

Appendix G: Fate Monitoring Output

- GENEEC2 Model

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RUN No.    1 FOR DIURON                ON    ALFALFA                * INPUT VALUES *
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RATE (#/AC)  No.APPS &  SOIL  SOLUBIL  APPL TYPE NO-SPRAY INCORP
ONE(MULT)    INTERVAL   Koc  (PPM )  (%DRIFT)  (FT)    (IN)
-----
2.400(  2.400)  1  1    418.0  36.4  GRHIFI(  6.6)    .0    .0
  
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FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

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-----
METABOLIC  DAYS UNTIL  HYDROLYSIS  PHOTOLYSIS  METABOLIC  COMBINED
(FIELD)    RAIN/RUNOFF  (POND)      (POND-EFF)  (POND)     (POND)
-----
372.00      2          1330.00  *****_*****  .00      1323.49
  
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GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

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-----
PEAK      MAX 4 DAY  MAX 21 DAY  MAX 60 DAY  MAX 90 DAY
GEEC      AVG GEEC   AVG GEEC   AVG GEEC   AVG GEEC
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86.45     86.23      84.97      82.22      80.23
  
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RUN No.    1 FOR DIURON                ON    CITRUS                * INPUT VALUES *
-----
RATE (#/AC)  No.APPS &  SOIL  SOLUBIL  APPL TYPE NO-SPRAY INCORP
ONE(MULT)    INTERVAL   Koc  (PPM )  (%DRIFT)  (FT)    (IN)
-----
3.200(  6.062)  2  60    418.0  36.4  GRHIFI(  6.6)    .0    .0
  
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FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

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-----
METABOLIC  DAYS UNTIL  HYDROLYSIS  PHOTOLYSIS  METABOLIC  COMBINED
(FIELD)    RAIN/RUNOFF  (POND)      (POND-EFF)  (POND)     (POND)
-----
372.00      2          1330.00  *****_*****  .00      1323.49
  
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GENERIC EECs (IN MICROGRAMS/LITER (PPB)) Version 2.0 Aug 1, 2001

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-----
PEAK      MAX 4 DAY  MAX 21 DAY  MAX 60 DAY  MAX 90 DAY
GEEC      AVG GEEC   AVG GEEC   AVG GEEC   AVG GEEC
-----
219.38     218.83      215.64      208.66      203.62
  
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RUN No.    1 FOR DIURON                ON    GRAPE                * INPUT VALUES *
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RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
3.200(5.906)	2 90	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
214.25	213.71	210.60	203.79	198.87

RUN No. 1 FOR diuron ON nonagricul * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
12.000(22.147)	2 90	418.0	36.4	AERL_B(13.0)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
372.00	2	1330.00	*****_*****	.00	1323.49

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
858.97	856.95	844.84	818.32	799.13

RUN No. 1 FOR Diuron ON Walnut * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
3.000(5.268)	2 150	418.0	36.4	GRHIFI(6.6)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC	DAYS UNTIL	HYDROLYSIS	PHOTOLYSIS	METABOLIC	COMBINED
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(FIELD)	RAIN/RUNOFF	(POND)	(POND-EFF)	(POND)	(POND)
372.00	2	1330.00	*****_*****	.00	1323.49

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
192.00	191.52	188.73	182.64	178.23

RUN No. 1 FOR diuron ON alfalfa * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
2.400(2.400)	1 1	418.0	36.4	AERL_B(13.0)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
372.00	2	N/A	*****_*****	*****	1323.49

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
91.87	91.65	90.35	87.50	85.45

RUN No. 1 FOR DIURON ON APPLE * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
3.200(5.906)	2 90	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
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214.25	213.71	210.60	203.79	198.87
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RUN No. 1 FOR DIURON ON FILBERT-HA * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
2.200(3.864)	2 150	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
140.80	140.45	138.40	133.93	130.70

RUN No. 1 FOR diuron ON Grasses gr * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
1.600(1.600)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
57.63	57.49	56.65	54.81	53.48

RUN No. 1 FOR DIURON ON NONAGROW12 * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
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12.000(22.147) 2 90 418.0 36.4 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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
803.44	801.42	789.74	764.21	745.74

RUN No. 1 FOR DIURON ON ARTICHOKE * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
3.200(3.200)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
115.26	114.97	113.29	109.62	106.97

RUN No. 1 FOR DIURON ON BLACKBERRY * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
2.400(11.088)	6 60	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
409.38	408.36	402.44	389.49	380.13

RUN No. 1 FOR DIURON ON CORN * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
.800(.800)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
28.82	28.74	28.32	27.41	26.74

RUN No. 1 FOR DIURON ON PAPAYA * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
4.000(4.000)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
144.08	143.72	141.62	137.03	133.71

RUN No. 1 FOR DIURON		ON BANANA		* INPUT VALUES *			
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)	
4.800(9.239)	2 42	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
333.90	333.05	328.19	317.57	309.89

RUN No. 1 FOR DIURON		ON COTTON		* INPUT VALUES *			
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)	
1.600(4.618)	3 21	418.0	36.4	AERL_B(13.0)	.0	.0	

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
372.00	2	1330.00	*****_*****	.00	1323.49

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
177.89	177.46	174.95	169.45	165.47

RUN No. 1 FOR DIURON		ON BLUEBERRY		* INPUT VALUES *			
RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)	
1.600(2.899)	2 112	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
105.33	105.07	103.54	100.19	97.77

RUN No. 1 FOR DIURON ON DEWBERRY * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
2.400(6.465)	3 60	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
235.13	234.54	231.13	223.66	218.26

RUN No. 1 FOR DIURON ON ORNAMENTAL * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
2.000(2.000)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
72.04	71.86	70.81	68.51	66.86

RUN No. 1 FOR DIURON ON PAVED AREA * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
12.000(55.442)	6 60	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
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RUN No. 1 FOR DIURON ON SEWAGE DIS * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
12.000(22.731)	2 60	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
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RUN No. 1 FOR DIURON ON UNCULTIVAT * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
12.000(22.731)	2 60	418.0	36.4	AERL_B(13.0)	.0	.0

FIELD AND STANDARD POND HALFLIFE VALUES (DAYS)

METABOLIC (FIELD)	DAYS UNTIL RAIN/RUNOFF	HYDROLYSIS (POND)	PHOTOLYSIS (POND-EFF)	METABOLIC (POND)	COMBINED (POND)
372.00	2	1330.00	*****_*****	.00	1323.49

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
877.81	875.74	863.34	836.22	816.59

RUN No. 1 FOR DIURON ON WHEAT * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
1.600(1.600)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
57.63	57.49	56.65	54.81	53.48

RUN No. 1 FOR DIURON ON SORGHUM * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCRP (IN)
.400(.758)	2 60	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
27.42	27.35	26.95	26.08	25.45

RUN No. 1 FOR DIURON ON PEACH * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
3.000(3.000)	1 1	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
108.06	107.79	106.21	102.77	100.28

RUN No. 1 FOR DIURON ON OLIVE * INPUT VALUES *

RATE (#/AC) ONE(MULT)	No.APPS & INTERVAL	SOIL Koc	SOLUBIL (PPM)	APPL TYPE (%DRIFT)	NO-SPRAY (FT)	INCORP (IN)
1.600(2.770)	2 168	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
101.08	100.83	99.36	96.15	93.83

RUN No. 1 FOR DIURON ON COTTON * INPUT VALUES *

RATE (#/AC)	No.APPS &	SOIL	SOLUBIL	APPL TYPE	NO-SPRAY	INCORP
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ONE(MULT)	INTERVAL	Koc	(PPM)	(%DRIFT)	(FT)	(IN)
1.600(4.618)	3 21	418.0	36.4	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)
372.00	2	1330.00	*****_*****	.00	1323.49

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
166.91	166.49	164.06	158.75	154.91

• PRZM/EXAMS Model

stored as APPLE.out

Chemical: Diuron

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.462	4.293	3.689	2.799	2.532	1.068
1962	10.89	10.51	9.179	6.984	6.219	2.227
1963	8.88	8.538	7.604	6.197	5.672	2.197
1964	2.314	2.225	1.914	1.42	1.16	0.5935
1965	5.919	5.684	4.864	4.224	3.667	1.363
1966	2.286	2.193	1.866	1.351	1.105	0.5642
1967	10.37	10.05	8.693	6.341	5.134	1.984
1968	2.377	2.283	1.962	1.438	1.189	0.6044
1969	22.74	21.86	18.82	15.19	13.2	4.735
1970	11.78	11.31	9.667	7.904	7.046	2.688
1971	7.033	6.743	5.734	4.218	3.424	1.265
1972	2.318	2.228	1.914	1.393	1.148	0.5914
1973	5.267	5.062	4.352	3.336	3.206	1.24
1974	2.32	2.23	1.91	1.394	1.143	0.573
1975	2.299	2.213	1.91	1.409	1.145	0.5778
1976	11.11	10.68	9.169	7.009	6.26	2.289
1977	2.304	2.209	1.892	1.396	1.137	0.5758
1978	9.694	9.508	8.422	6.797	6.164	2.487
1979	2.492	2.394	2.047	1.49	1.357	0.6426
1980	11.15	10.74	9.416	7.461	6.728	2.705
1981	5.71	5.488	4.71	3.583	3.278	1.309
1982	3.436	3.309	2.86	2.246	2.039	0.8594
1983	17.62	16.95	15.21	12.3	10.57	4.246
1984	2.399	2.305	2.01	1.456	1.25	0.6222
1985	2.339	2.269	1.949	1.417	1.176	0.5827
1986	8.89	8.538	7.373	5.81	5.281	1.94

1987	2.711	2.602	2.227	1.666	1.578	0.7378
1988	4.464	4.282	3.644	2.701	2.186	0.8993
1989	3.625	3.482	2.985	2.527	2.326	0.9708
1990	3.008	2.886	2.466	1.991	1.648	0.7496

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129	22.74	21.86	18.82	15.19	13.2	4.735	
0.0645161290322581		17.62	16.95	15.21	12.3	10.57	4.246
0.0967741935483871		11.78	11.31	9.667	7.904	7.046	2.705
0.129032258064516	11.15	10.74	9.416	7.461	6.728	2.688	
0.161290322580645	11.11	10.68	9.179	7.009	6.26	2.487	
0.193548387096774	10.89	10.51	9.169	6.984	6.219	2.289	
0.225806451612903	10.37	10.05	8.693	6.797	6.164	2.227	
0.258064516129032	9.694	9.508	8.422	6.341	5.672	2.197	
0.290322580645161	8.89	8.538	7.604	6.197	5.281	1.984	
0.32258064516129	8.88	8.538	7.373	5.81	5.134	1.94	
0.354838709677419	7.033	6.743	5.734	4.224	3.667	1.363	
0.387096774193548	5.919	5.684	4.864	4.218	3.424	1.309	
0.419354838709677	5.71	5.488	4.71	3.583	3.278	1.265	
0.451612903225806	5.267	5.062	4.352	3.336	3.206	1.24	
0.483870967741936	4.464	4.293	3.689	2.799	2.532	1.068	
0.516129032258065	4.462	4.282	3.644	2.701	2.326	0.9708	
0.548387096774194	3.625	3.482	2.985	2.527	2.186	0.8993	
0.580645161290323	3.436	3.309	2.86	2.246	2.039	0.8594	
0.612903225806452	3.008	2.886	2.466	1.991	1.648	0.7496	
0.645161290322581	2.711	2.602	2.227	1.666	1.578	0.7378	
0.67741935483871	2.492	2.394	2.047	1.49	1.357	0.6426	
0.709677419354839	2.399	2.305	2.01	1.456	1.25	0.6222	
0.741935483870968	2.377	2.283	1.962	1.438	1.189	0.6044	
0.774193548387097	2.339	2.269	1.949	1.42	1.176	0.5935	
0.806451612903226	2.32	2.23	1.914	1.417	1.16	0.5914	
0.838709677419355	2.318	2.228	1.914	1.409	1.148	0.5827	
0.870967741935484	2.314	2.225	1.91	1.396	1.145	0.5778	
0.903225806451613	2.304	2.213	1.91	1.394	1.143	0.5758	
0.935483870967742	2.299	2.209	1.892	1.393	1.137	0.573	
0.967741935483871	2.286	2.193	1.866	1.351	1.105	0.5642	

0.1	11.717	11.253	9.6419	7.8597	7.0142	2.7033
Average of yearly averages:						1.46291666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: APPLE

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m^3/mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life

Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 1116 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.59 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 16-1 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 3.59 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)

stored as Airport2.out

Chemical: Diuron

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 11:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1460	1410	1230	921	773	274
1962	763	737	656	538	477	188
1963	2250	2170	1870	1410	1190	429
1964	302	291	251	207	180	69.85
1965	1600	1540	1360	1130	1010	394
1966	1650	1620	1420	1100	972	387
1967	2930	2820	2480	1920	1620	592
1968	1030	1000	913	806	693	256
1969	723	703	615	486	422	159
1970	998	970	865	656	551	208
1971	242	234	206	170	170	76.89
1972	463	450	395	299	252	91.11
1973	1530	1480	1290	1040	883	322
1974	1430	1390	1200	1000	871	328
1975	1280	1240	1080	823	697	273
1976	538	522	462	382	346	135
1977	828	799	686	632	587	235
1978	609	591	521	401	357	145
1979	1030	995	862	660	578	232
1980	949	924	809	619	522	215
1981	1560	1520	1350	1020	859	308
1982	754	729	644	576	518	203
1983	2560	2490	2170	1640	1370	495

1984	403	390	348	295	265	100
1985	526	506	471	435	386	146
1986	888	859	765	646	573	217
1987	775	758	677	599	519	190
1988	486	469	407	346	318	124
1989	876	844	740	589	523	196
1990	801	777	715	661	591	225

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2930	2820	2480	1920	1620 592
0.0645161290322581		2560	2490	2170	1640 1370 495
0.0967741935483871		2250	2170	1870	1410 1190 429
0.129032258064516	1650	1620	1420	1130	1010 394
0.161290322580645	1600	1540	1360	1100	972 387
0.193548387096774	1560	1520	1350	1040	883 328
0.225806451612903	1530	1480	1290	1020	871 322
0.258064516129032	1460	1410	1230	1000	859 308
0.290322580645161	1430	1390	1200	921	773 274
0.32258064516129	1280	1240	1080	823	697 273
0.354838709677419	1030	1000	913	806	693 256
0.387096774193548	1030	995	865	661	591 235
0.419354838709677	998	970	862	660	587 232
0.451612903225806	949	924	809	656	578 225
0.483870967741936	888	859	765	646	573 217
0.516129032258065	876	844	740	632	551 215
0.548387096774194	828	799	715	619	523 208
0.580645161290323	801	777	686	599	522 203
0.612903225806452	775	758	677	589	519 196
0.645161290322581	763	737	656	576	518 190
0.67741935483871	754	729	644	538	477 188
0.709677419354839	723	703	615	486	422 159
0.741935483870968	609	591	521	435	386 146
0.774193548387097	538	522	471	401	357 145
0.806451612903226	526	506	462	382	346 135
0.838709677419355	486	469	407	346	318 124
0.870967741935484	463	450	395	299	265 100
0.903225806451613	403	390	348	295	252 91.11
0.935483870967742	302	291	251	207	180 76.89
0.967741935483871	242	234	206	170	170 69.85

0.1 2190 2115 1825 1382 1172 425.5

Average of yearly averages: 240.461666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Airport2

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name	Value	Units	Comments
Molecular weight mwt	233.1	g/mol	
Henry's Law Const.	henry 2.2E-10		atm-m^3/mol
Vapor Pressure vapr	6.9E-8	torr	
Solubility sol	420	mg/L	

Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 1116 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as Wheat-PRE2.out

Chemical: Diuron

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 08:39:38

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	7.5	7.214	6.208	5.725	5.418	2.033
1962	13.25	12.94	11.43	8.843	7.472	2.613
1963	12.2	11.75	10.77	9.199	8.141	2.891
1964	4.09	3.976	3.628	3.288	3.003	1.178
1965	6.267	6.025	5.528	4.576	3.926	1.438
1966	4.952	4.775	4.63	4.084	3.611	1.388
1967	6.413	6.175	5.564	5.092	4.835	1.827
1968	3.576	3.45	3.19	2.912	2.588	1.042
1969	33.4	32.27	29.18	23.65	20.47	7.053
1970	18.48	17.77	15.28	12.33	10.87	3.832
1971	4.152	4.013	3.901	3.655	3.287	1.268
1972	5.442	5.247	5.066	4.491	4.028	1.519
1973	6.259	6.043	5.326	4.324	3.922	1.498
1974	7.706	7.404	6.438	5.174	4.661	1.735
1975	3.214	3.091	2.673	2.274	2.235	1.068
1976	13.99	13.45	11.57	9.218	7.953	2.748
1977	4.913	4.805	4.604	4.221	3.816	1.618
1978	9.438	9.261	8.286	7.27	6.432	2.287
1979	5.93	5.817	5.149	4.347	3.947	1.427
1980	9.559	9.191	7.923	7.273	6.582	2.371
1981	9.248	8.889	7.946	6.466	5.669	1.972

1982	9.437	9.071	7.816	6.188	5.716	2.194
1983	24.5	23.59	21.27	17.29	14.71	4.996
1984	4.323	4.201	4.022	3.758	3.515	1.302
1985	3.695	3.562	3.437	3.193	2.963	1.145
1986	10.46	10.09	8.94	7.222	6.251	2.152
1987	7.193	6.977	6.196	5.323	5.01	1.877
1988	3.568	3.468	3.249	2.99	2.704	1.131
1989	4.717	4.557	4.248	3.888	3.434	1.435
1990	12.06	11.81	10.24	8.34	7.405	2.613

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	33.4	32.27	29.18	23.65	20.47	7.053
0.0645161290322581		24.5	23.59	21.27	17.29	14.71 4.996
0.0967741935483871		18.48	17.77	15.28	12.33	10.87 3.832
0.129032258064516	13.99	13.45	11.57	9.218	8.141	2.891
0.161290322580645	13.25	12.94	11.43	9.199	7.953	2.748
0.193548387096774	12.2	11.81	10.77	8.843	7.472	2.613
0.225806451612903	12.06	11.75	10.24	8.34	7.405	2.613
0.258064516129032	10.46	10.09	8.94	7.273	6.582	2.371
0.290322580645161	9.559	9.261	8.286	7.27	6.432	2.287
0.32258064516129	9.438	9.191	7.946	7.222	6.251	2.194
0.354838709677419	9.437	9.071	7.923	6.466	5.716	2.152
0.387096774193548	9.248	8.889	7.816	6.188	5.669	2.033
0.419354838709677	7.706	7.404	6.438	5.725	5.418	1.972
0.451612903225806	7.5	7.214	6.208	5.323	5.01	1.877
0.483870967741936	7.193	6.977	6.196	5.174	4.835	1.827
0.516129032258065	6.413	6.175	5.564	5.092	4.661	1.735
0.548387096774194	6.267	6.043	5.528	4.576	4.028	1.618
0.580645161290323	6.259	6.025	5.326	4.491	3.947	1.519
0.612903225806452	5.93	5.817	5.149	4.347	3.926	1.498
0.645161290322581	5.442	5.247	5.066	4.324	3.922	1.438
0.67741935483871	4.952	4.805	4.63	4.221	3.816	1.435
0.709677419354839	4.913	4.775	4.604	4.084	3.611	1.427
0.741935483870968	4.717	4.557	4.248	3.888	3.515	1.388
0.774193548387097	4.323	4.201	4.022	3.758	3.434	1.302
0.806451612903226	4.152	4.013	3.901	3.655	3.287	1.268
0.838709677419355	4.09	3.976	3.628	3.288	3.003	1.178
0.870967741935484	3.695	3.562	3.437	3.193	2.963	1.145
0.903225806451613	3.576	3.468	3.249	2.99	2.704	1.131
0.935483870967742	3.568	3.45	3.19	2.912	2.588	1.068
0.967741935483871	3.214	3.091	2.673	2.274	2.235	1.042

0.1	18.031	17.338	14.909	12.0188	10.5971	3.7379
Average of yearly averages:						2.1217

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Wheat-PRE2

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10	atm-m ³ /mol	
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Vapor Pressure vapr 6.9E-8 torr
 Solubility sol 420 mg/L
 Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.80 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm/ or dd-mm or dd-mm/

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)

stored as Walnut2.out

Chemical: Diuron

PRZM environment: CAAlmond_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:35

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.801	6.5	6.342	5.313	4.429	2.523
1962	19.95	19.35	17.62	13.69	11.55	5.281
1963	27.72	26.62	23.06	17.76	15.24	6.661
1964	26.43	25.75	22.21	16.9	14.35	6.29
1965	5.704	5.468	5.359	4.681	4.025	1.803
1966	6.558	6.285	6.091	5.276	4.489	2.405
1967	33.89	32.58	29.87	23.1	19.65	8.196
1968	7.357	7.081	6.219	5.285	4.499	2.798
1969	15.53	15.11	14.24	11.95	10.26	4.811
1970	6.331	6.057	5.851	4.988	4.267	2.365
1971	6.531	6.249	6.097	5.244	4.423	1.938
1972	6.259	5.993	5.865	5.056	4.3	2.103
1973	12.35	11.87	10.36	9.28	8.357	4.259
1974	5.302	5.077	4.757	4.279	3.725	1.843
1975	6.357	6.083	5.862	5.032	4.274	2.142
1976	8.254	8.014	7.676	6.218	5.19	2.114
1977	7.893	7.554	7.419	6.211	5.257	2.207
1978	13.19	12.72	11.19	9.568	8.532	4.348
1979	6.763	6.476	6.299	5.397	4.588	2.573
1980	7.518	7.329	6.458	5.718	4.906	2.986

1981	12.7	12.22	10.67	8.324	7.231	3.817
1982	5.981	5.749	5.481	5.082	4.469	2.685
1983	7.301	7.043	6.368	5.531	4.726	2.992
1984	5.865	5.605	5.526	4.702	3.981	1.716
1985	6.525	6.258	6.095	5.183	4.391	2.251
1986	12.6	12.12	10.55	8.037	6.851	3.763
1987	6.519	6.244	6.091	5.264	4.496	2.531
1988	6.655	6.386	6.154	5.14	4.323	2.341
1989	6.458	6.182	6.046	5.134	4.34	1.961
1990	6.346	6.073	5.979	5.157	4.362	2.462

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	33.89	32.58	29.87	23.1	19.65 8.196
0.0645161290322581		27.72	26.62	23.06	17.76 15.24 6.661
0.0967741935483871		26.43	25.75	22.21	16.9 14.35 6.29
0.129032258064516	19.95	19.35	17.62	13.69	11.55 5.281
0.161290322580645	15.53	15.11	14.24	11.95	10.26 4.811
0.193548387096774	13.19	12.72	11.19	9.568	8.532 4.348
0.225806451612903	12.7	12.22	10.67	9.28	8.357 4.259
0.258064516129032	12.6	12.12	10.55	8.324	7.231 3.817
0.290322580645161	12.35	11.87	10.36	8.037	6.851 3.763
0.32258064516129	8.254	8.014	7.676	6.218	5.257 2.992
0.354838709677419	7.893	7.554	7.419	6.211	5.19 2.986
0.387096774193548	7.518	7.329	6.458	5.718	4.906 2.798
0.419354838709677	7.357	7.081	6.368	5.531	4.726 2.685
0.451612903225806	7.301	7.043	6.342	5.397	4.588 2.573
0.483870967741936	6.801	6.5	6.299	5.313	4.499 2.531
0.516129032258065	6.763	6.476	6.219	5.285	4.496 2.523
0.548387096774194	6.655	6.386	6.154	5.276	4.489 2.462
0.580645161290323	6.558	6.285	6.097	5.264	4.469 2.405
0.612903225806452	6.531	6.258	6.095	5.244	4.429 2.365
0.645161290322581	6.525	6.249	6.091	5.183	4.423 2.341
0.67741935483871	6.519	6.244	6.091	5.157	4.391 2.251
0.709677419354839	6.458	6.182	6.046	5.14	4.362 2.207
0.741935483870968	6.357	6.083	5.979	5.134	4.34 2.142
0.774193548387097	6.346	6.073	5.865	5.082	4.323 2.114
0.806451612903226	6.331	6.057	5.862	5.056	4.3 2.103
0.838709677419355	6.259	5.993	5.851	5.032	4.274 1.961
0.870967741935484	5.981	5.749	5.526	4.988	4.267 1.938
0.903225806451613	5.865	5.605	5.481	4.702	4.025 1.843
0.935483870967742	5.704	5.468	5.359	4.681	3.981 1.803
0.967741935483871	5.302	5.077	4.757	4.279	3.725 1.716
0.1	25.782	25.11	21.751	16.579	14.07 6.1891
Average of yearly averages:					3.2055

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Walnut2

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name Value Units Comments

Molecular weight mwt 233.1 g/mol

Henry's Law Const. henry 2.2E-10 atm-m³/mol
 Vapor Pressure vapr 6.9E-8 torr
 Solubility sol 420 mg/L
 Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.37 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 16-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 150 days Set to 0 or delete line for single app.
 app. rate 1 apprate 3.37 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)

stored as Wheat-POST2.out

Chemical: Diuron

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 08:39:38

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	11.69	11.4	10.76	9.146	7.759	2.409
1962	11.79	11.43	11.05	9.369	7.933	2.513
1963	10.39	9.993	9.69	8.924	7.668	2.474
1964	9.532	9.177	8.875	7.657	6.535	2.095
1965	8.249	8.021	7.625	6.481	5.695	1.881
1966	11.67	11.2	10.94	9.187	7.787	2.45
1967	12.5	12.06	10.88	8.976	7.844	2.496
1968	11.62	11.18	10.89	9.38	7.986	2.496
1969	12.85	12.37	11.92	10.35	8.804	2.783
1970	12.08	11.63	11.3	9.725	8.252	2.595
1971	12.25	11.77	11.24	9.682	8.276	2.639
1972	11.14	10.86	10.52	8.887	7.518	2.369
1973	10.96	10.52	10.2	8.575	7.241	2.295
1974	9.587	9.308	9.049	7.639	6.477	2.065
1975	9.461	9.092	8.943	7.834	6.768	2.229
1976	9.17	8.814	8.592	7.184	6.246	2.08
1977	11.68	11.21	10.78	8.935	7.497	2.336
1978	13.13	12.61	12.04	10.52	8.929	2.765

