



\*\*\* EMD, EMM, IYREM, MAD, MAM, IYRMAT, HAD, HAM, IYRHAR, INCROP

\*\*\* Emerge Mature Harvest

\*\*\* DMMYY DMMYY DMMYY Crop No.

010261	210461	150561	1
010262	210462	150562	1
010263	210463	150563	1
010264	210464	150564	1
010265	210465	150565	1
010266	210466	150566	1
010267	210467	150567	1
010268	210468	150568	1
010269	210469	150569	1
010270	210470	150570	1
010271	210471	150571	1
010272	210472	150572	1
010273	210473	150573	1
010274	210474	150574	1
010275	210475	150575	1
010276	210476	150576	1
010277	210477	150577	1
010278	210478	150578	1
010279	210479	150579	1
010280	210480	150580	1
010281	210481	150581	1
010282	210482	150582	1
010283	210483	150583	1
010284	210484	150584	1
010285	210485	150585	1
010286	210486	150586	1
010287	210487	150587	1
010288	210488	150588	1
010289	210489	150589	1
010290	210490	150590	1

\*\*\*

\*\*\* Record 12: (A78) PTITLE - Label for pesticide

Chemical Input Data:

\*\*\*

\*\*\* Record 13: (4I8) NAPS, NCHEM, FRMFLG, DK2FLG

NAPS	NCHEM	FRMFLG	DK2FLG
90	1	0	0

\*\*\*

\*\*\* Record 15: (3A20) Name(s) of pesticides for output titles

Alfa-SUM

\*\*\*

\*\*\* Record(s) 16: (2X,3I2,I3,3(I2,F5.0,F6.0,F5.0,F5.0)) - application data

\*\*\* including the application date (APD,APM,IAPYR), WINDAY, and

(1)(CAM,DEPI,TAPP,APPEFF,DRFT)

\*\*\* DMMYYWinCmDepi Tapp Eff Drft CmDepi Tapp Eff Drft

010661	0	2	4.001.2935.9500.0500
100761	0	2	4.001.2935.9500.0500
150861	0	2	4.001.2935.9500.0500
010662	0	2	4.001.2935.9500.0500
100762	0	2	4.001.2935.9500.0500
150862	0	2	4.001.2935.9500.0500
010663	0	2	4.001.2935.9500.0500
100763	0	2	4.001.2935.9500.0500
150863	0	2	4.001.2935.9500.0500
010664	0	2	4.001.2935.9500.0500
100764	0	2	4.001.2935.9500.0500
150864	0	2	4.001.2935.9500.0500
010665	0	2	4.001.2935.9500.0500
100765	0	2	4.001.2935.9500.0500
150865	0	2	4.001.2935.9500.0500
010666	0	2	4.001.2935.9500.0500
100766	0	2	4.001.2935.9500.0500
150866	0	2	4.001.2935.9500.0500
010667	0	2	4.001.2935.9500.0500
100767	0	2	4.001.2935.9500.0500
150867	0	2	4.001.2935.9500.0500
010668	0	2	4.001.2935.9500.0500
100768	0	2	4.001.2935.9500.0500

150868 0 2 4.001.2935.9500.0500  
010669 0 2 4.001.2935.9500.0500  
100769 0 2 4.001.2935.9500.0500  
150869 0 2 4.001.2935.9500.0500  
010670 0 2 4.001.2935.9500.0500  
100770 0 2 4.001.2935.9500.0500  
150870 0 2 4.001.2935.9500.0500  
010671 0 2 4.001.2935.9500.0500  
100771 0 2 4.001.2935.9500.0500  
150871 0 2 4.001.2935.9500.0500  
010672 0 2 4.001.2935.9500.0500  
100772 0 2 4.001.2935.9500.0500  
150872 0 2 4.001.2935.9500.0500  
010673 0 2 4.001.2935.9500.0500  
100773 0 2 4.001.2935.9500.0500  
150873 0 2 4.001.2935.9500.0500  
010674 0 2 4.001.2935.9500.0500  
100774 0 2 4.001.2935.9500.0500  
150874 0 2 4.001.2935.9500.0500  
010675 0 2 4.001.2935.9500.0500  
100775 0 2 4.001.2935.9500.0500  
150875 0 2 4.001.2935.9500.0500  
010676 0 2 4.001.2935.9500.0500  
100776 0 2 4.001.2935.9500.0500  
150876 0 2 4.001.2935.9500.0500  
010677 0 2 4.001.2935.9500.0500  
100777 0 2 4.001.2935.9500.0500  
150877 0 2 4.001.2935.9500.0500  
010678 0 2 4.001.2935.9500.0500  
100778 0 2 4.001.2935.9500.0500  
150878 0 2 4.001.2935.9500.0500  
010679 0 2 4.001.2935.9500.0500  
100779 0 2 4.001.2935.9500.0500  
150879 0 2 4.001.2935.9500.0500  
010680 0 2 4.001.2935.9500.0500  
100780 0 2 4.001.2935.9500.0500  
150880 0 2 4.001.2935.9500.0500  
010681 0 2 4.001.2935.9500.0500  
100781 0 2 4.001.2935.9500.0500  
150881 0 2 4.001.2935.9500.0500  
010682 0 2 4.001.2935.9500.0500  
100782 0 2 4.001.2935.9500.0500  
150882 0 2 4.001.2935.9500.0500  
010683 0 2 4.001.2935.9500.0500  
100783 0 2 4.001.2935.9500.0500  
150883 0 2 4.001.2935.9500.0500  
010684 0 2 4.001.2935.9500.0500  
100784 0 2 4.001.2935.9500.0500  
150884 0 2 4.001.2935.9500.0500  
010685 0 2 4.001.2935.9500.0500  
100785 0 2 4.001.2935.9500.0500  
150885 0 2 4.001.2935.9500.0500  
010686 0 2 4.001.2935.9500.0500  
100786 0 2 4.001.2935.9500.0500  
150886 0 2 4.001.2935.9500.0500  
010687 0 2 4.001.2935.9500.0500  
100787 0 2 4.001.2935.9500.0500  
150887 0 2 4.001.2935.9500.0500  
010688 0 2 4.001.2935.9500.0500  
100788 0 2 4.001.2935.9500.0500  
150888 0 2 4.001.2935.9500.0500  
010689 0 2 4.001.2935.9500.0500  
100789 0 2 4.001.2935.9500.0500  
150889 0 2 4.001.2935.9500.0500  
010690 0 2 4.001.2935.9500.0500  
100790 0 2 4.001.2935.9500.0500  
150890 0 2 4.001.2935.9500.0500

\*\*\*

\*\*\* Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,  
(1) (IPSCND,UPTKF)

\*\*\*FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3

```

0.00E+00      10.00E+00
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1
0.00E+000.00E+005.00E-01
***
*** Record 19: (A78) STITLE - label for soil properties
Riviera Sand; HYDG: C Brief description of soil proper
***
*** Record 20: (F8.0,8X,9I4)
CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG
***CORED (cm)      BD TH KD HS MOC IR IT ID BIO
1.00E+02          0 0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (1)DAIR, (1)HENRYK, (1)ENPY
4.30E+031.24E-032.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
6.34E-026.34E-020.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
1.00E-017.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
6.34E-026.34E-020.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
2.00E+007.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 3: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
6.34E-026.34E-020.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
4.00E+002.11E-019.10E-021.74E-011.84E+01
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
WATR YEAR 10 PEST YEAR 10 CONC YEAR 10 1
***
*** Record 43: (I8) EXMENV
99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
1 CASSNO: -999 7 10.00E+00
***
*** Record 45: NPLOTS (number of time series variables,STEP4)
0 YEAR
***
*** Records 46: Plotting variables

```

**EXAMS INPUT FILE**

```

! Version: Express v. 1.03.02 (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!

```

```

set kchem = 1
set prswg = 0
set mchem = 1
chem name is Alfa-SUM
set mwt(1)= 4.0690E+02
set sol(1,1)= 5.3000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.0600E+04
set vapr(1)= 3.0100E-05
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 1.0098E-04
set qtbts(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 2.5334E-04
set qtbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 1.5201E-03
set kbh(1,1,1)= 0.0000E+00
!
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-c1.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!
set mchem = 1
read przm p2e-c1.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d65

```

```
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
! OPP/EFED static hydrology
```

```
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d77
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d78
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d79
! OPP/EFED static hydrology
set evap(*,*)=0.0
```

```
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d80
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d81
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d82
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d83
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
```



```

set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

## Isomer 2

### PRZM INPUT FILE

```

*** Record 1: (A78), TITLE - label for simulation title
Express      v. 1.03.02      (2007-07-20)
*** "FL Tomato (General Vegetable Scenario): MLRA 155,
***
*** Record 2: (A78), HTITLE - Hydrology Information Title
"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in F
***
*** Record 3: (2F8.0,I8,F8.0,2I8,5I4) PFAC,SFAC,IPEIND,ANETD,INICRP,ISCOND
***PFAC SFAC  IPEIND  ANETD  INICRP  ISCOND      (WDM data sets not used)
7.80E-010.00E+00      03.25E+01      1      1
***
*** Record 6: (I8) ERFLAG: Flag to calculate erosion
4
***
*** Record 7: (4F8.0,8X,I8,2F8.0) USLEK,USLELS,USLEP,AFIELD,IREG,SLP,HL
***USLEKUSLELS  USLEP  AFIELD      IREG  SLP  HL
3.00E-022.00E-011.00E+001.00E+01      4      1.00  356.80
***

```

