

Appendix E. Calculation of Input Parameters for PRZM/EXAMS and Example GENEEC and PRZM/EXAMS Output Files

Table E1. Summary of aerobic soil metabolism data used to determine the input parameters for DCPA fate modeling.

MRID	Soil	Value or Equation	
		Linear/natural log Half-life (days) $y = mx+b$	
		With Unextractables	Without Unextractables
00114649 / 41648801	Sand Loam	55	29
00114649 / 41648801	Sandy Clay Loam	66	48
00114649 / 41648801	Clay	57	31
114652	Sand Loam	38	27
114652	Sandy Clay Loam	61	47
114652	Clay	41	29
Average		53	35
number of values = n		6	6
t90, alpha = 0.1 n-1 = 5		1.440	1.440
standard deviation		11	10
square root of n		2	2
upper confidence bound on the mean		60	41

GENEEC Output - The result indicates that EECs are at the solubility of DCPA.

Turf (Aerial)

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RUN No.    1 FOR DCPA                      ON    turf                      * INPUT VALUES *
-----
RATE (#/AC)  No.APPS &  SOIL  SOLUBIL  APPL TYPE NO-SPRAY INCORP
ONE(MULT)    INTERVAL   Koc  (PPB )  (%DRIFT)  (FT)    (IN)
-----
15.000( 72.467)  6   7    1863.0  500.0   AERL_B( 13.0)    .0    .0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)
-----
METABOLIC  DAYS UNTIL  HYDROLYSIS  PHOTOLYSIS  METABOLIC  COMBINED
(FIELD)    RAIN/RUNOFF  (POND)      (POND-EFF)  (POND)      (POND)
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53.00	2	N/A	.00-	.00	106.00	106.00
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GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
500.00	500.00	500.00	500.00	500.00

Lettuce (Ground)

RUN No.	1 FOR DCPA		ON lettuce		* INPUT VALUES *		
RATE (#/AC)	No.APPS &		SOIL	SOLUBIL	APPL TYPE	NO-SPRAY	INCORP
ONE(MULT)	INTERVAL		Koc	(PPB)	(%DRIFT)	(FT)	(IN)
10.500(10.500)	1	1	1863.0	500.0	(24.1)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
60.00	2	N/A	.00-	.00	120.00

GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
233.20	231.08	216.78	188.34	170.18

GENEEC Runs for TPA

RUN No.	1 FOR TPA		ON		Turf	* INPUT VALUES *	
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL		SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
14.000(84.000)	6	7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK	MAX 4 DAY	MAX 21 DAY	MAX 60 DAY	MAX 90 DAY
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GEEC	AVG GEEC	AVG GEEC	AVG GEEC	AVG GEEC
3.24	3.23	3.20	3.12	3.07

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RUN No.    2 FOR TPA                ON   Turf                * INPUT VALUES *
-----
RATE (#/AC)  No.APPS &    SOIL  SOLUBIL  APPL TYPE  NO-SPRAY INCORP
ONE(MULT)    INTERVAL    Kd   (PPM )  (%DRIFT)  ZONE(FT)  (IN)
-----
14.000( 14.000)  1   1        4.0 5780.0  AERL_B( 13.0)  .0   .0

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FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
569.88	568.89	563.08	550.30	541.01

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RUN No.    4 FOR TPA                ON   Turf                * INPUT VALUES *
-----
RATE (#/AC)  No.APPS &    SOIL  SOLUBIL  APPL TYPE  NO-SPRAY INCORP
ONE(MULT)    INTERVAL    Kd   (PPM )  (%DRIFT)  ZONE(FT)  (IN)
-----
10.400( 62.400)  6   7        4.0 5780.0  GRANUL( .0)  .0   .0

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FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
2.20	2.19	2.17	2.12	2.08

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RUN No.    5 FOR TPA                ON   turf                * INPUT VALUES *
-----
RATE (#/AC)  No.APPS &    SOIL  SOLUBIL  APPL TYPE  NO-SPRAY INCORP
ONE(MULT)    INTERVAL    Kd   (PPM )  (%DRIFT)  ZONE(FT)  (IN)
-----

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 14.000(84.000) 6 30 4.0 5780.0 AERL_B(13.0) .0 .0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

 METABOLIC DAYS UNTIL HYDROLYSIS PHOTOLYSIS METABOLIC COMBINED
 (FIELD) RAIN/RUNOFF (POND) (POND-EFF) (POND) (POND)

 .00 2 N/A .00- .00 .00 .00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

 PEAK MAX 4 DAY MAX 21 DAY MAX 60 DAY MAX 90 DAY
 GEEC AVG GEEC AVG GEEC AVG GEEC AVG GEEC

 3.42 3.41 3.38 3.30 3.25

RUN No. 6 FOR TPA ON nurs * INPUT VALUES *

 RATE (#/AC) No.APPS & SOIL SOLUBIL APPL TYPE NO-SPRAY INCORP
 ONE(MULT) INTERVAL Kd (PPM) (%DRIFT) ZONE(FT) (IN)

 11.000(66.000) 6 7 4.0 5780.0 AERL_B(13.0) .0 .0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

 METABOLIC DAYS UNTIL HYDROLYSIS PHOTOLYSIS METABOLIC COMBINED
 (FIELD) RAIN/RUNOFF (POND) (POND-EFF) (POND) (POND)

 .00 2 N/A .00- .00 .00 .00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

 PEAK MAX 4 DAY MAX 21 DAY MAX 60 DAY MAX 90 DAY
 GEEC AVG GEEC AVG GEEC AVG GEEC AVG GEEC

 2.69 2.68 2.65 2.59 2.55

RUN No. 7 FOR nurs ON nurs * INPUT VALUES *

 RATE (#/AC) No.APPS & SOIL SOLUBIL APPL TYPE NO-SPRAY INCORP
 ONE(MULT) INTERVAL Kd (PPM) (%DRIFT) ZONE(FT) (IN)

 11.000(66.000) 6 7 4.0 5780.0 GRHIFI(6.6) .0 .0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

 METABOLIC DAYS UNTIL HYDROLYSIS PHOTOLYSIS METABOLIC COMBINED
 (FIELD) RAIN/RUNOFF (POND) (POND-EFF) (POND) (POND)

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

RUN No. 8 FOR TPA ON food * INPUT VALUES *

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

RUN No. 9 FOR TPA ON food * INPUT VALUES *

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

5

RUN No. 10 FOR TPA			ON food		* INPUT VALUES *		
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)	
9.600(19.200)	2 7	4.0	5780.0	GRHIFI(6.6)	.0	.0	

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
740.04	738.68	730.86	713.69	701.20

RUN No. 11 FOR TPA			ON food		* INPUT VALUES *		
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)	
9.600(28.800)	3 7	4.0	5780.0	GRHIFI(6.6)	.0	.0	

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
1.11	1.11	1.10	1.07	1.05

RUN No. 12 FOR TPA			ON food		* INPUT VALUES *		
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)	
9.600(38.400)	4 7	4.0	5780.0	GRHIFI(6.6)	.0	.0	

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
1.48	1.48	1.46	1.43	1.40

RUN No. 13 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(48.000)	5 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
1.85	1.85	1.83	1.78	1.75

RUN No. 14 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(57.600)	6 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
2.22	2.22	2.19	2.14	2.10

RUN No. 15 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
9.600(67.200)	7 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
2.59	2.59	2.56	2.50	2.45

RUN No. 16 FOR food ON TPA * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
9.600(76.800)	8 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
2.96	2.95	2.92	2.85	2.80

RUN No. 17 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
9.600(86.400)	9 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
3.33	3.32	3.29	3.21	3.16

RUN No. 18 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
9.600(96.000)	10 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
3.70	3.69	3.65	3.57	3.51

RUN No. 19 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCORP (IN)
9.600(96.000)	10 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
3.70	3.69	3.65	3.57	3.51

RUN No. 20 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(105.600)	11 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
4.07	4.06	4.02	3.93	3.86

RUN No. 21 FOR TPA ON food * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(105.600)	11 30	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK	MAX 4 DAY	MAX 21 DAY	MAX 60 DAY	MAX 90 DAY
------	-----------	------------	------------	------------

GEEC	AVG GEEC	AVG GEEC	AVG GEEC	AVG GEEC
4.07	4.06	4.02	3.93	3.86

RUN No. 22 FOR TPA		ON food		* INPUT VALUES *		
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(105.600)	11 7	4.0	5780.0	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
.00	2	N/A	.00-	.00	.00

GENERIC EECs (IN MILLIGRAMS/LITER (PPM)) Version 2.0 Aug 1, 2001

PEAK GEEC	MAX 4 DAY AVG GEEC	MAX 21 DAY AVG GEEC	MAX 60 DAY AVG GEEC	MAX 90 DAY AVG GEEC
4.07	4.06	4.02	3.93	3.86

RUN No. 23 FOR TPA		ON truf		* INPUT VALUES *		
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Kd	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY ZONE(FT)	INCRP (IN)
9.600(105.600)	11 7	4.0	5780.0	GRANUL(.0)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

Example PRZM Output

DCPA - Wettable Powder-Flowable Concentrate/Canola/1 application/ground
stored as DCPA-wheat.out

Chemical: DCPA

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 09:39:38

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.13	16.36	15.63	14.07	13.11	8.228
1962	93.18	86.92	66.43	46.29	41.48	25.31

1963	54.5	51.08	44.83	40.15	38.75	27.7
1964	35.67	34.51	31.73	31.3	30.75	23.72
1965	51.51	48.22	41.69	36.08	33.69	24.23
1966	35.69	34.13	33.22	32.21	30.71	22.94
1967	36.36	34.5	31.61	31.09	29.8	22.2
1968	32.98	31.52	30.3	28.97	27.82	21.07
1969	83.81	77.12	58.86	45.89	41.94	27.94
1970	51.31	49.2	42.93	39.24	36.97	26.67
1971	35.17	33.88	32.7	31.29	30.3	23.03
1972	35.22	33.74	32.75	31.34	30.05	22.48
1973	52.73	49.3	40.14	33.05	31.72	23.16
1974	30.98	30	27.93	27.15	25.99	20.27
1975	24.23	23.45	23.03	22.33	21.38	17.38
1976	95.42	87.67	67.12	50.28	45.54	29.88
1977	36.26	35.33	34.74	33.88	32.71	24.8
1978	84.2	79.9	64.72	51.99	47.29	31.02
1979	32.29	31.62	30.64	29.31	29.24	22.9
1980	78.07	72.51	58	47.11	43.28	28.55
1981	32.26	31.29	30.48	29.42	28.6	22.19
1982	32.01	31.21	28.64	27	25.94	19.61
1983	47.03	44.75	37.19	34.77	33.02	23.08
1984	32.15	30.63	29.35	28.66	28.04	21.05
1985	29.86	28.96	28.63	27.24	26.11	20
1986	68.52	63.53	51.33	43.87	40.48	27.04
1987	35.46	33.89	31.89	30.84	30.86	23.68
1988	35.58	34.33	33.77	31.81	30.71	22.88
1989	36.01	34.35	32.76	31.01	29.94	22.17
1990	32.16	30.81	30.23	29.02	27.56	20.99

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	95.42	87.67	67.12	51.99	47.29	31.02
0.0645161290322581		93.18	86.92	66.43	50.28	45.54
0.0967741935483871		84.2	79.9	64.72	47.11	43.28
0.129032258064516	83.81	77.12	58.86	46.29	41.94	27.94
0.161290322580645	78.07	72.51	58	45.89	41.48	27.7
0.193548387096774	68.52	63.53	51.33	43.87	40.48	27.04
0.225806451612903	54.5	51.08	44.83	40.15	38.75	26.67
0.258064516129032	52.73	49.3	42.93	39.24	36.97	25.31
0.290322580645161	51.51	49.2	41.69	36.08	33.69	24.8
0.32258064516129	51.31	48.22	40.14	34.77	33.02	24.23
0.354838709677419	47.03	44.75	37.19	33.88	32.71	23.72
0.387096774193548	36.36	35.33	34.74	33.05	31.72	23.68
0.419354838709677	36.26	34.51	33.77	32.21	30.86	23.16
0.451612903225806	36.01	34.5	33.22	31.81	30.75	23.08
0.483870967741936	35.69	34.35	32.76	31.34	30.71	23.03
0.516129032258065	35.67	34.33	32.75	31.3	30.71	22.94
0.548387096774194	35.58	34.13	32.7	31.29	30.3	22.9
0.580645161290323	35.46	33.89	31.89	31.09	30.05	22.88
0.612903225806452	35.22	33.88	31.73	31.01	29.94	22.48
0.645161290322581	35.17	33.74	31.61	30.84	29.8	22.2
0.67741935483871	32.98	31.62	30.64	29.42	29.24	22.19
0.709677419354839	32.29	31.52	30.48	29.31	28.6	22.17
0.741935483870968	32.26	31.29	30.3	29.02	28.04	21.07
0.774193548387097	32.16	31.21	30.23	28.97	27.82	21.05
0.806451612903226	32.15	30.81	29.35	28.66	27.56	20.99
0.838709677419355	32.01	30.63	28.64	27.24	26.11	20.27

0.870967741935484	30.98	30	28.63	27.15	25.99	20
0.903225806451613	29.86	28.96	27.93	27	25.94	19.61
0.935483870967742	24.23	23.45	23.03	22.33	21.38	17.38
0.967741935483871	17.13	16.36	15.63	14.07	13.11	8.228