1979	11.18	10.75	10.54	8.866	7.422	2.305
1980	10.71	10.29	9.821	8.313	7.077	2.235
1981	10.25	9.897	9.645	8.183	6.878	2.11
1982	11.09	10.68	10.39	8.937	7.89	2.545
1983	11.85	11.38	10.23	8.774	7.594	2.446
1984	11.27	10.84	10.35	8.692	7.324	2.246
1985	11.82	11.52	11.13	9.448	7.966	2.435
1986	10.56	10.13	9.652	8.059	6.741	2.086
1987	11.48	11.09	10.76	8.998	7.565	2.367
1988	14.02	13.52	12.59	10.5	8.891	2.748
1989	11.16	10.71	10.41	8.789	7.41	2.315
1990	11.64	11.18	10.69	9.126	7.704	2.395

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	14.02	13.52	12.59	10.52	8.929	2.783	
0.0645161290322581		13.13	12.61	12.04	10.5	8.891	2.765
0.0967741935483871		12.85	12.37	11.92	10.35	8.804	2.748
0.129032258064516	12.5	12.06	11.3	9.725	8.276	2.639	
0.161290322580645	12.25	11.77	11.24	9.682	8.252	2.595	
0.193548387096774	12.08	11.63	11.13	9.448	7.986	2.545	
0.225806451612903	11.85	11.52	11.05	9.38	7.966	2.513	
0.258064516129032	11.82	11.43	10.94	9.369	7.933	2.496	
0.290322580645161	11.79	11.4	10.89	9.187	7.89	2.496	
0.32258064516129	11.69	11.38	10.88	9.146	7.844	2.474	
0.354838709677419	11.68	11.21	10.78	9.126	7.787	2.45	
0.387096774193548	11.67	11.2	10.76	8.998	7.759	2.446	
0.419354838709677	11.64	11.18	10.76	8.976	7.704	2.435	
0.451612903225806	11.62	11.18	10.69	8.937	7.668	2.409	
0.483870967741936	11.48	11.09	10.54	8.935	7.594	2.395	
0.516129032258065	11.27	10.86	10.52	8.924	7.565	2.369	
0.548387096774194	11.18	10.84	10.41	8.887	7.518	2.367	
0.580645161290323	11.16	10.75	10.39	8.866	7.497	2.336	
0.612903225806452	11.14	10.71	10.35	8.789	7.422	2.315	
0.645161290322581	11.09	10.68	10.23	8.774	7.41	2.305	
0.67741935483871	10.96	10.52	10.2	8.692	7.324	2.295	
0.709677419354839	10.71	10.29	9.821	8.575	7.241	2.246	
0.741935483870968	10.56	10.13	9.69	8.313	7.077	2.235	
0.774193548387097	10.39	9.993	9.652	8.183	6.878	2.229	
0.806451612903226	10.25	9.897	9.645	8.059	6.768	2.11	
0.838709677419355	9.587	9.308	9.049	7.834	6.741	2.095	
0.870967741935484	9.532	9.177	8.943	7.657	6.535	2.086	
0.903225806451613	9.461	9.092	8.875	7.639	6.477	2.08	
0.935483870967742	9.17	8.814	8.592	7.184	6.246	2.065	
0.967741935483871	8.249	8.021	7.625	6.481	5.695	1.881	

0.1	12.815	12.339	11.858	10.2875	8.7512	2.7371
Average of yearly averages:						2.37343333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Wheat-POST2

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vaprr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days		Half-life
Hydrolysis: pH 7	500	days		Half-life
Hydrolysis: pH 9	500	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	1.80	kg/ha	
Application Efficiency:	APPEFF	0.99		fraction
Spray Drift	DRFT	0.01		fraction of application rate applied to pond
Application Date	Date	31-3	dd/mm or dd/mm or dd-mm or dd-mmm	
Record 17: FILTRA				
	IPSCND	1		
	UPTKF			
Record 18: PLVKRT				
	PLDKRT			
	FEXTRC	0.5		
Flag for Index Res. Run	IR		EPA Pond	
Flag for runoff calc.	RUNOFF	none	none, monthly or total(average of entire run)	

stored as UncultNonag2.out

Chemical: Diuron

PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	116	111	99.11	79.07	68.05	25.56
1962	322	314	283	222	187	72.7
1963	348	334	298	236	211	79.26
1964	140	135	119	91.19	77.28	30.17
1965	54.94	53.03	47.69	40.45	35.26	16.16
1966	53.54	51.61	44.74	34.38	29.01	15.49
1967	290	281	258	208	183	68.03
1968	95.76	92.19	79.68	67.05	58.46	22.6
1969	176	170	155	136	121	44.64
1970	82.69	79.7	73.73	60.99	52.96	21.52
1971	24.84	24.13	21.56	19.94	18.84	8.026
1972	49.17	47.33	40.89	31.14	26.42	12.98
1973	140	136	120	107	102	39.9
1974	33.38	32.26	28.96	23.9	23.09	10.47
1975	71.23	68.58	60.11	55.62	50.37	19.15
1976	21.22	20.45	17.74	13.48	12.94	5.904
1977	39.03	37.49	32.5	27.68	25.3	13.21

1978	188	182	164	146	133	51.66
1979	101	97.95	87.72	77.07	73.2	29.32
1980	155	151	135	109	94.42	38.09
1981	180	173	151	119	107	40.43
1982	174	169	147	133	128	57.32
1983	130	125	111	101	90.08	33.68
1984	12.36	11.92	10.38	8.399	7.695	3.691
1985	57.34	55.13	47.41	37.84	32.35	14.56
1986	238	228	199	153	129	48.89
1987	75.99	73.39	64.35	58.3	51.5	20.04
1988	37.98	36.62	33.02	28.25	25.39	12.38
1989	48.56	46.9	43.44	36.15	30.63	15
1990	141	136	120	107	97.53	38.49

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	348	334	298	236	211	79.26
0.0645161290322581		322	314	283	222	187 72.7
0.0967741935483871		290	281	258	208	183 68.03
0.129032258064516	238	228	199	153	133	57.32
0.161290322580645	188	182	164	146	129	51.66
0.193548387096774	180	173	155	136	128	48.89
0.225806451612903	176	170	151	133	121	44.64
0.258064516129032	174	169	147	119	107	40.43
0.290322580645161	155	151	135	109	102	39.9
0.32258064516129	141	136	120	107	97.53	38.49
0.354838709677419	140	136	120	107	94.42	38.09
0.387096774193548	140	135	119	101	90.08	33.68
0.419354838709677	130	125	111	91.19	77.28	30.17
0.451612903225806	116	111	99.11	79.07	73.2	29.32
0.483870967741936	101	97.95	87.72	77.07	68.05	25.56
0.516129032258065	95.76	92.19	79.68	67.05	58.46	22.6
0.548387096774194	82.69	79.7	73.73	60.99	52.96	21.52
0.580645161290323	75.99	73.39	64.35	58.3	51.5	20.04
0.612903225806452	71.23	68.58	60.11	55.62	50.37	19.15
0.645161290322581	57.34	55.13	47.69	40.45	35.26	16.16
0.67741935483871	54.94	53.03	47.41	37.84	32.35	15.49
0.709677419354839	53.54	51.61	44.74	36.15	30.63	15
0.741935483870968	49.17	47.33	43.44	34.38	29.01	14.56
0.774193548387097	48.56	46.9	40.89	31.14	26.42	13.21
0.806451612903226	39.03	37.49	33.02	28.25	25.39	12.98
0.838709677419355	37.98	36.62	32.5	27.68	25.3	12.38
0.870967741935484	33.38	32.26	28.96	23.9	23.09	10.47
0.903225806451613	24.84	24.13	21.56	19.94	18.84	8.026
0.935483870967742	21.22	20.45	17.74	13.48	12.94	5.904
0.967741935483871	12.36	11.92	10.38	8.399	7.695	3.691

0.1 284.8 275.7 252.1 202.5 178 66.959

Average of yearly averages: 30.3107

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: UncultNonag2

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m ³ /mol	
Vapor Pressure	vaprr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	13.47	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	1-1	dd/mm or dd/mm/ or dd-mm or dd-mm/	
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	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)

stored as uncultAg-GR2.out

Chemical: Diuron

PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	858	830	715	368	252	96.51
1962	2860	2740	2320	1740	1410	666
1963	1700	1650	1500	1240	1150	540
1964	763	744	656	515	442	230
1965	649	629	579	468	407	187
1966	881	852	768	599	406	173
1967	1120	1080	1030	841	752	323
1968	395	381	334	291	263	133
1969	597	580	544	486	431	197
1970	1130	1100	960	573	449	264
1971	681	663	596	492	437	180
1972	482	464	403	316	245	131
1973	530	515	479	441	414	220
1974	309	302	289	248	230	120

1975	341	330	295	282	260	124
1976	129	124	111	87.21	77.01	41.52
1977	827	797	627	360	253	132
1978	1060	1030	952	835	752	318
1979	599	585	519	470	435	217
1980	588	577	526	483	452	200
1981	1130	1090	959	730	519	321
1982	1060	1030	916	776	713	411
1983	568	555	528	498	481	281
1984	503	488	433	352	307	131
1985	677	650	604	352	241	110
1986	887	856	756	607	545	236
1987	430	415	363	318	280	145
1988	256	249	227	197	182	105
1989	492	470	396	335	322	171
1990	852	834	742	656	585	257

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2860	2740	2320	1740	1410	666
0.0645161290322581		1700	1650	1500	1240	1150
0.0967741935483871		1130	1100	1030	841	752
0.129032258064516	1130	1090	960	835	752	323
0.161290322580645	1120	1080	959	776	713	321
0.193548387096774	1060	1030	952	730	585	318
0.225806451612903	1060	1030	916	656	545	281
0.258064516129032	887	856	768	607	519	264
0.290322580645161	881	852	756	599	481	257
0.32258064516129	858	834	742	573	452	236
0.354838709677419	852	830	715	515	449	230
0.387096774193548	827	797	656	498	442	220
0.419354838709677	763	744	627	492	437	217
0.451612903225806	681	663	604	486	435	200
0.483870967741936	677	650	596	483	431	197
0.516129032258065	649	629	579	470	414	187
0.548387096774194	599	585	544	468	407	180
0.580645161290323	597	580	528	441	406	173
0.612903225806452	588	577	526	368	322	171
0.645161290322581	568	555	519	360	307	145
0.67741935483871	530	515	479	352	280	133
0.709677419354839	503	488	433	352	263	132
0.741935483870968	492	470	403	335	260	131
0.774193548387097	482	464	396	318	253	131
0.806451612903226	430	415	363	316	252	124
0.838709677419355	395	381	334	291	245	120
0.870967741935484	341	330	295	282	241	110
0.903225806451613	309	302	289	248	230	105
0.935483870967742	256	249	227	197	182	96.51
0.967741935483871	129	124	111	87.21	77.01	41.52

0.1 1130 1099 1023 840.4 752 402.2

Average of yearly averages: 222.034333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: uncultAg-GR2

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr	6.9E-8	torr	
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Solubility	sol	420	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	920	mg/L	
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Photolysis half-life	kdp	43	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
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Aerobic Soil Metabolism	asm	372	days	Halfife
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Hydrolysis: pH 5	500	days	Half-life	
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Hydrolysis: pH 7	500	days	Half-life	
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Hydrolysis: pH 9	500	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	13.47	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	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	13.47	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	13.47	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	13.47	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	13.47	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	13.47	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	13.47	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	13.47	kg/ha	
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Interval 8	interval	21	days	Set to 0 or delete line for single app.
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app. rate 8	apprate	13.47	kg/ha	
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Interval 9	interval	21	days	Set to 0 or delete line for single app.
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app. rate 9	apprate	13.47	kg/ha	
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Interval 10	interval	21	days	Set to 0 or delete line for single app.
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app. rate 10	apprate	13.47	kg/ha	
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Interval 11	interval	21	days	Set to 0 or delete line for single app.
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app. rate 11	apprate	13.47	kg/ha	
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Interval 12	interval	21	days	Set to 0 or delete line for single app.
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app. rate 12	apprate	13.47	kg/ha	
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Interval 13	interval	21	days	Set to 0 or delete line for single app.
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app. rate 13	apprate	13.47	kg/ha	
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Interval 14	interval	21	days	Set to 0 or delete line for single app.
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app. rate 14	apprate	13.47	kg/ha	
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Interval 15	interval	21	days	Set to 0 or delete line for single app.
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app. rate 15	apprate	13.47	kg/ha	
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Interval 16	interval	21	days	Set to 0 or delete line for single app.
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app. rate 16	apprate	13.47	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)

stored as Spearmint2.out

Chemical: Diuron

PRZM environment: ORmintSTD.txt modified Tuesday, 26 August 2008 at 05:16:42

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w24232.dvf modified Tuesday, 26 August 2008 at 05:15:54

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	42.82	41.49	35.88	32.99	30.58	18.53
1962	63.67	61.61	56.22	46.46	43.72	28.45
1963	93.32	90.35	81.81	68.95	60.78	43.13
1964	67.26	65.88	56.48	49.21	46.2	27.62
1965	82.9	81.19	73.59	62.78	58.18	34.63
1966	84.41	82.66	75.14	60.9	61.53	38.41
1967	78.95	77.35	69.96	59.91	56	33.77
1968	82.46	80.81	73.59	63.72	60.23	44.02
1969	91.41	88.82	84.1	72.71	67.6	44.49
1970	98.35	95.74	86.48	82.34	78.27	43.24
1971	61.57	59.73	51.82	46.94	45.55	38.34
1972	72.73	70.44	57.91	51.89	49	30.66
1973	76.27	74.01	67.42	56.93	49.54	31.65
1974	94	91.65	81.77	70.33	68.01	43.79
1975	70.19	68.4	62.1	59.35	56.79	34.29
1976	54.44	53	49.65	43.73	42.99	22.97
1977	68.08	66.05	59.84	42.74	32.79	15.17
1978	63.39	61.62	56.42	49.89	44.89	27.29
1979	78.96	76.67	69.57	63.39	55.98	35.04
1980	107	104	89.78	58.16	50.51	33.96
1981	98.91	96.82	89.84	78.44	72.99	47.69
1982	82.45	81.09	74.91	74.49	70.82	38.39
1983	65.74	64.96	61.63	58.49	54.77	36.55
1984	67.59	65.38	61.6	55.77	43.84	31.14
1985	47.99	46.78	43.1	40.09	38.93	29.39
1986	51.5	50.26	47.07	39.88	37.35	23.68
1987	145	140	129	69.56	50.04	32.26
1988	104	101	97.95	84.64	75.95	39.18
1989	118	114	99.4	65.27	48.87	31.13
1990	97.24	95.88	87.59	83.35	76.81	42.67

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	145	140	129	84.64	78.27	47.69
0.0645161290322581		118	114	99.4	83.35	76.81
0.0967741935483871		107	104	97.95	82.34	75.95
0.129032258064516	104	101	89.84	78.44	72.99	43.79
0.161290322580645	98.91	96.82	89.78	74.49	70.82	43.24
0.193548387096774	98.35	95.88	87.59	72.71	68.01	43.13

0.225806451612903	97.24	95.74	86.48	70.33	67.6	42.67
0.258064516129032	94	91.65	84.1	69.56	61.53	39.18
0.290322580645161	93.32	90.35	81.81	68.95	60.78	38.41
0.32258064516129	91.41	88.82	81.77	65.27	60.23	38.39
0.354838709677419	84.41	82.66	75.14	63.72	58.18	38.34
0.387096774193548	82.9	81.19	74.91	63.39	56.79	36.55
0.419354838709677	82.46	81.09	73.59	62.78	56	35.04
0.451612903225806	82.45	80.81	73.59	60.9	55.98	34.63
0.483870967741936	78.96	77.35	69.96	59.91	54.77	34.29
0.516129032258065	78.95	76.67	69.57	59.35	50.51	33.96
0.548387096774194	76.27	74.01	67.42	58.49	50.04	33.77
0.580645161290323	72.73	70.44	62.1	58.16	49.54	32.26
0.612903225806452	70.19	68.4	61.63	56.93	49	31.65
0.645161290322581	68.08	66.05	61.6	55.77	48.87	31.14
0.67741935483871	67.59	65.88	59.84	51.89	46.2	31.13
0.709677419354839	67.26	65.38	57.91	49.89	45.55	30.66
0.741935483870968	65.74	64.96	56.48	49.21	44.89	29.39
0.774193548387097	63.67	61.62	56.42	46.94	43.84	28.45
0.806451612903226	63.39	61.61	56.22	46.46	43.72	27.62
0.838709677419355	61.57	59.73	51.82	43.73	42.99	27.29
0.870967741935484	54.44	53	49.65	42.74	38.93	23.68
0.903225806451613	51.5	50.26	47.07	40.09	37.35	22.97
0.935483870967742	47.99	46.78	43.1	39.88	32.79	18.53
0.967741935483871	42.82	41.49	35.88	32.99	30.58	15.17

0.1 106.7 103.7 97.139 81.95 75.654 43.997
Average of yearly averages: 34.051

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Spearmint2

Metfile: w24232.dvf

PRZM scenario: ORmintSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol		
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol	
Vapor Pressure	vapr	6.9E-8		torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life
Hydrolysis: pH 7	500	days			Half-life
Hydrolysis: pH 9	500	days			Half-life
Method:	CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI			cm	
Application Rate:	TAPP	2.69	kg/ha		
Application Efficiency:	APPEFF			0.99	fraction
Spray Drift	DRFT	0.01	fraction of		application rate applied to pond
Application Date	Date	1-1	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days		Set to 0 or delete line for single app.

app. rate 1	apprate	2.69	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	2.69	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	2.69	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	2.69	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	2.69	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	2.69	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	2.69	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	2.69	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	2.69	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	2.69	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	2.69	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	2.69	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	2.69	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	2.69	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	2.69	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	2.69	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)

stored as uncultAg-AR2.out

Chemical: Diuron

PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	903	878	764	425	312	155
1962	2810	2690	2290	1740	1430	718
1963	1720	1670	1530	1270	1190	597
1964	821	799	713	580	511	299
1965	706	684	632	530	474	259
1966	932	903	814	647	462	244

1967	1160	1130	1070	892	808	388
1968	463	448	404	363	335	205
1969	664	646	606	553	501	267
1970	1150	1120	998	621	513	330
1971	741	721	649	554	503	251
1972	546	527	462	377	309	204
1973	582	567	541	508	483	289
1974	381	375	354	320	305	194
1975	426	414	373	360	338	196
1976	218	211	193	168	159	116
1977	863	833	672	419	316	205
1978	1080	1060	991	882	804	382
1979	649	635	580	536	503	287
1980	651	639	589	546	517	271
1981	1170	1130	994	772	573	386
1982	1100	1070	955	825	767	474
1983	639	624	593	564	549	349
1984	568	551	490	416	375	200
1985	723	694	657	411	305	183
1986	940	908	810	668	606	303
1987	514	497	436	392	355	216
1988	328	319	297	269	256	176
1989	545	522	449	391	381	242
1990	893	876	793	714	647	323

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2810	2690	2290	1740	1430	718
0.0645161290322581		1720	1670	1530	1270	1190
0.0967741935483871		1170	1130	1070	892	808
0.129032258064516	1160	1130	998	882	804	388
0.161290322580645	1150	1120	994	825	767	386
0.193548387096774	1100	1070	991	772	647	382
0.225806451612903	1080	1060	955	714	606	349
0.258064516129032	940	908	814	668	573	330
0.290322580645161	932	903	810	647	549	323
0.32258064516129	903	878	793	621	517	303
0.354838709677419	893	876	764	580	513	299
0.387096774193548	863	833	713	564	511	289
0.419354838709677	821	799	672	554	503	287
0.451612903225806	741	721	657	553	503	271
0.483870967741936	723	694	649	546	501	267
0.516129032258065	706	684	632	536	483	259
0.548387096774194	664	646	606	530	474	251
0.580645161290323	651	639	593	508	462	244
0.612903225806452	649	635	589	425	381	242
0.645161290322581	639	624	580	419	375	216
0.67741935483871	582	567	541	416	355	205
0.709677419354839	568	551	490	411	338	205
0.741935483870968	546	527	462	392	335	204
0.774193548387097	545	522	449	391	316	200
0.806451612903226	514	497	436	377	312	196
0.838709677419355	463	448	404	363	309	194
0.870967741935484	426	414	373	360	305	183
0.903225806451613	381	375	354	320	305	176
0.935483870967742	328	319	297	269	256	155
0.967741935483871	218	211	193	168	159	116

0.1 1169 1130 1062.8 891 807.6 465.4
Average of yearly averages: 290.3

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: uncultAg-AR2

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.	henry		2.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life
Hydrolysis: pH 7	500	days			Half-life
Hydrolysis: pH 9	500	days			Half-life
Method:	CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI		cm		
Application Rate: TAPP		13.47	kg/ha		
Application Efficiency:	APPEFF	0.95			fraction
Spray Drift	DRFT	0.05			fraction of application rate applied to pond
Application Date	Date	1-1	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days		Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	kg/ha		
Interval 2	interval	21	days		Set to 0 or delete line for single app.
app. rate 2	apprate	13.47	kg/ha		
Interval 3	interval	21	days		Set to 0 or delete line for single app.
app. rate 3	apprate	13.47	kg/ha		
Interval 4	interval	21	days		Set to 0 or delete line for single app.
app. rate 4	apprate	13.47	kg/ha		
Interval 5	interval	21	days		Set to 0 or delete line for single app.
app. rate 5	apprate	13.47	kg/ha		
Interval 6	interval	21	days		Set to 0 or delete line for single app.
app. rate 6	apprate	13.47	kg/ha		
Interval 7	interval	21	days		Set to 0 or delete line for single app.
app. rate 7	apprate	13.47	kg/ha		
Interval 8	interval	21	days		Set to 0 or delete line for single app.
app. rate 8	apprate	13.47	kg/ha		
Interval 9	interval	21	days		Set to 0 or delete line for single app.
app. rate 9	apprate	13.47	kg/ha		
Interval 10	interval	21	days		Set to 0 or delete line for single app.
app. rate 10	apprate	13.47	kg/ha		
Interval 11	interval	21	days		Set to 0 or delete line for single app.
app. rate 11	apprate	13.47	kg/ha		
Interval 12	interval	21	days		Set to 0 or delete line for single app.
app. rate 12	apprate	13.47	kg/ha		
Interval 13	interval	21	days		Set to 0 or delete line for single app.

app. rate 13 apprate 13.47 kg/ha
 Interval 14 interval 21 days Set to 0 or delete line for single app.
 app. rate 14 apprate 13.47 kg/ha
 Interval 15 interval 21 days Set to 0 or delete line for single app.
 app. rate 15 apprate 13.47 kg/ha
 Interval 16 interval 21 days Set to 0 or delete line for single app.
 app. rate 16 apprate 13.47 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)

stored as SORGHUM2.out

Chemical: Diuron

PRZM environment: CAWheatRLF_V2.txt modified Wedday, 26 March 2008 at 08:39:38

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	5.109	4.916	4.757	4.118	3.539	1.148
1962	5.87	5.717	5.438	4.52	3.844	1.267
1963	4.674	4.507	4.436	3.864	3.387	1.155
1964	4.998	4.798	4.667	3.983	3.38	1.125
1965	5.085	4.878	4.687	3.839	3.208	1.081
1966	5.868	5.666	5.364	4.356	3.688	1.221
1967	4.355	4.239	4.096	3.592	3.119	1.059
1968	5.744	5.515	5.261	4.402	3.741	1.233
1969	5.839	5.637	5.529	4.678	3.989	1.318
1970	5.561	5.412	5.217	4.373	3.759	1.244
1971	5.146	4.984	4.788	4.175	3.62	1.203
1972	5.848	5.627	5.386	4.379	3.677	1.2
1973	5.538	5.39	5.233	4.328	3.593	1.166
1974	5.445	5.287	5.064	4.161	3.456	1.121
1975	5.005	4.87	4.718	3.998	3.371	1.14
1976	5.264	5.107	4.923	4.113	3.428	1.147
1977	5.54	5.316	5	4.227	3.587	1.162
1978	5.208	5.076	4.885	4.182	3.689	1.212
1979	5.585	5.35	5.143	4.271	3.599	1.151
1980	5.63	5.417	5.143	4.367	3.686	1.194
1981	5.309	5.159	4.945	3.981	3.369	1.082
1982	5.751	5.518	5.315	4.45	3.731	1.249
1983	7.113	6.817	6.394	5.149	4.265	1.407
1984	5.626	5.451	5.232	4.282	3.59	1.137
1985	5.872	5.628	5.443	4.435	3.748	1.196
1986	5.331	5.175	5.042	4.158	3.448	1.089
1987	5.733	5.562	5.328	4.338	3.668	1.198
1988	4.777	4.59	4.468	3.986	3.53	1.162
1989	5.56	5.414	5.106	4.248	3.615	1.18
1990	5.828	5.666	5.429	4.497	3.789	1.22

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	7.113	6.817	6.394	5.149	4.265	1.407
0.0645161290322581		5.872	5.717	5.529	4.678	3.989
0.0967741935483871		5.87	5.666	5.443	4.52	3.844
0.129032258064516	5.868	5.666	5.438	4.497	3.789	1.249
0.161290322580645	5.848	5.637	5.429	4.45	3.759	1.244
0.193548387096774	5.839	5.628	5.386	4.435	3.748	1.233
0.225806451612903	5.828	5.627	5.364	4.402	3.741	1.221
0.258064516129032	5.751	5.562	5.328	4.379	3.731	1.22
0.290322580645161	5.744	5.518	5.315	4.373	3.689	1.212
0.32258064516129	5.733	5.515	5.261	4.367	3.688	1.203
0.354838709677419	5.63	5.451	5.233	4.356	3.686	1.2
0.387096774193548	5.626	5.417	5.232	4.338	3.677	1.198
0.419354838709677	5.585	5.414	5.217	4.328	3.668	1.196
0.451612903225806	5.561	5.412	5.143	4.282	3.62	1.194
0.483870967741936	5.56	5.39	5.143	4.271	3.615	1.18
0.516129032258065	5.54	5.35	5.106	4.248	3.599	1.166
0.548387096774194	5.538	5.316	5.064	4.227	3.593	1.162
0.580645161290323	5.445	5.287	5.042	4.182	3.59	1.162
0.612903225806452	5.331	5.175	5	4.175	3.587	1.155
0.645161290322581	5.309	5.159	4.945	4.161	3.539	1.151
0.67741935483871	5.264	5.107	4.923	4.158	3.53	1.148
0.709677419354839	5.208	5.076	4.885	4.118	3.456	1.147
0.741935483870968	5.146	4.984	4.788	4.113	3.448	1.14
0.774193548387097	5.109	4.916	4.757	3.998	3.428	1.137
0.806451612903226	5.085	4.878	4.718	3.986	3.387	1.125
0.838709677419355	5.005	4.87	4.687	3.983	3.38	1.121
0.870967741935484	4.998	4.798	4.667	3.981	3.371	1.089
0.903225806451613	4.777	4.59	4.468	3.864	3.369	1.082
0.935483870967742	4.674	4.507	4.436	3.839	3.208	1.081
0.967741935483871	4.355	4.239	4.096	3.592	3.119	1.059
0.1	5.8698	5.666	5.4425	4.5177	3.8385	1.2652
Average of yearly averages:						1.18223333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: SORGHUM2