```

*** Record 8: (I8) NDC - Number of different crops simulated; FLITNUM
1 0
***
*** Record 9 for Crop 1: (I8,3F8.0,I8,3(I,X,I3),2F8.0)
ICNCN,CINTCP,AMXDR,COVMAX,ICNAH,(3)CN,WFMAX,HTMAX
***ICNCNCINTCP AMXDR COVMAX ICNAH CN1 CN2 CN3WFMAX HTMAX
11.00E-013.00E+014.00E+01 3 91 87 880.00E+001.50E+02
***
*** Record 9A (2I8): CROPNO,NUSLEC - Crop, Number of USLE C (cover management) factors
1 27
*** Record 9B: (16(I2,I2,1X)) GDUSLEC,GMUSLEC for each USLEC
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108 1008
*** Record 9C: (16(F4.0,1X)) - USLEC (USLE Cover management factors)
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162 .210
*** Record 9D: (16(F4.0,1X)) - MNGN - Manning's N for each USLEC
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
*** Record 9E: (16(I4,1X)) - CN(II) for each USLEC
87 87 87 87 87 87 87 87 91 91 91 91 91 91 91 91
***
*** Continuation of Records 9B,9C,9D,9E for USLEC 17-27
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
91 91 91 91 91 91 91 91 91 91 91 91 91 91 91 91
***
*** Record 10: (I8) NCPDS - number of cropping periods
30
***
*** Record(s) 11: (2X,3I2,2X,3I2,3X,3I2,I8) - dates of crop EMergence, MATuration, and
HARvest
*** EMD,EMM,IYREM,MAD,MAM,IYRMAT,HAD,HAM,IYRHAR,INCROP
***EMerge Mature Harvest
***DMMYY DMMYY DMMYY Crop No.
010261 210461 150561 1
010262 210462 150562 1
010263 210463 150563 1
010264 210464 150564 1
010265 210465 150565 1
010266 210466 150566 1
010267 210467 150567 1
010268 210468 150568 1
010269 210469 150569 1
010270 210470 150570 1
010271 210471 150571 1
010272 210472 150572 1
010273 210473 150573 1
010274 210474 150574 1
010275 210475 150575 1
010276 210476 150576 1
010277 210477 150577 1
010278 210478 150578 1
010279 210479 150579 1
010280 210480 150580 1
010281 210481 150581 1
010282 210482 150582 1
010283 210483 150583 1
010284 210484 150584 1
010285 210485 150585 1
010286 210486 150586 1
010287 210487 150587 1
010288 210488 150588 1
010289 210489 150589 1
010290 210490 150590 1
***
*** Record 12: (A78) PTITLE - Label for pesticide
Chemical Input Data:
***
*** Record 13: (4I8) NAPS,NCHEM,FRMFLG,DK2FLG
*** NAPS NCHEM FRMFLG DK2FLG

```

```

          90      1      0      0
***
*** Record 15: (3A20) Name(s) of pesticides for output titles
Beta-SUM
***
*** Record(s) 16: (2X,3I2,I3,3(I2,F5.0,F6.0,F5.0,F5.0)) - application data
*** including the application date (APD,APM,IAPYR), WINDAY, and
(1)(CAM,DEPI,TAPP,APPEFF,DRFT)
***DMMYYWinCmDepi Tapp Eff Drft CmDepi Tapp Eff Drft CmDepi Tapp Eff Drft
010661 0 2 4.000.7028.9500.0500
100761 0 2 4.000.7028.9500.0500
150861 0 2 4.000.7028.9500.0500
010662 0 2 4.000.7028.9500.0500
100762 0 2 4.000.7028.9500.0500
150862 0 2 4.000.7028.9500.0500
010663 0 2 4.000.7028.9500.0500
100763 0 2 4.000.7028.9500.0500
150863 0 2 4.000.7028.9500.0500
010664 0 2 4.000.7028.9500.0500
100764 0 2 4.000.7028.9500.0500
150864 0 2 4.000.7028.9500.0500
010665 0 2 4.000.7028.9500.0500
100765 0 2 4.000.7028.9500.0500
150865 0 2 4.000.7028.9500.0500
010666 0 2 4.000.7028.9500.0500
100766 0 2 4.000.7028.9500.0500
150866 0 2 4.000.7028.9500.0500
010667 0 2 4.000.7028.9500.0500
100767 0 2 4.000.7028.9500.0500
150867 0 2 4.000.7028.9500.0500
010668 0 2 4.000.7028.9500.0500
100768 0 2 4.000.7028.9500.0500
150868 0 2 4.000.7028.9500.0500
010669 0 2 4.000.7028.9500.0500
100769 0 2 4.000.7028.9500.0500
150869 0 2 4.000.7028.9500.0500
010670 0 2 4.000.7028.9500.0500
100770 0 2 4.000.7028.9500.0500
150870 0 2 4.000.7028.9500.0500
010671 0 2 4.000.7028.9500.0500
100771 0 2 4.000.7028.9500.0500
150871 0 2 4.000.7028.9500.0500
010672 0 2 4.000.7028.9500.0500
100772 0 2 4.000.7028.9500.0500
150872 0 2 4.000.7028.9500.0500
010673 0 2 4.000.7028.9500.0500
100773 0 2 4.000.7028.9500.0500
150873 0 2 4.000.7028.9500.0500
010674 0 2 4.000.7028.9500.0500
100774 0 2 4.000.7028.9500.0500
150874 0 2 4.000.7028.9500.0500
010675 0 2 4.000.7028.9500.0500
100775 0 2 4.000.7028.9500.0500
150875 0 2 4.000.7028.9500.0500
010676 0 2 4.000.7028.9500.0500
100776 0 2 4.000.7028.9500.0500
150876 0 2 4.000.7028.9500.0500
010677 0 2 4.000.7028.9500.0500
100777 0 2 4.000.7028.9500.0500
150877 0 2 4.000.7028.9500.0500
010678 0 2 4.000.7028.9500.0500
100778 0 2 4.000.7028.9500.0500
150878 0 2 4.000.7028.9500.0500
010679 0 2 4.000.7028.9500.0500
100779 0 2 4.000.7028.9500.0500
150879 0 2 4.000.7028.9500.0500
010680 0 2 4.000.7028.9500.0500
100780 0 2 4.000.7028.9500.0500
150880 0 2 4.000.7028.9500.0500
010681 0 2 4.000.7028.9500.0500
100781 0 2 4.000.7028.9500.0500

```

```

150881 0 2 4.000.7028.9500.0500
010682 0 2 4.000.7028.9500.0500
100782 0 2 4.000.7028.9500.0500
150882 0 2 4.000.7028.9500.0500
010683 0 2 4.000.7028.9500.0500
100783 0 2 4.000.7028.9500.0500
150883 0 2 4.000.7028.9500.0500
010684 0 2 4.000.7028.9500.0500
100784 0 2 4.000.7028.9500.0500
150884 0 2 4.000.7028.9500.0500
010685 0 2 4.000.7028.9500.0500
100785 0 2 4.000.7028.9500.0500
150885 0 2 4.000.7028.9500.0500
010686 0 2 4.000.7028.9500.0500
100786 0 2 4.000.7028.9500.0500
150886 0 2 4.000.7028.9500.0500
010687 0 2 4.000.7028.9500.0500
100787 0 2 4.000.7028.9500.0500
150887 0 2 4.000.7028.9500.0500
010688 0 2 4.000.7028.9500.0500
100788 0 2 4.000.7028.9500.0500
150888 0 2 4.000.7028.9500.0500
010689 0 2 4.000.7028.9500.0500
100789 0 2 4.000.7028.9500.0500
150889 0 2 4.000.7028.9500.0500
010690 0 2 4.000.7028.9500.0500
100790 0 2 4.000.7028.9500.0500
150890 0 2 4.000.7028.9500.0500
***
*** Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,
(1)(IPSCND,UPTKF)
***FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3
0.00E+00      10.00E+00
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1
0.00E+000.00E+005.00E-01
***
*** Record 19: (A78) STITLE - label for soil properties
Riviera Sand; HYDG: C Brief description of soil proper
***
*** Record 20: (F8.0,8X,9I4)
CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG
***CORED (cm)      BD TH KD HS MOC IR IT ID BIO
1.00E+02          0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (1)DAIR, (1)HENRYK, (1)ENPY
4.30E+031.07E-042.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
7.58E-037.58E-030.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
1.00E-017.30E-022.30E-021.16E+001.57E+02
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
7.58E-037.58E-030.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
2.00E+007.30E-022.30E-021.16E+001.57E+02
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+00

```

```

***
*** Record 36 for Horizon 3: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
      7.58E-037.58E-030.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
      4.00E+002.11E-019.10E-021.74E-012.35E+01
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
      0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
      WATR      YEAR      10      PEST      YEAR      10      CONC      YEAR      10      1
***
*** Record 43: (I8) EXMENV
      99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
      1      CASSNO: -999      7      10.00E+00
***
*** Record 45: NPLOTS (number of time series variables,STEP4)
      0      YEAR
***
*** Records 46: Plotting variables

```

#### EXAMS INPUT FILE

```

! Version: Express      v. 1.03.02      (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!
set kchem = 1
set prswg = 0
set mchem = 1
chem name is          Beta-SUM
set mwt(1)= 4.0690E+02
set sol(1,1)= 2.8000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.3500E+04
set vapr(1)= 1.3700E-06
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 7.5605E-05
set qtbts(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 6.9426E-05
set qbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 2.6256E-03
set kbh(1,1,1)= 0.0000E+00
!
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-cl.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!

```

```
set mchem = 1
read przm p2e-c1.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d65
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
```

```
read przm p2e-c1.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
```

```
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d77
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d78
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d79
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d80
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d81
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d82
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d83
! OPP/EFED static hydrology
```