0.1	84.161	79.622	64.134	47.028	43.146
	28.489				

Average of yearly averages: 23.2056

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: DCPA-wheat

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	331.97		g/mol	
Henry's Law Const.	henry	2.2E-6			atm-m ³ /mol
Vapor Pressure	vapr	2.5E-6		torr	
Solubility	sol	5		mg/L	
Kd	Kd			mg/L	
Koc	Koc	2627		mg/L	
Photolysis half-life	kdp	0		days	Half-life
Aerobic Aquatic Metabolism	kbacw	120		days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0		days	Halfife
Aerobic Soil Metabolism	asm	60		days	Halfife
Hydrolysis: pH 5	0			days	Half-life
Hydrolysis: pH 7	0			days	Half-life
Hydrolysis: pH 9	0			days	Half-life
Method:	CAM	2		integer	See PRZM manual
Incorporation Depth:	DEPI	0		cm	
Application Rate:	TAPP	11.8		kg/ha	
Application Efficiency:	APPEFF	0.99		fraction	
Spray Drift	DRFT	0.01		fraction of application rate applied to pond	
Application Date	Date	01-02		dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or

total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Cole Crop/3 applications/30 day interval

stored as cole-F-ground-3.out

Chemical: DCPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March

2008 at 09:29:34

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

16:33:30

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	28.04	26.9	21.8	17.29	15.7	10.45
1962	86.07	81.53	66.72	54.33	47.14	29.27
1963	93.81	86.7	73.75	63.5	63.52	44.17
1964	63.65	61.57	54.51	47.71	45.05	32.12
1965	51.66	49.35	43.05	35.95	33.63	27.28
1966	44.47	42.21	37.35	32.67	30.57	22.36
1967	92.54	87.06	76.35	59.98	60.74	42.23
1968	68.08	64.65	57.01	49.74	48.18	34.8
1969	73.95	71.06	64.44	56.57	53.13	35.73
1970	56.54	53.72	49.46	45.23	42.71	29.43
1971	51.59	48.6	42.89	35.77	33.09	24.54
1972	25.52	24.71	22.93	21.76	21.36	16.97
1973	62.45	59.53	53.81	50.36	47.74	32.21
1974	64.64	60.82	50.74	42.93	39.91	29.76
1975	84.23	79.46	66.58	53.79	51.28	35.83
1976	60.08	56.47	46.5	37.85	35.07	26.32
1977	55.6	52.33	43.28	35.09	34.39	25.61
1978	94.05	87.87	71.07	62.31	59.75	41.77
1979	83.47	78.63	73.06	64.73	61.02	43.62
1980	90.95	87.13	79.57	66.99	60.92	43.1
1981	66.72	64.04	58.43	50.44	49.64	36.26
1982	135	124	105	85.55	82.6	62.77
1983	97.56	95.33	90.19	80.67	77.43	55.91
1984	49.81	48.24	44.81	43.04	42.6	31.57
1985	59.19	55.51	46.5	43.24	40.09	28.37
1986	103	96.89	83.79	72.33	64.28	41.88
1987	73.17	68.98	60.04	50.92	46.74	33.83
1988	44.85	42.86	38.41	33.81	32.95	26.42
1989	43.22	40.93	36.08	31.35	29.06	21.61
1990	35.39	33.59	30.13	26.43	25.1	18.67

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	135	124	105	85.55	82.6	62.77
0.0645161290322581		103	96.89	90.19	80.67	77.43
0.0967741935483871		97.56	95.33	83.79	72.33	64.28
0.129032258064516	94.05	87.87	79.57	66.99	63.52	43.62
0.161290322580645	93.81	87.13	76.35	64.73	61.02	43.1
0.193548387096774	92.54	87.06	73.75	63.5	60.92	42.23
0.225806451612903	90.95	86.7	73.06	62.31	60.74	41.88
0.258064516129032	86.07	81.53	71.07	59.98	59.75	41.77
0.290322580645161	84.23	79.46	66.72	56.57	53.13	36.26
0.32258064516129	83.47	78.63	66.58	54.33	51.28	35.83
0.354838709677419	73.95	71.06	64.44	53.79	49.64	35.73
0.387096774193548	73.17	68.98	60.04	50.92	48.18	34.8
0.419354838709677	68.08	64.65	58.43	50.44	47.74	33.83
0.451612903225806	66.72	64.04	57.01	50.36	47.14	32.21
0.483870967741936	64.64	61.57	54.51	49.74	46.74	32.12
0.516129032258065	63.65	60.82	53.81	47.71	45.05	31.57
0.548387096774194	62.45	59.53	50.74	45.23	42.71	29.76
0.580645161290323	60.08	56.47	49.46	43.24	42.6	29.43
0.612903225806452	59.19	55.51	46.5	43.04	40.09	29.27
0.645161290322581	56.54	53.72	46.5	42.93	39.91	28.37

0.67741935483871	55.6	52.33	44.81	37.85	35.07	27.28
0.709677419354839	51.66	49.35	43.28	35.95	34.39	26.42
0.741935483870968	51.59	48.6	43.05	35.77	33.63	26.32
0.774193548387097	49.81	48.24	42.89	35.09	33.09	25.61
0.806451612903226	44.85	42.86	38.41	33.81	32.95	24.54
0.838709677419355	44.47	42.21	37.35	32.67	30.57	22.36
0.870967741935484	43.22	40.93	36.08	31.35	29.06	21.61
0.903225806451613	35.39	33.59	30.13	26.43	25.1	18.67
0.935483870967742	28.04	26.9	22.93	21.76	21.36	16.97
0.967741935483871	25.52	24.71	21.8	17.29	15.7	10.45

0.1	97.209	94.584	83.368	71.796	64.204
	44.115				

Average of yearly averages:

32.8286666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: cole-F-ground-3

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	331.97	g/mol	
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Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
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Vapor Pressure	vapr	2.5E-6	torr	
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Solubility	sol	5	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	2627	mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	60	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	11.8	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
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Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	interval	30	days	Set to 0 or delete line for single app.
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app. rate 1	apprate		kg/ha	
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Interval 2	interval	30	days	Set to 0 or delete line for single app.
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app. rate 2	apprate		kg/ha	
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

DCPA - Wettable Powder/Flowable Concentrate/Cole Crop/1 application

stored as cole-F-ground-1.out

Chemical: DCPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March
2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	12.65	11.75	9.188	7.369	6.704	4.291
1962	30.73	29.16	23.97	18.04	15.64	9.977
1963	42.35	38.93	31.18	23.71	22.2	14.67
1964	41.47	39.48	30.84	23.24	20.81	13.73
1965	26.22	24.85	20.93	17.24	15.68	11.39
1966	20.08	19.12	17.22	14.73	13.78	9.657
1967	80.9	75.63	63.1	43.68	38.58	23.31
1968	39.56	37.33	31.53	26.72	25.54	17.73
1969	38.6	36.78	34.02	29.71	26.75	17.35
1970	41.84	39.75	35.67	27.57	24.56	15.92
1971	16.43	15.81	14.66	13.53	13.63	10.21
1972	12.93	12.34	10.67	9.541	8.91	6.596
1973	49.02	44.95	35.08	29.03	25.85	16.14
1974	28.77	26.96	22.32	18.37	17.66	12.83
1975	24.51	23.49	20.11	17.44	16.71	11.9
1976	15.86	15.09	13.15	11.11	11.29	8.294
1977	32.88	30.32	23.14	17.03	15.64	10.23
1978	41.2	38.7	31.81	27.82	25.83	16.8
1979	50.28	47.72	37.36	31.73	29.08	19.07
1980	39.75	37.39	30.94	28.79	26.97	18.27
1981	41.26	38.7	31.73	25.61	23.76	16.33
1982	117	106	77.81	55.91	49.69	32.2
1983	52.92	50.03	44.2	38.43	36.02	24.97
1984	22.53	21.93	20.22	18.91	18.31	13.22
1985	22.05	20.8	17.73	15.29	14.21	10.41
1986	35.3	32.72	26.04	22.41	19.95	13.8
1987	26.51	24.82	21.02	18.85	17.96	12.3
1988	20.59	19.46	16.8	15.29	14.17	10.03
1989	12.77	12.16	10.82	9.543	9.736	7.161
1990	15.53	14.54	12.21	11.03	10.29	7.043

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	117	106	77.81	55.91	49.69	32.2
0.0645161290322581		80.9	75.63	63.1	43.68	38.58
0.0967741935483871		52.92	50.03	44.2	38.43	36.02
0.129032258064516	50.28	47.72	37.36	31.73	29.08	19.07
0.161290322580645	49.02	44.95	35.67	29.71	26.97	18.27
0.193548387096774	42.35	39.75	35.08	29.03	26.75	17.73
0.225806451612903	41.84	39.48	34.02	28.79	25.85	17.35
0.258064516129032	41.47	38.93	31.81	27.82	25.83	16.8
0.290322580645161	41.26	38.7	31.73	27.57	25.54	16.33

0.32258064516129	41.2	38.7	31.53	26.72	24.56	16.14
0.354838709677419	39.75	37.39	31.18	25.61	23.76	15.92
0.387096774193548	39.56	37.33	30.94	23.71	22.2	14.67
0.419354838709677	38.6	36.78	30.84	23.24	20.81	13.8
0.451612903225806	35.3	32.72	26.04	22.41	19.95	13.73
0.483870967741936	32.88	30.32	23.97	18.91	18.31	13.22
0.516129032258065	30.73	29.16	23.14	18.85	17.96	12.83
0.548387096774194	28.77	26.96	22.32	18.37	17.66	12.3
0.580645161290323	26.51	24.85	21.02	18.04	16.71	11.9
0.612903225806452	26.22	24.82	20.93	17.44	15.68	11.39
0.645161290322581	24.51	23.49	20.22	17.24	15.64	10.41
0.67741935483871	22.53	21.93	20.11	17.03	15.64	10.23
0.709677419354839	22.05	20.8	17.73	15.29	14.21	10.21
0.741935483870968	20.59	19.46	17.22	15.29	14.17	10.03
0.774193548387097	20.08	19.12	16.8	14.73	13.78	9.977
0.806451612903226	16.43	15.81	14.66	13.53	13.63	9.657
0.838709677419355	15.86	15.09	13.15	11.11	11.29	8.294
0.870967741935484	15.53	14.54	12.21	11.03	10.29	7.161
0.903225806451613	12.93	12.34	10.82	9.543	9.736	7.043
0.935483870967742	12.77	12.16	10.67	9.541	8.91	6.596
0.967741935483871	12.65	11.75	9.188	7.369	6.704	4.291

0.1	52.656	49.799	43.516	37.76	35.326	22.886
						Average of yearly averages:
13.8609666666667						

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: cole-F-ground-1

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	331.97	g/mol	
Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
Vapor Pressure	vapr	2.5E-6	torr	
Solubility	sol	5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	2627	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	60	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	11.8	kg/ha	
Application Efficiency:	APPEFF	0.99		fraction
Spray Drift	DRFT	0.01		fraction of application rate applied to pond
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

DCPA - Granular/Cole Crop/7 applications/7 day interval (no spray drift)

stored as cole-gran-ground-7.out

Chemical: DCPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March
2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	10.65	9.812	7.6	6.112	5.555	3.315
1962	28.95	27.4	22.25	16.48	14.16	8.614
1963	39.89	36.55	29.02	21.82	20.42	13.12
1964	38.26	36.36	28.19	21.05	18.79	12.14
1965	20.78	19.62	16.72	14.15	13	9.713
1966	17.47	16.54	14.73	11.94	10.99	7.877
1967	77.51	72.39	60.31	41.32	36.38	21.58
1968	36.81	34.67	29.09	24.57	23.13	16.03
1969	35.3	33.69	31.26	27.46	24.67	15.75
1970	38.75	36.81	32.76	25.27	22.47	14.36
1971	14.42	13.87	12.8	11.57	11.2	8.577
1972	7.002	6.888	6.739	6.331	6.132	4.876
1973	45.39	41.51	32.06	26.3	23.4	14.4
1974	22.42	21.14	17.96	15.29	14.96	11.11
1975	21.8	20.88	17.76	15.37	14.75	10.19
1976	13.75	13.01	11.13	9.201	8.562	6.527
1977	26.18	24.16	18.51	13.77	12.81	8.469
1978	37.39	35.1	28.62	25	23.21	15.1
1979	46.35	43.91	34.25	29.1	26.64	17.38
1980	35.5	33.4	28.34	26.17	24.6	16.56
1981	38.37	35.85	29.19	23.29	21.59	14.58
1982	111	101	73.59	52.88	47.02	30.45
1983	49.9	47.12	41.51	36.1	33.85	23.22
1984	16.87	16.6	16.03	15.74	15.52	11.54
1985	19.63	18.43	15.53	13.29	12.24	8.708
1986	33.15	30.6	24.01	20.49	18.12	12.09
1987	23.31	21.98	18.88	15.79	15.26	10.59
1988	16.87	15.94	13.79	12.27	11.45	8.331
1989	9.787	9.358	8.446	7.572	7.191	5.45
1990	11.28	10.56	8.898	8.349	7.678	5.319