Metfile: w93193.dvf

PRZM scenario: CAWheatRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.		henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life
Hydrolysis: pH 7	500	days			Half-life

Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 0.45 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 31-3 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 0.45 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)

stored as Peppermint2.out

Chemical: Diuron

PRZM environment: ORmintSTD.txt modified Tuesday, 26 August 2008 at 05:16:42

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w24232.dvf modified Tuesday, 26 August 2008 at 05:15:54

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.4	1.349	1.235	1.025	0.8658	0.3612
1962	2.829	2.722	2.346	1.81	1.564	0.8455
1963	7.568	7.266	6.244	4.708	3.917	1.747
1964	1.798	1.736	1.516	1.172	0.9873	0.7112
1965	2.516	2.433	2.113	1.665	1.437	0.8835
1966	2.661	2.595	2.338	1.881	1.323	0.8138
1967	2.006	1.942	1.713	1.339	1.144	0.9177
1968	2.072	2.011	1.721	1.525	1.402	0.9221
1969	3.86	3.703	3.221	2.78	2.521	1.236
1970	1.986	1.921	1.691	1.318	1.123	0.8917
1971	4.027	3.906	3.328	2.796	2.497	1.218
1972	3.119	3.004	2.6	1.966	1.807	1.093
1973	1.805	1.742	1.52	1.168	0.9811	0.701
1974	4.182	4.067	3.622	2.98	2.045	0.8691
1975	2.411	2.359	2.157	1.81	1.61	1.04
1976	1.595	1.537	1.332	1.019	0.8586	0.4176
1977	1.41	1.353	1.157	0.8919	0.748	0.4437
1978	3.271	3.147	2.728	2.043	1.79	0.8149
1979	2.635	2.553	2.362	1.928	1.805	0.8984
1980	1.843	1.779	1.569	1.217	1.051	0.7499
1981	2.916	2.835	2.47	2.095	1.916	1.144
1982	1.874	1.811	1.588	1.23	1.032	0.7189
1983	1.656	1.595	1.381	1.08	0.9136	0.6304
1984	2.365	2.277	1.967	1.656	1.543	0.7826
1985	4.296	4.175	3.573	2.611	2.128	1.128
1986	1.762	1.7	1.544	1.275	1.086	0.6782
1987	3.528	3.444	3.204	1.913	1.509	1.08
1988	2.49	2.427	2.209	1.838	1.625	0.9727
1989	3.093	2.99	2.63	2.036	1.558	0.7229

1990 2.32 2.245 2.048 1.724 1.474 1.101

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	7.568	7.266	6.244	4.708	3.917	1.747
0.0645161290322581		4.296	4.175	3.622	2.98	2.521 1.236
0.0967741935483871		4.182	4.067	3.573	2.796	2.497 1.218
0.129032258064516	4.027	3.906	3.328	2.78	2.128	1.144
0.161290322580645	3.86	3.703	3.221	2.611	2.045	1.128
0.193548387096774	3.528	3.444	3.204	2.095	1.916	1.101
0.225806451612903	3.271	3.147	2.728	2.043	1.807	1.093
0.258064516129032	3.119	3.004	2.63	2.036	1.805	1.08
0.290322580645161	3.093	2.99	2.6	1.966	1.79	1.04
0.32258064516129	2.916	2.835	2.47	1.928	1.625	0.9727
0.354838709677419	2.829	2.722	2.362	1.913	1.61	0.9221
0.387096774193548	2.661	2.595	2.346	1.881	1.564	0.9177
0.419354838709677	2.635	2.553	2.338	1.838	1.558	0.8984
0.451612903225806	2.516	2.433	2.209	1.81	1.543	0.8917
0.483870967741936	2.49	2.427	2.157	1.81	1.509	0.8835
0.516129032258065	2.411	2.359	2.113	1.724	1.474	0.8691
0.548387096774194	2.365	2.277	2.048	1.665	1.437	0.8455
0.580645161290323	2.32	2.245	1.967	1.656	1.402	0.8149
0.612903225806452	2.072	2.011	1.721	1.525	1.323	0.8138
0.645161290322581	2.006	1.942	1.713	1.339	1.144	0.7826
0.67741935483871	1.986	1.921	1.691	1.318	1.123	0.7499
0.709677419354839	1.874	1.811	1.588	1.275	1.086	0.7229
0.741935483870968	1.843	1.779	1.569	1.23	1.051	0.7189
0.774193548387097	1.805	1.742	1.544	1.217	1.032	0.7112
0.806451612903226	1.798	1.736	1.52	1.172	0.9873	0.701
0.838709677419355	1.762	1.7	1.516	1.168	0.9811	0.6782
0.870967741935484	1.656	1.595	1.381	1.08	0.9136	0.6304
0.903225806451613	1.595	1.537	1.332	1.025	0.8658	0.4437
0.935483870967742	1.41	1.353	1.235	1.019	0.8586	0.4176
0.967741935483871	1.4	1.349	1.157	0.8919	0.748	0.3612

0.1 4.1665 4.0509 3.5485 2.7944 2.4601 1.2106
Average of yearly averages: 0.884466666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Peppermint2

Metfile: w24232.dvf

PRZM scenario: ORmintSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		233.1	g/mol	
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Henry's Law Const.	henry		2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr		6.9E-8	torr	
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
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Aerobic Soil Metabolism	asm	372	days		Halfife
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Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.69 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 15-4 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)

stored as Pecan2.out

Chemical: Diuron

PRZM environment: CAalmond_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:35

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	6.4	6.236	5.586	4.414	3.798	1.369
1962	20.93	20.3	18.46	14.32	12.07	4.176
1963	29.12	27.95	24.2	18.61	15.96	5.642
1964	27.72	27	23.26	17.66	14.98	5.241
1965	1.959	1.884	1.624	1.246	1.139	0.5036
1966	4.812	4.627	3.984	3.094	2.735	1.052
1967	35.67	34.29	31.42	24.27	20.64	7.241
1968	7.483	7.196	6.165	4.83	4.182	1.536
1969	16.12	15.67	14.75	12.37	10.61	3.714
1970	5.137	4.937	4.275	3.396	2.952	1.059
1971	1.824	1.751	1.502	1.165	1.151	0.554
1972	2.779	2.676	2.315	1.911	1.793	0.7653
1973	12.68	12.18	10.6	9.512	8.574	3.065
1974	2.45	2.354	2.021	1.702	1.578	0.6382
1975	3.441	3.352	2.933	2.479	2.182	0.8493
1976	1.819	1.746	1.495	1.163	1.148	0.5071
1977	1.812	1.741	1.492	1.153	1.126	0.5076
1978	13.61	13.11	11.51	9.772	8.723	3.139
1979	5.376	5.215	4.592	3.768	3.264	1.235
1980	7.682	7.486	6.514	5.109	4.332	1.619
1981	13.08	12.58	10.95	8.501	7.381	2.624
1982	4.847	4.663	4.357	3.953	3.583	1.42
1983	7.325	7.058	6.224	5.359	4.682	1.696
1984	1.842	1.768	1.514	1.163	1.061	0.4658
1985	4.079	3.923	3.379	2.639	2.339	0.9353
1986	13.09	12.58	10.94	8.312	7.035	2.558
1987	4.576	4.421	3.868	3.547	3.184	1.206
1988	5.148	4.943	4.232	3.261	2.878	1.055

1989 1.923 1.856 1.691 1.41 1.372 0.5786
 1990 5.69 5.472 4.713 3.703 3.207 1.205

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	35.67	34.29	31.42	24.27	20.64	7.241
0.0645161290322581		29.12	27.95	24.2	18.61	15.96
0.0967741935483871		27.72	27	23.26	17.66	14.98
0.129032258064516	20.93	20.3	18.46	14.32	12.07	4.176
0.161290322580645	16.12	15.67	14.75	12.37	10.61	3.714
0.193548387096774	13.61	13.11	11.51	9.772	8.723	3.139
0.225806451612903	13.09	12.58	10.95	9.512	8.574	3.065
0.258064516129032	13.08	12.58	10.94	8.501	7.381	2.624
0.290322580645161	12.68	12.18	10.6	8.312	7.035	2.558
0.32258064516129	7.682	7.486	6.514	5.359	4.682	1.696
0.354838709677419	7.483	7.196	6.224	5.109	4.332	1.619
0.387096774193548	7.325	7.058	6.165	4.83	4.182	1.536
0.419354838709677	6.4	6.236	5.586	4.414	3.798	1.42
0.451612903225806	5.69	5.472	4.713	3.953	3.583	1.369
0.483870967741936	5.376	5.215	4.592	3.768	3.264	1.235
0.516129032258065	5.148	4.943	4.357	3.703	3.207	1.206
0.548387096774194	5.137	4.937	4.275	3.547	3.184	1.205
0.580645161290323	4.847	4.663	4.232	3.396	2.952	1.059
0.612903225806452	4.812	4.627	3.984	3.261	2.878	1.055
0.645161290322581	4.576	4.421	3.868	3.094	2.735	1.052
0.67741935483871	4.079	3.923	3.379	2.639	2.339	0.9353
0.709677419354839	3.441	3.352	2.933	2.479	2.182	0.8493
0.741935483870968	2.779	2.676	2.315	1.911	1.793	0.7653
0.774193548387097	2.45	2.354	2.021	1.702	1.578	0.6382
0.806451612903226	1.959	1.884	1.691	1.41	1.372	0.5786
0.838709677419355	1.923	1.856	1.624	1.246	1.151	0.554
0.870967741935484	1.842	1.768	1.514	1.165	1.148	0.5076
0.903225806451613	1.824	1.751	1.502	1.163	1.139	0.5071
0.935483870967742	1.819	1.746	1.495	1.163	1.126	0.5036
0.967741935483871	1.812	1.741	1.492	1.153	1.061	0.4658
0.1	27.041	26.33	22.78	17.326	14.689	5.1345
Average of yearly averages:						1.93856

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Pecan2

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol		
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Henry's Law Const.	henry	2.2E-10		atm-m^3/mol	
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Vapor Pressure	vapr	6.9E-8	torr		
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife	
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Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.59 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 16-1 dd/mm or dd/mmm 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)

stored as Peach2.out

Chemical: Diuron

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.152	3.994	3.433	2.605	2.228	0.7602
1962	9.93	9.586	8.37	6.368	5.319	1.803
1963	8.155	7.84	6.98	5.69	4.956	1.757
1964	1.73	1.662	1.428	1.088	0.9211	0.3132
1965	5.228	5.02	4.298	3.22	2.654	0.9883
1966	1.719	1.651	1.418	1.079	0.9071	0.2975
1967	2.642	2.541	2.344	1.9	1.76	0.6885
1968	1.698	1.63	1.397	1.094	0.9349	0.3157
1969	21.17	20.36	17.52	14.14	12.22	4.17
1970	11.04	10.59	9.054	7.371	6.553	2.268
1971	1.727	1.659	1.423	1.082	0.9135	0.3608
1972	1.692	1.625	1.402	1.119	0.9421	0.3087
1973	4.809	4.623	3.974	3.046	2.561	0.9131
1974	1.702	1.634	1.398	1.07	0.9103	0.3049
1975	1.687	1.62	1.389	1.052	0.8884	0.3012
1976	10.16	9.761	8.382	6.408	5.431	1.862
1977	1.735	1.667	1.432	1.083	0.9118	0.3023
1978	8.937	8.765	7.763	6.293	5.697	1.992
1979	1.72	1.652	1.415	1.233	1.088	0.3702
1980	10.18	9.803	8.594	6.768	6.181	2.251
1981	5.282	5.077	4.357	3.312	2.803	0.9527
1982	1.897	1.834	1.654	1.435	1.281	0.5485
1983	16.38	15.76	14.13	11.42	9.703	3.252
1984	1.736	1.667	1.428	1.218	1.041	0.3435
1985	1.686	1.619	1.387	1.137	0.9677	0.3164
1986	8.123	7.802	6.736	5.298	4.541	1.553
1987	1.735	1.675	1.469	1.369	1.261	0.4404

1988	1.69	1.639	1.407	1.112	0.9664	0.3401
1989	2.403	2.318	2.002	1.752	1.517	0.6177
1990	1.698	1.63	1.411	1.132	0.9581	0.3212

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	21.17	20.36	17.52	14.14	12.22	4.17
0.0645161290322581		16.38	15.76	14.13	11.42	9.703
0.0967741935483871		11.04	10.59	9.054	7.371	6.553
0.129032258064516	10.18	9.803	8.594	6.768	6.181	2.251
0.161290322580645	10.16	9.761	8.382	6.408	5.697	1.992
0.193548387096774	9.93	9.586	8.37	6.368	5.431	1.862
0.225806451612903	8.937	8.765	7.763	6.293	5.319	1.803
0.258064516129032	8.155	7.84	6.98	5.69	4.956	1.757
0.290322580645161	8.123	7.802	6.736	5.298	4.541	1.553
0.32258064516129	5.282	5.077	4.357	3.312	2.803	0.9883
0.354838709677419	5.228	5.02	4.298	3.22	2.654	0.9527
0.387096774193548	4.809	4.623	3.974	3.046	2.561	0.9131
0.419354838709677	4.152	3.994	3.433	2.605	2.228	0.7602
0.451612903225806	2.642	2.541	2.344	1.9	1.76	0.6885
0.483870967741936	2.403	2.318	2.002	1.752	1.517	0.6177
0.516129032258065	1.897	1.834	1.654	1.435	1.281	0.5485
0.548387096774194	1.736	1.675	1.469	1.369	1.261	0.4404
0.580645161290323	1.735	1.667	1.432	1.233	1.088	0.3702
0.612903225806452	1.735	1.667	1.428	1.218	1.041	0.3608
0.645161290322581	1.73	1.662	1.428	1.137	0.9677	0.3435
0.67741935483871	1.727	1.659	1.423	1.132	0.9664	0.3401
0.709677419354839	1.72	1.652	1.418	1.119	0.9581	0.3212
0.741935483870968	1.719	1.651	1.415	1.112	0.9421	0.3164
0.774193548387097	1.702	1.639	1.411	1.094	0.9349	0.3157
0.806451612903226	1.698	1.634	1.407	1.088	0.9211	0.3132
0.838709677419355	1.698	1.63	1.402	1.083	0.9135	0.3087
0.870967741935484	1.692	1.63	1.398	1.082	0.9118	0.3049
0.903225806451613	1.69	1.625	1.397	1.079	0.9103	0.3023
0.935483870967742	1.687	1.62	1.389	1.07	0.9071	0.3012
0.967741935483871	1.686	1.619	1.387	1.052	0.8884	0.2975
0.1	10.954	10.5113	9.008	7.3107	6.5158	2.2663
Average of yearly averages:						1.03377

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Peach2

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol		
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Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol	
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Vapor Pressure	vapr	6.9E-8	torr		
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife	
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Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.37 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 16-1 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)

stored as Olive2.out

Chemical: Diuron

PRZM environment: CA0liveRLF_V2.txt modified Wedday, 26 March 2008 at 08:37:04

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.217	2.135	1.845	1.41	1.194	0.5653
1962	6.993	6.805	5.971	4.579	3.838	1.455
1963	4.355	4.189	3.806	3.156	2.982	1.297
1964	1.002	0.9621		0.8212	0.6264	0.5344 0.3074
1965	4.128	3.961	3.403	2.65	2.198	0.9146
1966	1.006	0.9597		0.8168	0.6646	0.5747 0.3182
1967	2.634	2.568	2.264	1.878	1.774	0.9613
1968	1.212	1.161	0.9849		0.8446	0.7682 0.4727
1969	16.57	15.97	13.83	11.78	10.41	3.829
1970	7.188	6.909	5.941	4.895	4.411	1.709
1971	1.19	1.148	0.9786		0.685	0.6248 0.3862
1972	1.029	0.9854		0.833	0.7408	0.6714 0.357
1973	2.892	2.783	2.432	2.054	1.787	0.8073
1974	2.426	2.332	2.031	1.561	1.373	0.6325
1975	1.262	1.215	1.053	0.8504	0.7393	0.3856
1976	5.627	5.409	4.65	3.559	3.019	1.186
1977	1.316	1.266	1.094	0.843	0.7349	0.3798
1978	5.423	5.246	4.681	3.949	3.504	1.472
1979	2.041	1.966	1.726	1.481	1.325	0.593
1980	5.247	5.055	4.496	3.595	3.247	1.36
1981	3.334	3.208	2.824	2.252	1.991	0.8472
1982	3.545	3.407	2.931	2.24	2.142	1.054
1983	10.63	10.23	9.366	7.755	6.706	2.465
1984	1.02	0.9719		0.8253	0.6943	0.6216 0.3293
1985	1.02	0.9742		0.8142	0.6728	0.6069 0.327
1986	6.52	6.261	5.447	4.574	3.889	1.48
1987	2.474	2.407	2.074	1.697	1.675	0.7615

1988	1.207	1.151	0.9811		0.6787		0.6656		0.4226
1989	2.146	2.067	1.773	1.381	1.22	0.6358			
1990	4.326	4.159	3.58	2.871	2.44	0.9753			

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	16.57	15.97	13.83	11.78	10.41	3.829
0.0645161290322581		10.63	10.23	9.366	7.755	6.706
0.0967741935483871		7.188	6.909	5.971	4.895	4.411
0.129032258064516	6.993	6.805	5.941	4.579	3.889	1.48
0.161290322580645	6.52	6.261	5.447	4.574	3.838	1.472
0.193548387096774	5.627	5.409	4.681	3.949	3.504	1.455
0.225806451612903	5.423	5.246	4.65	3.595	3.247	1.36
0.258064516129032	5.247	5.055	4.496	3.559	3.019	1.297
0.290322580645161	4.355	4.189	3.806	3.156	2.982	1.186
0.32258064516129	4.326	4.159	3.58	2.871	2.44	1.054
0.354838709677419	4.128	3.961	3.403	2.65	2.198	0.9753
0.387096774193548	3.545	3.407	2.931	2.252	2.142	0.9613
0.419354838709677	3.334	3.208	2.824	2.24	1.991	0.9146
0.451612903225806	2.892	2.783	2.432	2.054	1.787	0.8472
0.483870967741936	2.634	2.568	2.264	1.878	1.774	0.8073
0.516129032258065	2.474	2.407	2.074	1.697	1.675	0.7615
0.548387096774194	2.426	2.332	2.031	1.561	1.373	0.6358
0.580645161290323	2.217	2.135	1.845	1.481	1.325	0.6325
0.612903225806452	2.146	2.067	1.773	1.41	1.22	0.593
0.645161290322581	2.041	1.966	1.726	1.381	1.194	0.5653
0.67741935483871	1.316	1.266	1.094	0.8504	0.7682	0.4727
0.709677419354839	1.262	1.215	1.053	0.8446	0.7393	0.4226
0.741935483870968	1.212	1.161	0.9849		0.843	0.7349
0.774193548387097	1.207	1.151	0.9811		0.7408	0.6714
0.806451612903226	1.19	1.148	0.9786		0.6943	0.6656
0.838709677419355	1.029	0.9854		0.833	0.685	0.6248
0.870967741935484	1.02	0.9742		0.8253		0.6787
0.903225806451613	1.02	0.9719		0.8212		0.6728
0.935483870967742	1.006	0.9621		0.8168		0.6646
0.967741935483871	1.002	0.9597		0.8142		0.6264
0.1	7.1685	6.8986	5.968	4.8634	4.3588	1.6861
Average of yearly averages:						0.95622

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Olive2

Metfile: w93193.dvf

PRZM scenario: CA0liveRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name Value Units Comments

Molecular weight mwt 233.1 g/mol

Henry's Law Const. henry 2.2E-10 atm-m³/mol

Vapor Pressure vapr 6.9E-8 torr

Solubility sol 420 mg/L

Kd Kd mg/L

Koc Koc 920 mg/L

Photolysis half-life kdp 43 days Half-life

Aerobic Aquatic Metabolism kbacw 99 days Halfife

Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.80 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-
 Interval 1 interval 168 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.80 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)

stored as Papaya2.out

Chemical: Diuron

PRZM environment: CAAvocadoRLF_V2.txt modified Wedday, 26 March 2008 at 08:28:12

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23188.dvf modified Tuesday, 26 August 2008 at 05:15:37

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.254	7.912	6.729	5.006	4.158	1.569
1962	22.07	21.18	18.59	14.67	12.44	4.432
1963	2.751	2.674	2.313	1.966	1.892	0.9808
1964	6.286	6.044	5.196	3.927	3.402	1.262
1965	4.349	4.198	3.616	2.826	2.555	1.246
1966	5.548	5.345	4.79	3.794	3.21	1.452
1967	24.91	24.09	20.67	15.42	12.86	4.585
1968	13.86	13.27	11.25	8.284	6.822	2.486
1969	43.18	41.36	35.68	27.78	23.4	8.082
1970	15.1	14.5	12.51	9.304	7.71	2.913
1971	6.96	6.687	5.732	4.374	3.864	1.667
1972	2.92	2.805	2.52	1.857	1.414	0.7797
1973	4.019	3.9	3.468	2.741	2.475	0.9536
1974	12.93	12.4	10.78	8.167	6.928	2.459
1975	10.84	10.4	9.289	7.194	6.046	2.308
1976	13.8	13.24	11.53	8.707	7.289	2.601
1977	12.25	11.73	9.927	7.317	6.061	3.249
1978	25.24	24.61	21.26	15.75	13.04	4.372
1979	26.32	25.3	21.75	16.73	15.1	5.464
1980	16.25	15.61	13.38	11.15	9.706	3.4
1981	9.558	9.177	8.222	6.211	5.188	1.958
1982	8.385	8.053	6.896	5.191	4.306	1.954
1983	8.08	7.76	7.04	5.997	5.119	1.881
1984	2.286	2.187	1.847	1.358	1.12	0.4282

1985	10.11	9.702	8.361	6.013	4.021	1.581
1986	17.51	16.82	14.43	11.59	9.899	4.062
1987	8.826	8.464	7.21	5.47	4.679	1.761
1988	12.33	11.84	10.1	7.521	7.122	3.494
1989	2.602	2.498	2.139	1.612	1.413	0.6129
1990	7.21	6.928	5.942	4.731	4.208	1.515

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	43.18	41.36	35.68	27.78	23.4	8.082
0.0645161290322581		26.32	25.3	21.75	16.73	15.1
0.0967741935483871		25.24	24.61	21.26	15.75	13.04
0.129032258064516	24.91	24.09	20.67	15.42	12.86	4.432
0.161290322580645	22.07	21.18	18.59	14.67	12.44	4.372
0.193548387096774	17.51	16.82	14.43	11.59	9.899	4.062
0.225806451612903	16.25	15.61	13.38	11.15	9.706	3.494
0.258064516129032	15.1	14.5	12.51	9.304	7.71	3.4
0.290322580645161	13.86	13.27	11.53	8.707	7.289	3.249
0.32258064516129	13.8	13.24	11.25	8.284	7.122	2.913
0.354838709677419	12.93	12.4	10.78	8.167	6.928	2.601
0.387096774193548	12.33	11.84	10.1	7.521	6.822	2.486
0.419354838709677	12.25	11.73	9.927	7.317	6.061	2.459
0.451612903225806	10.84	10.4	9.289	7.194	6.046	2.308
0.483870967741936	10.11	9.702	8.361	6.211	5.188	1.958
0.516129032258065	9.558	9.177	8.222	6.013	5.119	1.954
0.548387096774194	8.826	8.464	7.21	5.997	4.679	1.881
0.580645161290323	8.385	8.053	7.04	5.47	4.306	1.761
0.612903225806452	8.254	7.912	6.896	5.191	4.208	1.667
0.645161290322581	8.08	7.76	6.729	5.006	4.158	1.581
0.67741935483871	7.21	6.928	5.942	4.731	4.021	1.569
0.709677419354839	6.96	6.687	5.732	4.374	3.864	1.515
0.741935483870968	6.286	6.044	5.196	3.927	3.402	1.452
0.774193548387097	5.548	5.345	4.79	3.794	3.21	1.262
0.806451612903226	4.349	4.198	3.616	2.826	2.555	1.246
0.838709677419355	4.019	3.9	3.468	2.741	2.475	0.9808
0.870967741935484	2.92	2.805	2.52	1.966	1.892	0.9536
0.903225806451613	2.751	2.674	2.313	1.857	1.414	0.7797
0.935483870967742	2.602	2.498	2.139	1.612	1.413	0.6129
0.967741935483871	2.286	2.187	1.847	1.358	1.12	0.4282

0.1	25.207	24.558	21.201	15.717	13.022	4.5697
Average of yearly averages:					2.51694	

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Papaya2

Metfile: w23188.dvf

PRZM scenario: CAAvocadoRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.		henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		

Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 4.49 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-mm
 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)

stored as NonagROW-ResidAR2.out

Chemical: Diuron

PRZM environment: CAresidentialRLF.txt modified Tuesday, 20 February 2007 at 11:04:34

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	51.39	50.12	43.83	27.08	23.45	8.032
1962	61.3	59.21	53.74	43.25	42.61	25.88
1963	55.6	53.93	48.56	41.59	39.16	25.79
1964	47.76	46.04	40.01	31.51	28.69	21.36
1965	48.14	47.07	39.51	28.4	25.57	18.61
1966	51.69	50.39	45.3	33.86	29.77	21.41
1967	83.55	81.42	76.98	61.27	53.69	31.12
1968	46.7	45.01	39.55	30.69	28.14	21.01
1969	47.39	45.64	40.23	34.79	32.33	22.71
1970	53.86	52.14	45.73	32.67	29.13	21.38
1971	46.54	45.15	39.54	26.61	24.62	18.75
1972	55.28	53.36	46.8	34.5	32.35	19.19
1973	69.36	66.75	57.73	40.92	37.45	26.01
1974	50.19	48.75	44.31	36.08	31.99	22.12
1975	47.31	45.61	39.7	27.57	25.22	20.52
1976	48.69	43.39	38.33	25.99	23.88	18.18
1977	57.29	55.41	48.98	39.02	34.21	23.35
1978	46.25	44.6	39.41	36.44	34.65	23.58
1979	52.07	50.34	41.25	38.42	35.37	24.51
1980	48.89	47.42	43.96	39.15	36.52	24.01
1981	54.23	52.25	45.64	33.43	29.24	21.39
1982	119	115	100	80.81	71.17	39.73
1983	52.17	50.69	47.02	43.43	39.78	25.07

