	0	0	0
0.741935483870968	0	0	0	0	0	0	0
0.774193548387097	0	0	0	0	0	0	0
0.806451612903226	0	0	0	0	0	0	0
0.838709677419355	0	0	0	0	0	0	0
0.870967741935484	0	0	0	0	0	0	0
0.903225806451613	0	0	0	0	0	0	0
0.935483870967742	0	0	0	0	0	0	0
0.967741935483871	0	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: 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	8	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 08:25:48
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
0.064516129032258	1	0	0	0	0	0	0
0.096774193548387	1	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	8	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 08:25:48
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	8	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 08:25:48
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	0.04	mg/L		
Kd	Kd		mg/L		
Koc	Koc	3911	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	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: ORsnbeansC.txt modified Satday, 12 October 2002 at 16:20:58
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	0.2941	0.2771	0.2366	0.201	0.165	0.04863
1962	0.6791	0.6347	0.5034	0.4091	0.3514	0.1133
1963	0.5241	0.4942	0.4393	0.3451	0.2589	0.09148
1964	0.4354	0.4181	0.3604	0.2818	0.1911	0.07758
1965	0.5995	0.5707	0.462	0.3281	0.2426	0.09798
1966	0.5041	0.4833	0.414	0.3283	0.2348	0.09438
1967	0.4595	0.4353	0.3455	0.3053	0.2577	0.09434
1968	0.4644	0.4455	0.3781	0.3084	0.293	0.1341
1969	0.6301	0.5811	0.469	0.4035	0.3498	0.1376
1970	0.4523	0.4314	0.3888	0.3102	0.2552	0.08998
1971	0.5193	0.4845	0.3552	0.287	0.2542	0.1198
1972	0.5092	0.4826	0.3436	0.2375	0.1855	0.06515
1973	0.5967	0.5668	0.49	0.3417	0.276	0.1245
1974	0.7106	0.6841	0.5646	0.4306	0.2961	0.09548
1975	0.411	0.3891	0.3482	0.2817	0.2107	0.08649
1976	0.1321	0.1255	0.1038	0.06996	0.05503	0.02921
1977	0.2916	0.2758	0.2432	0.1934	0.155	0.0688
1978	0.2544	0.2376	0.2161	0.1531	0.1192	0.0641
1979	0.6742	0.6521	0.5661	0.4274	0.3393	0.1303
1980	0.5357	0.5091	0.405	0.2969	0.2058	0.09849
1981	0.6782	0.6387	0.5049	0.4017	0.3631	0.1785
1982	0.3536	0.3368	0.2927	0.2184	0.1695	0.06894
1983	0.2585	0.2443	0.2201	0.1656	0.123	0.08729
1984	0.4926	0.4662	0.3497	0.2507	0.2064	0.1122
1985	1.153	1.056	0.7747	0.4156	0.2938	0.1353
1986	0.3901	0.3707	0.3183	0.2407	0.2034	0.07896
1987	0.8443	0.7948	0.6994	0.378	0.2587	0.1292

1988	0.5063	0.4841	0.4003	0.2833	0.1936	0.1223
1989	0.5433	0.5119	0.4	0.3091	0.2398	0.08645
1990	0.5093	0.4764	0.4271	0.3538	0.2686	0.1112