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	111	101	73.59	52.88	47.02	30.45
0.0645161290322581		77.51	72.39	60.31	41.32	36.38
0.0967741935483871		49.9	47.12	41.51	36.1	33.85
0.129032258064516	46.35	43.91	34.25	29.1	26.64	17.38

0.161290322580645	45.39	41.51	32.76	27.46	24.67	16.56
0.193548387096774	39.89	36.81	32.06	26.3	24.6	16.03
0.225806451612903	38.75	36.55	31.26	26.17	23.4	15.75
0.258064516129032	38.37	36.36	29.19	25.27	23.21	15.1
0.290322580645161	38.26	35.85	29.09	25	23.13	14.58
0.32258064516129	37.39	35.1	29.02	24.57	22.47	14.4
0.354838709677419	36.81	34.67	28.62	23.29	21.59	14.36
0.387096774193548	35.5	33.69	28.34	21.82	20.42	13.12
0.419354838709677	35.3	33.4	28.19	21.05	18.79	12.14
0.451612903225806	33.15	30.6	24.01	20.49	18.12	12.09
0.483870967741936	28.95	27.4	22.25	16.48	15.52	11.54
0.516129032258065	26.18	24.16	18.88	15.79	15.26	11.11
0.548387096774194	23.31	21.98	18.51	15.74	14.96	10.59
0.580645161290323	22.42	21.14	17.96	15.37	14.75	10.19
0.612903225806452	21.8	20.88	17.76	15.29	14.16	9.713
0.645161290322581	20.78	19.62	16.72	14.15	13	8.708
0.67741935483871	19.63	18.43	16.03	13.77	12.81	8.614
0.709677419354839	17.47	16.6	15.53	13.29	12.24	8.577
0.741935483870968	16.87	16.54	14.73	12.27	11.45	8.469
0.774193548387097	16.87	15.94	13.79	11.94	11.2	8.331
0.806451612903226	14.42	13.87	12.8	11.57	10.99	7.877
0.838709677419355	13.75	13.01	11.13	9.201	8.562	6.527
0.870967741935484	11.28	10.56	8.898	8.349	7.678	5.45
0.903225806451613	10.65	9.812	8.446	7.572	7.191	5.319
0.935483870967742	9.787	9.358	7.6	6.331	6.132	4.876
0.967741935483871	7.002	6.888	6.739	6.112	5.555	3.315
0.1	49.545	46.799	40.784	35.4	33.129	21.16
Average of yearly averages:						
12.1988666666667						

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: cole-gran-ground-7

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	331.97	g/mol	
Henry's Law Const.	henry	2.2E-6		atm-m^3/mol
Vapor Pressure	vapr	2.5E-6	torr	
Solubility	sol	5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	2627	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	60	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	11.8	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	

Spray Drift DRFT 0 fraction of application rate applied to pond
 Application Date Date 01-01 dd/mm or dd/mm or dd-mm or dd-
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Onion/1 applications/7 day interval

stored as onion-F-air-11.out
 Chemical: DCPA
 PRZM environment: CAonion_WirrigSTD.txt modified Tuesday, 29 May 2007
 at 12:43:34
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 16:33:30
 Metfile: w23155.dvf modified Wedday, 3 July 2002 at 09:04:20
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	127	119	109	90.52	68.01	16.77
1962	163	155	145	128	108	73.69
1963	187	179	169	152	131	99.15
1964	187	179	169	155	134	107
1965	259	231	186	164	141	112
1966	248	236	226	189	162	132
1967	229	221	211	190	165	137
1968	220	213	202	185	163	137
1969	206	198	188	173	155	132
1970	227	217	208	182	155	124
1971	203	198	182	164	145	123
1972	197	189	179	164	142	116
1973	196	188	178	160	139	116
1974	253	238	222	183	155	118
1975	201	193	183	166	148	126
1976	193	185	174	159	138	116
1977	275	258	188	163	141	115
1978	323	304	254	204	196	156
1979	210	201	192	176	165	138
1980	216	208	197	180	161	138
1981	206	198	187	171	151	130
1982	220	209	202	179	155	125
1983	261	249	213	188	163	135
1984	230	221	205	183	163	138
1985	221	213	204	189	164	135
1986	224	215	200	179	157	132
1987	286	275	235	201	183	151
1988	195	189	172	153	145	117
1989	166	158	148	134	115	94.28
1990	159	151	141	127	108	83.85

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	323	304	254	204	196	156
0.0645161290322581		286	275	235	201	183
0.0967741935483871		275	258	226	190	165
0.129032258064516	261	249	222	189	165	138
0.161290322580645	259	238	213	189	164	138
0.193548387096774	253	236	211	188	163	137
0.225806451612903	248	231	208	185	163	137
0.258064516129032	230	221	205	183	163	135
0.290322580645161	229	221	204	183	162	135
0.32258064516129	227	217	202	182	161	132
0.354838709677419	224	215	202	180	157	132
0.387096774193548	221	213	200	179	155	132
0.419354838709677	220	213	197	179	155	130
0.451612903225806	220	209	192	176	155	126
0.483870967741936	216	208	188	173	155	125
0.516129032258065	210	201	188	171	151	124
0.548387096774194	206	198	187	166	148	123
0.580645161290323	206	198	186	164	145	118
0.612903225806452	203	198	183	164	145	117
0.645161290322581	201	193	182	164	142	116
0.67741935483871	197	189	179	163	141	116
0.709677419354839	196	189	178	160	141	116
0.741935483870968	195	188	174	159	139	115
0.774193548387097	193	185	172	155	138	112
0.806451612903226	187	179	169	153	134	107
0.838709677419355	187	179	169	152	131	99.15
0.870967741935484	166	158	148	134	115	94.28
0.903225806451613	163	155	145	128	108	83.85
0.935483870967742	159	151	141	127	108	73.69
0.967741935483871	127	119	109	90.52	68.01	16.77

0.1 273.6 257.1 225.6 189.9 165 138

Average of yearly averages:

119.124666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: onion-F-air-11

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	331.97		g/mol	
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Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol	
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Vapor Pressure	vapr	2.5E-6		torr	
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Solubility	sol	5		mg/L	
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Kd	Kd			mg/L	
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Koc	Koc	2627		mg/L	
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Photolysis half-life	kdp	0		days	Half-life
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Aerobic Aquatic Metabolism	kbacw	120		days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0		days	Halfife
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Aerobic Soil Metabolism	asm	60		days	Halfife
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Hydrolysis: pH 5	0			days	Half-life
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Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 11.8 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 15-10 dd/mm or dd/mm or dd-mm or dd-
 Interval 1 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 1 apprate kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 2 apprate kg/ha
 Interval 3 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 3 apprate kg/ha
 Interval 4 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 4 apprate kg/ha
 Interval 5 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 5 apprate kg/ha
 Interval 6 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 6 apprate kg/ha
 Interval 7 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 7 apprate kg/ha
 Interval 8 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 8 apprate kg/ha
 Interval 9 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 9 apprate kg/ha
 Interval 10 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 10 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Onion/1 applications

stored as onion-F-air-1.out

Chemical: DCPA

PRZM environment: CAonion_WirrigSTD.txt modified Tuesday, 29 May 2007
at 12:43:34

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	29.31	26.28	17.92	11.26	8.685	2.142
1962	32.84	29.81	21.45	14.39	11.79	6.574
1963	34.6	31.87	23.65	16.59	13.92	8.721
1964	35.23	32.15	24.15	17.15	14.43	9.674
1965	35.42	32.33	23.81	17.38	14.88	10.08
1966	36.28	33.24	24.84	19.04	16.65	11.42
1967	37.01	33.99	25.63	19.76	17.15	12.21
1968	37.52	34.57	26.68	19.84	17.12	12.41
1969	37.09	34.1	25.79	18.81	16.13	12.03
1970	36.13	33.07	24.61	19.23	16.65	11.33
1971	36.53	33.48	25.03	17.87	15.32	11.46
1972	35.75	33.15	25.31	18.74	15.86	10.73
1973	35.9	32.83	24.35	17.38	14.83	10.68
1974	35.76	32.72	25.25	19.34	16.76	10.86
1975	36.67	33.59	25.12	18.03	15.45	11.57
1976	35.82	32.75	24.26	17.19	14.6	10.48
1977	35.57	32.51	24.08	16.96	14.58	10.22
1978	37.21	34.12	25.61	18.62	16.07	12.45
1979	36.63	33.58	25.16	18.08	15.46	11.46
1980	36.79	33.77	25.41	18.4	15.81	11.52
1981	36.44	33.42	25.07	17.93	15.32	11.17
1982	36.12	33.08	25.06	18.74	16.14	11
1983	36.81	33.77	25.36	19.33	16.82	11.93
1984	37.17	34.18	25.88	19.03	16.52	12.21
1985	37.01	33.99	25.61	20.64	17.75	12.23
1986	37.53	34.5	26.12	19.17	16.66	12.39
1987	37.57	34.5	26.61	23.25	19.85	13.61
1988	36.12	32.86	23.99	16.72	14.21	11.4
1989	34.29	31.03	22.19	14.97	12.48	8.78
1990	33.42	30.16	21.31	14.14	11.64	7.632

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	37.57	34.57	26.68	23.25	19.85	13.61
0.0645161290322581		37.53	34.5	26.61	20.64	17.75
0.0967741935483871		37.52	34.5	26.12	19.84	17.15
0.129032258064516	37.21	34.18	25.88	19.76	17.12	12.39
0.161290322580645	37.17	34.12	25.79	19.34	16.82	12.23
0.193548387096774	37.09	34.1	25.63	19.33	16.76	12.21
0.225806451612903	37.01	33.99	25.61	19.23	16.66	12.21
0.258064516129032	37.01	33.99	25.61	19.17	16.65	12.03
0.290322580645161	36.81	33.77	25.41	19.04	16.65	11.93
0.32258064516129	36.79	33.77	25.36	19.03	16.52	11.57
0.354838709677419	36.67	33.59	25.31	18.81	16.14	11.52
0.387096774193548	36.63	33.58	25.25	18.74	16.13	11.46
0.419354838709677	36.53	33.48	25.16	18.74	16.07	11.46
0.451612903225806	36.44	33.42	25.12	18.62	15.86	11.42
0.483870967741936	36.28	33.24	25.07	18.4	15.81	11.4
0.516129032258065	36.13	33.15	25.06	18.08	15.46	11.33
0.548387096774194	36.12	33.08	25.03	18.03	15.45	11.17
0.580645161290323	36.12	33.07	24.84	17.93	15.32	11
0.612903225806452	35.9	32.86	24.61	17.87	15.32	10.86
0.645161290322581	35.82	32.83	24.35	17.38	14.88	10.73
0.67741935483871	35.76	32.75	24.26	17.38	14.83	10.68
0.709677419354839	35.75	32.72	24.15	17.19	14.6	10.48

0.741935483870968	35.57	32.51	24.08	17.15	14.58	10.22
0.774193548387097	35.42	32.33	23.99	16.96	14.43	10.08
0.806451612903226	35.23	32.15	23.81	16.72	14.21	9.674
0.838709677419355	34.6	31.87	23.65	16.59	13.92	8.78
0.870967741935484	34.29	31.03	22.19	14.97	12.48	8.721
0.903225806451613	33.42	30.16	21.45	14.39	11.79	7.632
0.935483870967742	32.84	29.81	21.31	14.14	11.64	6.574
0.967741935483871	29.31	26.28	17.92	11.26	8.685	2.142

0.1	37.489	34.468	26.096	19.832	17.147
	12.408				

Average of yearly averages: 10.6791

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: onion-F-air-1

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	331.97	g/mol	
Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
Vapor Pressure	vapr	2.5E-6	torr	
Solubility	sol	5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	2627	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	60	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	11.8	kg/ha	
Application Efficiency:	APPEFF	0.95		fraction
Spray Drift	DRFT	0.05		fraction of application rate applied to pond
Application Date	Date	15-10	dd/mm or dd/mm or dd-mm or dd-mmm	

Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or

total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Cole Crop/7 applications/7 day interval

stored as onion-F-ground-11.out

Chemical: DCPA

PRZM environment: CAonion_WirrigSTD.txt modified Tuesday, 29 May 2007
 at 12:43:34
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 16:33:30
 Metfile: w23155.dvf modified Wedday, 3 July 2002 at 09:04:20
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	31.05	28.66	26.48	21.51	15.87	3.914
1962	66.25	61.32	52.97	39.56	34.84	25.98
1963	68.6	64.24	52.01	42.46	39.46	32.91
1964	44.53	43.39	41.38	39.02	34.67	30.09
1965	132	105	56.44	46.62	39.5	31.87
1966	121	112	96.23	71.53	65.05	50.96
1967	83.16	80.56	76.87	67.12	60.92	51.95
1968	68.21	66.64	62.08	57.18	56.07	47.64
1969	55.22	54.12	52.39	49.83	48.93	40.75
1970	102	95.15	85.28	61.66	50.39	37.38
1971	68.24	64.79	56.48	50.99	48.74	39.8
1972	60.21	57.82	51.05	46.15	41.89	35.13
1973	71.55	67.87	57.42	48.33	46.04	36.87
1974	125	115	94.17	63.8	52.04	36.85
1975	68.27	66.11	59.92	55.41	52.79	42.56
1976	47.2	46.2	43.27	41.49	39.99	33.33
1977	149	136	60.68	45.32	40.21	33.97
1978	242	222	172	123	108	76.37
1979	95.92	92.23	82.11	73.85	70.39	55.3
1980	104	98.1	83.83	70.36	65.67	51.65
1981	55.4	54.35	51.28	49.91	48.51	40.63
1982	82.06	78.34	69.21	53.73	45.63	36.52
1983	113	106	75.29	62.98	55.94	46.92
1984	92.41	88.18	76.21	64.93	60.98	49.03
1985	77.5	73.75	67.04	61.32	52.49	44.26
1986	69.04	65.89	58.69	50.5	48.35	41.54
1987	162	154	122	90.75	81.14	61.49
1988	69.81	68.07	62.92	57.1	54.48	42.06
1989	43.09	42	38.84	37.19	35.47	28.39
1990	35.06	33.39	31.48	28.61	25.5	21.4