1984	51.59	49.73	43.29	29.91	26.79	19.61
1985	50.22	48.41	42.12	28.09	25.48	19.37
1986	46.26	44.56	38.68	32.62	30.34	22.6
1987	45.52	44.23	41.2	27.01	24.68	19.01
1988	45.62	43.94	38.9	26.85	24.53	18.34
1989	48.28	46.5	40.76	27.39	25.09	18.07
1990	46.25	44.57	39.73	26.67	24.55	18.5

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	119	115	100	80.81	71.17 39.73
0.0645161290322581		83.55	81.42	76.98	61.27 53.69 31.12
0.0967741935483871		69.36	66.75	57.73	43.43 42.61 26.01
0.129032258064516	61.3	59.21	53.74	43.25	39.78 25.88
0.161290322580645	57.29	55.41	48.98	41.59	39.16 25.79
0.193548387096774	55.6	53.93	48.56	40.92	37.45 25.07
0.225806451612903	55.28	53.36	47.02	39.15	36.52 24.51
0.258064516129032	54.23	52.25	46.8	39.02	35.37 24.01
0.290322580645161	53.86	52.14	45.73	38.42	34.65 23.58
0.32258064516129	52.17	50.69	45.64	36.44	34.21 23.35
0.354838709677419	52.07	50.39	45.3	36.08	32.35 22.71
0.387096774193548	51.69	50.34	44.31	34.79	32.33 22.6
0.419354838709677	51.59	50.12	43.96	34.5	31.99 22.12
0.451612903225806	51.39	49.73	43.83	33.86	30.34 21.41
0.483870967741936	50.22	48.75	43.29	33.43	29.77 21.39
0.516129032258065	50.19	48.41	42.12	32.67	29.24 21.38
0.548387096774194	48.89	47.42	41.25	32.62	29.13 21.36
0.580645161290323	48.69	47.07	41.2	31.51	28.69 21.01
0.612903225806452	48.28	46.5	40.76	30.69	28.14 20.52
0.645161290322581	48.14	46.04	40.23	29.91	26.79 19.61
0.67741935483871	47.76	45.64	40.01	28.4	25.57 19.37
0.709677419354839	47.39	45.61	39.73	28.09	25.48 19.19
0.741935483870968	47.31	45.15	39.7	27.57	25.22 19.01
0.774193548387097	46.7	45.01	39.55	27.39	25.09 18.75
0.806451612903226	46.54	44.6	39.54	27.08	24.68 18.61
0.838709677419355	46.26	44.57	39.51	27.01	24.62 18.5
0.870967741935484	46.25	44.56	39.41	26.85	24.55 18.34
0.903225806451613	46.25	44.23	38.9	26.67	24.53 18.18
0.935483870967742	45.62	43.94	38.68	26.61	23.88 18.07
0.967741935483871	45.52	43.39	38.33	25.99	23.45 8.032

0.1	68.554	65.996	57.331	43.412	42.327	25.997
Average of yearly averages:						21.9737333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: NonagROW-ResidAR2

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name	Value	Units	Comments
Molecular weight mwt	233.1	g/mol	
Henry's Law Const.	henry 2.2E-10		atm-m^3/mol
Vapor Pressure vapr	6.9E-8	torr	
Solubility sol	420	mg/L	

Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 1-9 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as NonagROW-ImpervAR2.out

Chemical: Diuron

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 11:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1840	1790	1560	868	659	181
1962	1110	1080	965	783	681	334
1963	305	295	266	217	188	109
1964	696	669	578	458	328	132
1965	1240	1200	941	619	421	178
1966	1110	1080	953	757	653	338
1967	928	903	787	465	401	243
1968	584	568	510	414	358	168
1969	645	630	552	284	230	92.15
1970	483	470	415	296	253	152
1971	912	880	760	395	282	144
1972	552	537	481	390	337	192
1973	2200	2130	1830	973	714	229
1974	1280	1240	1110	897	778	361
1975	905	868	750	572	478	237
1976	1110	706	329	283	249	127
1977	1070	1050	905	693	587	302
1978	393	381	338	269	231	141
1979	753	728	482	333	279	130
1980	1230	1200	1030	483	371	218

1981	758	735	653	520	447	200
1982	693	667	579	340	281	126
1983	599	577	514	369	376	195
1984	620	595	533	448	424	191
1985	487	469	413	303	265	167
1986	309	301	270	216	186	95.15
1987	627	609	554	400	301	120
1988	646	624	394	285	245	142
1989	966	938	799	594	501	247
1990	812	792	713	601	519	256

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2200	2130	1830	973	778 361
0.0645161290322581		1840	1790	1560	897 714 338
0.0967741935483871		1280	1240	1110	868 681 334
0.129032258064516	1240	1200	1030	783	659 302
0.161290322580645	1230	1200	965	757	653 256
0.193548387096774	1110	1080	953	693	587 247
0.225806451612903	1110	1080	941	619	519 243
0.258064516129032	1110	1050	905	601	501 237
0.290322580645161	1070	938	799	594	478 229
0.32258064516129	966	903	787	572	447 218
0.354838709677419	928	880	760	520	424 200
0.387096774193548	912	868	750	483	421 195
0.419354838709677	905	792	713	465	401 192
0.451612903225806	812	735	653	458	376 191
0.483870967741936	758	728	579	448	371 181
0.516129032258065	753	706	578	414	358 178
0.548387096774194	696	669	554	400	337 168
0.580645161290323	693	667	552	395	328 167
0.612903225806452	646	630	533	390	301 152
0.645161290322581	645	624	514	369	282 144
0.67741935483871	627	609	510	340	281 142
0.709677419354839	620	595	482	333	279 141
0.741935483870968	599	577	481	303	265 132
0.774193548387097	584	568	415	296	253 130
0.806451612903226	552	537	413	285	249 127
0.838709677419355	487	470	394	284	245 126
0.870967741935484	483	469	338	283	231 120
0.903225806451613	393	381	329	269	230 109
0.935483870967742	309	301	270	217	188 95.15
0.967741935483871	305	295	266	216	186 92.15

0.1 1276 1236 1102 859.5 678.8 330.8

Average of yearly averages: 191.576666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: NonagROW-ImpervAR2

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name Value Units Comments

Molecular weight mwt 233.1 g/mol

Henry's Law Const. henry 2.2E-10 atm-m³/mol
 Vapor Pressure vapr 6.9E-8 torr
 Solubility sol 420 mg/L
 Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 1-9 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as Irrigation Systems2.out

Chemical: Diuron

PRZM environment: CAresidentialRLF.txt modified Tuesday, 20 February 2007 at 11:04:34

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.49	17	14.85	12.45	11.56	7.545
1962	44.62	43.54	39.32	32.57	28.85	16.46
1963	53.44	51.46	45.65	37.64	34.83	16.99
1964	31.48	30.31	26.48	21.35	18.84	10.69
1965	17.12	16.63	14.7	12.57	11.66	8.2
1966	20.41	19.97	18.54	15.34	14.11	9.005
1967	72.83	70.19	64.91	52.11	46.41	20.98
1968	34.32	33.08	28.81	23.58	21.34	11.94
1969	33.48	32.62	30.19	26.79	24.17	12.55
1970	28.69	27.96	24.55	20.31	18.52	10.84
1971	15.04	14.54	13.47	12.17	12.13	8.714
1972	13.57	13.16	11.63	9.725	9.216	8.452
1973	34.82	33.84	31.42	29.55	27.18	14.41
1974	19.16	18.53	16.58	14.91	14.38	9.627
1975	25.53	24.72	22.36	18.8	18.26	11.29
1976	18.64	18.02	16.39	14.03	13.15	8.656
1977	22.87	22.04	19.73	18.09	16.8	10.41

1978	37.94	36.67	32.51	29.51	27.85	15.11
1979	41.24	39.83	36.71	30.41	28.59	14.96
1980	31.09	30.03	29.21	25.08	23.4	12.79
1981	37.34	35.95	31.39	25.22	22.47	12.28
1982	76.82	73.87	64.59	56.72	51.96	26.32
1983	42.43	40.91	37.26	32.5	29.39	14.13
1984	14.74	14.22	12.9	10.97	10.31	7.925
1985	22.07	21.3	19.01	16.55	15.49	9.821
1986	44.63	43.1	38.62	35.75	31.86	15.34
1987	25.13	24.24	21.67	17.41	16.15	9.85
1988	16.33	15.76	14	12.16	11.78	8.599
1989	14.19	13.71	12.06	10.22	9.661	7.375
1990	19.04	18.41	16.17	14.07	13.4	8.916

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	76.82	73.87	64.91	56.72	51.96	26.32
0.0645161290322581		72.83	70.19	64.59	52.11	46.41
0.0967741935483871		53.44	51.46	45.65	37.64	34.83
0.129032258064516	44.63	43.54	39.32	35.75	31.86	16.46
0.161290322580645	44.62	43.1	38.62	32.57	29.39	15.34
0.193548387096774	42.43	40.91	37.26	32.5	28.85	15.11
0.225806451612903	41.24	39.83	36.71	30.41	28.59	14.96
0.258064516129032	37.94	36.67	32.51	29.55	27.85	14.41
0.290322580645161	37.34	35.95	31.42	29.51	27.18	14.13
0.32258064516129	34.82	33.84	31.39	26.79	24.17	12.79
0.354838709677419	34.32	33.08	30.19	25.22	23.4	12.55
0.387096774193548	33.48	32.62	29.21	25.08	22.47	12.28
0.419354838709677	31.48	30.31	28.81	23.58	21.34	11.94
0.451612903225806	31.09	30.03	26.48	21.35	18.84	11.29
0.483870967741936	28.69	27.96	24.55	20.31	18.52	10.84
0.516129032258065	25.53	24.72	22.36	18.8	18.26	10.69
0.548387096774194	25.13	24.24	21.67	18.09	16.8	10.41
0.580645161290323	22.87	22.04	19.73	17.41	16.15	9.85
0.612903225806452	22.07	21.3	19.01	16.55	15.49	9.821
0.645161290322581	20.41	19.97	18.54	15.34	14.38	9.627
0.67741935483871	19.16	18.53	16.58	14.91	14.11	9.005
0.709677419354839	19.04	18.41	16.39	14.07	13.4	8.916
0.741935483870968	18.64	18.02	16.17	14.03	13.15	8.714
0.774193548387097	17.49	17	14.85	12.57	12.13	8.656
0.806451612903226	17.12	16.63	14.7	12.45	11.78	8.599
0.838709677419355	16.33	15.76	14	12.17	11.66	8.452
0.870967741935484	15.04	14.54	13.47	12.16	11.56	8.2
0.903225806451613	14.74	14.22	12.9	10.97	10.31	7.925
0.935483870967742	14.19	13.71	12.06	10.22	9.661	7.545
0.967741935483871	13.57	13.16	11.63	9.725	9.216	7.375

0.1	52.559	50.668	45.017	37.451	34.533	16.937
Average of yearly averages:						12.00583333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Irrigation Systems2

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	13.47	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	
Application Date	Date	1-1	dd/mm or dd/mm or dd-mm or dd-mmm	
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	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)

stored as Grapes2.out

Chemical: Diuron

PRZM environment: CAgapes_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.287	2.2	1.916	1.427	1.155	0.5687
1962	11.83	11.4	9.93	7.532	6.449	2.327
1963	4.08	3.928	3.426	2.977	2.864	1.296
1964	2.323	2.262	2.008	1.543	1.255	0.6258
1965	7.997	7.675	6.564	5.18	4.666	1.697
1966	2.31	2.22	1.906	1.394	1.131	0.5778
1967	4.385	4.21	3.588	2.956	2.513	1.022
1968	2.614	2.519	2.184	1.639	1.426	0.6722
1969	11.41	10.97	9.392	7.317	6.567	2.351
1970	4.368	4.243	3.735	2.837	2.8	1.11
1971	2.798	2.686	2.324	1.798	1.541	0.6995
1972	2.296	2.208	1.945	1.462	1.176	0.5824
1973	5.483	5.265	4.509	3.576	3.234	1.277
1974	2.417	2.315	1.999	1.483	1.239	0.603

1975	2.303	2.222	1.929	1.443	1.171	0.5861
1976	9.713	9.328	7.996	6.095	5.234	1.996
1977	2.423	2.333	2.014	1.523	1.252	0.6288
1978	8.889	8.652	7.599	6.366	5.696	2.114
1979	2.409	2.307	1.993	1.486	1.262	0.6392
1980	9.648	9.26	8.111	6.359	5.611	2.035
1981	2.96	2.852	2.532	1.858	1.686	0.7395
1982	3.265	3.143	2.717	2.218	2.111	0.8898
1983	4.021	3.862	3.321	3.07	2.815	1.261
1984	2.295	2.232	1.97	1.493	1.202	0.5859
1985	2.32	2.228	1.933	1.423	1.158	0.5703
1986	6.74	6.466	5.563	4.823	4.323	1.619
1987	2.966	2.839	2.412	1.96	1.588	0.7667
1988	2.707	2.596	2.229	1.679	1.438	0.6897
1989	2.676	2.565	2.343	1.778	1.527	0.7087
1990	2.835	2.721	2.299	2.055	1.71	0.7862

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	11.83	11.4	9.93	7.532	6.567	2.351
0.0645161290322581		11.41	10.97	9.392	7.317	6.449
0.0967741935483871		9.713	9.328	8.111	6.366	5.696
0.129032258064516	9.648	9.26	7.996	6.359	5.611	2.035
0.161290322580645	8.889	8.652	7.599	6.095	5.234	1.996
0.193548387096774	7.997	7.675	6.564	5.18	4.666	1.697
0.225806451612903	6.74	6.466	5.563	4.823	4.323	1.619
0.258064516129032	5.483	5.265	4.509	3.576	3.234	1.296
0.290322580645161	4.385	4.243	3.735	3.07	2.864	1.277
0.32258064516129	4.368	4.21	3.588	2.977	2.815	1.261
0.354838709677419	4.08	3.928	3.426	2.956	2.8	1.11
0.387096774193548	4.021	3.862	3.321	2.837	2.513	1.022
0.419354838709677	3.265	3.143	2.717	2.218	2.111	0.8898
0.451612903225806	2.966	2.852	2.532	2.055	1.71	0.7862
0.483870967741936	2.96	2.839	2.412	1.96	1.686	0.7667
0.516129032258065	2.835	2.721	2.343	1.858	1.588	0.7395
0.548387096774194	2.798	2.686	2.324	1.798	1.541	0.7087
0.580645161290323	2.707	2.596	2.299	1.778	1.527	0.6995
0.612903225806452	2.676	2.565	2.229	1.679	1.438	0.6897
0.645161290322581	2.614	2.519	2.184	1.639	1.426	0.6722
0.67741935483871	2.423	2.333	2.014	1.543	1.262	0.6392
0.709677419354839	2.417	2.315	2.008	1.523	1.255	0.6288
0.741935483870968	2.409	2.307	1.999	1.493	1.252	0.6258
0.774193548387097	2.323	2.262	1.993	1.486	1.239	0.603
0.806451612903226	2.32	2.232	1.97	1.483	1.202	0.5861
0.838709677419355	2.31	2.228	1.945	1.462	1.176	0.5859
0.870967741935484	2.303	2.222	1.933	1.443	1.171	0.5824
0.903225806451613	2.296	2.22	1.929	1.427	1.158	0.5778
0.935483870967742	2.295	2.208	1.916	1.423	1.155	0.5703
0.967741935483871	2.287	2.2	1.906	1.394	1.131	0.5687

0.1	9.7065	9.3212	8.0995	6.3653	5.6875	2.1061
Average of yearly averages:						1.06751

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: Grapes2

Metfile: w93193.dvf

PRZM scenario: CAgrapes_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr	6.9E-8	torr	
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Solubility	sol	420	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	920	mg/L	
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Photolysis half-life	kdp	43	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
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Aerobic Soil Metabolism	asm	372	days	Halfife
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Hydrolysis: pH 5	500	days	Half-life	
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Hydrolysis: pH 7	500	days	Half-life	
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Hydrolysis: pH 9	500	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	3.59	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	1-2	dd/mm or dd/mm or dd-mm or dd-mmm	
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Interval 1	interval	90	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	3.59	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)

stored as Pear2.out

Chemical: Diuron

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.423	4.255	3.657	2.775	2.373	0.8099
1962	10.58	10.21	8.917	6.785	5.667	1.92
1963	8.687	8.352	7.436	6.061	5.28	1.872
1964	1.843	1.771	1.521	1.159	0.9813	0.3337
1965	5.569	5.348	4.578	3.43	2.827	1.053
1966	1.831	1.759	1.511	1.149	0.9663	0.3169
1967	2.814	2.707	2.496	2.024	1.875	0.7334
1968	1.808	1.737	1.488	1.166	0.996	0.3363
1969	22.56	21.69	18.67	15.06	13.02	4.443
1970	11.75	11.28	9.642	7.85	6.979	2.416
1971	1.839	1.767	1.516	1.153	0.9731	0.3844

1972	1.802	1.732	1.494	1.192	1.004	0.3289	
1973	5.123	4.925	4.234	3.244	2.728	0.9727	
1974	1.813	1.741	1.489	1.139	0.9697		0.3248
1975	1.797	1.725	1.479	1.12	0.9464		0.3208
1976	10.82	10.4	8.93	6.826	5.786	1.984	
1977	1.848	1.776	1.526	1.154	0.9713		0.322
1978	9.521	9.337	8.27	6.704	6.069	2.122	
1979	1.832	1.759	1.507	1.314	1.158	0.3944	
1980	10.84	10.44	9.155	7.21	6.586	2.398	
1981	5.627	5.408	4.641	3.529	2.987	1.015	
1982	2.021	1.954	1.762	1.529	1.365	0.5844	
1983	17.45	16.79	15.06	12.17	10.34	3.465	
1984	1.85	1.776	1.521	1.298	1.109	0.366	
1985	1.796	1.724	1.478	1.211	1.031	0.3371	
1986	8.654	8.311	7.176	5.645	4.838	1.654	
1987	1.849	1.784	1.565	1.459	1.344	0.4692	
1988	1.8	1.747	1.499	1.185	1.03	0.3624	
1989	2.56	2.469	2.133	1.866	1.616	0.658	
1990	1.808	1.736	1.503	1.206	1.021	0.3421	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	22.56	21.69	18.67	15.06	13.02	4.443
0.0645161290322581		17.45	16.79	15.06	12.17	10.34 3.465
0.0967741935483871		11.75	11.28	9.642	7.85	6.979 2.416
0.129032258064516	10.84	10.44	9.155	7.21	6.586	2.398
0.161290322580645	10.82	10.4	8.93	6.826	6.069	2.122
0.193548387096774	10.58	10.21	8.917	6.785	5.786	1.984
0.225806451612903	9.521	9.337	8.27	6.704	5.667	1.92
0.258064516129032	8.687	8.352	7.436	6.061	5.28	1.872
0.290322580645161	8.654	8.311	7.176	5.645	4.838	1.654
0.32258064516129	5.627	5.408	4.641	3.529	2.987	1.053
0.354838709677419	5.569	5.348	4.578	3.43	2.827	1.015
0.387096774193548	5.123	4.925	4.234	3.244	2.728	0.9727
0.419354838709677	4.423	4.255	3.657	2.775	2.373	0.8099
0.451612903225806	2.814	2.707	2.496	2.024	1.875	0.7334
0.483870967741936	2.56	2.469	2.133	1.866	1.616	0.658
0.516129032258065	2.021	1.954	1.762	1.529	1.365	0.5844
0.548387096774194	1.85	1.784	1.565	1.459	1.344	0.4692
0.580645161290323	1.849	1.776	1.526	1.314	1.158	0.3944
0.612903225806452	1.848	1.776	1.521	1.298	1.109	0.3844
0.645161290322581	1.843	1.771	1.521	1.211	1.031	0.366
0.67741935483871	1.839	1.767	1.516	1.206	1.03	0.3624
0.709677419354839	1.832	1.759	1.511	1.192	1.021	0.3421
0.741935483870968	1.831	1.759	1.507	1.185	1.004	0.3371
0.774193548387097	1.813	1.747	1.503	1.166	0.996	0.3363
0.806451612903226	1.808	1.741	1.499	1.159	0.9813	0.3337
0.838709677419355	1.808	1.737	1.494	1.154	0.9731	0.3289
0.870967741935484	1.802	1.736	1.489	1.153	0.9713	0.3248
0.903225806451613	1.8	1.732	1.488	1.149	0.9697	0.322
0.935483870967742	1.797	1.725	1.479	1.139	0.9663	0.3208
0.967741935483871	1.796	1.724	1.478	1.12	0.9464	0.3169
0.1	11.659	11.196	9.5933	7.786	6.9397	2.4142
Average of yearly averages:						1.10131333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Pear2

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		233.1	g/mol	
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Henry's Law Const.	henry		2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr		6.9E-8	torr	
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
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Aerobic Soil Metabolism	asm	372	days		Halfife
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Hydrolysis: pH 5	500	days			Half-life
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Hydrolysis: pH 7	500	days			Half-life
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Hydrolysis: pH 9	500	days			Half-life
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Method:	CAM	1	integer		See PRZM manual
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Incorporation Depth:	DEPI		cm		
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Application Rate:	TAPP	3.59	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	16-1	dd/mm or dd/mm or dd-mm or dd-mm		
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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)

stored as Paved Areas2.out

Chemical: Diuron

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 11:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3810	3660	3240	2210	1830	1060
1962	3610	3500	3040	2510	2340	1590
1963	3830	3720	3280	2890	2880	1670
1964	4950	4760	4270	3430	2490	1310
1965	5190	5030	4390	3460	2510	1780
1966	4010	3940	3540	3410	3150	1760
1967	4560	4410	3980	3340	3200	2010
1968	2460	2410	2200	2110	2050	1300
1969	2560	2480	2220	2150	2040	1270
1970	2430	2380	2100	1770	1640	1140

1971	2640	2550	2250	2010	1760	1030
1972	4130	4060	3560	2960	2710	1090
1973	3530	3430	3100	2870	2760	1680
1974	3070	2990	2650	2270	2150	1300
1975	3790	3640	3220	2610	2180	1430
1976	2220	1950	1730	1450	1330	920
1977	2960	2860	2520	2130	1980	1400
1978	2690	2600	2310	2140	1980	1220
1979	3700	3570	3110	2780	2550	1630
1980	3010	2920	2640	2490	2310	1340
1981	3020	2910	2540	2090	1910	1250
1982	2340	2270	2010	1860	1780	1240
1983	3660	3570	3170	2820	2570	1710
1984	3860	3740	3260	2860	2560	1460
1985	2990	2910	2560	2220	2080	1420
1986	2450	2410	2160	1950	1850	913
1987	3310	3190	2810	2700	2040	1240
1988	3500	3400	3010	2390	2070	1430
1989	5810	5640	4810	4160	3860	1710
1990	3570	3470	3310	3020	2820	1420

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	5810	5640	4810	4160	3860	2010
0.0645161290322581		5190	5030	4390	3460	3200
0.0967741935483871		4950	4760	4270	3430	3150
0.129032258064516	4560	4410	3980	3410	2880	1710
0.161290322580645	4130	4060	3560	3340	2820	1710
0.193548387096774	4010	3940	3540	3020	2760	1680
0.225806451612903	3860	3740	3310	2960	2710	1670
0.258064516129032	3830	3720	3280	2890	2570	1630
0.290322580645161	3810	3660	3260	2870	2560	1590
0.32258064516129	3790	3640	3240	2860	2550	1460
0.354838709677419	3700	3570	3220	2820	2510	1430
0.387096774193548	3660	3570	3170	2780	2490	1430
0.419354838709677	3610	3500	3110	2700	2340	1420
0.451612903225806	3570	3470	3100	2610	2310	1420
0.483870967741936	3530	3430	3040	2510	2180	1400
0.516129032258065	3500	3400	3010	2490	2150	1340
0.548387096774194	3310	3190	2810	2390	2080	1310
0.580645161290323	3070	2990	2650	2270	2070	1300
0.612903225806452	3020	2920	2640	2220	2050	1300
0.645161290322581	3010	2910	2560	2210	2040	1270
0.67741935483871	2990	2910	2540	2150	2040	1250
0.709677419354839	2960	2860	2520	2140	1980	1240
0.741935483870968	2690	2600	2310	2130	1980	1240
0.774193548387097	2640	2550	2250	2110	1910	1220
0.806451612903226	2560	2480	2220	2090	1850	1140
0.838709677419355	2460	2410	2200	2010	1830	1090
0.870967741935484	2450	2410	2160	1950	1780	1060
0.903225806451613	2430	2380	2100	1860	1760	1030
0.935483870967742	2340	2270	2010	1770	1640	920
0.967741935483871	2220	1950	1730	1450	1330	913

0.1	4911	4725	4241	3428	3123	1755
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Average of yearly averages: 1390.76666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Paved Areas2

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.			henry 2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life
Hydrolysis: pH 7	500	days			Half-life
Hydrolysis: pH 9	500	days			Half-life
Method:	CAM	1	integer		See PRZM manual
Incorporation Depth:	DEPI		cm		
Application Rate:	TAPP	13.47	kg/ha		
Application Efficiency:	APPEFF	0.99			fraction
Spray Drift	DRFT	0.01			fraction of application rate applied to pond
Application Date	Date	1-1	dd/mm		or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days		Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	kg/ha		
Interval 2	interval	21	days		Set to 0 or delete line for single app.
app. rate 2	apprate	13.47	kg/ha		
Interval 3	interval	21	days		Set to 0 or delete line for single app.
app. rate 3	apprate	13.47	kg/ha		
Interval 4	interval	21	days		Set to 0 or delete line for single app.
app. rate 4	apprate	13.47	kg/ha		
Interval 5	interval	21	days		Set to 0 or delete line for single app.
app. rate 5	apprate	13.47	kg/ha		
Interval 6	interval	21	days		Set to 0 or delete line for single app.
app. rate 6	apprate	13.47	kg/ha		
Interval 7	interval	21	days		Set to 0 or delete line for single app.
app. rate 7	apprate	13.47	kg/ha		
Interval 8	interval	21	days		Set to 0 or delete line for single app.
app. rate 8	apprate	13.47	kg/ha		
Interval 9	interval	21	days		Set to 0 or delete line for single app.
app. rate 9	apprate	13.47	kg/ha		
Interval 10	interval	21	days		Set to 0 or delete line for single app.
app. rate 10	apprate	13.47	kg/ha		
Interval 11	interval	21	days		Set to 0 or delete line for single app.
app. rate 11	apprate	13.47	kg/ha		
Interval 12	interval	21	days		Set to 0 or delete line for single app.
app. rate 12	apprate	13.47	kg/ha		
Interval 13	interval	21	days		Set to 0 or delete line for single app.
app. rate 13	apprate	13.47	kg/ha		
Interval 14	interval	21	days		Set to 0 or delete line for single app.
app. rate 14	apprate	13.47	kg/ha		
Interval 15	interval	21	days		Set to 0 or delete line for single app.