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129		1.153	1.056	0.7747	0.4306	0.3631	0.1785
0.0645161290322581		0.8443	0.7948	0.6994	0.4274	0.3514	0.1376
0.0967741935483871		0.7106	0.6841	0.5661	0.4156	0.3498	0.1353
0.129032258064516		0.6791	0.6521	0.5646	0.4091	0.3393	0.1341
0.161290322580645		0.6782	0.6387	0.5049	0.4035	0.2961	0.1303
0.193548387096774		0.6742	0.6347	0.5034	0.4017	0.2938	0.1292
0.225806451612903		0.6301	0.5811	0.49	0.378	0.293	0.1245
0.258064516129032		0.5995	0.5707	0.469	0.3538	0.276	0.1223
0.290322580645161		0.5967	0.5668	0.462	0.3451	0.2686	0.1198
0.32258064516129		0.5433	0.5119	0.4393	0.3417	0.2589	0.1133
0.354838709677419		0.5357	0.5091	0.4271	0.3283	0.2587	0.1122
0.387096774193548		0.5241	0.4942	0.414	0.3281	0.2577	0.1112
0.419354838709677		0.5193	0.4845	0.405	0.3102	0.2552	0.09849
0.451612903225806		0.5093	0.4841	0.4003	0.3091	0.2542	0.09798
0.483870967741936		0.5092	0.4833	0.4	0.3084	0.2426	0.09548
0.516129032258065		0.5063	0.4826	0.3888	0.3053	0.2398	0.09438
0.548387096774194		0.5041	0.4764	0.3781	0.2969	0.2348	0.09434
0.580645161290323		0.4926	0.4662	0.3604	0.287	0.2107	0.09148
0.612903225806452		0.4644	0.4455	0.3552	0.2833	0.2064	0.08998
0.645161290322581		0.4595	0.4353	0.3497	0.2818	0.2058	0.08729
0.67741935483871		0.4523	0.4314	0.3482	0.2817	0.2034	0.08649
0.709677419354839		0.4354	0.4181	0.3455	0.2507	0.1936	0.08645
0.741935483870968		0.411	0.3891	0.3436	0.2407	0.1911	0.07896
0.774193548387097		0.3901	0.3707	0.3183	0.2375	0.1855	0.07758
0.806451612903226		0.3536	0.3368	0.2927	0.2184	0.1695	0.06894
0.838709677419355		0.2941	0.2771	0.2432	0.201	0.165	0.0688
0.870967741935484		0.2916	0.2758	0.2366	0.1934	0.155	0.06515
0.903225806451613		0.2585	0.2443	0.2201	0.1656	0.123	0.0641
0.935483870967742		0.2544	0.2376	0.2161	0.1531	0.1192	0.04863
0.967741935483871		0.1321	0.1255	0.1038	0.06996	0.05503	0.02921
0.1	0.70745	0.6809	0.56595	0.41495	0.34875	0.13518	

Average of yearly averages: 0.0990676666666667

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

Data used for this run:
Output File: TURNFIP
Metfile: w24232.dvf
PRZM scenario: ORsnbeansC.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	8	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: ORsnbeansC.txt modified Satday, 12 October 2002 at 16:20:58
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	0.0978	0.09009	0.06058	0.03623	0.02725	0.00724
1962	0.1789	0.1673	0.1419	0.1064	0.09777	0.05174
1963	0.1811	0.1707	0.1517	0.133	0.1191	0.1029
1964	0.366	0.3482	0.2443	0.1717	0.1505	0.1204
1965	0.2864	0.2758	0.2351	0.2179	0.1965	0.1465
1966	0.3207	0.3102	0.264	0.2042	0.1966	0.1508
1967	0.2414	0.2355	0.2053	0.1761	0.1667	0.1352
1968	0.284	0.2726	0.2472	0.2109	0.1982	0.1616
1969	0.2752	0.2657	0.2442	0.2198	0.204	0.1698
1970	0.312	0.3011	0.2733	0.2454	0.2284	0.174
1971	0.2687	0.2563	0.2407	0.2134	0.2059	0.1736
1972	0.2988	0.2847	0.2421	0.2107	0.2014	0.1568
1973	0.3672	0.3497	0.3152	0.273	0.2188	0.1534
1974	0.3913	0.3758	0.3245	0.2753	0.2597	0.1958
1975	0.2394	0.2283	0.1984	0.1911	0.1851	0.1535
1976	0.219	0.2106	0.1906	0.175	0.1731	0.1297
1977	0.2993	0.2816	0.2329	0.166	0.1358	0.09709
1978	0.2284	0.2181	0.1944	0.1683	0.1534	0.1216
1979	0.2023	0.1924	0.1748	0.1598	0.1487	0.1184
1980	0.3269	0.3071	0.2338	0.183	0.1665	0.1391
1981	0.2882	0.2771	0.2616	0.2279	0.209	0.1593
1982	0.2592	0.2472	0.2264	0.2185	0.2091	0.166
1983	0.2546	0.2488	0.2351	0.218	0.2111	0.1725
1984	0.2529	0.2448	0.2156	0.2018	0.1769	0.1518
1985	0.1989	0.1908	0.1679	0.1513	0.1474	0.1328
1986	0.2188	0.2112	0.192	0.1616	0.1535	0.1267
1987	0.3255	0.3051	0.2654	0.1765	0.1624	0.1364
1988	0.2702	0.2568	0.2273	0.1878	0.1729	0.1395
1989	0.2427	0.2291	0.1868	0.1484	0.1501	0.1237
1990	0.2284	0.2208	0.2113	0.1896	0.1763	0.1385