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	242	222	172	123	108	76.37
0.0645161290322581		162	154	122	90.75	81.14
0.0967741935483871		149	136	96.23	73.85	70.39
0.129032258064516	132	115	94.17	71.53	65.67	51.95
0.161290322580645	125	112	85.28	70.36	65.05	51.65
0.193548387096774	121	106	83.83	67.12	60.98	50.96
0.225806451612903	113	105	82.11	64.93	60.92	49.03
0.258064516129032	104	98.1	76.87	63.8	56.07	47.64
0.290322580645161	102	95.15	76.21	62.98	55.94	46.92
0.32258064516129	95.92	92.23	75.29	61.66	54.48	44.26
0.354838709677419	92.41	88.18	69.21	61.32	52.79	42.56
0.387096774193548	83.16	80.56	67.04	57.18	52.49	42.06
0.419354838709677	82.06	78.34	62.92	57.1	52.04	41.54
0.451612903225806	77.5	73.75	62.08	55.41	50.39	40.75
0.483870967741936	71.55	68.07	60.68	53.73	48.93	40.63
0.516129032258065	69.81	67.87	59.92	50.99	48.74	39.8

0.548387096774194	69.04	66.64	58.69	50.5	48.51	37.38
0.580645161290323	68.6	66.11	57.42	49.91	48.35	36.87
0.612903225806452	68.27	65.89	56.48	49.83	46.04	36.85
0.645161290322581	68.24	64.79	56.44	48.33	45.63	36.52
0.67741935483871	68.21	64.24	52.97	46.62	41.89	35.13
0.709677419354839	66.25	61.32	52.39	46.15	40.21	33.97
0.741935483870968	60.21	57.82	52.01	45.32	39.99	33.33
0.774193548387097	55.4	54.35	51.28	42.46	39.5	32.91
0.806451612903226	55.22	54.12	51.05	41.49	39.46	31.87
0.838709677419355	47.2	46.2	43.27	39.56	35.47	30.09
0.870967741935484	44.53	43.39	41.38	39.02	34.84	28.39
0.903225806451613	43.09	42	38.84	37.19	34.67	25.98
0.935483870967742	35.06	33.39	31.48	28.61	25.5	21.4
0.967741935483871	31.05	28.66	26.48	21.51	15.87	3.914

0.1 147.3 133.9 96.024 73.618 69.918 54.965

Average of yearly averages:

40.2504666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: onion-F-ground-11

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		331.97	g/mol	
Henry's Law Const.	henry		2.2E-6	atm-m ³ /mol	
Vapor Pressure	vapr		2.5E-6	torr	
Solubility	sol	5	mg/L		
Kd	Kd		mg/L		
Koc	Koc	2627	mg/L		
Photolysis half-life	kdp	0	days		Half-life
Aerobic Aquatic Metabolism	kbacw	120	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	60	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	0	cm		
Application Rate:	TAPP	11.8	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction		
Spray Drift	DRFT	0.01	fraction of		application rate applied to pond
Application Date	Date	15-10	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		

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

DCPA - Granular/Onion/1 applications/7 day interval

stored as onion-Gran-ground-11.out

Chemical: DCPA

PRZM environment: CAonion_WirrigSTD.txt modified Tuesday, 29 May 2007 at 12:43:34

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

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

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	10.61	9.66	7.016	4.216	2.811	0.6931
1962	54.94	50.08	41.69	28.78	24.42	13.91
1963	51.25	47	35.16	26.35	23.83	16.18
1964	14.09	13.45	12.96	12.54	12.26	10.67
1965	99.31	73.15	23.75	17.14	14.06	11.78
1966	89.62	82.07	63.19	47.04	41.66	30.38
1967	52.59	49.83	45.69	38.49	36.59	30.39
1968	34.93	34.33	32.58	30.55	30.63	25.1
1969	28.07	27.42	24.75	22.64	22.28	17.65
1970	71.48	65.44	54.13	31.36	24	15.68
1971	34.14	32.02	28.27	25.42	24.33	18.8
1972	29.21	27.74	23.59	19.7	18.33	14.84
1973	46.15	42.83	33.5	25	23.86	16.93
1974	91.49	83.62	61.66	33.68	26.05	16.36

1975	36.7	35.47	31.96	30.18	28.75	21.58
1976	20.97	20.4	18.56	16.53	16.07	12.66
1977	116	105	28.49	17.85	16.63	13.5
1978	219	200	150	102	87.95	56.01
1979	69.2	65.95	56.79	49.35	46.47	34.23
1980	76.33	71.27	58.11	46.04	42.18	29.82
1981	28.04	27.3	25.13	23.13	22.66	18.11
1982	50.84	46.86	35.75	22.08	18.11	14.24
1983	75.35	70.07	45.24	34.85	31.56	24.56
1984	59.18	55.88	46.58	38.04	35.22	26.48
1985	47.35	44.12	36.42	29.1	24.63	21.39
1986	33.26	31.41	23.66	22.11	22.36	18.65
1987	129	123	92.87	63.96	55.43	38.82
1988	38.05	37.41	35.4	32.78	31.53	23.19
1989	22.41	21.45	18.74	16.34	15.83	11.79
1990	7.861	7.708	7.531	7.215	6.994	5.724

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	219	200	150	102	87.95	56.01
0.0645161290322581		129	123	92.87	63.96	55.43
0.0967741935483871		116	105	63.19	49.35	46.47
0.129032258064516	99.31	83.62	61.66	47.04	42.18	30.39
0.161290322580645	91.49	82.07	58.11	46.04	41.66	30.38
0.193548387096774	89.62	73.15	56.79	38.49	36.59	29.82
0.225806451612903	76.33	71.27	54.13	38.04	35.22	26.48
0.258064516129032	75.35	70.07	46.58	34.85	31.56	25.1
0.290322580645161	71.48	65.95	45.69	33.68	31.53	24.56
0.32258064516129	69.2	65.44	45.24	32.78	30.63	23.19
0.354838709677419	59.18	55.88	41.69	31.36	28.75	21.58
0.387096774193548	54.94	50.08	36.42	30.55	26.05	21.39
0.419354838709677	52.59	49.83	35.75	30.18	24.63	18.8
0.451612903225806	51.25	47	35.4	29.1	24.42	18.65
0.483870967741936	50.84	46.86	35.16	28.78	24.33	18.11
0.516129032258065	47.35	44.12	33.5	26.35	24	17.65
0.548387096774194	46.15	42.83	32.58	25.42	23.86	16.93
0.580645161290323	38.05	37.41	31.96	25	23.83	16.36
0.612903225806452	36.7	35.47	28.49	23.13	22.66	16.18
0.645161290322581	34.93	34.33	28.27	22.64	22.36	15.68
0.67741935483871	34.14	32.02	25.13	22.11	22.28	14.84
0.709677419354839	33.26	31.41	24.75	22.08	18.33	14.24
0.741935483870968	29.21	27.74	23.75	19.7	18.11	13.91
0.774193548387097	28.07	27.42	23.66	17.85	16.63	13.5
0.806451612903226	28.04	27.3	23.59	17.14	16.07	12.66
0.838709677419355	22.41	21.45	18.74	16.53	15.83	11.79
0.870967741935484	20.97	20.4	18.56	16.34	14.06	11.78
0.903225806451613	14.09	13.45	12.96	12.54	12.26	10.67
0.935483870967742	10.61	9.66	7.531	7.215	6.994	5.724
0.967741935483871	7.861	7.708	7.016	4.216	2.811	0.6931

0.1	114.331	102.862	63.037	49.119	46.041
	33.846				

Average of yearly averages:

20.3372366666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: onion-Gran-ground-11

Metfile: w23155.dvf

PRZM scenario: CAonion_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	331.97	g/mol	
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Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
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Vapor Pressure	vapr	2.5E-6	torr	
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Solubility	sol	5	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	2627	mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	60	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	11.8	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	fraction of	application rate applied to pond	
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Application Date	Date	15-10	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	7	days	Set to 0 or delete line for single app.
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app. rate 1	apprate		kg/ha	
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Interval 2	interval	7	days	Set to 0 or delete line for single app.
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app. rate 2	apprate		kg/ha	
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Interval 3	interval	7	days	Set to 0 or delete line for single app.
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app. rate 3	apprate		kg/ha	
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Interval 4	interval	7	days	Set to 0 or delete line for single app.
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app. rate 4	apprate		kg/ha	
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Interval 5	interval	7	days	Set to 0 or delete line for single app.
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app. rate 5	apprate		kg/ha	
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Interval 6	interval	7	days	Set to 0 or delete line for single app.
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app. rate 6	apprate		kg/ha	
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Interval 7	interval	7	days	Set to 0 or delete line for single app.
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app. rate 7	apprate		kg/ha	
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Interval 8	interval	7	days	Set to 0 or delete line for single app.
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app. rate 8	apprate		kg/ha	
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Interval 9	interval	7	days	Set to 0 or delete line for single app.
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app. rate 9	apprate		kg/ha	
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Interval 10	interval	7	days	Set to 0 or delete line for single app.
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app. rate 10	apprate		kg/ha	
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Record 17: FILTRA

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

**DCPA - Wettable Powder/Flowable Concentrate/Nursery/Air/6
 applications/7 day interval**

stored as nurse-F-air-6a.out

Chemical: DCPA

PRZM environment: CAnurserySTD_V2.txt modified Tuesday, 27 May 2008
 at 10:16:22

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

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	147	137	112	97.91	75.89	18.71
1962	176	166	149	127	109	76.43
1963	389	359	277	204	165	95.58
1964	221	210	193	170	154	130
1965	752	708	575	459	345	170
1966	518	492	415	341	326	278
1967	582	550	456	362	312	258
1968	326	321	307	289	281	234
1969	416	394	343	294	273	216
1970	356	335	279	243	211	170
1971	254	243	228	210	195	169
1972	426	405	342	271	226	164
1973	262	252	227	202	189	164
1974	359	338	281	234	202	159
1975	245	234	217	196	191	166
1976	298	282	245	201	187	156
1977	293	279	238	203	190	155
1978	366	349	291	229	210	168
1979	279	268	236	223	210	169
1980	331	313	266	245	229	180
1981	454	424	339	256	215	157
1982	322	304	277	231	208	180
1983	240	231	212	189	184	157
1984	261	248	211	195	168	128
1985	769	708	557	399	308	172
1986	378	360	317	291	282	240
1987	360	339	311	279	243	200
1988	281	269	246	230	220	190
1989	234	223	207	186	180	155
1990	222	211	194	172	164	139

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	769	708	575	459	345	278
0.0645161290322581		752	708	557	399	326
0.0967741935483871		582	550	456	362	312

0.129032258064516	518	492	415	341	308	234
0.161290322580645	454	424	343	294	282	216
0.193548387096774	426	405	342	291	281	200
0.225806451612903	416	394	339	289	273	190
0.258064516129032	389	360	317	279	243	180
0.290322580645161	378	359	311	271	229	180
0.32258064516129	366	349	307	256	226	172
0.354838709677419	360	339	291	245	220	170
0.387096774193548	359	338	281	243	215	170
0.419354838709677	356	335	279	234	211	169
0.451612903225806	331	321	277	231	210	169
0.483870967741936	326	313	277	230	210	168
0.516129032258065	322	304	266	229	208	166
0.548387096774194	298	282	246	223	202	164
0.580645161290323	293	279	245	210	195	164
0.612903225806452	281	269	238	204	191	159
0.645161290322581	279	268	236	203	190	157
0.67741935483871	262	252	228	202	189	157
0.709677419354839	261	248	227	201	187	156
0.741935483870968	254	243	217	196	184	155
0.774193548387097	245	234	212	195	180	155
0.806451612903226	240	231	211	189	168	139
0.838709677419355	234	223	207	186	165	130
0.870967741935484	222	211	194	172	164	128
0.903225806451613	221	210	193	170	154	95.58
0.935483870967742	176	166	149	127	109	76.43
0.967741935483871	147	137	112	97.91	75.89	18.71

0.1 575.6 544.2 451.9 359.9 311.6 239.4
Average of yearly averages:
167.157333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: nurse-F-air-6a

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	331.97	g/mol	
Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
Vapor Pressure	vapr	2.5E-6	torr	
Solubility	sol	5	mg/L	
Kd	Kd		mg/L	
Koc	Koc	2627	mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	60	days	Halfife
Hydrolysis: pH 5	0	days		Half-life
Hydrolysis: pH 7	0	days		Half-life
Hydrolysis: pH 9	0	days		Half-life
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	16.8	kg/ha	

Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 15-10 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 1 apprate kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 2 apprate kg/ha
 Interval 3 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 3 apprate kg/ha
 Interval 4 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 4 apprate kg/ha
 Interval 5 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 5 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Nursery/Ground/6 applications/7 day interval

stored as nurse-F-ground-6a.out
 Chemical: DCPA
 PRZM environment: CAnurserySTD_V2.txt modified Tuesday, 27 May 2008
 at 10:16:22
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 16:33:30
 Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	86.3	78.86	58.12	35.99	26.31	6.486
1962	98.46	91.48	73.16	58.56	52.42	38.98
1963	268	245	182	114	85.94	44.02
1964	107	105	96.49	90.47	86.7	70.94
1965	646	607	490	371	264	109
1966	437	411	340	280	267	219
1967	466	437	361	268	227	197
1968	257	252	239	223	217	172
1969	355	332	281	233	213	155
1970	255	238	193	146	125	107
1971	170	162	142	132	128	106
1972	308	289	236	176	141	101
1973	145	143	137	130	125	102

1974	266	248	198	134	114	95.34
1975	149	145	135	123	124	101
1976	235	219	181	138	125	91.39
1977	223	208	168	134	122	89.72
1978	303	286	226	165	147	106
1979	218	206	174	158	147	107
1980	272	254	206	184	170	120
1981	357	330	255	161	130	95.61
1982	198	191	165	149	146	121
1983	151	146	137	129	123	97.75
1984	195	182	138	101	84.63	67.98
1985	679	621	480	313	229	114
1986	266	260	243	231	225	183
1987	248	236	198	185	160	140
1988	184	180	170	165	158	129
1989	138	136	128	119	115	91.89
1990	128	125	114	104	97.83	74.98

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	679	621	490	371	267	219
0.0645161290322581		646	607	480	313	264
0.0967741935483871		466	437	361	280	229
0.129032258064516	437	411	340	268	227	172
0.161290322580645	357	332	281	233	225	155
0.193548387096774	355	330	255	231	217	140
0.225806451612903	308	289	243	223	213	129
0.258064516129032	303	286	239	185	170	121
0.290322580645161	272	260	236	184	160	120
0.32258064516129	268	254	226	176	158	114
0.354838709677419	266	252	206	165	147	109
0.387096774193548	266	248	198	165	147	107
0.419354838709677	257	245	198	161	146	107
0.451612903225806	255	238	193	158	141	106
0.483870967741936	248	236	182	149	130	106
0.516129032258065	235	219	181	146	128	102
0.548387096774194	223	208	174	138	125	101
0.580645161290323	218	206	170	134	125	101
0.612903225806452	198	191	168	134	125	97.75
0.645161290322581	195	182	165	132	124	95.61
0.67741935483871	184	180	142	130	123	95.34
0.709677419354839	170	162	138	129	122	91.89
0.741935483870968	151	146	137	123	115	91.39
0.774193548387097	149	145	137	119	114	89.72
0.806451612903226	145	143	135	114	97.83	74.98
0.838709677419355	138	136	128	104	86.7	70.94
0.870967741935484	128	125	114	101	85.94	67.98
0.903225806451613	107	105	96.49	90.47	84.63	44.02
0.935483870967742	98.46	91.48	73.16	58.56	52.42	38.98
0.967741935483871	86.3	78.86	58.12	35.99	26.31	6.486

0.1 463.1 434.4 358.9 278.8 228.8 181.9

Average of yearly averages:

108.469533333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: nurse-F-ground-6a

Metfile: w23188.dvf

PRZM scenario: CANurserySTD_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	331.97	g/mol	
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Henry's Law Const.	henry	2.2E-6		atm-m ³ /mol
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Vapor Pressure	vapr	2.5E-6	torr	
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Solubility	sol	5	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	2627	mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	60	days	Halfife
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Hydrolysis: pH 5	0	days	Half-life	
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Hydrolysis: pH 7	0	days	Half-life	
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Hydrolysis: pH 9	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	16.8	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
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Application Date	Date	15-10	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	interval	7	days	Set to 0 or delete line for single app.
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app. rate 1	apprate		kg/ha	
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Interval 2	interval	7	days	Set to 0 or delete line for single app.
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app. rate 2	apprate		kg/ha	
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Interval 3	interval	7	days	Set to 0 or delete line for single app.
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app. rate 3	apprate		kg/ha	
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Interval 4	interval	7	days	Set to 0 or delete line for single app.
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app. rate 4	apprate		kg/ha	
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Interval 5	interval	7	days	Set to 0 or delete line for single app.
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app. rate 5	apprate		kg/ha	
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

DCPA - Wettable Powder/Flowable Concentrate/Turf/Ground/6 applications/7 day interval

stored as turf-F-ground-6.out

Chemical: DCPA

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007
at 12:03:48
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30
Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	24.5	22.28	19.07	14.82	12.55	5.122
1962	59.39	54.43	41.33	30.02	26.5	14.97
1963	38.63	36.4	33.29	28.83	26.26	20.65
1964	36.01	33.8	30.65	26.27	23.79	18.24
1965	35.38	33.11	29.95	25.57	23.11	17.16
1966	36.27	34.03	30.86	26.47	23.92	18.25
1967	37.18	34.9	31.86	27.43	24.87	19.79
1968	35.62	33.37	30.19	25.86	23.35	17.58
1969	34.68	32.5	29.36	24.87	22.33	16.96
1970	34.87	32.62	29.5	25.04	22.56	16.86
1971	35.21	33	29.85	25.6	23.08	16.64
1972	34.7	32.48	29.25	24.89	22.64	17.52
1973	38.18	35.91	32.8	28.34	25.79	20.79
1974	37.56	35.3	32.09	27.73	25.23	19.65
1975	36.51	34.28	31.06	26.72	24.18	17.78
1976	34.87	32.66	29.46	25.17	22.71	16.64
1977	35.35	33.09	29.98	25.56	23.07	17.55
1978	35.66	33.41	30.29	25.93	23.41	17.66
1979	35.42	33.14	30.05	25.6	23.1	17.75
1980	36.47	34.25	31.03	26.69	24.18	18.44
1981	36.13	33.86	30.73	26.25	23.69	18.31
1982	44.13	41.48	34.65	30.21	27.68	23.96
1983	39.58	37.34	34.24	29.83	27.28	22.33
1984	36.81	34.53	31.48	27.02	24.47	19.49
1985	36.4	34.2	31	26.7	24.2	18.38
1986	36.3	34.09	30.9	26.54	24.04	17.92
1987	34.92	32.74	29.44	25.24	22.76	16.72
1988	34.18	31.96	28.78	24.48	22	15.78
1989	33.54	31.36	28.12	23.94	21.69	15.74
1990	34.37	32.14	28.98	24.6	22.09	15.82

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	59.39	54.43	41.33	30.21	27.68	23.96
0.0645161290322581		44.13	41.48	34.65	30.02	27.28
0.0967741935483871		39.58	37.34	34.24	29.83	26.5
0.129032258064516	38.63	36.4	33.29	28.83	26.26	20.65
0.161290322580645	38.18	35.91	32.8	28.34	25.79	19.79
0.193548387096774	37.56	35.3	32.09	27.73	25.23	19.65
0.225806451612903	37.18	34.9	31.86	27.43	24.87	19.49
0.258064516129032	36.81	34.53	31.48	27.02	24.47	18.44
0.290322580645161	36.51	34.28	31.06	26.72	24.2	18.38
0.32258064516129	36.47	34.25	31.03	26.7	24.18	18.31
0.354838709677419	36.4	34.2	31	26.69	24.18	18.25
0.387096774193548	36.3	34.09	30.9	26.54	24.04	18.24
0.419354838709677	36.27	34.03	30.86	26.47	23.92	17.92
0.451612903225806	36.13	33.86	30.73	26.27	23.79	17.78
0.483870967741936	36.01	33.8	30.65	26.25	23.69	17.75
0.516129032258065	35.66	33.41	30.29	25.93	23.41	17.66

0.548387096774194	35.62	33.37	30.19	25.86	23.35	17.58
0.580645161290323	35.42	33.14	30.05	25.6	23.11	17.55
0.612903225806452	35.38	33.11	29.98	25.6	23.1	17.52
0.645161290322581	35.35	33.09	29.95	25.57	23.08	17.16
0.67741935483871	35.21	33	29.85	25.56	23.07	16.96
0.709677419354839	34.92	32.74	29.5	25.24	22.76	16.86
0.741935483870968	34.87	32.66	29.46	25.17	22.71	16.72
0.774193548387097	34.87	32.62	29.44	25.04	22.64	16.64
0.806451612903226	34.7	32.5	29.36	24.89	22.56	16.64
0.838709677419355	34.68	32.48	29.25	24.87	22.33	15.82
0.870967741935484	34.37	32.14	28.98	24.6	22.09	15.78
0.903225806451613	34.18	31.96	28.78	24.48	22	15.74
0.935483870967742	33.54	31.36	28.12	23.94	21.69	14.97
0.967741935483871	24.5	22.28	19.07	14.82	12.55	5.122

0.1	39.485	37.246	34.145	29.73	26.476	20.776
Average of yearly averages:						
17.681733333333						

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: turf-F-ground-6

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		331.97	g/mol	
Henry's Law Const.		henry	2.2E-6		atm-m ³ /mol
Vapor Pressure	vapr		2.5E-6	torr	
Solubility	sol	5	mg/L		
Kd	Kd			mg/L	
Koc	Koc	2627	mg/L		
Photolysis half-life	kdp	0	days		Half-life
Aerobic Aquatic Metabolism	kbacw	120	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days		Halfife
Aerobic Soil Metabolism	asm	60	days		Halfife
Hydrolysis: pH 5	0	days			Half-life
Hydrolysis: pH 7	0	days			Half-life
Hydrolysis: pH 9	0	days			Half-life
Method:	CAM	2	integer		See PRZM manual
Incorporation Depth:	DEPI	0	cm		
Application Rate:	TAPP	16.8	kg/ha		
Application Efficiency:	APPEFF	0.99	fraction		
Spray Drift	DRFT	0.01	fraction of		application rate applied to pond
Application Date	Date	01-07	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	7	days		Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha		
Interval 2	interval	7	days		Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha		
Interval 3	interval	7	days		Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha		

Interval 4 interval 7 days Set to 0 or delete line for single
app.
app. rate 4 apprate kg/ha
Interval 5 interval 7 days Set to 0 or delete line for single
app.
app. rate 5 apprate kg/ha
Record 17: FILTRA
IPSCND 1
UPTKF
Record 18: PLVKRT
PLDKRT
FEXTRC 0.5
Flag for Index Res. Run IR EPA Pond
Flag for runoff calc. RUNOFF none none, monthly or
total(average of entire run)

**DCPA - Wettable Powder/Flowable Concentrate/Turf/aerial/6
applications/7 day interval**

stored as turf-F-air-6.out
Chemical: DCPA
PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007
at 12:03:48
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
16:33:30
Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	122	111	94.95	73.72	62.4	24.38
1962	146	135	119	97.37	85.01	52.55
1963	162	151	135	113	101	67.49
1964	161	150	134	113	101	68.63
1965	164	153	137	115	103	70.51
1966	169	158	142	120	107	75.08
1967	167	155	140	118	106	75.24
1968	164	153	137	116	103	71.76
1969	161	150	134	112	99.76	68.89
1970	162	151	135	113	100	68.11
1971	164	153	137	115	103	69.82
1972	166	155	139	117	105	72.92
1973	171	159	144	122	109	77.41
1974	168	157	141	119	107	75.76
1975	169	158	142	120	107	73.9
1976	167	156	139	118	106	73.92
1977	167	156	140	118	106	74.57
1978	165	154	138	117	104	72.8
1979	165	154	138	116	104	72.56
1980	167	156	140	118	106	74.09
1981	169	158	142	120	107	75.24
1982	171	160	144	122	110	80.36
1983	170	159	143	121	109	78.15
1984	166	155	139	117	104	73.39
1985	166	155	139	118	105	73.02
1986	168	156	140	119	106	73.53
1987	165	154	138	117	105	72.7
1988	164	153	137	116	103	70.94

1989	162	151	135	114	102	71.03
1990	166	154	139	117	104	71.89

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	171	160	144	122	110	80.36
0.0645161290322581	171	159	144	122	109	78.15
0.0967741935483871	170	159	143	121	109	77.41
0.129032258064516	169	158	142	120	107	75.76
0.161290322580645	169	158	142	120	107	75.24
0.193548387096774	169	158	142	120	107	75.24
0.225806451612903	168	157	141	119	107	75.08
0.258064516129032	168	156	140	119	106	74.57
0.290322580645161	167	156	140	118	106	74.09
0.32258064516129	167	156	140	118	106	73.92
0.354838709677419	167	156	140	118	106	73.9
0.387096774193548	167	155	139	118	106	73.53
0.419354838709677	166	155	139	118	105	73.39
0.451612903225806	166	155	139	117	105	73.02
0.483870967741936	166	155	139	117	105	72.92
0.516129032258065	166	154	139	117	104	72.8
0.548387096774194	165	154	138	117	104	72.7
0.580645161290323	165	154	138	117	104	72.56
0.612903225806452	165	154	138	116	104	71.89
0.645161290322581	164	153	137	116	103	71.76
0.67741935483871	164	153	137	116	103	71.03
0.709677419354839	164	153	137	115	103	70.94
0.741935483870968	164	153	137	115	103	70.51
0.774193548387097	162	151	135	114	102	69.82
0.806451612903226	162	151	135	113	101	68.89
0.838709677419355	162	151	135	113	101	68.63
0.870967741935484	161	150	134	113	100	68.11
0.903225806451613	161	150	134	112	99.76	67.49
0.935483870967742	146	135	119	97.37	85.01	52.55
0.967741935483871	122	111	94.95	73.72	62.4	24.38