```
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
```

```

set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

## Degradation Product

### PRZM INPUT FILE

```

*** Record 1: (A78), TITLE - label for simulation title
Express v. 1.03.02 (2007-07-20)
*** "FL Tomato (General Vegetable Scenario): MLRA 155,
***
*** Record 2: (A78), HTITLE - Hydrology Information Title
"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in F
***
*** Record 3: (2F8.0,I8,F8.0,2I8,5I4) PFAC,SFAC,IPEIND,ANETD,INICRP,ISCOND
***PFAC SFAC IPEIND ANETD INICRP ISCOND (WDM data sets not used)
7.80E-010.00E+00 03.25E+01 1 1
***
*** Record 6: (I8) ERFLAG: Flag to calculate erosion
4
***
*** Record 7: (4F8.0,8X,I8,2F8.0) USLEK,USLELS,USLEP,AFIELD,IREG,SLP,HL
***USLEKUSLELS USLEP AFIELD IREG SLP HL
3.00E-022.00E-011.00E+001.00E+01 4 1.00 356.80
***
*** Record 8: (I8) NDC - Number of different crops simulated; FLITNUM
1 0
***
*** Record 9 for Crop 1: (I8,3F8.0,I8,3(1X,I3),2F8.0)
ICNCN,CINTCP,AMXDR,COVMAX,ICNAH,(3)CN,WFMAX,HTMAX
***ICNCNCINTCP AMXDR COVMAX ICNAH CN1 CN2 CN3WFMAX HTMAX
11.00E-013.00E+014.00E+01 3 91 87 880.00E+001.50E+02
***
*** Record 9A (2I8): CROPNO,NUSLEC - Crop, Number of USLE C (cover management) factors
1 27
*** Record 9B: (16(I2,I2,1X) GDUSLEC,GMUSLEC for each USLEC
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108 1008
*** Record 9C: (16(F4.0,1X)) - USLEC (USLE Cover management factors)
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162 .210
*** Record 9D: (16(F4.0,1X)) - MNGN - Manning's N for each USLEC
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
*** Record 9E: (16(I4,1X)) - CN(II) for each USLEC
87 87 87 87 87 87 87 91 91 91 91 91 91 91 91 91
***
*** Continuation of Records 9B,9C,9D,9E for USLEC 17-27
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
91 91 91 91 91 91 91 91 91 91 91 91
***
*** Record 10: (I8) NCPDS - number of cropping periods
30
***
*** Record(s) 11: (2X,3I2,2X,3I2,3X,3I2,I8) - dates of crop EMergence, MATuration, and HARvest
*** EMD,EMM,IYREM,MAD,MAM,IYRMAT,HAD,HAM,IYRHAR,INCROP
***EMerge MATure HARvest
***DDMMYY DDMMYY DDMMYY Crop No.
010261 210461 150561 1
010262 210462 150562 1
010263 210463 150563 1
010264 210464 150564 1
010265 210465 150565 1
010266 210466 150566 1
010267 210467 150567 1

```

```

010268 210468 150568 1
010269 210469 150569 1
010270 210470 150570 1
010271 210471 150571 1
010272 210472 150572 1
010273 210473 150573 1
010274 210474 150574 1
010275 210475 150575 1
010276 210476 150576 1
010277 210477 150577 1
010278 210478 150578 1
010279 210479 150579 1
010280 210480 150580 1
010281 210481 150581 1
010282 210482 150582 1
010283 210483 150583 1
010284 210484 150584 1
010285 210485 150585 1
010286 210486 150586 1
010287 210487 150587 1
010288 210488 150588 1
010289 210489 150589 1
010290 210490 150590 1
***
*** Record 12: (A78) PTITLE - Label for pesticide
Chemical Input Data:
***
*** Record 13: (4I8) NAPS,NCHEM,FRMFLG,DK2FLG
*** NAPS  NCHEM  FRMFLG  DK2FLG
      90      1      0      0
***
*** Record 15: (3A20) Name(s) of pesticides for output titles
Deg-SUM
***
*** Record(s) 16: (2X,3I2,I3,3(I2,F5.0,F6.0,F5.0,F5.0)) - application data
*** including the application date (APD,APM,IAPYR), WINDAY, and
(1)(CAM,DEPI,TAPP,APPEFF,DRFT)
***DMMYYWinCmDepi Tapp Eff Drft CmDepi Tapp Eff Drft CmDepi Tapp Eff Drft
010661 0 2 4.001.4201.9500.0500
100761 0 2 4.001.4201.9500.0500
150861 0 2 4.001.4201.9500.0500
010662 0 2 4.001.4201.9500.0500
100762 0 2 4.001.4201.9500.0500
150862 0 2 4.001.4201.9500.0500
010663 0 2 4.001.4201.9500.0500
100763 0 2 4.001.4201.9500.0500
150863 0 2 4.001.4201.9500.0500
010664 0 2 4.001.4201.9500.0500
100764 0 2 4.001.4201.9500.0500
150864 0 2 4.001.4201.9500.0500
010665 0 2 4.001.4201.9500.0500
100765 0 2 4.001.4201.9500.0500
150865 0 2 4.001.4201.9500.0500
010666 0 2 4.001.4201.9500.0500
100766 0 2 4.001.4201.9500.0500
150866 0 2 4.001.4201.9500.0500
010667 0 2 4.001.4201.9500.0500
100767 0 2 4.001.4201.9500.0500
150867 0 2 4.001.4201.9500.0500
010668 0 2 4.001.4201.9500.0500
100768 0 2 4.001.4201.9500.0500
150868 0 2 4.001.4201.9500.0500
010669 0 2 4.001.4201.9500.0500
100769 0 2 4.001.4201.9500.0500
150869 0 2 4.001.4201.9500.0500
010670 0 2 4.001.4201.9500.0500
100770 0 2 4.001.4201.9500.0500
150870 0 2 4.001.4201.9500.0500
010671 0 2 4.001.4201.9500.0500
100771 0 2 4.001.4201.9500.0500
150871 0 2 4.001.4201.9500.0500

```

010672 0 2 4.001.4201.9500.0500  
100772 0 2 4.001.4201.9500.0500  
150872 0 2 4.001.4201.9500.0500  
010673 0 2 4.001.4201.9500.0500  
100773 0 2 4.001.4201.9500.0500  
150873 0 2 4.001.4201.9500.0500  
010674 0 2 4.001.4201.9500.0500  
100774 0 2 4.001.4201.9500.0500  
150874 0 2 4.001.4201.9500.0500  
010675 0 2 4.001.4201.9500.0500  
100775 0 2 4.001.4201.9500.0500  
150875 0 2 4.001.4201.9500.0500  
010676 0 2 4.001.4201.9500.0500  
100776 0 2 4.001.4201.9500.0500  
150876 0 2 4.001.4201.9500.0500  
010677 0 2 4.001.4201.9500.0500  
100777 0 2 4.001.4201.9500.0500  
150877 0 2 4.001.4201.9500.0500  
010678 0 2 4.001.4201.9500.0500  
100778 0 2 4.001.4201.9500.0500  
150878 0 2 4.001.4201.9500.0500  
010679 0 2 4.001.4201.9500.0500  
100779 0 2 4.001.4201.9500.0500  
150879 0 2 4.001.4201.9500.0500  
010680 0 2 4.001.4201.9500.0500  
100780 0 2 4.001.4201.9500.0500  
150880 0 2 4.001.4201.9500.0500  
010681 0 2 4.001.4201.9500.0500  
100781 0 2 4.001.4201.9500.0500  
150881 0 2 4.001.4201.9500.0500  
010682 0 2 4.001.4201.9500.0500  
100782 0 2 4.001.4201.9500.0500  
150882 0 2 4.001.4201.9500.0500  
010683 0 2 4.001.4201.9500.0500  
100783 0 2 4.001.4201.9500.0500  
150883 0 2 4.001.4201.9500.0500  
010684 0 2 4.001.4201.9500.0500  
100784 0 2 4.001.4201.9500.0500  
150884 0 2 4.001.4201.9500.0500  
010685 0 2 4.001.4201.9500.0500  
100785 0 2 4.001.4201.9500.0500  
150885 0 2 4.001.4201.9500.0500  
010686 0 2 4.001.4201.9500.0500  
100786 0 2 4.001.4201.9500.0500  
150886 0 2 4.001.4201.9500.0500  
010687 0 2 4.001.4201.9500.0500  
100787 0 2 4.001.4201.9500.0500  
150887 0 2 4.001.4201.9500.0500  
010688 0 2 4.001.4201.9500.0500  
100788 0 2 4.001.4201.9500.0500  
150888 0 2 4.001.4201.9500.0500  
010689 0 2 4.001.4201.9500.0500  
100789 0 2 4.001.4201.9500.0500  
150889 0 2 4.001.4201.9500.0500  
010690 0 2 4.001.4201.9500.0500  
100790 0 2 4.001.4201.9500.0500  
150890 0 2 4.001.4201.9500.0500

\*\*\*

\*\*\* Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,  
(1)(IPSCND,UPTKF)

\*\*\*FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3  
0.00E+00 10.00E+00

\*\*\*

\*\*\* Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1  
0.00E+000.00E+005.00E-01

\*\*\*

\*\*\* Record 19: (A78) STITLE - label for soil properties  
Riviera Sand; HYDG: C Brief description of soil proper

\*\*\*

\*\*\* Record 20: (F8.0,8X,9I4)

CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG

```

***CORED (cm)      BD TH KD HS MOC IR IT ID BIO
1.00E+02          0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (1)DAIR, (1)HENRYK, (1)ENPY
4.30E+036.90E-092.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
0.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
1.00E-017.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
0.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
2.00E+007.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 3: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
0.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
4.00E+002.11E-019.10E-021.74E-011.84E+01
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
WATR YEAR 10 PEST YEAR 10 CONC YEAR 10 1
***
*** Record 43: (I8) EXMENV
99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
1 CASSNO: -999 7 10.00E+00
***
*** Record 45: NLOTS (number of time series variables,STEP4)
0 YEAR
***
*** Records 46: Plotting variables

```

## EXAMS INPUT FILE

```

! Version: Express v. 1.03.02 (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!
set kchem = 1
set prswg = 0
set mchem = 1
chem name is Deg-SUM
set mwt(1)= 4.2290E+02
set sol(1,1)= 3.3000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.0600E+04
set vapr(1)= 1.0000E-10

```

```

! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 1.2034E-04
set qtbts(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 0.0000E+00
set qbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 1.5201E-03
set kbh(1,1,1)= 0.0000E+00
!
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-c1.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!
set mchem = 1
read przm p2e-c1.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d65
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1

```

```
read przm p2e-c1.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
```

```

! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d77
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d78
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d79
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d80
! OPP/EFED static hydrology

```



```
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d81
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d82
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d83
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
```

```

set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

## **FD Method**

### **Isomer 1**

#### **PRZM INPUT FILE**