app. rate 15 apprate 13.47 kg/ha
Interval 16 interval 21 days Set to 0 or delete line for single app.
app. rate 16 apprate 13.47 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)

stored as OrnaHerbPL2.out

Chemical: Diuron

PRZM environment: CAnurserySTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23188.dvf modified Tuesday, 26 August 2008 at 05:15:37

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.871	3.711	3.157	1.545	1.205	0.6439
1962	6.286	6.062	5.357	4.818	4.367	1.708
1963	6.142	5.913	5.102	4.054	3.511	1.864
1964	3.26	3.14	2.713	2.135	1.853	0.878
1965	10.28	9.988	8.64	7.265	6.459	2.674
1966	13.76	13.24	11.56	8.112	7.156	2.338
1967	9.566	9.373	8.338	7.486	7.092	3.19
1968	27.34	26.27	22.5	16.79	13.89	4.749
1969	9.965	9.545	8.451	7.093	6.343	2.372
1970	8.391	8.051	6.996	5.307	4.42	1.907
1971	5.785	5.577	4.831	3.683	3.459	2.294
1972	8.155	7.815	6.974	5.182	3.487	1.742
1973	8.249	7.956	7.16	5.78	5	2.38
1974	7.869	7.553	6.455	4.636	3.916	2.247
1975	29.13	28.17	25.79	20.17	17	6.301
1976	7.215	6.949	6.004	5.191	4.863	2.038
1977	20.23	19.4	16.52	12.18	9.957	4.799
1978	16.09	15.45	13.24	10.94	9.173	3.215
1979	6.773	6.531	5.98	5.323	4.578	1.622
1980	14.58	13.98	11.91	9.021	7.565	2.673
1981	48.41	46.53	41.19	31.78	26.34	8.681
1982	46.56	44.65	38.15	28.47	23.61	8.116
1983	37.37	36.26	31.22	23.94	19.89	6.489
1984	3.185	3.072	2.821	1.566	1.209	0.6654
1985	24.49	23.51	20.71	14.81	9.901	3.325
1986	15.63	15.23	13.3	12.04	10.58	5.475
1987	4.778	4.59	3.926	2.92	2.665	1.624
1988	23.83	22.83	19.41	14.37	11.81	4.476
1989	6.044	5.789	4.313	3.276	2.925	1.279
1990	6.702	6.502	5.717	4.954	4.823	1.987

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	48.41	46.53	41.19	31.78	26.34	8.681	
0.0645161290322581		46.56	44.65	38.15	28.47	23.61	8.116

0.0967741935483871	37.37	36.26	31.22	23.94	19.89	6.489
0.129032258064516	29.13	28.17	25.79	20.17	17	6.301
0.161290322580645	27.34	26.27	22.5	16.79	13.89	5.475
0.193548387096774	24.49	23.51	20.71	14.81	11.81	4.799
0.225806451612903	23.83	22.83	19.41	14.37	10.58	4.749
0.258064516129032	20.23	19.4	16.52	12.18	9.957	4.476
0.290322580645161	16.09	15.45	13.3	12.04	9.901	3.325
0.32258064516129	15.63	15.23	13.24	10.94	9.173	3.215
0.354838709677419	14.58	13.98	11.91	9.021	7.565	3.19
0.387096774193548	13.76	13.24	11.56	8.112	7.156	2.674
0.419354838709677	10.28	9.988	8.64	7.486	7.092	2.673
0.451612903225806	9.965	9.545	8.451	7.265	6.459	2.38
0.483870967741936	9.566	9.373	8.338	7.093	6.343	2.372
0.516129032258065	8.391	8.051	7.16	5.78	5	2.338
0.548387096774194	8.249	7.956	6.996	5.323	4.863	2.294
0.580645161290323	8.155	7.815	6.974	5.307	4.823	2.247
0.612903225806452	7.869	7.553	6.455	5.191	4.578	2.038
0.645161290322581	7.215	6.949	6.004	5.182	4.42	1.987
0.67741935483871	6.773	6.531	5.98	4.954	4.367	1.907
0.709677419354839	6.702	6.502	5.717	4.818	3.916	1.864
0.741935483870968	6.286	6.062	5.357	4.636	3.511	1.742
0.774193548387097	6.142	5.913	5.102	4.054	3.487	1.708
0.806451612903226	6.044	5.789	4.831	3.683	3.459	1.624
0.838709677419355	5.785	5.577	4.313	3.276	2.925	1.622
0.870967741935484	4.778	4.59	3.926	2.92	2.665	1.279
0.903225806451613	3.871	3.711	3.157	2.135	1.853	0.878
0.935483870967742	3.26	3.14	2.821	1.566	1.209	0.6654
0.967741935483871	3.185	3.072	2.713	1.545	1.205	0.6439

0.1	36.546	35.451	30.677	23.563	19.601	6.4702
Average of yearly averages:						3.12507666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: OrnaHerbPL2

Metfile: w23188.dvf

PRZM scenario: CAnurserySTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days		Half-life
Hydrolysis: pH 7	500	days		Half-life
Hydrolysis: pH 9	500	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	4.49	kg/ha	

Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-3 dd/mm or dd/mm or dd-mm or dd-
 Record 17: FILTRA
 IPSCND 1
 UPTKF
 Record 18: PLVKRT
 PLDKRT
 FEXTRC 0.5
 Flag for Index Res. Run IR EPA Pond
 Flag for runoff calc. RUNOFF none none, monthly or total(average of
 entire run)

stored as NonagROW-ImpervGR2.out

Chemical: Diuron

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 11:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1880	1830	1600	887	670	182
1962	1130	1100	988	801	697	337
1963	295	287	259	211	183	103
1964	715	687	593	460	325	127
1965	1270	1230	956	626	422	174
1966	1140	1100	974	773	667	341
1967	935	910	793	467	402	243
1968	588	572	514	416	360	164
1969	643	627	550	278	223	85.2
1970	470	457	403	294	252	148
1971	916	883	763	392	277	139
1972	554	538	482	390	338	190
1973	2260	2180	1880	996	728	228
1974	1310	1280	1140	920	798	366
1975	929	890	769	582	482	236
1976	1130	715	324	280	246	122
1977	1100	1070	925	707	599	304
1978	389	377	334	266	228	137
1979	761	736	478	329	274	125
1980	1250	1220	1050	485	374	217
1981	768	746	662	527	453	198
1982	687	660	574	335	277	121
1983	591	570	509	367	376	192
1984	634	608	538	453	425	189
1985	473	456	401	301	263	163
1986	301	293	262	210	181	88.65
1987	621	603	549	398	297	115
1988	649	627	386	282	243	137
1989	985	957	815	606	506	247
1990	828	808	725	612	528	256

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	2260	2180	1880	996	798	366

0.0645161290322581	1880	1830	1600	920	728	341
0.0967741935483871	1310	1280	1140	887	697	337
0.129032258064516	1270	1230	1050	801	670	304
0.161290322580645	1250	1220	988	773	667	256
0.193548387096774	1140	1100	974	707	599	247
0.225806451612903	1130	1100	956	626	528	243
0.258064516129032	1130	1070	925	612	506	236
0.290322580645161	1100	957	815	606	482	228
0.32258064516129	985	910	793	582	453	217
0.354838709677419	935	890	769	527	425	198
0.387096774193548	929	883	763	485	422	192
0.419354838709677	916	808	725	467	402	190
0.451612903225806	828	746	662	460	376	189
0.483870967741936	768	736	593	453	374	182
0.516129032258065	761	715	574	416	360	174
0.548387096774194	715	687	550	398	338	164
0.580645161290323	687	660	549	392	325	163
0.612903225806452	649	627	538	390	297	148
0.645161290322581	643	627	514	367	277	139
0.67741935483871	634	608	509	335	277	137
0.709677419354839	621	603	482	329	274	137
0.741935483870968	591	572	478	301	263	127
0.774193548387097	588	570	403	294	252	125
0.806451612903226	554	538	401	282	246	122
0.838709677419355	473	457	386	280	243	121
0.870967741935484	470	456	334	278	228	115
0.903225806451613	389	377	324	266	223	103
0.935483870967742	301	293	262	211	183	88.65
0.967741935483871	295	287	259	210	181	85.2

0.1 1306 1275 1131 878.4 694.3 333.7

Average of yearly averages: 189.161666666667

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: NonagROW-ImpervGR2

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days		Half-life
Hydrolysis: pH 7	500	days		Half-life
Hydrolysis: pH 9	500	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	

Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-9 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as NonagROW-ResidGR2.out

Chemical: Diuron

PRZM environment: CAresidentialRLF.txt modified Tuesday, 20 February 2007 at 11:04:34

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	19.21	18.74	16.46	10.11	8.36	2.593
1962	46.59	44.73	38.46	30.61	27.68	16.11
1963	43.16	41.74	37.41	31.1	28.59	16.18
1964	30.5	29.71	25.84	20.52	17.96	11.53
1965	27.72	27.1	15.64	11.33	10.17	8.544
1966	26.32	25.62	22.86	19.95	17.64	11.4
1967	71.26	68.86	65.66	51.88	45.5	21.76
1968	25.21	24.39	21.52	17.8	16.5	11.27
1969	27.54	26.85	25.17	23.27	20.86	12.83
1970	27.86	27.16	25.25	20.44	18.12	11.94
1971	14.89	14.48	13.06	10.94	10.52	8.729
1972	22.2	21.51	19.17	18.2	17.11	9.141
1973	37.33	36.1	32.15	28.93	26.21	16.31
1974	31.9	30.93	27.82	22.67	20.36	12.29
1975	18.52	17.94	16.26	13.71	13.26	10.44
1976	29.24	18.49	11.37	9.826	9.269	8.117
1977	39.08	37.66	32.71	25.73	22.68	13.6
1978	29.24	28.4	25.52	24.87	23.87	14.18
1979	33.42	32.35	29.75	26.83	24.77	14.85
1980	33.37	32.28	28.75	26.59	25.54	14.53
1981	28.54	24.94	21.34	17.3	15.53	11.71
1982	104	100	86.74	69.79	61.6	30.65
1983	38.89	37.69	34.67	30.27	28.47	15.61
1984	23.04	22.28	19.59	15.7	13.82	10.27
1985	16.84	16.26	14.24	11.95	11.21	9.428
1986	31.53	30.48	27.35	25.33	22.59	13.04
1987	17.47	16.89	15.19	12.33	11.65	9.35
1988	17.34	16.77	13.3	10.8	10.01	8.737
1989	15.19	14.73	13.08	10.61	9.583	8.191
1990	13.5	13.09	12.14	10.12	9.966	8.722

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	104	100	86.74	69.79	61.6	30.65
0.0645161290322581		71.26	68.86	65.66	51.88	45.5
0.0967741935483871		46.59	44.73	38.46	31.1	28.59
0.129032258064516	43.16	41.74	37.41	30.61	28.47	16.18
0.161290322580645	39.08	37.69	34.67	30.27	27.68	16.11
0.193548387096774	38.89	37.66	32.71	28.93	26.21	15.61
0.225806451612903	37.33	36.1	32.15	26.83	25.54	14.85
0.258064516129032	33.42	32.35	29.75	26.59	24.77	14.53
0.290322580645161	33.37	32.28	28.75	25.73	23.87	14.18
0.32258064516129	31.9	30.93	27.82	25.33	22.68	13.6
0.354838709677419	31.53	30.48	27.35	24.87	22.59	13.04
0.387096774193548	30.5	29.71	25.84	23.27	20.86	12.83
0.419354838709677	29.24	28.4	25.52	22.67	20.36	12.29
0.451612903225806	29.24	27.16	25.25	20.52	18.12	11.94
0.483870967741936	28.54	27.1	25.17	20.44	17.96	11.71
0.516129032258065	27.86	26.85	22.86	19.95	17.64	11.53
0.548387096774194	27.72	25.62	21.52	18.2	17.11	11.4
0.580645161290323	27.54	24.94	21.34	17.8	16.5	11.27
0.612903225806452	26.32	24.39	19.59	17.3	15.53	10.44
0.645161290322581	25.21	22.28	19.17	15.7	13.82	10.27
0.67741935483871	23.04	21.51	16.46	13.71	13.26	9.428
0.709677419354839	22.2	18.74	16.26	12.33	11.65	9.35
0.741935483870968	19.21	18.49	15.64	11.95	11.21	9.141
0.774193548387097	18.52	17.94	15.19	11.33	10.52	8.737
0.806451612903226	17.47	16.89	14.24	10.94	10.17	8.729
0.838709677419355	17.34	16.77	13.3	10.8	10.01	8.722
0.870967741935484	16.84	16.26	13.08	10.61	9.966	8.544
0.903225806451613	15.19	14.73	13.06	10.12	9.583	8.191
0.935483870967742	14.89	14.48	12.14	10.11	9.269	8.117
0.967741935483871	13.5	13.09	11.37	9.826	8.36	2.593
0.1	46.247	44.431	38.355	31.051	28.578	16.297
Average of yearly averages:						12.4017333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: NonagROW-ResidGR2

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.		henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life
Hydrolysis: pH 7	500	days			Half-life

Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-9 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as Loganberry2.out

Chemical: Diuron

PRZM environment: ORberriesOP.txt modified Thuday, 14 June 2007 at 09:22:40

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w24232.dvf modified Tuesday, 26 August 2008 at 05:15:54

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.342	1.287	1.101	0.9769	0.8451	0.423
1962	2.447	2.368	2.143	1.777	1.678	1.102
1963	5.211	5.022	4.379	3.358	2.936	1.63
1964	3.502	3.421	2.61	1.736	1.202	0.8266
1965	3.048	2.966	2.653	2.205	1.938	1.423
1966	3.587	3.511	3.232	2.356	1.776	1.309
1967	2.571	2.514	2.253	2.013	1.803	1.285
1968	2.581	2.529	2.299	1.952	1.867	1.419
1969	3.291	3.187	2.839	2.596	2.45	1.398
1970	2.443	2.377	2.216	1.891	1.68	1.203
1971	8.247	7.973	7	5.473	4.667	2.428
1972	2.447	2.369	2.09	1.907	1.756	1.039
1973	3.541	3.438	3.149	2.455	1.797	1.146
1974	3.977	3.892	3.45	2.809	1.939	1.251
1975	2.668	2.626	2.418	2.073	1.848	1.271
1976	1.987	1.922	1.691	1.331	1.137	0.644
1977	2.29	2.225	2.023	1.477	1.124	0.6043
1978	2.628	2.539	2.231	1.794	1.724	1.07
1979	2.661	2.589	2.36	2.105	1.855	1.073
1980	3.897	3.769	3.375	2.695	2.333	1.375
1981	3.297	3.195	2.828	2.415	2.367	1.811
1982	2.713	2.639	2.375	2.053	1.765	1.124
1983	2.015	1.946	1.73	1.37	1.168	0.8778
1984	3.499	3.377	2.95	2.53	2.275	1.2
1985	2.926	2.841	2.464	1.827	1.504	1.109
1986	2.073	2.004	1.761	1.423	1.233	0.8872
1987	5.346	5.158	4.684	2.554	1.891	1.315
1988	3.773	3.686	3.561	3.037	2.686	1.501
1989	4.421	4.264	3.717	2.425	1.784	0.9909

1990 3.559 3.502 3.189 2.89 2.601 1.676

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	8.247	7.973	7	5.473	4.667	2.428
0.0645161290322581		5.346	5.158	4.684	3.358	2.936
0.0967741935483871		5.211	5.022	4.379	3.037	2.686
0.129032258064516	4.421	4.264	3.717	2.89	2.601	1.63
0.161290322580645	3.977	3.892	3.561	2.809	2.45	1.501
0.193548387096774	3.897	3.769	3.45	2.695	2.367	1.423
0.225806451612903	3.773	3.686	3.375	2.596	2.333	1.419
0.258064516129032	3.587	3.511	3.232	2.554	2.275	1.398
0.290322580645161	3.559	3.502	3.189	2.53	1.939	1.375
0.32258064516129	3.541	3.438	3.149	2.455	1.938	1.315
0.354838709677419	3.502	3.421	2.95	2.425	1.891	1.309
0.387096774193548	3.499	3.377	2.839	2.415	1.867	1.285
0.419354838709677	3.297	3.195	2.828	2.356	1.855	1.271
0.451612903225806	3.291	3.187	2.653	2.205	1.848	1.251
0.483870967741936	3.048	2.966	2.61	2.105	1.803	1.203
0.516129032258065	2.926	2.841	2.464	2.073	1.797	1.2
0.548387096774194	2.713	2.639	2.418	2.053	1.784	1.146
0.580645161290323	2.668	2.626	2.375	2.013	1.776	1.124
0.612903225806452	2.661	2.589	2.36	1.952	1.765	1.109
0.645161290322581	2.628	2.539	2.299	1.907	1.756	1.102
0.67741935483871	2.581	2.529	2.253	1.891	1.724	1.073
0.709677419354839	2.571	2.514	2.231	1.827	1.68	1.07
0.741935483870968	2.447	2.377	2.216	1.794	1.678	1.039
0.774193548387097	2.447	2.369	2.143	1.777	1.504	0.9909
0.806451612903226	2.443	2.368	2.09	1.736	1.233	0.8872
0.838709677419355	2.29	2.225	2.023	1.477	1.202	0.8778
0.870967741935484	2.073	2.004	1.761	1.423	1.168	0.8266
0.903225806451613	2.015	1.946	1.73	1.37	1.137	0.644
0.935483870967742	1.987	1.922	1.691	1.331	1.124	0.6043
0.967741935483871	1.342	1.287	1.101	0.9769	0.8451	0.423
0.1	5.132	4.9462	4.3128	3.0223	2.6775	1.6714
Average of yearly averages:						1.21372666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Loganberry2

Metfile: w24232.dvf

PRZM scenario: ORberriesOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		233.1	g/mol	
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Henry's Law Const.	henry		2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr		6.9E-8	torr	
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
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Aerobic Soil Metabolism	asm	372	days		Halfife
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Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.69 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-4 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)

stored as Filbert2.out

Chemical: Diuron

PRZM environment: CAalmond_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:35

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.985	4.764	4.649	3.894	3.247	1.849
1962	14.62	14.19	12.92	10.04	8.464	3.87
1963	20.31	19.5	16.9	13.02	11.17	4.881
1964	19.37	18.88	16.28	12.39	10.52	4.611
1965	4.18	4.007	3.927	3.43	2.95	1.321
1966	4.806	4.607	4.465	3.867	3.29	1.762
1967	24.84	23.88	21.89	16.93	14.4	6.007
1968	5.393	5.191	4.558	3.874	3.298	2.051
1969	11.38	11.07	10.44	8.757	7.519	3.526
1970	4.639	4.439	4.288	3.656	3.127	1.733
1971	4.787	4.58	4.469	3.844	3.242	1.421
1972	4.587	4.392	4.299	3.706	3.152	1.541
1973	9.048	8.701	7.595	6.801	6.125	3.121
1974	3.886	3.721	3.487	3.136	2.73	1.351
1975	4.659	4.458	4.296	3.688	3.132	1.57
1976	6.049	5.874	5.626	4.557	3.804	1.55
1977	5.786	5.537	5.438	4.552	3.853	1.617
1978	9.673	9.326	8.207	7.015	6.255	3.188
1979	4.957	4.746	4.617	3.956	3.363	1.886
1980	5.511	5.372	4.733	4.191	3.596	2.189
1981	9.308	8.957	7.819	6.1	5.299	2.797
1982	4.384	4.214	4.017	3.725	3.276	1.968
1983	5.351	5.162	4.668	4.054	3.464	2.193
1984	4.298	4.108	4.05	3.446	2.918	1.258
1985	4.782	4.587	4.467	3.798	3.218	1.65
1986	9.238	8.883	7.733	5.891	5.021	2.758
1987	4.778	4.577	4.464	3.858	3.295	1.855
1988	4.878	4.68	4.51	3.767	3.169	1.716

1989	4.734	4.532	4.432	3.764	3.181	1.437
1990	4.651	4.451	4.382	3.78	3.197	1.805

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129		24.84	23.88	21.89	16.93	14.4 6.007
0.0645161290322581			20.31	19.5	16.9	13.02 11.17 4.881
0.0967741935483871			19.37	18.88	16.28	12.39 10.52 4.611
0.129032258064516		14.62	14.19	12.92	10.04	8.464 3.87
0.161290322580645		11.38	11.07	10.44	8.757	7.519 3.526
0.193548387096774		9.673	9.326	8.207	7.015	6.255 3.188
0.225806451612903		9.308	8.957	7.819	6.801	6.125 3.121
0.258064516129032		9.238	8.883	7.733	6.1	5.299 2.797
0.290322580645161		9.048	8.701	7.595	5.891	5.021 2.758
0.32258064516129		6.049	5.874	5.626	4.557	3.853 2.193
0.354838709677419		5.786	5.537	5.438	4.552	3.804 2.189
0.387096774193548		5.511	5.372	4.733	4.191	3.596 2.051
0.419354838709677		5.393	5.191	4.668	4.054	3.464 1.968
0.451612903225806		5.351	5.162	4.649	3.956	3.363 1.886
0.483870967741936		4.985	4.764	4.617	3.894	3.298 1.855
0.516129032258065		4.957	4.746	4.558	3.874	3.295 1.849
0.548387096774194		4.878	4.68	4.51	3.867	3.29 1.805
0.580645161290323		4.806	4.607	4.469	3.858	3.276 1.762
0.612903225806452		4.787	4.587	4.467	3.844	3.247 1.733
0.645161290322581		4.782	4.58	4.465	3.798	3.242 1.716
0.67741935483871		4.778	4.577	4.464	3.78	3.218 1.65
0.709677419354839		4.734	4.532	4.432	3.767	3.197 1.617
0.741935483870968		4.659	4.458	4.382	3.764	3.181 1.57
0.774193548387097		4.651	4.451	4.299	3.725	3.169 1.55
0.806451612903226		4.639	4.439	4.296	3.706	3.152 1.541
0.838709677419355		4.587	4.392	4.288	3.688	3.132 1.437
0.870967741935484		4.384	4.214	4.05	3.656	3.127 1.421
0.903225806451613		4.298	4.108	4.017	3.446	2.95 1.351
0.935483870967742		4.18	4.007	3.927	3.43	2.918 1.321
0.967741935483871		3.886	3.721	3.487	3.136	2.73 1.258

0.1	18.895	18.411	15.944	12.155	10.3144	4.5369
Average of yearly averages:					2.3494	

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Filbert2

Metfile: w23232.dvf

PRZM scenario: CAalmond_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol		
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Henry's Law Const.	henry	2.2E-10		atm-m^3/mol	
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Vapor Pressure	vapr	6.9E-8	torr		
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days	Half-life	
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife	
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife	
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Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.47 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 16-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 150 days Set to 0 or delete line for single app.
 app. rate 1 apprate 2.47 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)

stored as Grass for Seed2.out

Chemical: Diuron

PRZM environment: CATurfRLF.txt modified Tuesday, 20 February 2007 at 11:03:48

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1.23	1.203	1.065	0.9454	0.8945	0.4034
1962	3.146	3.073	2.794	2.31	1.993	0.9974
1963	3.688	3.554	3.179	2.606	2.42	1.058
1964	3.077	3.003	2.602	1.992	1.69	0.68
1965	1.446	1.405	1.251	1.013	0.8674	0.3915
1966	1.508	1.476	1.376	1.21	1.095	0.4563
1967	7.321	7.06	6.73	5.308	4.656	1.871
1968	2.496	2.409	2.106	1.737	1.576	0.6832
1969	2.786	2.719	2.53	2.327	2.085	0.8766
1970	2.815	2.746	2.522	2.052	1.777	0.7246
1971	1.151	1.107	0.967	0.7486	0.7419	0.3607
1972	0.9513		0.9139	0.7849	0.6013	0.5089 0.2938
1973	3.764	3.628	3.198	2.902	2.607	1.093
1974	1.842	1.774	1.545	1.222	1.121	0.5171
1975	1.799	1.743	1.557	1.277	1.279	0.6169
1976	1.061	1.025	0.9078		0.7179	0.696 0.326
1977	2.511	2.413	2.073	1.584	1.409	0.5977
1978	2.97	2.874	2.581	2.514	2.398	1.06
1979	3.391	3.28	3.032	2.755	2.524	1.06
1980	2.385	2.306	2.245	1.943	1.867	0.8036
1981	2.48	2.388	2.09	1.659	1.465	0.6518
1982	9.53	9.166	7.904	6.357	5.617	2.435
1983	3.094	2.986	2.738	2.416	2.186	0.9354
1984	1.195	1.149	0.9872		0.7549	0.6395 0.2851
1985	1.494	1.442	1.26	1.055	0.9673	0.455

1986	3.19	3.069	2.737	2.51	2.186	0.9228	
1987	1.75	1.689	1.487	1.216	1.165	0.483	
1988	1.184	1.142	1.025	0.8824	0.7572	0.3504	
1989	1.063	1.021	0.8766	0.6842	0.6116	0.2678	
1990	1.047	1.012	0.94	0.855	0.7986	0.3394	