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.3913	0.3758	0.3245	0.2753	0.2597	0.1958	

0.0645161290322581	0.3672	0.3497	0.3152	0.273	0.2284	0.174
0.0967741935483871	0.366	0.3482	0.2733	0.2454	0.2188	0.1736
0.129032258064516	0.3269	0.3102	0.2654	0.2279	0.2111	0.1725
0.161290322580645	0.3255	0.3071	0.264	0.2198	0.2091	0.1698
0.193548387096774	0.3207	0.3051	0.2616	0.2185	0.209	0.166
0.225806451612903	0.312	0.3011	0.2472	0.218	0.2059	0.1616
0.258064516129032	0.2993	0.2847	0.2443	0.2179	0.204	0.1593
0.290322580645161	0.2988	0.2816	0.2442	0.2134	0.2014	0.1568
0.32258064516129	0.2882	0.2771	0.2421	0.2109	0.1982	0.1535
0.354838709677419	0.2864	0.2758	0.2407	0.2107	0.1966	0.1534
0.387096774193548	0.284	0.2726	0.2351	0.2042	0.1965	0.1518
0.419354838709677	0.2752	0.2657	0.2351	0.2018	0.1851	0.1508
0.451612903225806	0.2702	0.2568	0.2338	0.1911	0.1769	0.1465
0.483870967741936	0.2687	0.2563	0.2329	0.1896	0.1763	0.1395
0.516129032258065	0.2592	0.2488	0.2273	0.1878	0.1731	0.1391
0.548387096774194	0.2546	0.2472	0.2264	0.183	0.1729	0.1385
0.580645161290323	0.2529	0.2448	0.2156	0.1765	0.1667	0.1364
0.612903225806452	0.2427	0.2355	0.2113	0.1761	0.1665	0.1352
0.645161290322581	0.2414	0.2291	0.2053	0.175	0.1624	0.1328
0.67741935483871	0.2394	0.2283	0.1984	0.1717	0.1535	0.1297
0.709677419354839	0.2284	0.2208	0.1944	0.1683	0.1534	0.1267
0.741935483870968	0.2284	0.2181	0.192	0.166	0.1505	0.1237
0.774193548387097	0.219	0.2112	0.1906	0.1616	0.1501	0.1216
0.806451612903226	0.2188	0.2106	0.1868	0.1598	0.1487	0.1204
0.838709677419355	0.2023	0.1924	0.1748	0.1513	0.1474	0.1184
0.870967741935484	0.1989	0.1908	0.1679	0.1484	0.1358	0.1029
0.903225806451613	0.1811	0.1707	0.1517	0.133	0.1191	0.09709
0.935483870967742	0.1789	0.1673	0.1419	0.1064	0.09777	0.05174
0.967741935483871	0.0978	0.09009	0.06058	0.03623	0.02725	0.00724