```

*** Record 1: (A78), TITLE - label for simulation title
Express v. 1.03.02 (2007-07-20)
*** "FL Tomato (General Vegetable Scenario): MLRA 155,
***
*** Record 2: (A78), HTITLE - Hydrology Information Title
"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in F
***
*** Record 3: (2F8.0,I8,F8.0,2I8,5I4) PFAC,SFAC,IPEIND,ANETD,INICRP,ISCOND
***PFAC SFAC IPEIND ANETD INICRP ISCOND (WDM data sets not used)
7.80E-010.00E+00 03.25E+01 1 1
***
*** Record 6: (I8) ERFLAG: Flag to calculate erosion
4
***
*** Record 7: (4F8.0,8X,I8,2F8.0) USLEK,USLELS,USLEP,AFIELD,IREG,SLP,HL
***USLEKUSLELS USLEP AFIELD IREG SLP HL
3.00E-022.00E-011.00E+001.00E+01 4 1.00 356.80
***
*** Record 8: (I8) NDC - Number of different crops simulated; FLITNUM
1 0
***
*** Record 9 for Crop 1: (I8,3F8.0,I8,3(IX,I3),2F8.0)
ICNCN,CINTCP,AMXDR,COVMAX,ICNAH,(3)CN,WFMAX,HTMAX
***ICNCNCINTCP AMXDR COVMAX ICNAH CN1 CN2 CN3WFMAX HTMAX
11.00E-013.00E+014.00E+01 3 91 87 880.00E+001.50E+02
***
*** Record 9A (2I8): CROPNO,NUSLEC - Crop, Number of USLE C (cover management) factors
1 27
*** Record 9B: (16(I2,I2,1X) GDUSLEC,GMUSLEC for each USLEC

```

```

***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108 1008
*** Record 9C: (16(F4.0,1X)) - USLEC (USLE Cover management factors)
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162 .210
*** Record 9D: (16(F4.0,1X)) - MNGN - Manning's N for each USLEC
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
*** Record 9E: (16(I4,1X)) - CN(II) for each USLEC
87 87 87 87 87 87 87 87 91 91 91 91 91 91 91
***
*** Continuation of Records 9B,9C,9D,9E for USLEC 17-27
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
91 91 91 91 91 91 91 91 91 91 91 91
***
*** Record 10: (I8) NCPDS - number of cropping periods
30
***
*** Record(s) 11: (2X,3I2,2X,3I2,3X,3I2,I8) - dates of crop EMergence, MATuration, and
HARvest
*** EMD,EMM,IYREM,MAD,MAM,IYRMAT,HAD,HAM,IYRHAR,INCROP
***EMerge MAture HARvest
***DDMMYY DDMMYY DDMMYY Crop No.
010261 210461 150561 1
010262 210462 150562 1
010263 210463 150563 1
010264 210464 150564 1
010265 210465 150565 1
010266 210466 150566 1
010267 210467 150567 1
010268 210468 150568 1
010269 210469 150569 1
010270 210470 150570 1
010271 210471 150571 1
010272 210472 150572 1
010273 210473 150573 1
010274 210474 150574 1
010275 210475 150575 1
010276 210476 150576 1
010277 210477 150577 1
010278 210478 150578 1
010279 210479 150579 1
010280 210480 150580 1
010281 210481 150581 1
010282 210482 150582 1
010283 210483 150583 1
010284 210484 150584 1
010285 210485 150585 1
010286 210486 150586 1
010287 210487 150587 1
010288 210488 150588 1
010289 210489 150589 1
010290 210490 150590 1
***
*** Record 12: (A78) PTITLE - Label for pesticide
Chemical Input Data:
***
*** Record 13: (4I8) NAPS,NCHEM,FRMFLG,DK2FLG
*** NAPS NCHEM FRMFLG DK2FLG
90 2 0 0
***
*** Record 15: (3A20) Name(s) of pesticides for output titles
Alfa-SDF First Metabolite
***
*** Record(s) 16: (2X,3I2,I3,3(I2,F5.0,F6.0,F5.0,F5.0)) - application data
*** including the application date (APD,APM,IAPYR), WINDAY, and
(2)(CAM,DEPI,TAPP,APPEFF,DRFT)
***DDMMYYWinCmDepi Tapp Eff Drft CmDepi Tapp Eff Drft CmDepi Tapp Eff Drft
010661 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100761 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500

```



```

100785 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150885 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010686 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100786 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150886 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010687 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100787 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150887 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010688 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100788 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150888 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010689 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100789 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150889 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010690 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100790 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150890 0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
***
*** Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,
(2)(IPSCND,UPTKF)
***FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3
0.00E+00 10.00E+00 10.00E+00
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1
0.00E+000.00E+005.00E-01
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 2
0.00E+000.00E+005.00E-01
***
*** Record 18A: (3F8.0) PTRAN12,PTRAN13,PTRAN23 (foliar metabolite generation rates (not
used))
0.0 0.0 0.0
***
*** Record 19: (A78) STITLE - label for soil properties
Riviera Sand; HYDG: C Brief description of soil proper
***
*** Record 20: (F8.0,8X,9I4)
CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG
***CORED (cm) BD TH KD HS MOC IR IT ID BIO
1.00E+02 0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (2)DAIR, (2)HENRYK, (2)ENPY
4.30E+034.30E+031.24E-036.90E-092.00E+012.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(2)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
6.90E-020.00E+006.90E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
1.00E-017.30E-022.30E-021.16E+001.23E+021.23E+02
***
*** Record 39 for Horizon 1: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
***
DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23
7.58E-010.00E+000.00E+007.58E-010.00E+000.00E+00
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(2)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
6.90E-020.00E+006.90E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
2.00E+007.30E-022.30E-021.16E+001.23E+021.23E+02
***
*** Record 39 for Horizon 2: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
***
DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23

```

```

7.58E-010.00E+000.00E+007.58E-010.00E+000.00E+00
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THETO,AD,(2)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 3: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
6.90E-020.00E+006.90E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
4.00E+002.11E-019.10E-021.74E-011.84E+011.84E+01
***
*** Record 39 for Horizon 3: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
*** DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23
7.58E-010.00E+000.00E+007.58E-010.00E+000.00E+00
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
WATR YEAR 10 PEST YEAR 10 CONC YEAR 10 1
***
*** Record 43: (I8) EXMENV
99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
1 CASSNO: -999 7 10.00E+00
***
*** Record 44 for Chemical 2: EXMCHM,CAS Number,NPROC,RFORM,YIELD
1 CASSNO: -999 1 10.00E+00
***
*** Record 45: NPLOTS (number of time series variables,STEP4)
0 YEAR
***
*** Records 46: Plotting variables

```

#### EXAMS INPUT FILE

```

! Version: Express v. 1.03.02 (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!
set kchem = 2
set prswg = 0
set mchem = 1
chem name is Alfa-SDF
set mwt(1)= 4.0690E+02
set sol(1,1)= 5.3000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.0600E+04
set vapr(1)= 3.0100E-05
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 1.0098E-04
set qtbs(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 2.5334E-04
set qbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 1.5201E-03
set kbh(1,1,1)= 0.0000E+00
!
set mchem = 2
chem name is First Metabolite
set mwt(2)= 4.2290E+02
set sol(1,2)= 3.3000E-01
set mp(2)=-9.9000E+01
set Koc(2)= 1.0600E+04

```

```

set vapr(2)= 1.0000E-10
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,2)= 1.2034E-04
set qtbts(*,1,2)= 2.5000E+01
set qtbas(*,1,2)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,2)= 0.0000E+00
set qbtbw(*,1,2)= 2.5000E+01
set qtbaw(*,1,2)= 2.0000E+00
set kdp(1,2)= 0.0000E+00
set kah(1,1,2)= 0.0000E+00
set knh(1,1,2)= 1.5201E-03
set kbh(1,1,2)= 0.0000E+00
!
!
set chpar(1) = 1
set tprod(1) = 2
set nproc(1) = 7
set rform(1) = 1
set yield(1) = 1.0390E+00
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-c1.d61
set mchem = 2
read przm p2e-c2.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!
set mchem = 1
read przm p2e-c1.d62
set mchem = 2
read przm p2e-c2.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
set mchem = 2
read przm p2e-c2.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
set mchem = 2
read przm p2e-c2.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0

```

```

set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d65
set mchem = 2
read przm p2e-c2.d65
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d66
set mchem = 2
read przm p2e-c2.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
set mchem = 2
read przm p2e-c2.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
set mchem = 2
read przm p2e-c2.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d69
set mchem = 2
read przm p2e-c2.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
set mchem = 2
read przm p2e-c2.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0

```



```
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d71
set mchem = 2
read przm p2e-c2.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
set mchem = 2
read przm p2e-c2.d72
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
set mchem = 2
read przm p2e-c2.d73
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
set mchem = 2
read przm p2e-c2.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
set mchem = 2
read przm p2e-c2.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
set mchem = 2
read przm p2e-c2.d76
! OPP/EFED static hydrology
set evap(*,*)=0.0
```

```
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d77
set mchem = 2
read przm p2e-c2.d77
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d78
set mchem = 2
read przm p2e-c2.d78
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d79
set mchem = 2
read przm p2e-c2.d79
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d80
set mchem = 2
read przm p2e-c2.d80
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d81
set mchem = 2
read przm p2e-c2.d81
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d82
set mchem = 2
read przm p2e-c2.d82
! OPP/EFED static hydrology
```

```

set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d83
set mchem = 2
read przm p2e-c2.d83
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
set mchem = 2
read przm p2e-c2.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
set mchem = 2
read przm p2e-c2.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
set mchem = 2
read przm p2e-c2.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
set mchem = 2
read przm p2e-c2.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
set mchem = 2
read przm p2e-c2.d88

```

```

! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
set mchem = 2
read przm p2e-c2.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d90
set mchem = 2
read przm p2e-c2.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