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	9.53	9.166	7.904	6.357	5.617	2.435
0.0645161290322581		7.321	7.06	6.73	5.308	4.656
0.0967741935483871		3.764	3.628	3.198	2.902	2.607
0.129032258064516	3.688	3.554	3.179	2.755	2.524	1.06
0.161290322580645	3.391	3.28	3.032	2.606	2.42	1.06
0.193548387096774	3.19	3.073	2.794	2.514	2.398	1.058
0.225806451612903	3.146	3.069	2.738	2.51	2.186	0.9974
0.258064516129032	3.094	3.003	2.737	2.416	2.186	0.9354
0.290322580645161	3.077	2.986	2.602	2.327	2.085	0.9228
0.32258064516129	2.97	2.874	2.581	2.31	1.993	0.8766
0.354838709677419	2.815	2.746	2.53	2.052	1.867	0.8036
0.387096774193548	2.786	2.719	2.522	1.992	1.777	0.7246
0.419354838709677	2.511	2.413	2.245	1.943	1.69	0.6832
0.451612903225806	2.496	2.409	2.106	1.737	1.576	0.68
0.483870967741936	2.48	2.388	2.09	1.659	1.465	0.6518
0.516129032258065	2.385	2.306	2.073	1.584	1.409	0.6169
0.548387096774194	1.842	1.774	1.557	1.277	1.279	0.5977
0.580645161290323	1.799	1.743	1.545	1.222	1.165	0.5171
0.612903225806452	1.75	1.689	1.487	1.216	1.121	0.483
0.645161290322581	1.508	1.476	1.376	1.21	1.095	0.4563
0.67741935483871	1.494	1.442	1.26	1.055	0.9673	0.455
0.709677419354839	1.446	1.405	1.251	1.013	0.8945	0.4034
0.741935483870968	1.23	1.203	1.065	0.9454	0.8674	0.3915
0.774193548387097	1.195	1.149	1.025	0.8824	0.7986	0.3607
0.806451612903226	1.184	1.142	0.9872	0.855	0.7572	0.3504
0.838709677419355	1.151	1.107	0.967	0.7549	0.7419	0.3394
0.870967741935484	1.063	1.025	0.94	0.7486	0.696	0.326
0.903225806451613	1.061	1.021	0.9078	0.7179	0.6395	0.2938
0.935483870967742	1.047	1.012	0.8766	0.6842	0.6116	0.2851
0.967741935483871	0.9513	0.9139	0.7849	0.6013	0.5089	0.2678

0.1	3.7564	3.6206	3.1961	2.8873	2.5987	1.0897
Average of yearly averages:						0.733216666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Grass for Seed2

Metfile: w23234.dvf

PRZM scenario: CATurfRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.	henry		2.2E-10	atm-m^3/mol	
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		

Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.80 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-mm
 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)

stored as Dewberry2.out

Chemical: Diuron

PRZM environment: ORberriesOP.txt modified Thuday, 14 June 2007 at 09:22:40

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w24232.dvf modified Tuesday, 26 August 2008 at 05:15:54

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.382	8.109	6.321	4.512	3.565	1.477
1962	13.79	13.34	12.1	9.839	9.149	4.848
1963	11.78	11.39	10.36	9.182	7.458	5.796
1964	15.95	15.57	11.68	7.715	5.803	4.212
1965	13.89	13.52	12.1	10.13	8.905	5.693
1966	14.65	14.34	13.23	10.25	9.047	5.725
1967	12.66	12.38	11.11	8.752	7.514	5.258
1968	14.4	14.1	12.85	11.15	10.58	7.05
1969	18.05	17.49	15.64	14.46	13.76	7.113
1970	13.84	13.52	12.71	10.97	9.755	6.063
1971	16.62	16.2	14	12.05	11.15	7.876
1972	12.95	12.54	8.952	6.705	6.017	4.367
1973	17.22	16.72	15.43	12.1	8.935	5.828
1974	17.91	17.54	15.58	12.77	8.905	5.521
1975	12.33	12.11	11.18	9.674	8.648	5.578
1976	7.212	7.049	6.8	5.8	5.216	2.869
1977	12.78	12.39	11.23	7.988	6.123	2.599
1978	10.04	9.842	9.183	7.614	6.694	4.386
1979	15.21	14.81	13.55	12.24	10.94	5.689
1980	20.85	20.17	16.48	10.36	7.373	5.637
1981	18.67	18.1	16.84	15.04	14.48	9.186
1982	13.36	13.15	12.15	10.39	9.284	5.479
1983	9.749	9.437	8.868	7.702	6.199	4.753
1984	13.48	13.27	12.45	11.19	8.712	5.249

1985	9.325	9.087	8.128	6.929	6.059	5.083
1986	9.357	9.093	8.067	5.911	4.584	3.523
1987	27.31	26.35	23.83	12.76	9.22	5.414
1988	19.82	19.38	18.56	15.96	14.12	7.363
1989	18.76	18.1	15.8	10.44	7.806	4.821
1990	15.27	15.02	13.69	12.51	11.24	6.916

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	27.31	26.35	23.83	15.96	14.48	9.186
0.0645161290322581		20.85	20.17	18.56	15.04	14.12 7.876
0.0967741935483871		19.82	19.38	16.84	14.46	13.76 7.363
0.129032258064516	18.76	18.1	16.48	12.77	11.24	7.113
0.161290322580645	18.67	18.1	15.8	12.76	11.15	7.05
0.193548387096774	18.05	17.54	15.64	12.51	10.94	6.916
0.225806451612903	17.91	17.49	15.58	12.24	10.58	6.063
0.258064516129032	17.22	16.72	15.43	12.1	9.755	5.828
0.290322580645161	16.62	16.2	14	12.05	9.284	5.796
0.32258064516129	15.95	15.57	13.69	11.19	9.22	5.725
0.354838709677419	15.27	15.02	13.55	11.15	9.149	5.693
0.387096774193548	15.21	14.81	13.23	10.97	9.047	5.689
0.419354838709677	14.65	14.34	12.85	10.44	8.935	5.637
0.451612903225806	14.4	14.1	12.71	10.39	8.905	5.578
0.483870967741936	13.89	13.52	12.45	10.36	8.905	5.521
0.516129032258065	13.84	13.52	12.15	10.25	8.712	5.479
0.548387096774194	13.79	13.34	12.1	10.13	8.648	5.414
0.580645161290323	13.48	13.27	12.1	9.839	7.806	5.258
0.612903225806452	13.36	13.15	11.68	9.674	7.514	5.249
0.645161290322581	12.95	12.54	11.23	9.182	7.458	5.083
0.67741935483871	12.78	12.39	11.18	8.752	7.373	4.848
0.709677419354839	12.66	12.38	11.11	7.988	6.694	4.821
0.741935483870968	12.33	12.11	10.36	7.715	6.199	4.753
0.774193548387097	11.78	11.39	9.183	7.702	6.123	4.386
0.806451612903226	10.04	9.842	8.952	7.614	6.059	4.367
0.838709677419355	9.749	9.437	8.868	6.929	6.017	4.212
0.870967741935484	9.357	9.093	8.128	6.705	5.803	3.523
0.903225806451613	9.325	9.087	8.067	5.911	5.216	2.869
0.935483870967742	8.382	8.109	6.8	5.8	4.584	2.599
0.967741935483871	7.212	7.049	6.321	4.512	3.565	1.477

0.1	19.714	19.252	16.804	14.291	13.508	7.338
Average of yearly averages:						5.37906666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Dewberry2

Metfile: w24232.dvf

PRZM scenario: ORberriesOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.		henry	2.2E-10		atm-m^3/mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		

Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.69 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-4 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 60 days Set to 0 or delete line for single app.
 app. rate 1 apprate 2.69 kg/ha
 Interval 2 interval 60 days Set to 0 or delete line for single app.
 app. rate 2 apprate 2.69 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)

stored as Cotton_AR2.out

Chemical: Diuron

PRZM environment: CACotton_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	14.23	13.89	12.94	9.942	8.369	2.791
1962	13.36	12.91	12.22	9.752	8.26	2.897
1963	14.25	13.78	12.82	10.02	8.556	3
1964	13.35	12.93	12.21	9.672	8.21	2.89
1965	13.37	12.92	12.1	9.686	8.26	2.918
1966	13.97	13.63	12.73	9.965	8.467	2.96
1967	13.52	13.18	12.33	9.807	8.248	2.833
1968	13.19	12.87	12.12	9.659	8.134	2.831
1969	12.98	12.64	12.05	9.627	8.151	2.862
1970	13.25	12.9	12	9.514	8.004	2.794
1971	14.53	14.05	13.18	10.5	8.821	3.041
1972	13.22	12.74	12.04	9.575	8.081	2.835
1973	12.78	12.3	11.59	9.15	7.747	2.743
1974	13.52	13.06	12.45	9.904	8.365	2.893
1975	14.06	13.61	12.74	10.18	8.662	3.037
1976	14.2	13.7	12.89	10.01	8.535	3.049
1977	13.92	13.43	12.46	9.81	8.209	2.866
1978	13.51	13.05	12.18	9.736	8.192	2.81
1979	12.74	12.42	11.6	9.308	7.847	2.704

1980	13.77	13.45	12.61	9.717	8.172	2.792
1981	13.66	13.27	12.24	9.593	7.986	2.723
1982	14.05	13.61	12.73	9.953	8.405	2.906
1983	14.16	13.68	12.81	10.02	8.502	2.923
1984	13.73	13.4	12.58	9.899	8.216	2.749
1985	12.51	12.16	11.31	8.919	7.438	2.568
1986	13.88	13.43	12.37	9.83	8.22	2.794
1987	13.92	13.38	12.58	10.25	8.801	3.041
1988	13.57	13.09	12.41	9.813	8.223	2.812
1989	14.02	13.54	12.54	9.793	8.208	2.855
1990	16.16	15.78	14.88	12.52	10.32	3.425

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	16.16	15.78	14.88	12.52	10.32	3.425
0.0645161290322581		14.53	14.05	13.18	10.5	8.821 3.049
0.0967741935483871		14.25	13.89	12.94	10.25	8.801 3.041
0.129032258064516	14.23	13.78	12.89	10.18	8.662	3.041
0.161290322580645	14.2	13.7	12.82	10.02	8.556	3.037
0.193548387096774	14.16	13.68	12.81	10.02	8.535	3
0.225806451612903	14.06	13.63	12.74	10.01	8.502	2.96
0.258064516129032	14.05	13.61	12.73	9.965	8.467	2.923
0.290322580645161	14.02	13.61	12.73	9.953	8.405	2.918
0.32258064516129	13.97	13.54	12.61	9.942	8.369	2.906
0.354838709677419	13.92	13.45	12.58	9.904	8.365	2.897
0.387096774193548	13.92	13.43	12.58	9.899	8.26	2.893
0.419354838709677	13.88	13.43	12.54	9.83	8.26	2.89
0.451612903225806	13.77	13.4	12.46	9.813	8.248	2.866
0.483870967741936	13.73	13.38	12.45	9.81	8.223	2.862
0.516129032258065	13.66	13.27	12.41	9.807	8.22	2.855
0.548387096774194	13.57	13.18	12.37	9.793	8.216	2.835
0.580645161290323	13.52	13.09	12.33	9.752	8.21	2.833
0.612903225806452	13.52	13.06	12.24	9.736	8.209	2.831
0.645161290322581	13.51	13.05	12.22	9.717	8.208	2.812
0.67741935483871	13.37	12.93	12.21	9.686	8.192	2.81
0.709677419354839	13.36	12.92	12.18	9.672	8.172	2.794
0.741935483870968	13.35	12.91	12.12	9.659	8.151	2.794
0.774193548387097	13.25	12.9	12.1	9.627	8.134	2.792
0.806451612903226	13.22	12.87	12.05	9.593	8.081	2.791
0.838709677419355	13.19	12.74	12.04	9.575	8.004	2.749
0.870967741935484	12.98	12.64	12	9.514	7.986	2.743
0.903225806451613	12.78	12.42	11.6	9.308	7.847	2.723
0.935483870967742	12.74	12.3	11.59	9.15	7.747	2.704
0.967741935483871	12.51	12.16	11.31	8.919	7.438	2.568

0.1	14.248	13.879	12.935	10.243	8.7871	3.041
Average of yearly averages:						2.87806666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Cotton_AR2

Metfile: w93193.dvf

PRZM scenario: CAcotton_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight mwt 233.1 g/mol
 Henry's Law Const. henry 2.2E-10 atm-m³/mol
 Vapor Pressure vapr 6.9E-8 torr
 Solubility sol 420 mg/L
 Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.80 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 5-5 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.8 kg/ha
 Interval 2 interval 21 days Set to 0 or delete line for single app.
 app. rate 2 apprate 1.8 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)

stored as Citrus2.out

Chemical: Diuron

PRZM environment: CAcitrus_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23155.dvf modified Tuesday, 26 August 2008 at 05:15:34

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.726	2.628	2.279	1.736	1.703	0.6861
1962	5.82	5.615	4.89	4.255	3.667	1.333
1963	4.063	3.915	3.393	3.062	2.786	1.099
1964	2.697	2.598	2.302	1.762	1.469	0.6423
1965	4.257	4.095	3.524	2.773	2.347	0.9261
1966	3.458	3.333	2.891	2.352	2.102	0.8228
1967	3.21	3.097	2.698	2.187	2.085	0.8475
1968	3.075	2.957	2.58	2.069	1.725	0.7105
1969	3.075	2.959	2.552	1.982	1.684	0.6949
1970	2.766	2.66	2.296	1.743	1.528	0.6348
1971	2.499	2.404	2.076	1.576	1.391	0.5856
1972	2.492	2.396	2.06	1.545	1.384	0.5698
1973	4.657	4.477	3.852	3.333	3.119	1.146
1974	8.816	8.454	7.195	5.323	4.376	1.514

1975	2.673	2.573	2.222	1.701	1.512	0.6341
1976	2.684	2.583	2.228	1.689	1.494	0.6222
1977	2.568	2.473	2.164	1.979	1.675	0.7198
1978	23.52	22.55	19.4	15.4	12.93	4.178
1979	2.58	2.483	2.143	1.619	1.48	0.6013
1980	2.666	2.569	2.323	1.791	1.504	0.6605
1981	2.736	2.634	2.276	2.001	1.734	0.7282
1982	2.528	2.433	2.136	1.951	1.675	0.7055
1983	6.879	6.62	5.694	4.944	4.388	1.612
1984	2.5	2.406	2.077	1.578	1.393	0.5888
1985	2.511	2.419	2.097	1.606	1.412	0.5924
1986	2.473	2.379	2.176	1.662	1.417	0.6058
1987	6.404	6.152	5.28	4.102	3.867	1.395
1988	3.112	2.992	2.601	1.966	1.624	0.6879
1989	2.807	2.702	2.338	1.763	1.589	0.6552
1990	2.529	2.434	2.099	1.602	1.426	0.5945

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	23.52	22.55	19.4	15.4	12.93 4.178
0.0645161290322581		8.816	8.454	7.195	5.323 4.388 1.612
0.0967741935483871		6.879	6.62	5.694	4.944 4.376 1.514
0.129032258064516	6.404	6.152	5.28	4.255	3.867 1.395
0.161290322580645	5.82	5.615	4.89	4.102	3.667 1.333
0.193548387096774	4.657	4.477	3.852	3.333	3.119 1.146
0.225806451612903	4.257	4.095	3.524	3.062	2.786 1.099
0.258064516129032	4.063	3.915	3.393	2.773	2.347 0.9261
0.290322580645161	3.458	3.333	2.891	2.352	2.102 0.8475
0.32258064516129	3.21	3.097	2.698	2.187	2.085 0.8228
0.354838709677419	3.112	2.992	2.601	2.069	1.734 0.7282
0.387096774193548	3.075	2.959	2.58	2.001	1.725 0.7198
0.419354838709677	3.075	2.957	2.552	1.982	1.703 0.7105
0.451612903225806	2.807	2.702	2.338	1.979	1.684 0.7055
0.483870967741936	2.766	2.66	2.323	1.966	1.675 0.6949
0.516129032258065	2.736	2.634	2.302	1.951	1.675 0.6879
0.548387096774194	2.726	2.628	2.296	1.791	1.624 0.6861
0.580645161290323	2.697	2.598	2.279	1.763	1.589 0.6605
0.612903225806452	2.684	2.583	2.276	1.762	1.528 0.6552
0.645161290322581	2.673	2.573	2.228	1.743	1.512 0.6423
0.67741935483871	2.666	2.569	2.222	1.736	1.504 0.6348
0.709677419354839	2.58	2.483	2.176	1.701	1.494 0.6341
0.741935483870968	2.568	2.473	2.164	1.689	1.48 0.6222
0.774193548387097	2.529	2.434	2.143	1.662	1.469 0.6058
0.806451612903226	2.528	2.433	2.136	1.619	1.426 0.6013
0.838709677419355	2.511	2.419	2.099	1.606	1.417 0.5945
0.870967741935484	2.5	2.406	2.097	1.602	1.412 0.5924
0.903225806451613	2.499	2.404	2.077	1.578	1.393 0.5888
0.935483870967742	2.492	2.396	2.076	1.576	1.391 0.5856
0.967741935483871	2.473	2.379	2.06	1.545	1.384 0.5698

0.1	6.8315	6.5732	5.6526	4.8751	4.3251	1.5021
Average of yearly averages:						0.9264533333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:
Output File: Citrus2

Metfile: w23155.dvf

PRZM scenario: CAcitrus_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr	6.9E-8	torr	
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Solubility	sol	420	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	920	mg/L	
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Photolysis half-life	kdp	43	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
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Aerobic Soil Metabolism	asm	372	days	Halfife
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Hydrolysis: pH 5	500	days	Half-life	
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Hydrolysis: pH 7	500	days	Half-life	
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Hydrolysis: pH 9	500	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	3.59	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	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	60	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	3.59	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)

stored as Blackberry2.out

Chemical: Diuron

PRZM environment: ORberriesOP.txt modified Thuday, 14 June 2007 at 09:22:40

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w24232.dvf modified Tuesday, 26 August 2008 at 05:15:54

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	59.32	57.38	43.76	35.44	33.11	19.96
1962	83.17	80.37	73.71	57.03	50.45	34.55
1963	109	106	95.14	81.31	72.16	49.97
1964	119	116	82.41	62.93	57.52	34.37
1965	117	115	105	95.54	87.17	46.86
1966	120	118	107	88.25	85.84	49.62
1967	99.38	97.53	88.5	75.72	70.84	41.1
1968	102	100	91.49	79.65	75.61	52.66
1969	107	105	101	82.28	72.59	50.1
1970	119	116	107	103	97.22	52.2
1971	81.68	79.41	75.36	67.35	64.15	45.18
1972	92.19	89.31	75.63	66.44	62.23	35.82

1973	114	111	104	85.75	64.6	42.27
1974	115	113	105	94.36	89.97	54.06
1975	82.21	80.14	72.88	69.45	66.41	40.08
1976	68.23	66.49	62.17	54.85	55.01	28.49
1977	101	97.77	87.66	56.29	41.56	17.79
1978	90.95	88.45	81.31	70.94	63.51	34.76
1979	77.61	75.41	70.17	63.95	57.11	37.67
1980	155	150	119	71.74	61.88	40.15
1981	140	136	121	102	91.94	60.34
1982	104	102	95.11	93.19	88.07	46.55
1983	85.56	84.45	80.56	75.54	72.83	45.53
1984	82.28	79.93	72.98	68.56	52.1	36.22
1985	60.01	58.7	53.89	50.41	48.24	32.8
1986	64.34	62.74	59.46	50.05	45.72	28.56
1987	167	161	145	77.13	55.35	38.73
1988	137	134	126	109	97.99	48.79
1989	131	126	110	69.49	51.53	36.44
1990	118	116	111	104	96.44	51.83

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	167	161	145	109	97.99	60.34
0.0645161290322581		155	150	126	104	97.22 54.06
0.0967741935483871		140	136	121	103	96.44 52.66
0.129032258064516	137	134	119	102	91.94	52.2
0.161290322580645	131	126	111	95.54	89.97	51.83
0.193548387096774	120	118	110	94.36	88.07	50.1
0.225806451612903	119	116	107	93.19	87.17	49.97
0.258064516129032	119	116	107	88.25	85.84	49.62
0.290322580645161	118	116	105	85.75	75.61	48.79
0.32258064516129	117	115	105	82.28	72.83	46.86
0.354838709677419	115	113	104	81.31	72.59	46.55
0.387096774193548	114	111	101	79.65	72.16	45.53
0.419354838709677	109	106	95.14	77.13	70.84	45.18
0.451612903225806	107	105	95.11	75.72	66.41	42.27
0.483870967741936	104	102	91.49	75.54	64.6	41.1
0.516129032258065	102	100	88.5	71.74	64.15	40.15
0.548387096774194	101	97.77	87.66	70.94	63.51	40.08
0.580645161290323	99.38	97.53	82.41	69.49	62.23	38.73
0.612903225806452	92.19	89.31	81.31	69.45	61.88	37.67
0.645161290322581	90.95	88.45	80.56	68.56	57.52	36.44
0.67741935483871	85.56	84.45	75.63	67.35	57.11	36.22
0.709677419354839	83.17	80.37	75.36	66.44	55.35	35.82
0.741935483870968	82.28	80.14	73.71	63.95	55.01	34.76
0.774193548387097	82.21	79.93	72.98	62.93	52.1	34.55
0.806451612903226	81.68	79.41	72.88	57.03	51.53	34.37
0.838709677419355	77.61	75.41	70.17	56.29	50.45	32.8
0.870967741935484	68.23	66.49	62.17	54.85	48.24	28.56
0.903225806451613	64.34	62.74	59.46	50.41	45.72	28.49
0.935483870967742	60.01	58.7	53.89	50.05	41.56	19.96
0.967741935483871	59.32	57.38	43.76	35.44	33.11	17.79

0.1 139.7 135.8 120.8 102.9 95.99 52.614

Average of yearly averages: 41.115

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Blackberry2

Metfile: w24232.dvf

PRZM scenario: ORberriesOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
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Vapor Pressure	vapr	6.9E-8	torr	
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Solubility	sol	420	mg/L	
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Kd	Kd		mg/L	
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Koc	Koc	920	mg/L	
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Photolysis half-life	kdp	43	days	Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
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Aerobic Soil Metabolism	asm	372	days	Halfife
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Hydrolysis: pH 5	500	days	Half-life	
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Hydrolysis: pH 7	500	days	Half-life	
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Hydrolysis: pH 9	500	days	Half-life	
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Method:	CAM	1	integer	See PRZM manual
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Incorporation Depth:	DEPI		cm	
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Application Rate:	TAPP	2.69	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	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
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Interval 1	interval	21	days	Set to 0 or delete line for single app.
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app. rate 1	apprate	2.69	kg/ha	
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Interval 2	interval	21	days	Set to 0 or delete line for single app.
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app. rate 2	apprate	2.69	kg/ha	
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Interval 3	interval	21	days	Set to 0 or delete line for single app.
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app. rate 3	apprate	2.69	kg/ha	
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Interval 4	interval	21	days	Set to 0 or delete line for single app.
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app. rate 4	apprate	2.69	kg/ha	
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Interval 5	interval	21	days	Set to 0 or delete line for single app.
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app. rate 5	apprate	2.69	kg/ha	
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Interval 6	interval	21	days	Set to 0 or delete line for single app.
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app. rate 6	apprate	2.69	kg/ha	
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Interval 7	interval	21	days	Set to 0 or delete line for single app.
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app. rate 7	apprate	2.69	kg/ha	
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Interval 8	interval	21	days	Set to 0 or delete line for single app.
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app. rate 8	apprate	2.69	kg/ha	
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Interval 9	interval	21	days	Set to 0 or delete line for single app.
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app. rate 9	apprate	2.69	kg/ha	
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Interval 10	interval	21	days	Set to 0 or delete line for single app.
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app. rate 10	apprate	2.69	kg/ha	
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Interval 11	interval	21	days	Set to 0 or delete line for single app.
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app. rate 11	apprate	2.69	kg/ha	
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Interval 12	interval	21	days	Set to 0 or delete line for single app.
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app. rate 12	apprate	2.69	kg/ha	
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Interval 13	interval	21	days	Set to 0 or delete line for single app.
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app. rate 13	apprate	2.69	kg/ha	
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Interval 14	interval	21	days	Set to 0 or delete line for single app.
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app. rate 14	apprate	2.69	kg/ha	
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Interval 15	interval	21	days	Set to 0 or delete line for single app.
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app. rate 15	apprate	2.69	kg/ha	
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Interval 16	interval	21	days	Set to 0 or delete line for single app.
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app. rate 16 apprate 2.69 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)

stored as Banana2.out

Chemical: Diuron

PRZM environment: CAAvocadoRLF_V2.txt modified Wedday, 26 March 2008 at
08:28:12

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23188.dvf modified Tuesday, 26 August 2008 at 05:15:37

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	9.91	9.499	8.57	7.311	6.188	2.435
1962	32.57	31.42	27.34	25.39	22.43	8.265
1963	6.238	5.993	5.133	4.663	4.161	2.433
1964	9.067	8.733	7.556	6.961	6.107	2.366
1965	13.77	13.29	11.44	8.919	8.062	3.635
1966	9.172	8.841	7.703	6.387	5.462	3.01
1967	34.57	33.45	28.79	22.81	19.26	7.299
1968	37.65	36.07	30.58	22.53	18.55	6.621
1969	61.11	58.53	50.48	43.48	38.04	13.56
1970	51.9	49.82	42.93	31.83	26.34	9.29
1971	20.03	19.23	16.45	12.5	10.99	4.48
1972	7.399	7.109	6.387	4.71	3.173	1.923
1973	7.858	7.593	6.984	6.125	5.835	2.618
1974	16.99	16.3	14.17	11.51	10.61	4.339
1975	37.67	36.14	32.28	25.07	21.08	7.851
1976	18.99	18.22	16.04	13.32	12.01	4.742
1977	28.29	27.12	23.05	16.97	13.86	8.52
1978	32.19	31.42	27.17	22.12	19.69	7.056
1979	31.68	30.46	27.23	22.16	19.91	7.547
1980	27.23	26.19	22.8	19.64	17.5	6.668
1981	40.88	39.22	34.89	26.34	21.86	7.555
1982	54.47	52.19	44.41	32.89	27.24	9.772
1983	26.42	25.45	21.81	16.59	14.36	5.4
1984	4.007	3.851	3.301	2.459	2.334	1.054
1985	32.11	30.82	26.57	19.02	12.72	4.644
1986	58.05	55.76	47.73	38.61	33.02	13.14
1987	11.24	10.79	9.223	8.009	7.491	3.338
1988	34.89	33.46	28.57	21.24	17.48	8.109
1989	6.063	5.805	4.359	3.76	3.491	1.66
1990	12.96	12.51	10.95	9.985	9.131	3.503

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	61.11	58.53	50.48	43.48	38.04	13.56
0.0645161290322581		58.05	55.76	47.73	38.61	33.02
0.0967741935483871		54.47	52.19	44.41	32.89	27.24