0.1	0.36209	0.3444	0.27251	0.24365	0.21803	0.17349

Average of yearly averages: 0.136879

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

Data used for this run:
Output File: TURNIP136
Metfile: w24232.dvf
PRZM scenario: ORsnbeansC.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	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: ORsnbeansC.txt modified Satday, 12 October 2002 at 16:20:58
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	0.0104	0.01004	0.007805	0.005131	0.003884	0.001067
1962	0.0145	0.01408	0.01309	0.01063	0.009661	0.00517
1963	0.01279	0.01248	0.01133	0.01011	0.008448	0.006593
1964	0.01929	0.01878	0.01465	0.01027	0.008388	0.006272
1965	0.01708	0.01669	0.0149	0.01266	0.01122	0.007533
1966	0.01764	0.01732	0.01576	0.01277	0.01142	0.007726
1967	0.01423	0.01393	0.01265	0.01037	0.009506	0.006939
1968	0.01324	0.01296	0.01231	0.01197	0.01154	0.008645
1969	0.01517	0.01484	0.01406	0.01253	0.01169	0.007829
1970	0.01557	0.01429	0.01378	0.01175	0.01069	0.007782
1971	0.01511	0.01467	0.01372	0.01178	0.01062	0.008241
1972	0.01624	0.01579	0.01156	0.008796	0.008096	0.005877
1973	0.02153	0.021	0.01973	0.01634	0.01276	0.008414
1974	0.01602	0.01565	0.01433	0.01237	0.01047	0.007687
1975	0.01368	0.01328	0.01233	0.01089	0.009942	0.007188
1976	0.01051	0.01025	0.009915	0.008642	0.007981	0.004947
1977	0.01504	0.01459	0.01308	0.009353	0.007366	0.004161
1978	0.01208	0.01175	0.01097	0.009152	0.008148	0.005623
1979	0.01388	0.01346	0.01257	0.01165	0.01038	0.006444
1980	0.0204	0.01973	0.01598	0.01139	0.009442	0.007206
1981	0.01817	0.01768	0.0169	0.0153	0.01408	0.009903
1982	0.01537	0.01491	0.01389	0.01185	0.01084	0.007716
1983	0.01423	0.01398	0.01294	0.01116	0.01018	0.007524
1984	0.01449	0.01419	0.01333	0.01229	0.01012	0.006766
1985	0.01144	0.0111	0.009968	0.009029	0.0078	0.006766
1986	0.01324	0.01293	0.01162	0.009331	0.007861	0.006041
1987	0.02192	0.02118	0.01904	0.01167	0.009138	0.007076
1988	0.01801	0.01749	0.01624	0.01395	0.01246	0.008465
1989	0.01505	0.0146	0.01282	0.00964	0.009041	0.006628
1990	0.01403	0.01361	0.01285	0.01213	0.01116	0.007891

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.02192	0.02118	0.01973	0.01634	0.01408	0.009903	
0.0645161290322581	0.02153	0.021	0.01904	0.0153	0.01276	0.008645	
0.0967741935483871	0.0204	0.01973	0.0169	0.01395	0.01246	0.008465	
0.129032258064516	0.01929	0.01878	0.01624	0.01277	0.01169	0.008414	
0.161290322580645	0.01817	0.01768	0.01598	0.01266	0.01154	0.008241	
0.193548387096774	0.01801	0.01749	0.01576	0.01253	0.01142	0.007891	
0.225806451612903	0.01764	0.01732	0.0149	0.01237	0.01122	0.007829	