## Isomer 2

### PRZM INPUT FILE

```

*** Record 1: (A78), TITLE - label for simulation title
Express v. 1.03.02 (2007-07-20)
*** "FL Tomato (General Vegetable Scenario): MLRA 155,
***
*** Record 2: (A78), HTITLE - Hydrology Information Title
"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in F
***
*** Record 3: (2F8.0,I8,F8.0,2I8,5I4) PFAC,SFAC,IPEIND,ANETD,INICRP,ISCOND
***PFAC SFAC IPEIND ANETD INICRP ISCOND (WDM data sets not used)
7.80E-010.00E+00 03.25E+01 1 1
***
*** Record 6: (I8) ERFLAG: Flag to calculate erosion
4
***
*** Record 7: (4F8.0,8X,I8,2F8.0) USLEK,USLELS,USLEP,AFIELD,IREG,SLP,HL
***USLEKUSLELS USLEP AFIELD IREG SLP HL
3.00E-022.00E-011.00E+001.00E+01 4 1.00 356.80
***
*** Record 8: (I8) NDC - Number of different crops simulated; FLITNUM
1 0
***
*** Record 9 for Crop 1: (I8,3F8.0,I8,3(1X,I3),2F8.0)
ICNCN,CINTCP,AMXDR,COVMAX,ICNAH,(3)CN,WFMAX,HTMAX
***ICNCNCINTCP AMXDR COVMAX ICNAH CN1 CN2 CN3WFMAX HTMAX
11.00E-013.00E+014.00E+01 3 91 87 880.00E+001.50E+02
***
*** Record 9A (2I8): CROPNO,NUSLEC - Crop, Number of USLE C (cover management) factors
1 27
*** Record 9B: (16(I2,I2,1X) GDUSLEC,GMUSLEC for each USLEC
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108 1008
*** Record 9C: (16(F4.0,1X)) - USLEC (USLE Cover management factors)
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162 .210
*** Record 9D: (16(F4.0,1X)) - MNGN - Manning's N for each USLEC

```

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011  
\*\*\* Record 9E: (16(I4,1X)) - CN(II) for each USLEC  
87 87 87 87 87 87 87 87 87 91 91 91 91 91 91 91

\*\*\* Continuation of Records 9B,9C,9D,9E for USLEC 17-27  
\*\*\*M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM  
1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601  
.291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830  
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011  
91 91 91 91 91 91 91 91 91 91 91 91

\*\*\* Record 10: (I8) NCPDS - number of cropping periods  
30

\*\*\* Record(s) 11: (2X,3I2,2X,3I2,3X,3I2,I8) - dates of crop EMergence, MATuration, and HARvest

\*\*\* EMD,EMM,IYREM,MAD,MAM,IYRMAT,HAD,HAM,IYRHRAR,INCROP  
\*\*\*EMerge MAture HARvest

DDMMYY	DDMMYY	DDMMYY	Crop No.
010261	210461	150561	1
010262	210462	150562	1
010263	210463	150563	1
010264	210464	150564	1
010265	210465	150565	1
010266	210466	150566	1
010267	210467	150567	1
010268	210468	150568	1
010269	210469	150569	1
010270	210470	150570	1
010271	210471	150571	1
010272	210472	150572	1
010273	210473	150573	1
010274	210474	150574	1
010275	210475	150575	1
010276	210476	150576	1
010277	210477	150577	1
010278	210478	150578	1
010279	210479	150579	1
010280	210480	150580	1
010281	210481	150581	1
010282	210482	150582	1
010283	210483	150583	1
010284	210484	150584	1
010285	210485	150585	1
010286	210486	150586	1
010287	210487	150587	1
010288	210488	150588	1
010289	210489	150589	1
010290	210490	150590	1

\*\*\* Record 12: (A78) PTITLE - Label for pesticide  
Chemical Input Data:

\*\*\* Record 13: (4I8) NAPS,NCHEM,FRMFLG,DK2FLG  
\*\*\* NAPS NCHEM FRMFLG DK2FLG  
90 2 0 0

\*\*\* Record 15: (3A20) Name(s) of pesticides for output titles  
Beta-SDF First Metabolite

\*\*\* Record(s) 16: (2X,3I2,I3,3(I2,F5.0,F6.0,F5.0,F5.0)) - application data  
including the application date (APD,APM,IAPYR), WINDAY, and  
(2)(CAM,DEPI,TAPP,APPEFF,DRFT)

DDMMYYWinCmDepi	Tapp	Eff	Drft	CmDepi	Tapp	Eff	Drft	CmDepi	Tapp	Eff	Drft
010661	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
100761	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
150861	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
010662	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
100762	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
150862	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						
010663	0	2	4.001.1836.9500.0500	2	4.000.0000.9500.0500						



```

010687 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100787 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150887 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010688 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100788 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150888 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010689 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100789 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150889 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010690 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100790 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150890 0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
***
*** Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,
(2)(IPSCND,UPTKF)
***FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3
0.00E+00 10.00E+00 10.00E+00
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1
0.00E+000.00E+005.00E-01
***
*** Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 2
0.00E+000.00E+005.00E-01
***
*** Record 18A: (3F8.0) PTRAN12,PTRAN13,PTRAN23 (foliar metabolite generation rates (not
used))
0.0 0.0 0.0
***
*** Record 19: (A78) STITLE - label for soil properties
Riviera Sand; HYDG: C Brief description of soil proper
***
*** Record 20: (F8.0,8X,9I4)
CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG
***CORED (cm) BD TH KD HS MOC IR IT ID BIO
1.00E+02 0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (2)DAIR, (2)HENRYK, (2)ENPY
4.30E+034.30E+031.07E-046.90E-092.00E+012.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(2)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
7.58E-030.00E+007.58E-030.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
1.00E-017.30E-022.30E-021.16E+001.57E+021.23E+02
***
*** Record 39 for Horizon 1: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
***
DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23
2.47E-020.00E+000.00E+002.47E-020.00E+000.00E+00
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(2)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
7.58E-030.00E+007.58E-030.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
2.00E+007.30E-022.30E-021.16E+001.57E+021.23E+02
***
*** Record 39 for Horizon 2: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
***
DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23
2.47E-020.00E+000.00E+002.47E-020.00E+000.00E+00
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(2)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+000.00E+00
***

```

```

*** Record 36 for Horizon 3: (8X,9F8.0) (2)DWRATE,(2)DSRATE,(2)DGRATE
    7.58E-030.00E+007.58E-030.00E+000.00E+000.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(2)KDs
    4.00E+002.11E-019.10E-021.74E-012.35E+011.84E+01
***
*** Record 39 for Horizon 3: (8X,6F8.0) DKRW12,DKRW13,DKRW23,DKRS12,DKRS13,DKRS23
***   DKRW12 DKRW13 DKRW23 DKRS12 DKRS13 DKRS23
    2.47E-020.00E+000.00E+002.47E-020.00E+000.00E+00
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
    0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
WATR  YEAR  YEAR  10  PEST  YEAR  10  CONC  YEAR  10  1
***
*** Record 43: (I8) EXMENV
    99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
    1  CASSNO: -999  7  10.00E+00
***
*** Record 44 for Chemical 2: EXMCHM,CAS Number,NPROC,RFORM,YIELD
    1  CASSNO: -999  1  10.00E+00
***
*** Record 45: NPLOTS (number of time series variables,STEP4)
    0  YEAR
***
*** Records 46: Plotting variables

```

#### EXAMS INPUT FILE

```

! Version: Express      v. 1.03.02      (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!
set kchem = 2
set prswg = 0
set mchem = 1
chem name is          Beta-SDF
set mwt(1)= 4.0690E+02
set sol(1,1)= 2.8000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.3500E+04
set vapr(1)= 1.3700E-06
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 7.5605E-05
set qtbts(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 6.9426E-05
set qtbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 2.6256E-03
set kbh(1,1,1)= 0.0000E+00
!
set mchem = 2
chem name is          First Metabolite
set mwt(2)= 4.2290E+02
set sol(1,2)= 3.3000E-01
set mp(2)=-9.9000E+01
set Koc(2)= 1.0600E+04
set vapr(2)= 1.0000E-10
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,2)= 1.2034E-04
set qtbts(*,1,2)= 2.5000E+01
set qtbas(*,1,2)= 2.0000E+00

```



```

! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,2)= 0.0000E+00
set qbtw(*,1,2)= 2.5000E+01
set qtbaw(*,1,2)= 2.0000E+00
set kdp(1,2)= 0.0000E+00
set kah(1,1,2)= 0.0000E+00
set knh(1,1,2)= 1.5201E-03
set kbh(1,1,2)= 0.0000E+00
!
!
set chpar(1) = 1
set tprod(1) = 2
set nproc(1) = 7
set rform(1) = 1
set yield(1) = 1.0390E+00
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-c1.d61
set mchem = 2
read przm p2e-c2.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!
set mchem = 1
read przm p2e-c1.d62
set mchem = 2
read przm p2e-c2.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
set mchem = 2
read przm p2e-c2.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
set mchem = 2
read przm p2e-c2.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1

```

```
read przm p2e-c1.d65
set mchem = 2
read przm p2e-c2.d65
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d66
set mchem = 2
read przm p2e-c2.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
set mchem = 2
read przm p2e-c2.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
set mchem = 2
read przm p2e-c2.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d69
set mchem = 2
read przm p2e-c2.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
set mchem = 2
read przm p2e-c2.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
```

```
set mchem = 1
read przm p2e-c1.d71
set mchem = 2
read przm p2e-c2.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
set mchem = 2
read przm p2e-c2.d72
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
set mchem = 2
read przm p2e-c2.d73
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
set mchem = 2
read przm p2e-c2.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
set mchem = 2
read przm p2e-c2.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
set mchem = 2
read przm p2e-c2.d76
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
```

```
!  
set mchem = 1  
read przm p2e-c1.d77  
set mchem = 2  
read przm p2e-c2.d77  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0  
continue  
!  
set mchem = 1  
read przm p2e-c1.d78  
set mchem = 2  
read przm p2e-c2.d78  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0  
continue  
!  
set mchem = 1  
read przm p2e-c1.d79  
set mchem = 2  
read przm p2e-c2.d79  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0  
continue  
!  
set mchem = 1  
read przm p2e-c1.d80  
set mchem = 2  
read przm p2e-c2.d80  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0  
continue  
!  
set mchem = 1  
read przm p2e-c1.d81  
set mchem = 2  
read przm p2e-c2.d81  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0  
continue  
!  
set mchem = 1  
read przm p2e-c1.d82  
set mchem = 2  
read przm p2e-c2.d82  
! OPP/EFED static hydrology  
set evap(*,*)=0.0  
set rain(*,*)=0.0  
set npsfl(*,*)=0.0  
set npsed(*,*)=0.0  
set stflo(1,*)=0.0
```

```
continue
!
set mchem = 1
read przm p2e-c1.d83
set mchem = 2
read przm p2e-c2.d83
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
set mchem = 2
read przm p2e-c2.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
set mchem = 2
read przm p2e-c2.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
set mchem = 2
read przm p2e-c2.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
set mchem = 2
read przm p2e-c2.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
set mchem = 2
read przm p2e-c2.d88
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
```

```

set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
set mchem = 2
read przm p2e-c2.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d90
set mchem = 2
read przm p2e-c2.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

### **TR Method**

#### **PRZM INPUT FILE**