0.1 169.9 158.9 142.9 120.9 108.8 77.245

Average of yearly averages: 70.688

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: turf-F-air-6

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	331.97	g/mol	
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Henry's Law Const.	henry	2.2E-6		atm-m^3/mol
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Vapor Pressure	vapr	2.5E-6	torr	
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Solubility	sol	5	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	2627	mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	120	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism asm 60 days Halfife
 Hydrolysis: pH 5 0 days Half-life
 Hydrolysis: pH 7 0 days Half-life
 Hydrolysis: pH 9 0 days Half-life
 Method: CAM 2 integer See PRZM manual
 Incorporation Depth: DEPI 0 cm
 Application Rate: TAPP 16.8 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 01-07 dd/mm or dd/mm or dd-mm or dd-
 Interval 1 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 1 apprate kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 2 apprate kg/ha
 Interval 3 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 3 apprate kg/ha
 Interval 4 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 4 apprate kg/ha
 Interval 5 interval 7 days Set to 0 or delete line for single
 app.
 app. rate 5 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

DCPA - Wettable Powder/Flowable Concentrate/Cole/ground/1 applications/2 inch soil incorporation

stored as cole-F-ground-1-inc.out
 Chemical: DCPA
 PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March
 2008 at 09:29:34
 EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at
 16:33:30
 Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.862	5.281	3.661	2.238	1.828	0.9752
1962	6.419	5.832	4.197	2.757	2.336	1.363
1963	6.697	6.097	4.432	2.981	2.552	1.546
1964	6.843	6.238	4.56	3.097	2.664	1.591
1965	6.811	6.221	4.582	3.143	2.72	1.674
1966	6.948	6.363	4.731	3.284	2.853	1.78
1967	7.001	6.402	4.737	3.287	2.848	1.733
1968	6.912	6.318	4.666	3.228	2.8	1.702
1969	6.899	6.281	4.576	3.105	2.68	1.604

1970	6.814	6.19	4.472	3.019	2.599	1.559
1971	6.819	6.222	4.566	3.106	2.677	1.634
1972	6.866	6.28	4.649	3.21	2.777	1.719
1973	6.971	6.368	4.695	3.244	2.813	1.741
1974	6.967	6.364	4.692	3.235	2.808	1.727
1975	6.941	6.342	4.68	3.21	2.765	1.711
1976	6.959	6.382	4.769	3.32	2.875	1.766
1977	7.017	6.43	4.791	3.337	2.892	1.765
1978	6.947	6.339	4.657	3.201	2.776	1.701
1979	6.934	6.328	4.649	3.187	2.76	1.687
1980	6.936	6.34	4.684	3.229	2.795	1.715
1981	6.958	6.365	4.713	3.266	2.837	1.751
1982	6.956	6.358	4.697	3.25	2.826	1.752
1983	6.957	6.366	4.721	3.272	2.847	1.748
1984	6.923	6.332	4.687	3.239	2.798	1.681
1985	6.897	6.314	4.686	3.235	2.791	1.704
1986	6.95	6.358	4.708	3.224	2.779	1.708
1987	6.958	6.355	4.683	3.223	2.793	1.713
1988	6.906	6.312	4.661	3.221	2.784	1.699
1989	6.917	6.324	4.674	3.223	2.789	1.71
1990	6.966	6.363	4.689	3.226	2.796	1.723

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	7.017	6.43	4.791	3.337	2.892	1.78
0.0645161290322581		7.001	6.402	4.769	3.32	2.875 1.766
0.0967741935483871		6.971	6.382	4.737	3.287	2.853 1.765
0.129032258064516	6.967	6.368	4.731	3.284	2.848	1.752
0.161290322580645	6.966	6.366	4.721	3.272	2.847	1.751
0.193548387096774	6.959	6.365	4.713	3.266	2.837	1.748
0.225806451612903	6.958	6.364	4.708	3.25	2.826	1.741
0.258064516129032	6.958	6.363	4.697	3.244	2.813	1.733
0.290322580645161	6.957	6.363	4.695	3.239	2.808	1.727
0.32258064516129	6.956	6.358	4.692	3.235	2.8	1.723
0.354838709677419	6.95	6.358	4.689	3.235	2.798	1.719
0.387096774193548	6.948	6.355	4.687	3.229	2.796	1.715
0.419354838709677	6.947	6.342	4.686	3.228	2.795	1.713
0.451612903225806	6.941	6.34	4.684	3.226	2.793	1.711
0.483870967741936	6.936	6.339	4.683	3.224	2.791	1.71
0.516129032258065	6.934	6.332	4.68	3.223	2.789	1.708
0.548387096774194	6.923	6.328	4.674	3.223	2.784	1.704
0.580645161290323	6.917	6.324	4.666	3.221	2.779	1.702
0.612903225806452	6.912	6.318	4.661	3.21	2.777	1.701
0.645161290322581	6.906	6.314	4.657	3.21	2.776	1.699
0.67741935483871	6.899	6.312	4.649	3.201	2.765	1.687
0.709677419354839	6.897	6.281	4.649	3.187	2.76	1.681
0.741935483870968	6.866	6.28	4.582	3.143	2.72	1.674
0.774193548387097	6.843	6.238	4.576	3.106	2.68	1.634
0.806451612903226	6.819	6.222	4.566	3.105	2.677	1.604
0.838709677419355	6.814	6.221	4.56	3.097	2.664	1.591
0.870967741935484	6.811	6.19	4.472	3.019	2.599	1.559
0.903225806451613	6.697	6.097	4.432	2.981	2.552	1.546
0.935483870967742	6.419	5.832	4.197	2.757	2.336	1.363
0.967741935483871	5.862	5.281	3.661	2.238	1.828	0.9752
0.1	6.9706	6.3806	4.7364	3.2867	2.8525	
	1.7637					

Average of yearly averages: 1.66274

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: cole-F-ground-1-inc

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: DCPA

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	331.97	g/mol		
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Henry's Law Const.	henry	2.2E-6	atm-m ³ /mol		
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Vapor Pressure	vapr	2.5E-6	torr		
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Solubility	sol	5	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	2627	mg/L		
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Photolysis half-life	kdp	0	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	120	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife	
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Aerobic Soil Metabolism	asm	60	days	Halfife	
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Hydrolysis: pH 5	0	days	Half-life		
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Hydrolysis: pH 7	0	days	Half-life		
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Hydrolysis: pH 9	0	days	Half-life		
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Method:	CAM	8	integer	See PRZM manual	
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Incorporation Depth:	DEPI	5.08	cm		
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Application Rate:	TAPP	11.8	kg/ha		
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Application Efficiency:	APPEFF	0.99	fraction		
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Spray Drift	DRFT	0.01	fraction of application rate applied to pond		
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Application Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm			
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

TPA- Granular/Cole Crop/7 applications/7 day interval

stored as TPA-colekd gran.out

Chemical: TPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March 2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	600	600	596	590	588	517
1962	1790	1780	1770	1760	1740	1590
1963	3200	3200	3200	3180	3170	2980
1964	3790	3790	3790	3780	3760	3660
1965	4270	4270	4270	4260	4250	4160
1966	4940	4940	4930	4870	4800	4680

1967	6450	6440	6440	6420	6420	6290
1968	7330	7320	7320	7310	7300	7200
1969	8210	8210	8200	8190	8180	8090
1970	8770	8770	8760	8740	8720	8660
1971	9350	9350	9350	9330	9330	9230
1972	10100	10100	10000	10000	9980	9560
1973	11000	11000	11000	11000	11000	10900
1974	11500	11500	11500	11500	11500	11400
1975	12200	12200	12200	12200	12200	12100
1976	12800	12700	12700	12700	12700	12600
1977	13500	13500	13400	13400	13300	13200
1978	14300	14300	14300	14300	14300	14200
1979	15400	15400	15400	15400	15400	15300
1980	16200	16200	16200	16200	16200	16100
1981	17000	17000	17000	16900	16900	16900
1982	18100	18100	18100	18000	18000	17900
1983	19000	19000	18900	18900	18900	18800
1984	19300	19300	19300	19300	19300	19100
1985	20000	20000	20000	20000	20000	19900
1986	21000	21000	21000	20900	20900	20800
1987	21700	21700	21700	21700	21700	21600
1988	22300	22300	22300	22300	22300	22200
1989	22700	22700	22700	22700	22700	22600
1990	23200	23200	23100	23100	23100	23100

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	23200	23200	23100	23100	23100	23100
0.0645161290322581		22700	22700	22700	22700	22600
0.0967741935483871		22300	22300	22300	22300	22200
0.129032258064516	21700	21700	21700	21700	21700	21600
0.161290322580645	21000	21000	21000	20900	20900	20800
0.193548387096774	20000	20000	20000	20000	20000	19900
0.225806451612903	19300	19300	19300	19300	19300	19100
0.258064516129032	19000	19000	18900	18900	18900	18800
0.290322580645161	18100	18100	18100	18000	18000	17900
0.32258064516129	17000	17000	17000	16900	16900	16900
0.354838709677419	16200	16200	16200	16200	16200	16100
0.387096774193548	15400	15400	15400	15400	15400	15300
0.419354838709677	14300	14300	14300	14300	14300	14200
0.451612903225806	13500	13500	13400	13400	13300	13200
0.483870967741936	12800	12700	12700	12700	12700	12600
0.516129032258065	12200	12200	12200	12200	12200	12100
0.548387096774194	11500	11500	11500	11500	11500	11400
0.580645161290323	11000	11000	11000	11000	11000	10900
0.612903225806452	10100	10100	10000	10000	9980	9560
0.645161290322581	9350	9350	9350	9330	9330	9230
0.67741935483871	8770	8770	8760	8740	8720	8660
0.709677419354839	8210	8210	8200	8190	8180	8090
0.741935483870968	7330	7320	7320	7310	7300	7200
0.774193548387097	6450	6440	6440	6420	6420	6290
0.806451612903226	4940	4940	4930	4870	4800	4680
0.838709677419355	4270	4270	4270	4260	4250	4160
0.870967741935484	3790	3790	3790	3780	3760	3660
0.903225806451613	3200	3200	3200	3180	3170	2980
0.935483870967742	1790	1780	1770	1760	1740	1590
0.967741935483871	600	600	596	590	588	517

0.1 22240 22240 22240 22240 22240 22140
Average of yearly averages:
12510.5666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPA-colekd gran

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	303.91	g/mol	
Henry's Law Const.	henry	6E-13	atm-m ³ /mol	
Vapor Pressure	vapr	4.89E-8	torr	
Solubility	sol	57800	mg/L	
Kd	Kd	4	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	0	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	10.8	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	
Interval 6	interval	7	days	Set to 0 or delete line for single app.
app. rate 6	apprate		kg/ha	
Record 17:	FILTRA			
	IPSCND	1		
	UPTKF			
Record 18:	PLVKRT			
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	

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

TPA- Granular/Cole Crop/3 applications/30 day interval

stored as TPA-colekd gran30.out

Chemical: TPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March
2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	224	224	223	216	212	179
1962	705	704	702	698	684	558
1963	1290	1290	1290	1280	1280	1190
1964	1490	1490	1490	1490	1470	1420
1965	1710	1710	1710	1710	1700	1670
1966	1990	1990	1990	1940	1900	1840
1967	2450	2440	2440	2440	2430	2380
1968	2700	2700	2700	2690	2690	2650
1969	3020	3020	3020	3020	3010	2970
1970	3300	3300	3300	3270	3260	3210
1971	3530	3530	3530	3520	3520	3480
1972	3860	3860	3850	3850	3820	3620
1973	4180	4180	4180	4170	4170	4130
1974	4430	4420	4420	4420	4420	4380
1975	4730	4730	4730	4720	4720	4680
1976	4950	4930	4910	4900	4890	4860
1977	5310	5310	5300	5260	5240	5190
1978	5660	5660	5660	5650	5650	5620
1979	6060	6060	6060	6060	6050	5990
1980	6360	6360	6360	6360	6360	6320
1981	6640	6640	6640	6630	6620	6580
1982	7210	7210	7200	7200	7190	7150
1983	7490	7490	7490	7480	7480	7440
1984	7650	7650	7650	7640	7620	7550
1985	7900	7900	7900	7900	7890	7850
1986	8260	8260	8250	8250	8240	8190
1987	8510	8510	8510	8490	8480	8450
1988	8800	8800	8790	8780	8770	8710
1989	8950	8950	8950	8950	8940	8910
1990	9130	9130	9120	9110	9110	9080

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	9130	9130	9120	9110	9110	9080
0.0645161290322581		8950	8950	8950	8950	8940
0.0967741935483871		8800	8800	8790	8780	8770
0.129032258064516	8510	8510	8510	8490	8480	8450
0.161290322580645	8260	8260	8250	8250	8240	8190
0.193548387096774	7900	7900	7900	7900	7890	7850
0.225806451612903	7650	7650	7650	7640	7620	7550
0.258064516129032	7490	7490	7490	7480	7480	7440
0.290322580645161	7210	7210	7200	7200	7190	7150
0.32258064516129	6640	6640	6640	6630	6620	6580