0.129032258064516	51.9	49.82	42.93	31.83	26.34	9.29
0.161290322580645	40.88	39.22	34.89	26.34	22.43	8.52
0.193548387096774	37.67	36.14	32.28	25.39	21.86	8.265
0.225806451612903	37.65	36.07	30.58	25.07	21.08	8.109
0.258064516129032	34.89	33.46	28.79	22.81	19.91	7.851
0.290322580645161	34.57	33.45	28.57	22.53	19.69	7.555
0.32258064516129	32.57	31.42	27.34	22.16	19.26	7.547
0.354838709677419	32.19	31.42	27.23	22.12	18.55	7.299
0.387096774193548	32.11	30.82	27.17	21.24	17.5	7.056
0.419354838709677	31.68	30.46	26.57	19.64	17.48	6.668
0.451612903225806	28.29	27.12	23.05	19.02	14.36	6.621
0.483870967741936	27.23	26.19	22.8	16.97	13.86	5.4
0.516129032258065	26.42	25.45	21.81	16.59	12.72	4.742
0.548387096774194	20.03	19.23	16.45	13.32	12.01	4.644
0.580645161290323	18.99	18.22	16.04	12.5	10.99	4.48
0.612903225806452	16.99	16.3	14.17	11.51	10.61	4.339
0.645161290322581	13.77	13.29	11.44	9.985	9.131	3.635
0.67741935483871	12.96	12.51	10.95	8.919	8.062	3.503
0.709677419354839	11.24	10.79	9.223	8.009	7.491	3.338
0.741935483870968	9.91	9.499	8.57	7.311	6.188	3.01
0.774193548387097	9.172	8.841	7.703	6.961	6.107	2.618
0.806451612903226	9.067	8.733	7.556	6.387	5.835	2.435
0.838709677419355	7.858	7.593	6.984	6.125	5.462	2.433
0.870967741935484	7.399	7.109	6.387	4.71	4.161	2.366
0.903225806451613	6.238	5.993	5.133	4.663	3.491	1.923
0.935483870967742	6.063	5.805	4.359	3.76	3.173	1.66
0.967741935483871	4.007	3.851	3.301	2.459	2.334	1.054

0.1	54.213	51.953	44.262	32.784	27.15	9.7238
Average of yearly averages:						5.7611

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Banana2

Metfile: w23188.dvf

PRZM scenario: CAAvocadoRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days		Half-life
Hydrolysis: pH 7	500	days		Half-life
Hydrolysis: pH 9	500	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	5.39	kg/ha	
Application Efficiency:	APPEFF	0.99		fraction

Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 42 days Set to 0 or delete line for single app.
 app. rate 1 apprate 5.39 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)

stored as Artichoke2.out

Chemical: Diuron

PRZM environment: CARowCropRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:52

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.88	17.28	15.12	8.373	5.779	2.41
1962	77.07	73.84	62.68	47.2	39.18	14.26
1963	28.73	28.06	25.56	24.13	21.7	10.58
1964	10.82	10.52	9.177	7.57	6.378	4.22
1965	15.84	15.38	9.282	7.27	6.287	4.471
1966	19.57	19.09	17.39	11.7	9.213	6.345
1967	24.14	23.56	21.61	17.11	16.73	9.417
1968	11.11	10.73	7.619	5.756	5.521	3.745
1969	11.9	11.71	10.78	9.496	8.678	6.095
1970	21.06	20.39	18.68	10.79	8.723	5.998
1971	14.83	14.4	12.87	10.37	9.054	4.6
1972	32.36	31.49	27.58	25.19	21.34	6.452
1973	22	21.19	18.39	14.12	12.24	8.327
1974	17.22	16.72	15.24	12.29	10.71	6.385
1975	10.88	10.51	9.188	7.247	6.253	3.813
1976	20.28	10.39	3.725	3.283	2.982	1.786
1977	25.04	24.07	20.8	15.95	13.73	7.433
1978	14.1	13.84	12.93	11.12	9.763	5.256
1979	22.87	22.02	11.89	9.465	8.182	5.401
1980	19.84	19.21	18.32	15.27	13.35	6.476
1981	27.53	26.46	22.83	17.53	12.48	6.458
1982	37.29	36.02	31.58	25.19	21.89	12.39
1983	20.33	19.73	17.64	15.55	13.6	7.705
1984	19.38	18.62	16.8	13.09	9.75	6.132
1985	10.94	10.54	9.631	8.317	7.502	4.767
1986	8.91	8.623	7.599	6.947	6.631	3.635
1987	10.53	10.12	8.884	4.614	4.409	3.105
1988	10.39	10	8.83	7.271	6.366	4.111
1989	8.953	8.65	7.58	5.973	5.177	3.975
1990	7.373	7.121	6.215	5.074	4.791	3.151

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
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0.032258064516129	77.07	73.84	62.68	47.2	39.18	14.26
0.0645161290322581		37.29	36.02	31.58	25.19	21.89
0.0967741935483871		32.36	31.49	27.58	25.19	21.7
0.129032258064516	28.73	28.06	25.56	24.13	21.34	9.417
0.161290322580645	27.53	26.46	22.83	17.53	16.73	8.327
0.193548387096774	25.04	24.07	21.61	17.11	13.73	7.705
0.225806451612903	24.14	23.56	20.8	15.95	13.6	7.433
0.258064516129032	22.87	22.02	18.68	15.55	13.35	6.476
0.290322580645161	22	21.19	18.39	15.27	12.48	6.458
0.32258064516129	21.06	20.39	18.32	14.12	12.24	6.452
0.354838709677419	20.33	19.73	17.64	13.09	10.71	6.385
0.387096774193548	20.28	19.21	17.39	12.29	9.763	6.345
0.419354838709677	19.84	19.09	16.8	11.7	9.75	6.132
0.451612903225806	19.57	18.62	15.24	11.12	9.213	6.095
0.483870967741936	19.38	17.28	15.12	10.79	9.054	5.998
0.516129032258065	17.88	16.72	12.93	10.37	8.723	5.401
0.548387096774194	17.22	15.38	12.87	9.496	8.678	5.256
0.580645161290323	15.84	14.4	11.89	9.465	8.182	4.767
0.612903225806452	14.83	13.84	10.78	8.373	7.502	4.6
0.645161290322581	14.1	11.71	9.631	8.317	6.631	4.471
0.67741935483871	11.9	10.73	9.282	7.57	6.378	4.22
0.709677419354839	11.11	10.54	9.188	7.271	6.366	4.111
0.741935483870968	10.94	10.52	9.177	7.27	6.287	3.975
0.774193548387097	10.88	10.51	8.884	7.247	6.253	3.813
0.806451612903226	10.82	10.39	8.83	6.947	5.779	3.745
0.838709677419355	10.53	10.12	7.619	5.973	5.521	3.635
0.870967741935484	10.39	10	7.599	5.756	5.177	3.151
0.903225806451613	8.953	8.65	7.58	5.074	4.791	3.105
0.935483870967742	8.91	8.623	6.215	4.614	4.409	2.41
0.967741935483871	7.373	7.121	3.725	3.283	2.982	1.786
0.1	31.997	31.147	27.378	25.084	21.664	10.4637
Average of yearly averages:						5.9633

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Artichoke2

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual

Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.59 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-4 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 3.59 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)

stored as Alfalfa-Ar2.out

Chemical: Diuron

PRZM environment: CAalfalfa_WirrigOP.txt modified Thuday, 14 June 2007 at 09:20:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	8.063	7.769	6.742	5.583	4.771	1.675
1962	13.62	13.3	11.77	9.151	8.092	2.928
1963	11.03	10.63	9.647	8.22	7.643	3.101
1964	6.815	6.546	5.687	4.339	3.673	1.309
1965	7.968	7.681	6.707	5.369	5.064	2.113
1966	6.789	6.521	5.716	4.454	3.758	1.297
1967	8.005	7.706	6.97	5.827	5.319	2.212
1968	6.773	6.504	5.623	4.492	4.116	1.539
1969	23.36	22.53	19.45	17.05	15.24	5.434
1970	12.15	11.66	9.977	8.296	7.488	2.668
1971	6.774	6.504	5.572	4.241	3.61	1.503
1972	6.775	6.51	5.625	4.552	3.839	1.324
1973	7.691	7.421	6.554	5.938	5.507	1.99
1974	6.76	6.488	5.549	4.266	3.761	1.372
1975	6.748	6.481	5.557	4.225	3.605	1.295
1976	13.7	13.19	11.42	8.943	7.832	2.862
1977	6.798	6.529	5.599	4.23	3.67	1.317
1978	12.63	12.24	10.96	9.429	8.786	3.256
1979	6.783	6.529	5.601	4.58	3.999	1.393
1980	12.4	11.97	10.73	8.78	8.297	3.045
1981	9.648	9.292	8.187	6.799	6.047	2.125
1982	6.751	6.485	5.564	4.288	4.201	1.673
1983	18.68	17.98	16.45	13.83	12.09	4.297
1984	6.791	6.518	5.574	4.546	3.86	1.339
1985	6.74	6.473	5.549	4.472	3.81	1.307
1986	12.52	12.05	10.6	8.948	8.025	2.881
1987	6.766	6.496	5.562	4.795	4.407	1.619
1988	6.824	6.635	5.714	4.453	3.832	1.578
1989	6.754	6.487	5.586	4.68	4.513	1.738
1990	6.797	6.526	5.658	4.594	3.897	1.467

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	23.36	22.53	19.45	17.05	15.24	5.434
0.0645161290322581		18.68	17.98	16.45	13.83	12.09
0.0967741935483871		13.7	13.3	11.77	9.429	8.786
0.129032258064516	13.62	13.19	11.42	9.151	8.297	3.101
0.161290322580645	12.63	12.24	10.96	8.948	8.092	3.045
0.193548387096774	12.52	12.05	10.73	8.943	8.025	2.928
0.225806451612903	12.4	11.97	10.6	8.78	7.832	2.881
0.258064516129032	12.15	11.66	9.977	8.296	7.643	2.862
0.290322580645161	11.03	10.63	9.647	8.22	7.488	2.668
0.32258064516129	9.648	9.292	8.187	6.799	6.047	2.212
0.354838709677419	8.063	7.769	6.97	5.938	5.507	2.125
0.387096774193548	8.005	7.706	6.742	5.827	5.319	2.113
0.419354838709677	7.968	7.681	6.707	5.583	5.064	1.99
0.451612903225806	7.691	7.421	6.554	5.369	4.771	1.738
0.483870967741936	6.824	6.635	5.716	4.795	4.513	1.675
0.516129032258065	6.815	6.546	5.714	4.68	4.407	1.673
0.548387096774194	6.798	6.529	5.687	4.594	4.201	1.619
0.580645161290323	6.797	6.529	5.658	4.58	4.116	1.578
0.612903225806452	6.791	6.526	5.625	4.552	3.999	1.539
0.645161290322581	6.789	6.521	5.623	4.546	3.897	1.503
0.67741935483871	6.783	6.518	5.601	4.492	3.86	1.467
0.709677419354839	6.775	6.51	5.599	4.472	3.839	1.393
0.741935483870968	6.774	6.504	5.586	4.454	3.832	1.372
0.774193548387097	6.773	6.504	5.574	4.453	3.81	1.339
0.806451612903226	6.766	6.496	5.572	4.339	3.761	1.324
0.838709677419355	6.76	6.488	5.564	4.288	3.758	1.317
0.870967741935484	6.754	6.487	5.562	4.266	3.673	1.309
0.903225806451613	6.751	6.485	5.557	4.241	3.67	1.307
0.935483870967742	6.748	6.481	5.549	4.23	3.61	1.297
0.967741935483871	6.74	6.473	5.549	4.225	3.605	1.295
0.1	13.692	13.289	11.735	9.4012	8.7371	3.2405
Average of yearly averages:						2.1219

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Alfalfa-Ar2

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
Molecular weight	mwt		233.1	g/mol	
Henry's Law Const.		henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr		6.9E-8	torr	
Solubility	sol	420	mg/L		
Kd	Kd		mg/L		
Koc	Koc	920	mg/L		
Photolysis half-life	kdp	43	days		Half-life
Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
Aerobic Soil Metabolism	asm	372	days		Halfife
Hydrolysis: pH 5	500	days			Half-life

Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 2.69 kg/ha
 Application Efficiency: APPEFF 0.95 fraction
 Spray Drift DRFT 0.05 fraction of application rate applied to pond
 Application Date Date 16-1 dd/mm or dd/mm or dd-mm or dd-mm
 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)

stored as AgROW2-Resid.out

Chemical: Diuron

PRZM environment: CAresidentialRLF.txt modified Tuesday, 20 February 2007 at 11:04:34

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	15.92	15.59	13.88	11.09	10.95	3.401
1962	80.21	76.97	66.04	50.62	43.05	18.75
1963	42.9	41.6	37.45	31.18	29.4	16.87
1964	25.41	24.75	21.55	17.14	15.01	10.94
1965	23.01	22.51	14.3	12.32	11.8	8.442
1966	21.89	21.33	19.1	16.72	14.81	10.75
1967	60.22	58.21	55.51	43.9	38.5	19.35
1968	21.25	20.56	18.14	15.02	13.84	10.66
1969	23.78	23.19	21.74	20.09	18.02	12.53
1970	24.53	23.71	21.72	17.63	15.63	11.94
1971	16.84	16.26	15.3	13.45	12.5	9.389
1972	36.75	35.35	31.75	28.55	25.32	10.7
1973	34.58	33.52	30.08	26.91	24.46	16.05
1974	27.27	26.48	23.91	19.57	17.56	11.43
1975	17.91	17.25	16.45	14.32	13.23	10
1976	24.28	15.55	13.78	11.92	11.03	7.846
1977	32.9	31.71	27.55	21.7	19.16	12.94
1978	26.57	25.82	23.28	22.5	21.59	13.72
1979	28.05	27.15	24.98	22.51	20.79	13.93
1980	28.46	27.55	24.6	22.73	21.84	13.53
1981	32.22	31.03	26.85	21.63	19.01	11.98
1982	89.21	85.93	74.53	60.09	53.03	28.19
1983	34.9	33.86	31.25	27.84	25.96	15.18
1984	24.17	23.33	21	17.29	16.75	10.74
1985	17.83	17.24	15.35	12.84	13.26	10.03
1986	27.08	26.11	23.38	21.74	19.39	12.37
1987	17.1	16.44	15.18	12.73	11.71	8.919
1988	16.33	15.71	14.79	12.43	11.52	8.323
1989	16.37	15.75	14.71	13.35	12.88	8.199

1990 16.67 16.02 15.13 13.42 12.43 8.804

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	89.21	85.93	74.53	60.09	53.03	28.19
0.0645161290322581		80.21	76.97	66.04	50.62	43.05
0.0967741935483871		60.22	58.21	55.51	43.9	38.5
0.129032258064516	42.9	41.6	37.45	31.18	29.4	16.87
0.161290322580645	36.75	35.35	31.75	28.55	25.96	16.05
0.193548387096774	34.9	33.86	31.25	27.84	25.32	15.18
0.225806451612903	34.58	33.52	30.08	26.91	24.46	13.93
0.258064516129032	32.9	31.71	27.55	22.73	21.84	13.72
0.290322580645161	32.22	31.03	26.85	22.51	21.59	13.53
0.32258064516129	28.46	27.55	24.98	22.5	20.79	12.94
0.354838709677419	28.05	27.15	24.6	21.74	19.39	12.53
0.387096774193548	27.27	26.48	23.91	21.7	19.16	12.37
0.419354838709677	27.08	26.11	23.38	21.63	19.01	11.98
0.451612903225806	26.57	25.82	23.28	20.09	18.02	11.94
0.483870967741936	25.41	24.75	21.74	19.57	17.56	11.43
0.516129032258065	24.53	23.71	21.72	17.63	16.75	10.94
0.548387096774194	24.28	23.33	21.55	17.29	15.63	10.75
0.580645161290323	24.17	23.19	21	17.14	15.01	10.74
0.612903225806452	23.78	22.51	19.1	16.72	14.81	10.7
0.645161290322581	23.01	21.33	18.14	15.02	13.84	10.66
0.67741935483871	21.89	20.56	16.45	14.32	13.26	10.03
0.709677419354839	21.25	17.25	15.35	13.45	13.23	10
0.741935483870968	17.91	17.24	15.3	13.42	12.88	9.389
0.774193548387097	17.83	16.44	15.18	13.35	12.5	8.919
0.806451612903226	17.1	16.26	15.13	12.84	12.43	8.804
0.838709677419355	16.84	16.02	14.79	12.73	11.8	8.442
0.870967741935484	16.67	15.75	14.71	12.43	11.71	8.323
0.903225806451613	16.37	15.71	14.3	12.32	11.52	8.199
0.935483870967742	16.33	15.59	13.88	11.92	11.03	7.846
0.967741935483871	15.92	15.55	13.78	11.09	10.95	3.401
0.1	58.488	56.549	53.704	42.628	37.59	18.562
Average of yearly averages:						12.1967666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROW2-Resid

Metfile: w23234.dvf

PRZM scenario: CAresidentialRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable	Name	Value	Units	Comments
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Molecular weight	mwt		233.1	g/mol	
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Henry's Law Const.	henry		2.2E-10		atm-m^3/mol
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Vapor Pressure	vapr		6.9E-8	torr	
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Solubility	sol	420	mg/L		
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Kd	Kd		mg/L		
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Koc	Koc	920	mg/L		
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Photolysis half-life	kdp	43	days		Half-life
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Aerobic Aquatic Metabolism	kbacw	99	days		Halfife
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Anaerobic Aquatic Metabolism	kbacs	15	days		Halfife
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Aerobic Soil Metabolism	asm	372	days		Halfife
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Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 13.47 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-9 dd/mm or dd/mm or dd-mm or dd-
 Interval 1 interval 21 days Set to 0 or delete line for single app.
 app. rate 1 apprate 13.47 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)

stored as Corn2.out

Chemical: Diuron

PRZM environment: CAcornOP.txt modified Thuday, 14 June 2007 at 09:21:10

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	7.202	6.923	5.959	3.093	2.092	0.5592
1962	25.46	24.37	20.6	15.41	12.43	4.519
1963	8.438	8.237	7.554	7.18	6.491	2.879
1964	3.914	3.787	3.123	2.855	2.083	1.227
1965	3.374	3.295	2.987	2.415	2.095	1.005
1966	6.175	6.011	5.605	4.399	2.972	1.158
1967	4.141	4.038	3.694	3.403	3.019	1.253
1968	2.287	2.195	1.888	1.588	1.396	0.8318
1969	4.081	3.927	2.339	1.626	1.459	0.777
1970	6.857	6.705	5.892	3.745	2.555	1.553
1971	4.156	4.047	3.649	2.99	2.614	1.074
1972	3.096	2.999	2.636	2.086	1.734	0.9025
1973	3.022	2.911	2.658	2.188	1.64	0.876
1974	1.883	1.841	1.686	1.395	1.221	0.6603
1975	1.744	1.69	1.5	1.408	1.305	0.6211
1976	0.4981		0.4747	0.3954	0.2814	0.2274 0.1696
1977	4.619	4.456	3.548	2.054	1.466	0.7469
1978	4.408	4.266	4.016	3.299	2.836	1.395
1979	3.643	3.571	3.224	2.697	2.397	1.278
1980	2.87	2.817	2.592	2.213	1.933	0.8638
1981	7.243	6.95	6.145	4.711	3.402	1.945
1982	4.021	3.927	3.651	3.031	2.655	1.632
1983	5.538	5.322	4.854	3.65	2.517	1.291
1984	3.495	3.401	3.055	2.483	2.152	0.9507
1985	4.366	4.209	3.97	2.299	1.57	0.6183
1986	2.961	2.878	2.661	2.236	1.946	0.756
1987	2.114	2.06	1.902	1.508	1.152	0.7435

1988	1.737	1.705	1.467	1.246	1.086	0.5795
1989	4.929	4.731	3.995	3.192	2.883	1.193
1990	3.104	3.045	2.744	2.24	1.997	0.8486

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	25.46	24.37	20.6	15.41	12.43	4.519
0.0645161290322581		8.438	8.237	7.554	7.18	6.491
0.0967741935483871		7.243	6.95	6.145	4.711	3.402
0.129032258064516	7.202	6.923	5.959	4.399	3.019	1.632
0.161290322580645	6.857	6.705	5.892	3.745	2.972	1.553
0.193548387096774	6.175	6.011	5.605	3.65	2.883	1.395
0.225806451612903	5.538	5.322	4.854	3.403	2.836	1.291
0.258064516129032	4.929	4.731	4.016	3.299	2.655	1.278
0.290322580645161	4.619	4.456	3.995	3.192	2.614	1.253
0.32258064516129	4.408	4.266	3.97	3.093	2.555	1.227
0.354838709677419	4.366	4.209	3.694	3.031	2.517	1.193
0.387096774193548	4.156	4.047	3.651	2.99	2.397	1.158
0.419354838709677	4.141	4.038	3.649	2.855	2.152	1.074
0.451612903225806	4.081	3.927	3.548	2.697	2.095	1.005
0.483870967741936	4.021	3.927	3.224	2.483	2.092	0.9507
0.516129032258065	3.914	3.787	3.123	2.415	2.083	0.9025
0.548387096774194	3.643	3.571	3.055	2.299	1.997	0.876
0.580645161290323	3.495	3.401	2.987	2.24	1.946	0.8638
0.612903225806452	3.374	3.295	2.744	2.236	1.933	0.8486
0.645161290322581	3.104	3.045	2.661	2.213	1.734	0.8318
0.67741935483871	3.096	2.999	2.658	2.188	1.64	0.777
0.709677419354839	3.022	2.911	2.636	2.086	1.57	0.756
0.741935483870968	2.961	2.878	2.592	2.054	1.466	0.7469
0.774193548387097	2.87	2.817	2.339	1.626	1.459	0.7435
0.806451612903226	2.287	2.195	1.902	1.588	1.396	0.6603
0.838709677419355	2.114	2.06	1.888	1.508	1.305	0.6211
0.870967741935484	1.883	1.841	1.686	1.408	1.221	0.6183
0.903225806451613	1.744	1.705	1.5	1.395	1.152	0.5795
0.935483870967742	1.737	1.69	1.467	1.246	1.086	0.5592
0.967741935483871	0.4981		0.4747	0.3954	0.2814	0.2274
	0.1696					
0.1	7.2389	6.9473	6.1264	4.6798	3.3637	1.9137
			Average of yearly averages:		1.16356	

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Corn2

Metfile: w23232.dvf

PRZM scenario: CAcornOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m^3/mol	
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life

Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 0.90 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date 27-7 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)

stored as Blueberry2.out

Chemical: Diuron

PRZM environment: CAwineGrapesRLF_V2.txt modified Wedday, 26 March 2008 at 08:40:10

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	2.028	1.949	1.674	1.327	1.154	0.6247
1962	3.746	3.592	3.072	2.327	1.922	1.118
1963	4.659	4.491	4.073	3.235	2.818	1.422
1964	1.245	1.2	1.041	0.8054	0.6874	0.5085
1965	1.376	1.33	1.17	0.9161	0.8691	0.5899
1966	1.216	1.173	1.019	0.7876	0.6703	0.5603
1967	3.004	2.9	2.564	2.062	1.832	1.014
1968	2.661	2.565	2.311	1.798	1.562	0.8172
1969	1.248	1.209	1.065	0.832	0.7423	0.5322
1970	2.235	2.149	1.848	1.419	1.207	0.6639
1971	3.401	3.271	2.842	2.195	1.86	0.892
1972	1.361	1.314	1.169	0.9457	0.7953	0.5271
1973	1.222	1.184	1.088	0.9039	0.7754	0.5636
1974	3.022	2.909	2.512	2.355	2.092	0.985
1975	4.561	4.391	3.823	2.958	2.54	1.171
1976	2.283	2.195	1.892	1.45	1.231	0.6217
1977	2.549	2.457	2.136	1.661	1.461	0.8792
1978	6.153	5.907	5.051	3.947	3.378	1.48
1979	2.066	1.994	1.74	1.441	1.297	0.8337
1980	2.65	2.556	2.242	1.737	1.48	0.8128
1981	2.037	1.969	1.821	1.515	1.32	0.8423
1982	3.663	3.532	3.294	2.639	2.306	1.224
1983	2.829	2.764	2.532	2.124	1.842	0.9424
1984	1.122	1.088	0.9526	0.7246	0.601	0.4709
1985	1.312	1.269	1.112	1.023	0.8973	0.5625

1986	5.147	4.947	4.423	3.352	2.812	1.202		
1987	1.28	1.232	1.068	0.8169		0.696	0.4742	
1988	1.361	1.316	1.152	0.8775		0.8412		0.505
1989	1.233	1.19	1.111	0.9282		0.7925		0.5078
1990	1.198	1.153	1.003	0.7606		0.6295		0.4036

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129	6.153	5.907	5.051	3.947	3.378	1.48		
0.0645161290322581		5.147	4.947	4.423	3.352	2.818	1.422	
0.0967741935483871		4.659	4.491	4.073	3.235	2.812	1.224	
0.129032258064516	4.561	4.391	3.823	2.958	2.54	1.202		
0.161290322580645	3.746	3.592	3.294	2.639	2.306	1.171		
0.193548387096774	3.663	3.532	3.072	2.355	2.092	1.118		
0.225806451612903	3.401	3.271	2.842	2.327	1.922	1.014		
0.258064516129032	3.022	2.909	2.564	2.195	1.86	0.985		
0.290322580645161	3.004	2.9	2.532	2.124	1.842	0.9424		
0.32258064516129	2.829	2.764	2.512	2.062	1.832	0.892		
0.354838709677419	2.661	2.565	2.311	1.798	1.562	0.8792		
0.387096774193548	2.65	2.556	2.242	1.737	1.48	0.8423		
0.419354838709677	2.549	2.457	2.136	1.661	1.461	0.8337		
0.451612903225806	2.283	2.195	1.892	1.515	1.32	0.8172		
0.483870967741936	2.235	2.149	1.848	1.45	1.297	0.8128		
0.516129032258065	2.066	1.994	1.821	1.441	1.231	0.6639		
0.548387096774194	2.037	1.969	1.74	1.419	1.207	0.6247		
0.580645161290323	2.028	1.949	1.674	1.327	1.154	0.6217		
0.612903225806452	1.376	1.33	1.17	1.023	0.8973		0.5899	
0.645161290322581	1.361	1.316	1.169	0.9457	0.8691		0.5636	
0.67741935483871	1.361	1.314	1.152	0.9282	0.8412		0.5625	
0.709677419354839	1.312	1.269	1.112	0.9161	0.7953		0.5603	
0.741935483870968	1.28	1.232	1.111	0.9039	0.7925		0.5322	
0.774193548387097	1.248	1.209	1.088	0.8775	0.7754		0.5271	
0.806451612903226	1.245	1.2	1.068	0.832	0.7423		0.5085	
0.838709677419355	1.233	1.19	1.065	0.8169	0.696	0.5078		
0.870967741935484	1.222	1.184	1.041	0.8054	0.6874		0.505	
0.903225806451613	1.216	1.173	1.019	0.7876	0.6703		0.4742	
0.935483870967742	1.198	1.153	1.003	0.7606	0.6295		0.4709	
0.967741935483871	1.122	1.088	0.9526		0.7246		0.601	0.4036
0.1	4.6492		4.481	4.048	3.2073	2.7848	1.2218	
Average of yearly averages:							0.791716666666667	