```

! Version: Express      v. 1.03.02      (2007-07-20)
set outfil(1) = yes
set outfil(6) = yes
set outfil(7) = yes
!
set kchem = 1
set prswg = 0
set mchem = 1
chem name is          ChemicalTTR
set mwt(1)= 4.0690E+02
set sol(1,1)= 5.3000E-01
set mp(1)=-9.9000E+01
set Koc(1)= 1.0600E+04
set vapr(1)= 1.3700E-06
! N.B.: This KBACS is a pseudo-first-order rate for USEPA Tier II use only!
set kbacs(*,1,1)= 7.5605E-05
set qtbt(*,1,1)= 2.5000E+01
set qtbas(*,1,1)= 2.0000E+00
! N.B.: This KBACW is a pseudo-first-order rate for USEPA Tier II use only!
set kbacw(*,1,1)= 1.0813E-05
set qtbtw(*,1,1)= 2.5000E+01
set qtbaw(*,1,1)= 2.0000E+00
set kdp(1,1)= 0.0000E+00
set kah(1,1,1)= 0.0000E+00
set knh(1,1,1)= 1.5201E-03
set kbh(1,1,1)= 0.0000E+00
!
!
!
read env POND298.EXV
read meteorology W12844.DVF
set year1 = 1961
echo off
!
set mchem = 1
read przm p2e-c1.d61
! OPP/EFED static hydrology
set evap(*,*)=0.0

```

```
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
run
!
set mchem = 1
read przm p2e-c1.d62
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d63
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d64
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d65
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d66
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d67
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d68
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
```

```
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d69
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d70
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d71
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d72
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d73
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d74
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d75
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
```



```
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d76
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d77
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d78
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d79
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d80
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d81
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d82
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
```

```
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d83
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d84
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d85
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d86
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d87
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d88
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
set mchem = 1
read przm p2e-c1.d89
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
```

```

continue
!
set mchem = 1
read przm p2e-cl.d90
! OPP/EFED static hydrology
set evap(*,*)=0.0
set rain(*,*)=0.0
set npsfl(*,*)=0.0
set npsed(*,*)=0.0
set stflo(1,*)=0.0
continue
!
quit

```

**EXAMS INPUT FILE**

```

*** Record 1: (A78), TITLE - label for simulation title
Express      v. 1.03.02      (2007-07-20)
*** "FL Tomato (General Vegetable Scenario): MLRA 155,
***
*** Record 2: (A78), HTITLE - Hydrology Information Title
"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in F
***
*** Record 3: (2F8.0,I8,F8.0,2I8,5I4) PFAC,SFAC,IPEIND,ANETD,INICRP,ISCOND
***PFAC SFAC      IPEIND ANETD      INICRP ISCOND      (WDM data sets not used)
7.80E-010.00E+00      03.25E+01      1      1
***
*** Record 6: (I8) ERFLAG: Flag to calculate erosion
4
***
*** Record 7: (4F8.0,8X,I8,2F8.0) USLEK,USLELS,USLEP,AFIELD,IREG,SLP,HL
***USLEKUSLELS USLEP AFIELD      IREG      SLP      HL
3.00E-022.00E-011.00E+001.00E+01      4      1.00 356.80
***
*** Record 8: (I8) NDC - Number of different crops simulated; FLITNUM
1 0
***
*** Record 9 for Crop 1: (I8,3F8.0,I8,3(1X,I3),2F8.0)
ICNCN,CINTCP,AMXDR,COVMAX,ICNAH,(3)CN,WFMAX,HTMAX
***ICNCNCINTCP AMXDR COVMAX ICNAH      CN1 CN2 CN3WFMAX HTMAX
11.00E-013.00E+014.00E+01      3 91 87 880.00E+001.50E+02
***
*** Record 9A (2I8): CROPNO,NUSLEC - Crop, Number of USLE C (cover management) factors
1 27
*** Record 9B: (16(I2,I2,1X) GDUSLEC,GMUSLEC for each USLEC
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108 1008
*** Record 9C: (16(F4.0,1X)) - USLEC (USLE Cover management factors)
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162 .210
*** Record 9D: (16(F4.0,1X)) - MNGN - Manning's N for each USLEC
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
*** Record 9E: (16(I4,1X)) - CN(II) for each USLEC
87 87 87 87 87 87 87 87 91 91 91 91 91 91 91 91
***
*** Continuation of Records 9B,9C,9D,9E for USLEC 17-27
***M DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM DDMM
1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
91 91 91 91 91 91 91 91 91 91 91 91 91 91
***
*** Record 10: (I8) NCPDS - number of cropping periods
30
***
*** Record(s) 11: (2X,3I2,2X,3I2,3X,3I2,I8) - dates of crop EMergence, MATuration, and
HARvest
*** EMD,EMM,IYREM,MAD,MAM,IYRMAT,HAD,HAM,IYRHAR,INCROP
***EMerge MAture HARvest
***DDMMYY DDMMYY DDMMYY Crop No.
010261 210461 150561 1
010262 210462 150562 1

```



100770 0 2 4.003.3626.9500.0500  
150870 0 2 4.003.3626.9500.0500  
010671 0 2 4.003.3626.9500.0500  
100771 0 2 4.003.3626.9500.0500  
150871 0 2 4.003.3626.9500.0500  
010672 0 2 4.003.3626.9500.0500  
100772 0 2 4.003.3626.9500.0500  
150872 0 2 4.003.3626.9500.0500  
010673 0 2 4.003.3626.9500.0500  
100773 0 2 4.003.3626.9500.0500  
150873 0 2 4.003.3626.9500.0500  
010674 0 2 4.003.3626.9500.0500  
100774 0 2 4.003.3626.9500.0500  
150874 0 2 4.003.3626.9500.0500  
010675 0 2 4.003.3626.9500.0500  
100775 0 2 4.003.3626.9500.0500  
150875 0 2 4.003.3626.9500.0500  
010676 0 2 4.003.3626.9500.0500  
100776 0 2 4.003.3626.9500.0500  
150876 0 2 4.003.3626.9500.0500  
010677 0 2 4.003.3626.9500.0500  
100777 0 2 4.003.3626.9500.0500  
150877 0 2 4.003.3626.9500.0500  
010678 0 2 4.003.3626.9500.0500  
100778 0 2 4.003.3626.9500.0500  
150878 0 2 4.003.3626.9500.0500  
010679 0 2 4.003.3626.9500.0500  
100779 0 2 4.003.3626.9500.0500  
150879 0 2 4.003.3626.9500.0500  
010680 0 2 4.003.3626.9500.0500  
100780 0 2 4.003.3626.9500.0500  
150880 0 2 4.003.3626.9500.0500  
010681 0 2 4.003.3626.9500.0500  
100781 0 2 4.003.3626.9500.0500  
150881 0 2 4.003.3626.9500.0500  
010682 0 2 4.003.3626.9500.0500  
100782 0 2 4.003.3626.9500.0500  
150882 0 2 4.003.3626.9500.0500  
010683 0 2 4.003.3626.9500.0500  
100783 0 2 4.003.3626.9500.0500  
150883 0 2 4.003.3626.9500.0500  
010684 0 2 4.003.3626.9500.0500  
100784 0 2 4.003.3626.9500.0500  
150884 0 2 4.003.3626.9500.0500  
010685 0 2 4.003.3626.9500.0500  
100785 0 2 4.003.3626.9500.0500  
150885 0 2 4.003.3626.9500.0500  
010686 0 2 4.003.3626.9500.0500  
100786 0 2 4.003.3626.9500.0500  
150886 0 2 4.003.3626.9500.0500  
010687 0 2 4.003.3626.9500.0500  
100787 0 2 4.003.3626.9500.0500  
150887 0 2 4.003.3626.9500.0500  
010688 0 2 4.003.3626.9500.0500  
100788 0 2 4.003.3626.9500.0500  
150888 0 2 4.003.3626.9500.0500  
010689 0 2 4.003.3626.9500.0500  
100789 0 2 4.003.3626.9500.0500  
150889 0 2 4.003.3626.9500.0500  
010690 0 2 4.003.3626.9500.0500  
100790 0 2 4.003.3626.9500.0500  
150890 0 2 4.003.3626.9500.0500

\*\*\*

\*\*\* Record 17: (includes data for each chemical) (F8.0,3(I8,F8.0)) FILTRA,  
(1)(IPSCND,UPTKF)

\*\*\*FILT IPSCND1 UPTKF1 IPSCND2 UPTKF2 IPSCND3 UPTKF3  
0.00E+00 10.00E+00

\*\*\*

\*\*\* Record 18: (3F8.0) PLVKRT,PLDKRT,FEXTRC for Chemical 1  
0.00E+000.00E+005.00E-01

\*\*\*