0.354838709677419	6360	6360	6360	6360	6360	6320
0.387096774193548	6060	6060	6060	6060	6050	5990
0.419354838709677	5660	5660	5660	5650	5650	5620
0.451612903225806	5310	5310	5300	5260	5240	5190
0.483870967741936	4950	4930	4910	4900	4890	4860
0.516129032258065	4730	4730	4730	4720	4720	4680
0.548387096774194	4430	4420	4420	4420	4420	4380
0.580645161290323	4180	4180	4180	4170	4170	4130
0.612903225806452	3860	3860	3850	3850	3820	3620
0.645161290322581	3530	3530	3530	3520	3520	3480
0.67741935483871	3300	3300	3300	3270	3260	3210
0.709677419354839	3020	3020	3020	3020	3010	2970
0.741935483870968	2700	2700	2700	2690	2690	2650
0.774193548387097	2450	2440	2440	2440	2430	2380
0.806451612903226	1990	1990	1990	1940	1900	1840
0.838709677419355	1710	1710	1710	1710	1700	1670
0.870967741935484	1490	1490	1490	1490	1470	1420
0.903225806451613	1290	1290	1290	1280	1280	1190
0.935483870967742	705	704	702	698	684	558
0.967741935483871	224	224	223	216	212	179

0.1 8771 8771 8762 8751 8741 8684

Average of yearly averages: 4874.9

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: TPA-colekd gran30

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	303.91	g/mol	
Henry's Law Const.	henry	6E-13	atm-m ³ /mol	
Vapor Pressure	vapr	4.89E-8	torr	
Solubility	sol	57800	mg/L	
Kd	Kd	4	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	0	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	10.8	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0	fraction of application rate applied to pond	
Application Date	Date	01-01	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	30	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	30	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	

Record 17: FILTRA

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

TPA- Granular/Cole Crop/1 applications/NA

stored as TPA-colekd gran1.out

Chemical: TPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March
 2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	86.78	86.59	86.2	85.41	84.91	76.73
1962	190	190	189	187	186	173
1963	354	354	353	352	351	333
1964	467	466	465	464	464	456
1965	540	540	539	539	538	536
1966	619	619	619	617	615	609
1967	940	939	935	928	925	896
1968	1030	1030	1030	1030	1030	1020
1969	1150	1150	1150	1140	1140	1130
1970	1260	1260	1260	1260	1260	1250
1971	1310	1310	1310	1310	1310	1300
1972	1370	1360	1360	1360	1360	1330
1973	1530	1530	1530	1530	1520	1510
1974	1610	1610	1610	1610	1610	1600
1975	1680	1680	1680	1680	1680	1670
1976	1730	1730	1730	1730	1730	1720
1977	1870	1870	1860	1860	1860	1850
1978	2000	2000	2000	1990	1990	1990
1979	2130	2130	2130	2130	2130	2120
1980	2240	2240	2230	2230	2230	2230
1981	2350	2350	2350	2350	2350	2330
1982	2680	2670	2670	2670	2660	2650
1983	2780	2780	2770	2770	2770	2760
1984	2800	2800	2800	2800	2800	2790
1985	2870	2870	2870	2870	2870	2860
1986	2950	2950	2950	2950	2950	2940
1987	3040	3040	3040	3040	3040	3030
1988	3100	3100	3100	3100	3100	3100
1989	3140	3140	3140	3140	3140	3130
1990	3190	3190	3190	3190	3190	3190

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	3190	3190	3190	3190	3190	3190
0.0645161290322581			3140	3140	3140	3140

0.0967741935483871	3100	3100	3100	3100	3100	3100
0.129032258064516	3040	3040	3040	3040	3040	3030
0.161290322580645	2950	2950	2950	2950	2950	2940
0.193548387096774	2870	2870	2870	2870	2870	2860
0.225806451612903	2800	2800	2800	2800	2800	2790
0.258064516129032	2780	2780	2770	2770	2770	2760
0.290322580645161	2680	2670	2670	2670	2660	2650
0.32258064516129	2350	2350	2350	2350	2350	2330
0.354838709677419	2240	2240	2230	2230	2230	2230
0.387096774193548	2130	2130	2130	2130	2130	2120
0.419354838709677	2000	2000	2000	1990	1990	1990
0.451612903225806	1870	1870	1860	1860	1860	1850
0.483870967741936	1730	1730	1730	1730	1730	1720
0.516129032258065	1680	1680	1680	1680	1680	1670
0.548387096774194	1610	1610	1610	1610	1610	1600
0.580645161290323	1530	1530	1530	1530	1520	1510
0.612903225806452	1370	1360	1360	1360	1360	1330
0.645161290322581	1310	1310	1310	1310	1310	1300
0.67741935483871	1260	1260	1260	1260	1260	1250
0.709677419354839	1150	1150	1150	1140	1140	1130
0.741935483870968	1030	1030	1030	1030	1030	1020
0.774193548387097	940	939	935	928	925	896
0.806451612903226	619	619	619	617	615	609
0.838709677419355	540	540	539	539	538	536
0.870967741935484	467	466	465	464	464	456
0.903225806451613	354	354	353	352	351	333
0.935483870967742	190	190	189	187	186	173
0.967741935483871	86.78	86.59	86.2	85.41	84.91	76.73

0.1 3094 3094 3094 3094 3094 3093
Average of yearly averages:
1752.65766666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPA-colekd gran1

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	303.91	g/mol	
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Henry's Law Const.	henry	6E-13	atm-m ³ /mol	
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Vapor Pressure	vapr	4.89E-8	torr	
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Solubility	sol	57800	mg/L	
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Kd	Kd	4	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	0	days	Halfife
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Hydrolysis: pH 7	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	10.8	kg/ha	
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Application Efficiency:	APPEFF	0.99	fraction	
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Spray Drift DRFT 0 fraction of application rate applied to pond
 Application Date Date 01-01 dd/mm or dd/mm or dd-mm or dd-mmm
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

TPA- wettable powder-flowable concentrate/ground/Cole Crop/7 applications/7 day interval

stored as TPA-colekd flo.out

Chemical: TPA

PRZM environment: CAColeCropRLF_V2.txt modified Wedday, 26 March 2008 at 09:29:34

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

Metfile: w23234.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	635	634	630	623	622	549
1962	1850	1850	1840	1820	1810	1660
1963	3300	3300	3300	3280	3270	3080
1964	3920	3920	3920	3920	3890	3790
1965	4440	4440	4440	4430	4420	4330
1966	5140	5130	5130	5060	5000	4880
1967	6680	6680	6670	6660	6650	6520
1968	7590	7590	7580	7570	7570	7470
1969	8510	8510	8500	8490	8480	8390
1970	9100	9090	9090	9070	9050	8980
1971	9720	9720	9710	9700	9690	9590
1972	10400	10400	10400	10400	10400	9960
1973	11500	11500	11500	11400	11400	11300
1974	12000	12000	12000	12000	12000	11900
1975	12700	12700	12700	12700	12700	12600
1976	13300	13300	13200	13200	13200	13100
1977	14000	14000	14000	13900	13900	13800
1978	14900	14900	14900	14900	14900	14800
1979	16100	16100	16100	16000	16000	15900
1980	16900	16900	16900	16900	16900	16800
1981	17700	17700	17600	17600	17600	17600
1982	18800	18800	18800	18800	18800	18600
1983	19700	19700	19700	19700	19700	19600
1984	20100	20100	20100	20100	20000	19900
1985	20800	20800	20800	20800	20800	20700
1986	21800	21800	21800	21800	21800	21700
1987	22600	22600	22600	22600	22600	22500
1988	23200	23200	23200	23200	23200	23100
1989	23600	23600	23600	23600	23600	23600
1990	24100	24100	24100	24100	24100	24000

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	24100	24100	24100	24100	24000
0.0645161290322581		23600	23600	23600	23600
0.0967741935483871		23200	23200	23200	23100
0.129032258064516	22600	22600	22600	22600	22500
0.161290322580645	21800	21800	21800	21800	21700
0.193548387096774	20800	20800	20800	20800	20700
0.225806451612903	20100	20100	20100	20100	19900
0.258064516129032	19700	19700	19700	19700	19600
0.290322580645161	18800	18800	18800	18800	18600
0.32258064516129	17700	17700	17600	17600	17600
0.354838709677419	16900	16900	16900	16900	16800
0.387096774193548	16100	16100	16100	16000	15900
0.419354838709677	14900	14900	14900	14900	14800
0.451612903225806	14000	14000	14000	13900	13800
0.483870967741936	13300	13300	13200	13200	13100
0.516129032258065	12700	12700	12700	12700	12600
0.548387096774194	12000	12000	12000	12000	11900
0.580645161290323	11500	11500	11500	11400	11300
0.612903225806452	10400	10400	10400	10400	9960
0.645161290322581	9720	9720	9710	9700	9590
0.67741935483871	9100	9090	9090	9070	8980
0.709677419354839	8510	8510	8500	8490	8390
0.741935483870968	7590	7590	7580	7570	7470
0.774193548387097	6680	6680	6670	6660	6520
0.806451612903226	5140	5130	5130	5060	4880
0.838709677419355	4440	4440	4440	4430	4330
0.870967741935484	3920	3920	3920	3920	3790
0.903225806451613	3300	3300	3300	3280	3080
0.935483870967742	1850	1850	1840	1820	1660
0.967741935483871	635	634	630	623	549
0.1	23140	23140	23140	23140	23040
Average of yearly averages:					13023.3

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPA-colekd flo

Metfile: w23234.dvf

PRZM scenario: CAColeCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		303.91	g/mol	
Henry's Law Const.	henry		6E-13	atm-m ³ /mol	
Vapor Pressure	vapr		4.89E-8	torr	
Solubility	sol		57800	mg/L	
Kd	Kd	4		mg/L	
Koc	Koc			mg/L	
Photolysis half-life	kdp	0		days	Half-life
Aerobic Aquatic Metabolism	kbacw	0		days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0		days	Halfife
Aerobic Soil Metabolism	asm	0		days	Halfife
Hydrolysis: pH 7	0			days	Half-life
Method:	CAM	2		integer	See PRZM manual
Incorporation Depth:	DEPI	0		cm	

Application Rate: TAPP 10.8 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 01-01 dd/mm or dd/mmm or dd-mm or dd-mmm
 Interval 1 interval 7 days Set to 0 or delete line for single app.
 app. rate 1 apprate kg/ha
 Interval 2 interval 7 days Set to 0 or delete line for single app.
 app. rate 2 apprate kg/ha
 Interval 3 interval 7 days Set to 0 or delete line for single app.
 app. rate 3 apprate kg/ha
 Interval 4 interval 7 days Set to 0 or delete line for single app.
 app. rate 4 apprate kg/ha
 Interval 5 interval 7 days Set to 0 or delete line for single app.
 app. rate 5 apprate kg/ha
 Interval 6 interval 7 days Set to 0 or delete line for single app.
 app. rate 6 apprate kg/ha
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or
 total(average of entire run)

TPA- flowable concentrate-wettable powder/air/nursery/6 applications/7 day interval

stored as TPAkdnursair.out

Chemical: TPA

PRZM environment: CAnurserySTD_V2.txt modified Tuesday, 27 May 2008 at 10:16:22

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

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	350	349	345	267	192	47.38
1962	709	708	706	686	632	517
1963	1310	1310	1310	1180	1050	818
1964	1640	1640	1570	1540	1490	1370
1965	2960	2960	2950	2590	2280	1790
1966	3550	3550	3540	3280	3160	2960
1967	4340	4340	4320	4120	3950	3670
1968	4530	4530	4530	4510	4450	4350
1969	5350	5350	5340	5320	5270	5150
1970	6080	6080	6040	5880	5770	5550
1971	6520	6520	6410	6350	6270	6120
1972	7120	7120	7120	6990	6840	6580
1973	7370	7370	7370	7330	7260	7130

1974	8100	8100	8080	7890	7780	7580
1975	8380	8380	8370	8350	8300	8180
1976	9040	8950	8920	8900	8850	8710
1977	9440	9440	9430	9410	9350	9240
1978	10200	10200	10200	10100	9970	9820
1979	10500	10500	10500	10500	10500	10300
1980	11300	11300	11300	11300	11200	11100
1981	12200	12200	12200	11900	11800	11500
1982	12600	12600	12600	12600	12500	12300
1983	12900	12900	12900	12900	12800	12700
1984	13400	13400	13300	13200	13100	12900
1985	14600	14600	14600	14200	13900	13500
1986	14900	14900	14900	14900	14800	14600
1987	15600	15600	15500	15400	15300	15100
1988	16000	16000	16000	15900	15800	15700
1989	16300	16300	16200	16200	16100	16000
1990	16600	16600	16600	16600	16500	16400