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Blueberry2

Metfile: w23234.dvf

PRZM scenario: CAWineGrapesRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m^3/mol	
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	

Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 1.80 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 01-03 dd/mm or dd/mm or dd-mm or dd-mmm
 Interval 1 interval 112 days Set to 0 or delete line for single app.
 app. rate 1 apprate 1.80 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)

stored as Asparagus2.out

Chemical: Diuron

PRZM environment: CARowCropRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:52

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	9.038	8.738	7.65	5.112	4.46	2.921
1962	37.74	36.16	30.72	23.16	19.26	10.02
1963	30.2	29.19	25.93	20.75	19.68	9.337
1964	19.79	19.23	16.6	12.68	11.08	5.098
1965	9.479	9.257	8.331	6.805	5.884	3.523
1966	10.89	10.62	9.674	7.441	6.806	4.515
1967	48.47	47.26	43.76	34.1	31.33	14.12
1968	12.19	11.75	10.23	8.236	7.952	3.978
1969	16.24	15.76	14.87	12.87	12.12	6.161
1970	17.69	17.16	16	12.67	11.34	5.7
1971	8.654	8.386	7.491	6.01	5.562	3.198
1972	18.6	18.1	15.85	14.41	12.19	4.089
1973	23.34	22.58	20.18	17.33	15.69	8.132
1974	17.7	17.08	14.89	11.52	9.76	5.401
1975	13.61	13.15	11.56	9.22	8.129	4.249
1976	11.65	5.986	5.27	4.884	4.348	2.013
1977	23.99	23.06	19.82	15.15	13.26	6.726
1978	19.25	18.64	16.78	14.65	13.18	6.347
1979	19.26	18.77	16.26	14.94	13.54	6.352
1980	18.1	17.46	15.31	13.15	12.22	5.834
1981	15.83	15.23	13.28	10.32	9.735	5.588
1982	66.94	64.4	55.59	43.72	37.94	16.87

1983	18.54	17.93	16.28	13.51	12.35	6.263
1984	10.99	10.56	9.521	7.406	5.499	3.505
1985	10.44	10.1	8.957	7.679	7.594	4.161
1986	14.3	13.78	12.11	11	10.12	4.63
1987	8.81	8.513	7.446	6.368	6.359	3.466
1988	11.3	10.9	9.828	8.036	6.983	3.801
1989	6.475	6.241	5.408	4.224	3.667	2.636
1990	8.421	8.131	7.094	5.79	5.454	3.179

Sorted results

Prob. Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	66.94	64.4	55.59	43.72	37.94 16.87
0.0645161290322581		48.47	47.26	43.76	34.1 31.33 14.12
0.0967741935483871		37.74	36.16	30.72	23.16 19.68 10.02
0.129032258064516	30.2	29.19	25.93	20.75	19.26 9.337
0.161290322580645	23.99	23.06	20.18	17.33	15.69 8.132
0.193548387096774	23.34	22.58	19.82	15.15	13.54 6.726
0.225806451612903	19.79	19.23	16.78	14.94	13.26 6.352
0.258064516129032	19.26	18.77	16.6	14.65	13.18 6.347
0.290322580645161	19.25	18.64	16.28	14.41	12.35 6.263
0.32258064516129	18.6	18.1	16.26	13.51	12.22 6.161
0.354838709677419	18.54	17.93	16	13.15	12.19 5.834
0.387096774193548	18.1	17.46	15.85	12.87	12.12 5.7
0.419354838709677	17.7	17.16	15.31	12.68	11.34 5.588
0.451612903225806	17.69	17.08	14.89	12.67	11.08 5.401
0.483870967741936	16.24	15.76	14.87	11.52	10.12 5.098
0.516129032258065	15.83	15.23	13.28	11	9.76 4.63
0.548387096774194	14.3	13.78	12.11	10.32	9.735 4.515
0.580645161290323	13.61	13.15	11.56	9.22	8.129 4.249
0.612903225806452	12.19	11.75	10.23	8.236	7.952 4.161
0.645161290322581	11.65	10.9	9.828	8.036	7.594 4.089
0.67741935483871	11.3	10.62	9.674	7.679	6.983 3.978
0.709677419354839	10.99	10.56	9.521	7.441	6.806 3.801
0.741935483870968	10.89	10.1	8.957	7.406	6.359 3.523
0.774193548387097	10.44	9.257	8.331	6.805	5.884 3.505
0.806451612903226	9.479	8.738	7.65	6.368	5.562 3.466
0.838709677419355	9.038	8.513	7.491	6.01	5.499 3.198
0.870967741935484	8.81	8.386	7.446	5.79	5.454 3.179
0.903225806451613	8.654	8.131	7.094	5.112	4.46 2.921
0.935483870967742	8.421	6.241	5.408	4.884	4.348 2.636
0.967741935483871	6.475	5.986	5.27	4.224	3.667 2.013

0.1	36.986	35.463	30.241	22.919	19.638	9.9517
Average of yearly averages:						5.7271

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Asparagus2

Metfile: w23234.dvf

PRZM scenario: CARowCropRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
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Molecular weight	mwt	233.1	g/mol	
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Henry's Law Const.	henry	2.2E-10		atm-m^3/mol
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Vapor Pressure	vapr	6.9E-8	torr	
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Solubility sol 420 mg/L
 Kd Kd mg/L
 Koc Koc 920 mg/L
 Photolysis half-life kdp 43 days Half-life
 Aerobic Aquatic Metabolism kbacw 99 days Halfife
 Anaerobic Aquatic Metabolism kbacs 15 days Halfife
 Aerobic Soil Metabolism asm 372 days Halfife
 Hydrolysis: pH 5 500 days Half-life
 Hydrolysis: pH 7 500 days Half-life
 Hydrolysis: pH 9 500 days Half-life
 Method: CAM 1 integer See PRZM manual
 Incorporation Depth: DEPI cm
 Application Rate: TAPP 3.59 kg/ha
 Application Efficiency: APPEFF 0.99 fraction
 Spray Drift DRFT 0.01 fraction of application rate applied to pond
 Application Date Date 1-1 dd/mm or dd/mm or dd-mm or dd-mm
 Interval 1 interval 90 days Set to 0 or delete line for single app.
 app. rate 1 apprate 3.59 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)

stored as Bermudagrass2.out

Chemical: Diuron

PRZM environment: CArangelandhayRLF_V2.txt modified Wedday, 26 March 2008 at 08:38:02

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23232.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	171	166	143	73.47	50.26	19.27
1962	571	546	463	347	282	133
1963	340	330	300	247	229	108
1964	152	149	131	103	88.3	45.86
1965	130	126	116	93.5	81.29	37.41
1966	176	170	153	120	81.16	34.47
1967	223	216	205	168	150	64.47
1968	78.89	76.09	66.71	58.06	52.46	26.58
1969	119	116	109	97	86.15	39.24
1970	226	219	192	114	89.63	52.78
1971	136	132	119	98.34	87.24	35.94
1972	96.19	92.71	80.41	63.07	48.98	26.15
1973	106	103	95.56	88.01	82.66	43.97
1974	61.65	60.38	57.67	49.58	45.95	23.92
1975	68.19	65.98	58.93	56.37	51.89	24.72
1976	25.74	24.78	22.24	17.42	15.38	8.293
1977	165	159	125	71.93	50.53	26.3
1978	211	205	190	167	150	63.45
1979	120	117	104	93.89	86.89	43.43

1980	117	115	105	96.53	90.29	39.96
1981	226	217	192	146	104	64.16
1982	211	205	183	155	142	82.01
1983	114	111	105	99.53	96.1	56.17
1984	100	97.43	86.55	70.24	61.22	26.21
1985	135	130	121	70.18	48.2	21.97
1986	177	171	151	121	109	47.07
1987	85.88	82.88	72.5	63.45	55.83	29.02
1988	51.21	49.7	45.27	39.29	36.32	21.02
1989	98.15	93.79	79.1	66.87	64.21	34.21
1990	170	167	148	131	117	51.25

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	571	546	463	347	282	133
0.0645161290322581		340	330	300	247	229
0.0967741935483871		226	219	205	168	150
0.129032258064516	226	217	192	167	150	64.47
0.161290322580645	223	216	192	155	142	64.16
0.193548387096774	211	205	190	146	117	63.45
0.225806451612903	211	205	183	131	109	56.17
0.258064516129032	177	171	153	121	104	52.78
0.290322580645161	176	170	151	120	96.1	51.25
0.32258064516129	171	167	148	114	90.29	47.07
0.354838709677419	170	166	143	103	89.63	45.86
0.387096774193548	165	159	131	99.53	88.3	43.97
0.419354838709677	152	149	125	98.34	87.24	43.43
0.451612903225806	136	132	121	97	86.89	39.96
0.483870967741936	135	130	119	96.53	86.15	39.24
0.516129032258065	130	126	116	93.89	82.66	37.41
0.548387096774194	120	117	109	93.5	81.29	35.94
0.580645161290323	119	116	105	88.01	81.16	34.47
0.612903225806452	117	115	105	73.47	64.21	34.21
0.645161290322581	114	111	104	71.93	61.22	29.02
0.67741935483871	106	103	95.56	70.24	55.83	26.58
0.709677419354839	100	97.43	86.55	70.18	52.46	26.3
0.741935483870968	98.15	93.79	80.41	66.87	51.89	26.21
0.774193548387097	96.19	92.71	79.1	63.45	50.53	26.15
0.806451612903226	85.88	82.88	72.5	63.07	50.26	24.72
0.838709677419355	78.89	76.09	66.71	58.06	48.98	23.92
0.870967741935484	68.19	65.98	58.93	56.37	48.2	21.97
0.903225806451613	61.65	60.38	57.67	49.58	45.95	21.02
0.935483870967742	51.21	49.7	45.27	39.29	36.32	19.27
0.967741935483871	25.74	24.78	22.24	17.42	15.38	8.293

0.1 226 218.8 203.7 167.9 150 80.256

Average of yearly averages: 44.3434333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Bermudagrass2

Metfile: w23232.dvf

PRZM scenario: CArangelandhayRLF_V2.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description Variable Name Value Units Comments

Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	2.69	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	1-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	2.69	kg/ha	
Interval 2	interval	21	days	Set to 0 or delete line for single app.
app. rate 2	apprate	2.69	kg/ha	
Interval 3	interval	21	days	Set to 0 or delete line for single app.
app. rate 3	apprate	2.69	kg/ha	
Interval 4	interval	21	days	Set to 0 or delete line for single app.
app. rate 4	apprate	2.69	kg/ha	
Interval 5	interval	21	days	Set to 0 or delete line for single app.
app. rate 5	apprate	2.69	kg/ha	
Interval 6	interval	21	days	Set to 0 or delete line for single app.
app. rate 6	apprate	2.69	kg/ha	
Interval 7	interval	21	days	Set to 0 or delete line for single app.
app. rate 7	apprate	2.69	kg/ha	
Interval 8	interval	21	days	Set to 0 or delete line for single app.
app. rate 8	apprate	2.69	kg/ha	
Interval 9	interval	21	days	Set to 0 or delete line for single app.
app. rate 9	apprate	2.69	kg/ha	
Interval 10	interval	21	days	Set to 0 or delete line for single app.
app. rate 10	apprate	2.69	kg/ha	
Interval 11	interval	21	days	Set to 0 or delete line for single app.
app. rate 11	apprate	2.69	kg/ha	
Interval 12	interval	21	days	Set to 0 or delete line for single app.
app. rate 12	apprate	2.69	kg/ha	
Interval 13	interval	21	days	Set to 0 or delete line for single app.
app. rate 13	apprate	2.69	kg/ha	
Interval 14	interval	21	days	Set to 0 or delete line for single app.
app. rate 14	apprate	2.69	kg/ha	
Interval 15	interval	21	days	Set to 0 or delete line for single app.
app. rate 15	apprate	2.69	kg/ha	
Interval 16	interval	21	days	Set to 0 or delete line for single app.
app. rate 16	apprate	2.69	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)

stored as APPLE2.out

Chemical: Diuron

PRZM environment: CAfruit_WirrigSTD.txt modified Tuesday, 26 August 2008 at 05:16:36

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	4.423	4.255	3.657	2.775	2.512	1.062
1962	10.59	10.23	8.93	6.796	6.062	2.176
1963	8.701	8.366	7.448	6.073	5.556	2.155
1964	2.313	2.224	1.914	1.419	1.159	0.5931
1965	5.58	5.358	4.588	4.019	3.498	1.311
1966	2.285	2.192	1.865	1.35	1.104	0.5635
1967	10.28	9.952	8.611	6.28	5.084	1.964
1968	2.371	2.277	1.956	1.434	1.185	0.6024
1969	22.57	21.71	18.69	15.07	13.09	4.696
1970	11.77	11.3	9.658	7.864	6.991	2.663
1971	6.979	6.692	5.69	4.185	3.397	1.257
1972	2.317	2.227	1.912	1.392	1.147	0.5906
1973	5.137	4.938	4.247	3.255	3.138	1.218
1974	2.317	2.227	1.908	1.392	1.141	0.5721
1975	2.299	2.213	1.91	1.408	1.145	0.5777
1976	10.84	10.41	8.944	6.839	6.116	2.242
1977	2.304	2.209	1.891	1.395	1.136	0.5753
1978	9.532	9.348	8.28	6.714	6.078	2.453
1979	2.482	2.385	2.039	1.484	1.345	0.6387
1980	10.85	10.45	9.164	7.261	6.594	2.651
1981	5.64	5.422	4.654	3.539	3.24	1.296
1982	3.35	3.227	2.787	2.175	1.972	0.8382
1983	17.47	16.8	15.07	12.18	10.46	4.202
1984	2.395	2.301	2.006	1.452	1.244	0.6199
1985	2.337	2.266	1.947	1.415	1.173	0.5815
1986	8.664	8.322	7.186	5.652	5.147	1.896
1987	2.689	2.581	2.209	1.65	1.555	0.7295
1988	4.437	4.256	3.622	2.684	2.173	0.8941
1989	3.533	3.393	2.908	2.441	2.248	0.9452
1990	2.991	2.87	2.455	1.978	1.635	0.7449

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	22.57	21.71	18.69	15.07	13.09	4.696
0.0645161290322581	17.47	16.8	15.07	12.18	10.46	4.202
0.0967741935483871	11.77	11.3	9.658	7.864	6.991	2.663
0.129032258064516	10.85	10.45	9.164	7.261	6.594	2.651
0.161290322580645	10.84	10.41	8.944	6.839	6.116	2.453
0.193548387096774	10.59	10.23	8.93	6.796	6.078	2.242
0.225806451612903	10.28	9.952	8.611	6.714	6.062	2.176
0.258064516129032	9.532	9.348	8.28	6.28	5.556	2.155
0.290322580645161	8.701	8.366	7.448	6.073	5.147	1.964
0.32258064516129	8.664	8.322	7.186	5.652	5.084	1.896

0.354838709677419	6.979	6.692	5.69	4.185	3.498	1.311
0.387096774193548	5.64	5.422	4.654	4.019	3.397	1.296
0.419354838709677	5.58	5.358	4.588	3.539	3.24	1.257
0.451612903225806	5.137	4.938	4.247	3.255	3.138	1.218
0.483870967741936	4.437	4.256	3.657	2.775	2.512	1.062
0.516129032258065	4.423	4.255	3.622	2.684	2.248	0.9452
0.548387096774194	3.533	3.393	2.908	2.441	2.173	0.8941
0.580645161290323	3.35	3.227	2.787	2.175	1.972	0.8382
0.612903225806452	2.991	2.87	2.455	1.978	1.635	0.7449
0.645161290322581	2.689	2.581	2.209	1.65	1.555	0.7295
0.67741935483871	2.482	2.385	2.039	1.484	1.345	0.6387
0.709677419354839	2.395	2.301	2.006	1.452	1.244	0.6199
0.741935483870968	2.371	2.277	1.956	1.434	1.185	0.6024
0.774193548387097	2.337	2.266	1.947	1.419	1.173	0.5931
0.806451612903226	2.317	2.227	1.914	1.415	1.159	0.5906
0.838709677419355	2.317	2.227	1.912	1.408	1.147	0.5815
0.870967741935484	2.313	2.224	1.91	1.395	1.145	0.5777
0.903225806451613	2.304	2.213	1.908	1.392	1.141	0.5753
0.935483870967742	2.299	2.209	1.891	1.392	1.136	0.5721
0.967741935483871	2.285	2.192	1.865	1.35	1.104	0.5635

0.1	11.678	11.215	9.6086	7.8037	6.9513	2.6618
Average of yearly averages:						1.44362333333333

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: APPLE2

Metfile: w93193.dvf

PRZM scenario: CAfruit_WirrigSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days		Half-life
Hydrolysis: pH 7	500	days		Half-life
Hydrolysis: pH 9	500	days		Half-life
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	3.59	kg/ha	
Application Efficiency:	APPEFF	0.99		fraction
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	16-1	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	90	days	Set to 0 or delete line for single app.
app. rate 1	apprate	3.59	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)

stored as AgROW2-Imperv.out

Chemical: Diuron

PRZM environment: CAImperviousRLF.txt modified Tuesday, 20 February 2007 at 11:05:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w23234.dvf modified Tuesday, 26 August 2008 at 05:15:38

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	1030	991	873	584	470	133
1962	990	959	829	620	506	256
1963	448	431	392	295	240	134
1964	1450	1400	1210	916	645	195
1965	1360	1320	1140	848	575	276
1966	1100	1060	999	755	517	283
1967	767	737	627	467	392	227
1968	349	335	291	241	196	98.53
1969	444	426	362	274	223	87.52
1970	571	554	482	365	276	99.94
1971	202	195	175	146	128	78.75
1972	736	709	621	500	431	135
1973	568	544	490	400	333	140
1974	347	336	293	224	162	89.03
1975	1860	1780	1540	1160	946	267
1976	553	541	497	415	365	184
1977	500	480	408	323	291	104
1978	310	303	268	205	179	94.03
1979	787	755	671	526	401	141
1980	284	278	253	208	181	83.45
1981	259	248	235	189	161	69.3
1982	617	591	513	394	333	110
1983	1090	1040	874	663	559	180
1984	1660	1600	1410	1090	887	284
1985	918	888	758	585	458	254
1986	327	319	291	239	207	98.18
1987	770	740	634	488	359	99.46
1988	517	499	423	320	255	130
1989	972	945	852	733	643	213
1990	351	335	284	236	212	134

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	1860	1780	1540	1160	946	284
0.0645161290322581		1660	1600	1410	1090	887
0.0967741935483871		1450	1400	1210	916	645
0.129032258064516	1360	1320	1140	848	643	267
0.161290322580645	1100	1060	999	755	575	256
0.193548387096774	1090	1040	874	733	559	254
0.225806451612903	1030	991	873	663	517	227

0.258064516129032	990	959	852	620	506	213
0.290322580645161	972	945	829	585	470	195
0.32258064516129	918	888	758	584	458	184
0.354838709677419	787	755	671	526	431	180
0.387096774193548	770	740	634	500	401	141
0.419354838709677	767	737	627	488	392	140
0.451612903225806	736	709	621	467	365	135
0.483870967741936	617	591	513	415	359	134
0.516129032258065	571	554	497	400	333	134
0.548387096774194	568	544	490	394	333	133
0.580645161290323	553	541	482	365	291	130
0.612903225806452	517	499	423	323	276	110
0.645161290322581	500	480	408	320	255	104
0.67741935483871	448	431	392	295	240	99.94
0.709677419354839	444	426	362	274	223	99.46
0.741935483870968	351	336	293	241	212	98.53
0.774193548387097	349	335	291	239	207	98.18
0.806451612903226	347	335	291	236	196	94.03
0.838709677419355	327	319	284	224	181	89.03
0.870967741935484	310	303	268	208	179	87.52
0.903225806451613	284	278	253	205	162	83.45
0.935483870967742	259	248	235	189	161	78.75
0.967741935483871	202	195	175	146	128	69.3

0.1 1441 1392 1203 909.2 644.8 275.1

Average of yearly averages: 155.939666666667

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: AgROW2-Imperv

Metfile: w23234.dvf

PRZM scenario: CAImperviousRLF.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10		atm-m ³ /mol
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	13.47	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of	application rate applied to pond
Application Date	Date	1-9	dd/mm	or dd/mm or dd-mm or dd-mmm
Interval 1	interval	21	days	Set to 0 or delete line for single app.
app. rate 1	apprate	13.47	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)

stored as Alfalfa2.out

Chemical: Diuron

PRZM environment: CAalfalfa_WirrigOP.txt modified Thuday, 14 June 2007 at 09:20:44

EXAMS environment: pond298.exv modified Tuesday, 26 August 2008 at 05:14:07

Metfile: w93193.dvf modified Tuesday, 26 August 2008 at 05:16:12

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	3.751	3.608	3.102	2.36	2.014	0.7641
1962	10.63	10.39	9.146	7.036	5.908	2.051
1963	7.929	7.632	6.946	5.8	5.598	2.24
1964	1.43	1.375	1.258	0.9762	0.8314	0.3531
1965	5.951	5.711	4.925	3.952	3.311	1.214
1966	1.489	1.438	1.287	1.098	0.9395	0.3818
1967	3.987	3.875	3.43	2.926	2.783	1.304
1968	2.084	2.01	1.745	1.552	1.423	0.6457
1969	19.6	18.91	16.3	14.61	13.03	4.666
1970	6.993	6.715	5.79	5.148	4.869	1.811
1971	1.791	1.723	1.482	1.199	1.08	0.5642
1972	1.699	1.637	1.423	1.213	1.053	0.421
1973	4.485	4.313	3.804	3.333	2.922	1.097
1974	1.377	1.323	1.188	0.9711	0.9649	0.454
1975	1.365	1.311	1.125	0.8702	0.7753	0.3399
1976	10.62	10.2	8.759	6.709	5.688	1.98
1977	1.411	1.356	1.167	0.8906	0.8699	0.4026
1978	9.732	9.369	8.343	7.219	6.472	2.447
1979	1.77	1.716	1.546	1.291	1.233	0.4968
1980	9.837	9.48	8.519	6.889	5.842	2.21
1981	5.66	5.442	4.839	3.889	3.45	1.261
1982	2.822	2.722	2.46	2.111	1.815	0.7465
1983	14.89	14.33	13.31	11.23	9.859	3.509
1984	1.736	1.674	1.457	1.239	1.096	0.4541
1985	1.548	1.493	1.299	1.143	1.016	0.408
1986	9.642	9.261	8.143	6.961	5.981	2.083
1987	2.57	2.509	2.325	1.931	1.716	0.74
1988	2.512	2.43	2.111	1.63	1.396	0.6831
1989	3.419	3.293	2.828	2.32	2.065	0.8516
1990	1.751	1.689	1.477	1.26	1.101	0.565

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
0.032258064516129	19.6	18.91	16.3	14.61	13.03	4.666
0.0645161290322581		14.89	14.33	13.31	11.23	9.859
0.0967741935483871		10.63	10.39	9.146	7.219	6.472
0.129032258064516	10.62	10.2	8.759	7.036	5.981	2.24

0.161290322580645	9.837	9.48	8.519	6.961	5.908	2.21
0.193548387096774	9.732	9.369	8.343	6.889	5.842	2.083
0.225806451612903	9.642	9.261	8.143	6.709	5.688	2.051
0.258064516129032	7.929	7.632	6.946	5.8	5.598	1.98
0.290322580645161	6.993	6.715	5.79	5.148	4.869	1.811
0.32258064516129	5.951	5.711	4.925	3.952	3.45	1.304
0.354838709677419	5.66	5.442	4.839	3.889	3.311	1.261
0.387096774193548	4.485	4.313	3.804	3.333	2.922	1.214
0.419354838709677	3.987	3.875	3.43	2.926	2.783	1.097
0.451612903225806	3.751	3.608	3.102	2.36	2.065	0.8516
0.483870967741936	3.419	3.293	2.828	2.32	2.014	0.7641
0.516129032258065	2.822	2.722	2.46	2.111	1.815	0.7465
0.548387096774194	2.57	2.509	2.325	1.931	1.716	0.74
0.580645161290323	2.512	2.43	2.111	1.63	1.423	0.6831
0.612903225806452	2.084	2.01	1.745	1.552	1.396	0.6457
0.645161290322581	1.791	1.723	1.546	1.291	1.233	0.565
0.67741935483871	1.77	1.716	1.482	1.26	1.101	0.5642
0.709677419354839	1.751	1.689	1.477	1.239	1.096	0.4968
0.741935483870968	1.736	1.674	1.457	1.213	1.08	0.4541
0.774193548387097	1.699	1.637	1.423	1.199	1.053	0.454
0.806451612903226	1.548	1.493	1.299	1.143	1.016	0.421
0.838709677419355	1.489	1.438	1.287	1.098	0.9649	0.408
0.870967741935484	1.43	1.375	1.258	0.9762	0.9395	0.4026
0.903225806451613	1.411	1.356	1.188	0.9711	0.8699	0.3818
0.935483870967742	1.377	1.323	1.167	0.8906	0.8314	0.3531
0.967741935483871	1.365	1.311	1.125	0.8702	0.7753	0.3399
0.1	10.629	10.371	9.1073	7.2007	6.4229	2.4263
Average of yearly averages:						1.23815

Inputs generated by pe5.pl - November 2006

Data used for this run:

Output File: Alfalfa2

Metfile: w93193.dvf

PRZM scenario: CAalfalfa_WirrigOP.txt

EXAMS environment file: pond298.exv

Chemical Name: Diuron

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	233.1	g/mol	
Henry's Law Const.	henry	2.2E-10	atm-m ³ /mol	
Vapor Pressure	vapr	6.9E-8	torr	
Solubility	sol	420	mg/L	
Kd	Kd		mg/L	
Koc	Koc	920	mg/L	
Photolysis half-life	kdp	43	days	Half-life
Aerobic Aquatic Metabolism	kbacw	99	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	15	days	Halfife
Aerobic Soil Metabolism	asm	372	days	Halfife
Hydrolysis: pH 5	500	days	Half-life	
Hydrolysis: pH 7	500	days	Half-life	
Hydrolysis: pH 9	500	days	Half-life	
Method:	CAM	1	integer	See PRZM manual
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	2.69	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	
Spray Drift	DRFT	0.01	fraction of application rate applied to pond	

Application Date Date 16-1 dd/mm or dd/mmm 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)