0.258064516129032	0.01708	0.01669	0.01465	0.01229	0.01116	0.007782
0.290322580645161	0.01624	0.01579	0.01433	0.01213	0.01084	0.007726
0.32258064516129	0.01602	0.01565	0.01406	0.01197	0.01069	0.007716
0.354838709677419	0.01557	0.01491	0.01389	0.01185	0.01062	0.007687
0.387096774193548	0.01537	0.01484	0.01378	0.01178	0.01047	0.007533
0.419354838709677	0.01517	0.01467	0.01372	0.01175	0.01038	0.007524
0.451612903225806	0.01511	0.0146	0.01333	0.01167	0.01018	0.007206
0.483870967741936	0.01505	0.01459	0.01309	0.01165	0.01012	0.007188
0.516129032258065	0.01504	0.01429	0.01308	0.01139	0.009942	0.007076
0.548387096774194	0.0145	0.01419	0.01294	0.01116	0.009661	0.006939
0.580645161290323	0.01449	0.01408	0.01285	0.01089	0.009506	0.006766
0.612903225806452	0.01423	0.01398	0.01282	0.01063	0.009442	0.006766
0.645161290322581	0.01423	0.01393	0.01265	0.01037	0.009138	0.006628
0.67741935483871	0.01403	0.01361	0.01257	0.01027	0.009041	0.006593
0.709677419354839	0.01388	0.01346	0.01233	0.01011	0.008448	0.006444
0.741935483870968	0.01368	0.01328	0.01231	0.00964	0.008388	0.006272
0.774193548387097	0.01324	0.01296	0.01162	0.009353	0.008148	0.006041
0.806451612903226	0.01324	0.01293	0.01156	0.009331	0.008096	0.005877
0.838709677419355	0.01279	0.01248	0.01133	0.009152	0.007981	0.005623
0.870967741935484	0.01208	0.01175	0.01097	0.009029	0.007861	0.00517
0.903225806451613	0.01144	0.0111	0.009968	0.008796	0.0078	0.004947
0.935483870967742	0.01051	0.01025	0.009915	0.008642	0.007366	0.004161
0.967741935483871	0.0104	0.01004	0.007805	0.005131	0.003884	0.001067

0.1	0.020289	0.019635	0.016834	0.013832	0.012383	0.0084599

Average of yearly averages: 0.00687066666666667

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

Data used for this run:
Output File: TURNIP513
Metfile: w24232.dvf
PRZM scenario: ORsnbeansC.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	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: ORsnbeansC.txt modified Satday, 12 October 2002 at 16:20:58
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	0.02186	0.02024	0.01376	0.00826	0.006207	0.001652
1962	0.03951	0.03713	0.03186	0.02408	0.02212	0.0118
1963	0.03931	0.03757	0.03358	0.02956	0.02649	0.02299
1964	0.0787	0.07509	0.0532	0.03752	0.03323	0.0265
1965	0.06264	0.06044	0.05156	0.04803	0.04334	0.03218
1966	0.06928	0.06708	0.05759	0.04486	0.04309	0.033
1967	0.05211	0.05089	0.04472	0.0386	0.03655	0.02957
1968	0.06124	0.05895	0.05369	0.04602	0.04329	0.03534
1969	0.05926	0.05733	0.05296	0.04776	0.04435	0.03691
1970	0.0671	0.06488	0.05915	0.05331	0.04969	0.0378
1971	0.05823	0.05568	0.05246	0.04662	0.0449	0.03773
1972	0.06387	0.06106	0.05237	0.04574	0.04374	0.03394
1973	0.07926	0.07576	0.06888	0.05975	0.04786	0.03343
1974	0.08384	0.08074	0.07033	0.06007	0.05656	0.0425
1975	0.05185	0.04956	0.04324	0.04157	0.04025	0.03332
1976	0.04701	0.04533	0.04124	0.03811	0.03769	0.02815
1977	0.06493	0.06132	0.05111	0.0363	0.02966	0.02108
1978	0.05014	0.04799	0.04297	0.03718	0.03387	0.02663
1979	0.04405	0.04199	0.03833	0.03508	0.03259	0.02582
1980	0.07052	0.06651	0.05101	0.03981	0.03648	0.03037
1981	0.06291	0.06062	0.05737	0.05001	0.04587	0.03492
1982	0.05616	0.05366	0.04926	0.04786	0.04581	0.0362
1983	0.05482	0.05365	0.05085	0.0472	0.0459	0.03743
1984	0.05474	0.05309	0.04697	0.04397	0.03847	0.03294
1985	0.04308	0.04139	0.03664	0.03301	0.03212	0.02896
1986	0.04735	0.04579	0.04163	0.03524	0.0335	0.02766
1987	0.0703	0.06615	0.05782	0.03854	0.03552	0.02981
1988	0.05878	0.05602	0.04984	0.0414	0.03809	0.03061
1989	0.05239	0.04964	0.04089	0.03263	0.03293	0.02709
1990	0.04972	0.04817	0.0462	0.0416	0.03872	0.03035