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	16600	16600	16600	16600	16500	16400
0.0645161290322581		16300	16300	16200	16200	16100
0.0967741935483871		16000	16000	16000	15900	15800
0.129032258064516	15600	15600	15500	15400	15300	15100
0.161290322580645	14900	14900	14900	14900	14800	14600
0.193548387096774	14600	14600	14600	14200	13900	13500
0.225806451612903	13400	13400	13300	13200	13100	12900
0.258064516129032	12900	12900	12900	12900	12800	12700
0.290322580645161	12600	12600	12600	12600	12500	12300
0.32258064516129	12200	12200	12200	11900	11800	11500
0.354838709677419	11300	11300	11300	11300	11200	11100
0.387096774193548	10500	10500	10500	10500	10500	10300
0.419354838709677	10200	10200	10200	10100	9970	9820
0.451612903225806	9440	9440	9430	9410	9350	9240
0.483870967741936	9040	8950	8920	8900	8850	8710
0.516129032258065	8380	8380	8370	8350	8300	8180
0.548387096774194	8100	8100	8080	7890	7780	7580
0.580645161290323	7370	7370	7370	7330	7260	7130
0.612903225806452	7120	7120	7120	6990	6840	6580
0.645161290322581	6520	6520	6410	6350	6270	6120
0.67741935483871	6080	6080	6040	5880	5770	5550
0.709677419354839	5350	5350	5340	5320	5270	5150
0.741935483870968	4530	4530	4530	4510	4450	4350
0.774193548387097	4340	4340	4320	4120	3950	3670
0.806451612903226	3550	3550	3540	3280	3160	2960
0.838709677419355	2960	2960	2950	2590	2280	1790
0.870967741935484	1640	1640	1570	1540	1490	1370
0.903225806451613	1310	1310	1310	1180	1050	818
0.935483870967742	709	708	706	686	632	517
0.967741935483871	350	349	345	267	192	47.38

0.1 15960 15960 15950 15850 15750 15640

Average of yearly averages:

8389.4126666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPAkdnursair

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	303.91	g/mol	
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Henry's Law Const.	henry	6E-13	atm-m ³ /mol	
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Vapor Pressure	vapr	4.89E-8	torr	
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Solubility	sol	57800	mg/L	
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Kd	Kd	4	mg/L	
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Koc	Koc		mg/L	
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Photolysis half-life	kdp	0	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
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Aerobic Soil Metabolism	asm	0	days	Halfife
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Hydrolysis: pH 7	0	days	Half-life	
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Method:	CAM	2	integer	See PRZM manual
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Incorporation Depth:	DEPI	0	cm	
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Application Rate:	TAPP	15.5	kg/ha	
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Application Efficiency:	APPEFF	0.95	fraction	
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Spray Drift	DRFT	0.05	fraction of application rate applied to pond	
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Application Date	Date	15-10	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	interval	7	days	Set to 0 or delete line for single app.
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app. rate 1	apprate		kg/ha	
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Interval 2	interval	7	days	Set to 0 or delete line for single app.
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app. rate 2	apprate		kg/ha	
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Interval 3	interval	7	days	Set to 0 or delete line for single app.
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app. rate 3	apprate		kg/ha	
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Interval 4	interval	7	days	Set to 0 or delete line for single app.
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app. rate 4	apprate		kg/ha	
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Interval 5	interval	7	days	Set to 0 or delete line for single app.
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app. rate 5	apprate		kg/ha	
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Record 17: FILTRA

IPSCND 1

UPTKF

Record 18: PLVKRT

PLDKRT

FEXTRC 0.5

Flag for Index Res. Run IR EPA Pond

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

TPA- wettable powder-flowable concentrate/ground/nursery/6 applications/7 day interval

stored as TPAkdnursground.out

Chemical: TPA

PRZM environment: CAnurserySTD_V2.txt modified Tuesday, 27 May 2008 at 10:16:22

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

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22
 Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	178	178	175	108	74.88	18.46
1962	379	378	378	374	363	335
1963	837	836	833	722	630	478
1964	1010	1010	944	927	911	879
1965	2220	2220	2210	1840	1570	1150
1966	2660	2660	2650	2390	2310	2190
1967	3320	3320	3290	3100	2970	2770
1968	3340	3340	3340	3330	3320	3300
1969	4020	4020	4020	4010	4000	3970
1970	4610	4610	4580	4420	4350	4210
1971	4910	4910	4790	4740	4710	4640
1972	5360	5360	5360	5240	5120	4950
1973	5440	5440	5440	5420	5400	5350
1974	6040	6040	6020	5830	5760	5650
1975	6150	6150	6150	6150	6130	6100
1976	6690	6590	6560	6550	6540	6480
1977	6930	6930	6910	6900	6890	6870
1978	7580	7580	7520	7410	7370	7300
1979	7720	7720	7710	7710	7700	7670
1980	8360	8360	8360	8360	8340	8300
1981	9090	9090	9080	8870	8760	8580
1982	9360	9360	9360	9330	9280	9180
1983	9510	9510	9510	9490	9470	9430
1984	9810	9810	9760	9650	9610	9530
1985	10900	10900	10900	10600	10300	9920
1986	11100	11100	11100	11100	11000	10900
1987	11600	11600	11600	11500	11400	11200
1988	11900	11900	11900	11800	11700	11700
1989	12100	12100	11900	11900	11900	11900
1990	12200	12200	12200	12200	12200	12100

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	12200	12200	12200	12200	12200	12100
0.0645161290322581			12100	12100	11900	11900
0.0967741935483871			11900	11900	11900	11800
0.129032258064516	11600	11600	11600	11500	11400	11200
0.161290322580645	11100	11100	11100	11100	11000	10900
0.193548387096774	10900	10900	10900	10600	10300	9920
0.225806451612903	9810	9810	9760	9650	9610	9530
0.258064516129032	9510	9510	9510	9490	9470	9430
0.290322580645161	9360	9360	9360	9330	9280	9180
0.32258064516129	9090	9090	9080	8870	8760	8580
0.354838709677419	8360	8360	8360	8360	8340	8300
0.387096774193548	7720	7720	7710	7710	7700	7670
0.419354838709677	7580	7580	7520	7410	7370	7300
0.451612903225806	6930	6930	6910	6900	6890	6870
0.483870967741936	6690	6590	6560	6550	6540	6480
0.516129032258065	6150	6150	6150	6150	6130	6100
0.548387096774194	6040	6040	6020	5830	5760	5650
0.580645161290323	5440	5440	5440	5420	5400	5350
0.612903225806452	5360	5360	5360	5240	5120	4950
0.645161290322581	4910	4910	4790	4740	4710	4640

0.67741935483871	4610	4610	4580	4420	4350	4210
0.709677419354839	4020	4020	4020	4010	4000	3970
0.741935483870968	3340	3340	3340	3330	3320	3300
0.774193548387097	3320	3320	3290	3100	2970	2770
0.806451612903226	2660	2660	2650	2390	2310	2190
0.838709677419355	2220	2220	2210	1840	1570	1150
0.870967741935484	1010	1010	944	927	911	879
0.903225806451613	837	836	833	722	630	478
0.935483870967742	379	378	378	374	363	335
0.967741935483871	178	178	175	108	74.88	18.46

0.1 11870 11870 11870 11770 11670 11650

Average of yearly averages:

6235.01533333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPAkdnursground

Metfile: w23188.dvf

PRZM scenario: CANurserySTD_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	303.91	g/mol	
Henry's Law Const.	henry	6E-13	atm-m ³ /mol	
Vapor Pressure	vapr	4.89E-8	torr	
Solubility	sol	57800	mg/L	
Kd	Kd	4	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	0	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	15.5	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	15-10	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	7	days	Set to 0 or delete line for single app.
app. rate 1	apprate		kg/ha	
Interval 2	interval	7	days	Set to 0 or delete line for single app.
app. rate 2	apprate		kg/ha	
Interval 3	interval	7	days	Set to 0 or delete line for single app.
app. rate 3	apprate		kg/ha	
Interval 4	interval	7	days	Set to 0 or delete line for single app.
app. rate 4	apprate		kg/ha	
Interval 5	interval	7	days	Set to 0 or delete line for single app.
app. rate 5	apprate		kg/ha	

Record 17: FILTRA

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

**TPA- wettable powder-flowable concentrate/ground/nursery/6
 applications/7 day interval**

stored as TPAkdnursground30.out

Chemical: TPA

PRZM environment: CAnurserySTD_V2.txt modified Tuesday, 27 May 2008
 at 10:16:22

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

Metfile: w23188.dvf modified Wedday, 3 July 2002 at 09:04:22

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	138	136	132	82.77	63.16	17.6
1962	388	386	382	378	374	345
1963	605	603	600	567	539	464
1964	772	770	717	703	697	670
1965	1570	1570	1560	1270	1110	865
1966	1930	1930	1930	1790	1740	1610
1967	2380	2380	2350	2240	2180	2070
1968	2460	2460	2460	2450	2450	2420
1969	3150	3140	3140	3140	3130	3100
1970	3640	3640	3610	3490	3440	3330
1971	3950	3950	3880	3850	3820	3710
1972	4190	4190	4180	4120	4070	3970
1973	4270	4270	4260	4250	4240	4210
1974	4800	4790	4770	4640	4600	4510
1975	4920	4920	4910	4910	4900	4870
1976	5450	5370	5340	5340	5330	5270
1977	5680	5680	5670	5660	5650	5610
1978	6210	6210	6160	6090	6070	6020
1979	6490	6490	6490	6480	6480	6440
1980	7030	7030	7020	7020	7010	6980
1981	7490	7490	7480	7370	7320	7210
1982	7750	7750	7740	7720	7690	7620
1983	7900	7890	7890	7880	7880	7840
1984	8130	8130	8080	7990	7970	7910
1985	8650	8650	8640	8500	8380	8180
1986	8940	8940	8940	8920	8890	8750
1987	9270	9270	9240	9180	9140	9040
1988	9500	9490	9470	9410	9390	9340
1989	9630	9620	9540	9530	9520	9500
1990	9740	9740	9740	9730	9730	9710

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	9740	9740	9740	9730	9730	9710
0.0645161290322581		9630	9620	9540	9530	9520
0.0967741935483871		9500	9490	9470	9410	9390

0.129032258064516	9270	9270	9240	9180	9140	9040
0.161290322580645	8940	8940	8940	8920	8890	8750
0.193548387096774	8650	8650	8640	8500	8380	8180
0.225806451612903	8130	8130	8080	7990	7970	7910
0.258064516129032	7900	7890	7890	7880	7880	7840
0.290322580645161	7750	7750	7740	7720	7690	7620
0.32258064516129	7490	7490	7480	7370	7320	7210
0.354838709677419	7030	7030	7020	7020	7010	6980
0.387096774193548	6490	6490	6490	6480	6480	6440
0.419354838709677	6210	6210	6160	6090	6070	6020
0.451612903225806	5680	5680	5670	5660	5650	5610
0.483870967741936	5450	5370	5340	5340	5330	5270
0.516129032258065	4920	4920	4910	4910	4900	4870
0.548387096774194	4800	4790	4770	4640	4600	4510
0.580645161290323	4270	4270	4260	4250	4240	4210
0.612903225806452	4190	4190	4180	4120	4070	3970
0.645161290322581	3950	3950	3880	3850	3820	3710
0.67741935483871	3640	3640	3610	3490	3440	3330
0.709677419354839	3150	3140	3140	3140	3130	3100
0.741935483870968	2460	2460	2460	2450	2450	2420
0.774193548387097	2380	2380	2350	2240	2180	2070
0.806451612903226	1930	1930	1930	1790	1740	1610
0.838709677419355	1570	1570	1560	1270	1110	865
0.870967741935484	772	770	717	703	697	670
0.903225806451613	605	603	600	567	539	464
0.935483870967742	388	386	382	378	374	345
0.967741935483871	138	136	132	82.77	63.16	17.6

0.1 9477 9468 9447 9387 9365 9310

Average of yearly averages: 5052.72

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: TPAkdnursground30

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: TPA

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	303.91	g/mol	
Henry's Law Const.	henry	6E-13	atm-m^3/mol	
Vapor Pressure	vapr	4.89E-8	torr	
Solubility	sol	57800	mg/L	
Kd	Kd	4	mg/L	
Koc	Koc		mg/L	
Photolysis half-life	kdp	0	days	Half-life
Aerobic Aquatic Metabolism	kbacw	0	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	0	days	Halfife
Aerobic Soil Metabolism	asm	0	days	Halfife
Hydrolysis: pH 7	0	days	Half-life	
Method:	CAM	2	integer	See PRZM manual
Incorporation Depth:	DEPI	0	cm	
Application Rate:	TAPP	15.5	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	01-08	dd/mm or dd/mm or dd-mm or dd-mmm	

Interval 1	interval	30	days	Set to 0 or delete line for single
app.				
app. rate 1	apprate		kg/ha	
Interval 2	interval	30	days	Set to 0 or delete line for single
app.				
app. rate 2	apprate		kg/ha	
Interval 3	interval	30	days	Set to 0 or delete line for single
app.				
app. rate 3	apprate		kg/ha	
Interval 4	interval	30	days	Set to 0 or delete line for single
app.				
app. rate 4	apprate		kg/ha	
Interval 5	interval	30	days	Set to 0 or delete line for single
app.				
app. rate 5	apprate		kg/ha	

Record 17: FILTRA

IPSCND	1
UPTKF	

Record 18: PLVKRT

PLDKRT	
FEXTRC	0.5

Flag for Index Res. Run IR EPA Pond

Flag for runoff calc. RUNOFF none none, monthly or

total(average of entire run)