```

*** Record 19: (A78) STITLE - label for soil properties
Riviera Sand; HYDG: C Brief description of soil proper
***
*** Record 20: (F8.0,8X,9I4)
CORED,BDFLAG,THFLAG,KDFLAG,HSWZT,MOC,IRFLAG,ITFLAG,IDFLAG,BIOFLG
***CORED (cm) BD TH KD HS MOC IR IT ID BIO
1.00E+02 0 0 0 0 0 0 0 0 0
***
*** Record 26: (9F8.0) (1)DAIR, (1)HENRYK, (1)ENPY
4.30E+035.66E-052.00E+01
***
*** Record 33: (I8) NHORIZ (total number of soil horizons)
3
***
*** Record 34 for Horizon 1: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
11.00E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 1: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
5.19E-045.19E-040.00E+00
***
*** Record 37 for Horizon 1: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
1.00E-017.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 2: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
26.20E+011.65E+007.30E-020.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 2: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
5.19E-045.19E-040.00E+00
***
*** Record 37 for Horizon 2: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
2.00E+007.30E-022.30E-021.16E+001.23E+02
***
*** Record 34 for Horizon 3: (I8,8F8.0) HORIZN,THKNS,BD,THET0,AD,(1)DISP,ADL
32.80E+011.70E+002.11E-010.00E+000.00E+000.00E+00
***
*** Record 36 for Horizon 3: (8X,9F8.0) (1)DWRATE,(1)DSRATE,(1)DGRATE
5.19E-045.19E-040.00E+00
***
*** Record 37 for Horizon 3: (8X,7F8.0) DPN,THEFC,THEWP,OC,(1)KDs
4.00E+002.11E-019.10E-021.74E-011.84E+01
***
*** Record 40: (2I8) ILP; CFLAG (blank if ILP=0)
0
***
*** Record 42: (3(4X,A4,4X,A4,I8),I4)
ITEM1,STEP1,LFREQ1,ITEM2,STEP2,LFREQ2,ITEM3,STEP3,LFREQ3,EXMFLG
WATR YEAR 10 PEST YEAR 10 CONC YEAR 10 1
***
*** Record 43: (I8) EXMENV
99
***
*** Record 44 for Chemical 1: EXMCHM,CAS Number,NPROC,RFORM,YIELD
1 CASSNO: -999 1 10.00E+00
***
*** Record 45: NPLOTS (number of time series variables,STEP4)
0 YEAR
***
*** Records 46: Plotting variables

```

## **PRZM/EXAMS INPUT FILES (PESTICIDE 2)**

### **Parent**

#### **PRZM/EXAMS OUTPUT FILE**

stored as Chem2.out

Chemical: Chemical 2

PRZM environment: PAturfSTD.txt

modified Thuday, 23 February 2006 at 17:55:08

EXAMS environment: pond298.exv

modified Thuday, 29 August 2002 at 16:33:30

Metfile: wl4751.dvf modified Wedday, 3 July 2002 at 09:06:14

Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.64	12.9	5.264	2.299	1.533	0.3779
1962	17.66	13.12	5.536	2.843	1.932	0.6012
1963	17.68	12.78	5.533	2.558	1.708	0.5715
1964	17.64	12.9	5.44	2.223	1.483	0.5429
1965	17.64	12.92	5.256	2.151	1.441	0.5907
1966	17.65	13.08	5.791	2.595	1.743	0.6605
1967	17.64	12.88	5.307	2.229	1.489	0.5237
1968	17.66	12.89	5.237	2.27	1.524	0.5226
1969	17.64	12.97	5.355	2.631	1.756	0.605
1970	17.64	12.97	5.321	2.148	1.436	0.5604
1971	17.64	13.05	6.911	2.979	1.988	0.6515
1972	19.75	14.34	5.955	2.382	1.589	0.9358
1973	17.66	12.95	5.272	2.473	1.669	0.5569
1974	17.64	12.99	5.348	2.315	1.547	0.549
1975	17.76	13.12	5.431	2.272	1.82	0.582
1976	17.69	12.96	5.325	2.477	1.766	0.5983
1977	17.65	12.93	5.521	2.582	1.724	0.5845
1978	17.64	13.04	5.398	2.246	1.498	0.5807
1979	17.65	13.01	5.354	2.172	1.612	0.8033
1980	17.65	12.95	6.776	3.107	2.08	0.6026
1981	17.64	12.94	5.273	2.146	1.433	0.5363
1982	17.65	13.04	5.405	2.208	1.472	0.5463
1983	17.72	13.13	5.704	4.051	2.703	0.7727
1984	17.64	13.03	5.923	2.536	1.691	0.7771
1985	18.23	14.99	6.504	2.857	1.917	0.6483
1986	17.64	13.23	5.964	2.724	1.817	0.6438
1987	17.66	12.99	6.911	3.106	2.081	0.6831
1988	17.64	13	6.328	2.611	1.741	0.5733
1989	17.65	12.96	5.336	2.324	1.566	0.529
1990	17.69	13.03	5.463	2.316	1.56	0.5391

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly	
0.032258064516129	19.75	14.99	6.911	4.051	2.703	0.9358	
0.0645161290322581	18.23	14.34	6.911	3.107	2.081	0.8033	
0.0967741935483871	17.76	13.23	6.776	3.106	2.08	0.7771	
0.129032258064516	17.72	13.13	6.504	2.979	1.988	0.7727	
0.161290322580645	17.69	13.12	6.328	2.857	1.932	0.6831	
0.193548387096774	17.69	13.12	5.964	2.843	1.917	0.6605	
0.225806451612903	17.68	13.08	5.955	2.724	1.82	0.6515	
0.258064516129032	17.66	13.05	5.923	2.631	1.817	0.6483	
0.290322580645161	17.66	13.04	5.791	2.611	1.766	0.6438	
0.32258064516129	17.66	13.04	5.704	2.595	1.756	0.605	
0.354838709677419	17.66	13.03	5.536	2.582	1.743	0.6026	
0.387096774193548	17.65	13.03	5.533	2.558	1.741	0.6012	
0.419354838709677	17.65	13.01	5.521	2.536	1.724	0.5983	
0.451612903225806	17.65	13	5.463	2.477	1.708	0.5907	
0.483870967741936	17.65	12.99	5.44	2.473	1.691	0.5845	
0.516129032258065	17.65	12.99	5.431	2.382	1.669	0.582	
0.548387096774194	17.65	12.97	5.405	2.324	1.612	0.5807	
0.580645161290323	17.64	12.97	5.398	2.316	1.589	0.5733	
0.612903225806452	17.64	12.96	5.355	2.315	1.566	0.5715	
0.645161290322581	17.64	12.96	5.354	2.299	1.56	0.5604	
0.67741935483871	17.64	12.95	5.348	2.272	1.547	0.5569	
0.709677419354839	17.64	12.95	5.336	2.27	1.533	0.549	
0.741935483870968	17.64	12.94	5.325	2.246	1.524	0.5463	
0.774193548387097	17.64	12.93	5.321	2.229	1.498	0.5429	
0.806451612903226	17.64	12.92	5.307	2.223	1.489	0.5391	
0.838709677419355	17.64	12.9	5.273	2.208	1.483	0.5363	
0.870967741935484	17.64	12.9	5.272	2.172	1.472	0.529	
0.903225806451613	17.64	12.89	5.264	2.151	1.441	0.5237	
0.935483870967742	17.64	12.88	5.256	2.148	1.436	0.5226	
0.967741935483871	17.64	12.78	5.237	2.146	1.433	0.3779	

0.1 17.756 13.22 6.7488 3.0933 2.0708 0.77666  
Average of yearly averages: 0.608333333333334

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Chem2  
Metfile: w14751.dvf  
PRZM scenario: PAturfSTD.txt  
EXAMS environment file: pond298.exv  
Chemical Name: Chemical 2  
Description Variable Name Value Units Comments  
Molecular weight mwt 295.3 g/mol  
Henry's Law Const. henry 4.42E-5 atm-m<sup>3</sup>/mol  
Vapor Pressure vapr 1.13E-4 torr  
Solubility sol 0.44 mg/L  
Kd Kd mg/L  
Koc Koc 6470 mg/L  
Photolysis half-life kdp 2.5 days Half-life  
Aerobic Aquatic Metabolism kbacw 378 days Halfife  
Anaerobic Aquatic Metabolism kbacs 9 days Halfife  
Aerobic Soil Metabolism asm 189 days Halfife  
Hydrolysis: pH 7 days Half-life  
Method: CAM 2 integer See PRZM manual  
Incorporation Depth: DEPI cm  
Application Rate: TAPP 35.84 kg/ha  
Application Efficiency: APPEFF 0.99 fraction  
Spray Drift DRFT 0.01 fraction of application rate applied to pond  
Application Date Date 15-11 dd/mm or dd/mmm or dd-mm or dd-mmm  
Record 17: FILTRA  
IPSCND  
UPTKF  
Record 18: PLVKRT  
PLDKRT  
FEXTRC 0.5  
Flag for Index Res. Run IR EPA Pond  
Flag for runoff calc. RUNOFF none none, monthly or total(average of entire run)

**Total Residue**

**PRZM/EXAMS OUTPUT FILE**

stored as Chem2.out  
Chemical: Chemical 2  
PRZM environment: PAturfSTD.txt modified Thuday, 23 February 2006 at 17:55:08  
EXAMS environment: pond298.exv modified Thuday, 29 August 2002 at 16:33:30  
Metfile: w14751.dvf modified Wedday, 3 July 2002 at 09:06:14  
Water segment concentrations (ppb)

Year	Peak	96 hr	21 Day	60 Day	90 Day	Yearly
1961	17.64	12.9	5.331	2.498	1.666	0.4107
1962	18.11	13.55	6.01	3.566	2.608	1.273
1963	18.22	13.3	6.145	3.376	2.44	1.558
1964	18.17	13.42	6.024	2.879	2.278	1.58
1965	18.22	13.49	5.863	2.844	2.432	1.655
1966	18.37	13.8	6.607	3.618	2.687	1.81
1967	18.28	13.51	5.976	2.982	2.238	1.623
1968	18.36	13.58	5.979	3.223	2.417	1.596
1969	18.47	13.79	6.227	3.793	2.845	1.793
1970	18.38	13.7	6.092	2.977	2.617	1.911
1971	18.33	13.73	7.817	3.911	2.87	1.678
1972	45.25	33.17	14.76	7.442	5.97	3.385
1973	18.82	14.1	6.442	3.796	2.998	2.372
1974	18.4	13.74	6.13	3.211	2.431	1.754
1975	19.08	14.4	6.707	4.114	3.676	1.813
1976	18.56	13.82	6.228	3.646	3.042	1.945
1977	18.3	13.58	6.252	3.544	2.609	1.866
1978	18.35	13.75	6.144	3.072	2.491	1.831
1979	18.61	13.97	6.597	4.57	3.784	2.371
1980	18.2	13.49	7.537	4.026	2.908	1.621



1981	18.27	13.56	5.925	2.878	2.26	1.647
1982	18.44	13.81	6.214	3.109	2.363	1.71
1983	18.24	13.65	7.78	5.165	3.645	1.717
1984	18.76	14.14	7.13	3.825	3.165	2.525
1985	19.27	15.95	7.494	4.082	3.07	2.154
1986	18.57	14.15	6.959	3.817	2.883	2.141
1987	18.46	13.78	7.958	4.16	3.077	2.022
1988	18.29	13.65	7.113	3.441	2.538	1.81
1989	18.38	13.68	6.1	3.307	2.522	1.587
1990	18.45	13.76	6.219	3.166	2.398	1.585

Sorted results

Prob.	Peak	96 hr	21 Day	60 Day	90 Day	Yearly		
0.032258064516129			45.25	33.17	14.76	7.442	5.97	3.385
0.0645161290322581			19.27	15.95	7.958	5.165	3.784	2.525
0.0967741935483871			19.08	14.4	7.817	4.57	3.676	2.372
0.129032258064516			18.82	14.15	7.78	4.16	3.645	2.371
0.161290322580645			18.76	14.14	7.537	4.114	3.165	2.154
0.193548387096774			18.61	14.1	7.494	4.082	3.077	2.141
0.225806451612903			18.57	13.97	7.13	4.026	3.07	2.022
0.258064516129032			18.56	13.82	7.113	3.911	3.042	1.945
0.290322580645161			18.47	13.81	6.959	3.825	2.998	1.911
0.32258064516129			18.46	13.8	6.707	3.817	2.908	1.866
0.354838709677419			18.45	13.79	6.607	3.796	2.883	1.831
0.387096774193548			18.44	13.78	6.597	3.793	2.87	1.813
0.419354838709677			18.4	13.76	6.442	3.646	2.845	1.81
0.451612903225806			18.38	13.75	6.252	3.618	2.687	1.81
0.483870967741936			18.38	13.74	6.228	3.566	2.617	1.793
0.516129032258065			18.37	13.73	6.227	3.544	2.609	1.754
0.548387096774194			18.36	13.7	6.219	3.441	2.608	1.717
0.580645161290323			18.35	13.68	6.214	3.376	2.538	1.71
0.612903225806452			18.33	13.65	6.145	3.307	2.522	1.678
0.645161290322581			18.3	13.65	6.144	3.223	2.491	1.655
0.67741935483871			18.29	13.58	6.13	3.211	2.44	1.647
0.709677419354839			18.28	13.58	6.1	3.166	2.432	1.623
0.741935483870968			18.27	13.56	6.092	3.109	2.431	1.621
0.774193548387097			18.24	13.55	6.024	3.072	2.417	1.596
0.806451612903226			18.22	13.51	6.01	2.982	2.398	1.587
0.838709677419355			18.22	13.49	5.979	2.977	2.363	1.585
0.870967741935484			18.2	13.49	5.976	2.879	2.278	1.58
0.903225806451613			18.17	13.42	5.925	2.878	2.26	1.558
0.935483870967742			18.11	13.3	5.863	2.844	2.238	1.273
0.967741935483871			17.64	12.9	5.331	2.498	1.666	0.4107

0.1 19.054 14.375 7.8133 4.529 3.6729 2.3719  
Average of yearly averages: 1.82479

Inputs generated by pe5.pl - Novemeber 2006

Data used for this run:

Output File: Chem2

Metfile: w14751.dvf

PRZM scenario: PA turfSTD.txt

EXAMS environment file: pond298.exv

Chemical Name: Chemical 2

Description	Variable Name	Value	Units	Comments
Molecular weight	mwt	295.3	g/mol	
Henry's Law Const.	henry	4.42E-5	atm-m <sup>3</sup> /mol	
Vapor Pressure	vapr	1.13E-4	torr	
Solubility	sol	0.44	mg/L	
Kd	Kd		mg/L	
Koc	Koc	6470	mg/L	
Photolysis half-life	kdp	1.83	days	Half-life
Aerobic Aquatic Metabolism	kbacw	2248	days	Halfife
Anaerobic Aquatic Metabolism	kbacs	2004	days	Halfife
Aerobic Soil Metabolism	asm	1124	days	Halfife
Hydrolysis:	pH 7		days	Half-life
Method:	CAM 2	integer	See PRZM manual	
Incorporation Depth:	DEPI		cm	
Application Rate:	TAPP	35.84	kg/ha	
Application Efficiency:	APPEFF	0.99	fraction	