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	0.08384	0.08074	0.07033	0.06007	0.05656	0.0425	
0.0645161290322581	0.07926	0.07576	0.06888	0.05975	0.04969	0.0378	
0.0967741935483871	0.0787	0.07509	0.05915	0.05331	0.04786	0.03773	
0.129032258064516	0.07052	0.06708	0.05782	0.05001	0.0459	0.03743	
0.161290322580645	0.0703	0.06651	0.05759	0.04803	0.04587	0.03691	
0.193548387096774	0.06928	0.06615	0.05737	0.04786	0.04581	0.0362	
0.225806451612903	0.0671	0.06488	0.05369	0.04776	0.0449	0.03534	
0.258064516129032	0.06493	0.06132	0.0532	0.0472	0.04435	0.03492	
0.290322580645161	0.06387	0.06106	0.05296	0.04662	0.04374	0.03394	
0.32258064516129	0.06291	0.06062	0.05246	0.04602	0.04334	0.03343	
0.354838709677419	0.06264	0.06044	0.05237	0.04574	0.04329	0.03332	
0.387096774193548	0.06124	0.05895	0.05156	0.04486	0.04309	0.033	
0.419354838709677	0.05926	0.05733	0.05111	0.04397	0.04025	0.03294	

0.451612903225806	0.05878	0.05602	0.05101	0.0416	0.03872	0.03218
0.483870967741936	0.05823	0.05568	0.05085	0.04157	0.03847	0.03061
0.516129032258065	0.05616	0.05366	0.04984	0.0414	0.03809	0.03037
0.548387096774194	0.05482	0.05365	0.04926	0.03981	0.03769	0.03035
0.580645161290323	0.05474	0.05309	0.04697	0.0386	0.03655	0.02981
0.612903225806452	0.05239	0.05089	0.0462	0.03854	0.03648	0.02957
0.645161290322581	0.05211	0.04964	0.04472	0.03811	0.03552	0.02896
0.67741935483871	0.05185	0.04956	0.04324	0.03752	0.03387	0.02815
0.709677419354839	0.05014	0.04817	0.04297	0.03718	0.0335	0.02766
0.741935483870968	0.04972	0.04799	0.04163	0.0363	0.03323	0.02709
0.774193548387097	0.04735	0.04579	0.04124	0.03524	0.03293	0.02663
0.806451612903226	0.04701	0.04533	0.04089	0.03508	0.03259	0.0265
0.838709677419355	0.04405	0.04199	0.03833	0.03301	0.03212	0.02582
0.870967741935484	0.04308	0.04139	0.03664	0.03263	0.02966	0.02299
0.903225806451613	0.03951	0.03757	0.03358	0.02956	0.02649	0.02108
0.935483870967742	0.03931	0.03713	0.03186	0.02408	0.02212	0.0118
0.967741935483871	0.02186	0.02024	0.01376	0.00826	0.006207	0.001652

0.1	0.077882	0.074289	0.059017	0.05298	0.047664	0.0377

Average of yearly averages: 0.0298894

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

Data used for this run:
Output File: Turnip45950
Metfile: w24232.dvf
PRZM scenario: ORsnbeansC.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	0.04	mg/L		
Kd Kd		mg/L		
Koc Koc	3911	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	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)	