```

Spray Drift   DRFT   0.01   fraction of application rate applied to pond
Application Date   Date   15-11   dd/mm or dd/mm or dd-mm or dd-mmm
Record 17:   FILTRA
             IPSCND
             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)

```

## Interpretation of Predicted Concentrations That Exceed Aqueous Solubility

### PRZM/EXAMS OUTPUT FILES

#### MS Cotton

#### PRZM INPUT FILE

```

MS Cotton; 8/13/2001
"Yazoo County; MLRA 134; Metfile: W03940.dvf (old: Met131.met),"
*** Record 3:
    0.75   0.36   0       25       1       1
*** Record 6 -- ERFLAG
    4
*** Record 7:
    0.49   1.34   0.5     10       3       6   356.8
*** Record 8
    1
*** Record 9
    1   0.2     65     100     3 89 86 89     0   122
*** Record 9a-e
    1   25
0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111 1611 0112 1612
.718 .699 .620 .496 .354 .303 .305 .289 .343 .359 .223 .327 .376 .425 .465 .494
.014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014
86 86 86 86 86 86 86 86 86 86 89 89 89 89 89 89
0101 1601 0102 1602 0103 1603 0104 1604 2504
.500 .517 .532 .549 .567 .591 .617 .667 .705
.014 .014 .014 .014 .014 .014 .014 .014 .014
89 89 89 89 89 89 89 89 89
*** Record 10 -- NCPDS, the number of cropping periods
    30
*** Record 11
010561 070961 220961     1
010562 070962 220962     1
010563 070963 220963     1
010564 070964 220964     1
010565 070965 220965     1
010566 070966 220966     1
010567 070967 220967     1
010568 070968 220968     1
010569 070969 220969     1
010570 070970 220970     1
010571 070971 220971     1
010572 070972 220972     1
010573 070973 220973     1
010574 070974 220974     1
010575 070975 220975     1
010576 070976 220976     1
010577 070977 220977     1
010578 070978 220978     1
010579 070979 220979     1
010580 070980 220980     1
010581 070981 220981     1
010582 070982 220982     1

```









	1	0.335	0.137	0.07	0	
6	33	1.51	0.343	0	0	0
	0.00304	0.00304	0			
	3	0.343	0.147	0.06	0	

\*\*\*Record 40

0	YEAR	10	YEAR	10	YEAR	10	1
---	------	----	------	----	------	----	---

1	1	-----
7	YEAR	

PRCP	TCUM	0	0
RUNF	TCUM	0	0
INFL	TCUM	1	1
ESLS	TCUM	0	0 1.0E3
RFLX	TCUM	0	0 1.0E5
EFLX	TCUM	0	0 1.0E5
RZFX	TCUM	0	0 1.0E5

**EXAMS INPUT FILE**

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSEnv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w03940.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0

```

```
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
```



```
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
```

```

CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

MS Cotton

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.689	.312	.142	.102	.094	.050
1962	.613	.245	.142	.126	.123	.107
1963	1.474	.515	.256	.210	.200	.167
1964	.856	.410	.285	.268	.265	.230
1965	1.679	.857	.414	.342	.327	.276
1966	1.487	.640	.410	.362	.352	.320
1967	.911	.503	.395	.376	.375	.354
1968	.825	.508	.395	.376	.373	.370
1969	1.332	.633	.437	.403	.397	.386
1970	1.161	.602	.468	.446	.440	.410
1971	1.141	.687	.511	.475	.464	.435
1972	.704	.503	.468	.444	.443	.432
1973	.908	.549	.454	.444	.438	.430
1974	.840	.589	.487	.466	.459	.445
1975	2.128	.913	.613	.543	.528	.480
1976	1.146	.739	.551	.520	.517	.491
1977	1.172	.671	.551	.515	.513	.500
1978	1.003	.615	.528	.498	.497	.489
1979	1.569	.888	.675	.600	.582	.527
1980	.736	.571	.529	.526	.525	.507
1981	1.844	.870	.593	.538	.532	.507
1982	1.321	.717	.621	.580	.567	.527

1983	1.403	.738	.569	.532	.520	.515
1984	1.188	.762	.578	.553	.544	.527
1985	2.081	.939	.621	.566	.559	.531
1986	1.329	.737	.573	.546	.540	.529
1987	1.154	.719	.572	.548	.538	.522
1988	1.131	.663	.534	.525	.522	.512
1989	1.180	.693	.571	.549	.539	.524
1990	1.087	.645	.547	.533	.529	.514

SORTED FOR PLOTTING

```

-----
PROB      PEAK    96 HOUR    21 DAY    60 DAY    90 DAY    YEARLY
-----
.032      2.128      .939      .675      .600      .582      .531
.065      2.081      .913      .621      .580      .567      .529
.097      1.844      .888      .621      .566      .559      .527
.129      1.679      .870      .613      .553      .544      .527
.161      1.569      .857      .593      .549      .540      .527
.194      1.487      .762      .578      .548      .539      .524
.226      1.474      .739      .573      .546      .538      .522
.258      1.403      .738      .572      .543      .532      .515
.290      1.332      .737      .571      .538      .529      .514
.323      1.329      .719      .569      .533      .528      .512
.355      1.321      .717      .551      .532      .525      .507
.387      1.188      .693      .551      .526      .522      .507
.419      1.180      .687      .547      .525      .520      .500
.452      1.172      .671      .534      .520      .517      .491
.484      1.161      .663      .529      .515      .513      .489
.516      1.154      .645      .528      .498      .497      .480
.548      1.146      .640      .511      .475      .464      .445
.581      1.141      .633      .487      .466      .459      .435
.613      1.131      .615      .468      .446      .443      .432
.645      1.087      .602      .468      .444      .440      .430
.677      1.003      .589      .454      .444      .438      .410
.710      .911      .571      .437      .403      .397      .386
.742      .908      .549      .414      .376      .375      .370
.774      .856      .515      .410      .376      .373      .354
.806      .840      .508      .395      .362      .352      .320
.839      .825      .503      .395      .342      .327      .276
.871      .736      .503      .285      .268      .265      .230
.903      .704      .410      .256      .210      .200      .167
.935      .689      .312      .142      .126      .123      .107
.968      .613      .245      .142      .102      .094      .050

1/10      1.827      .886      .620      .565      .557      .527

```

MEAN OF ANNUAL VALUES = .420

STANDARD DEVIATION OF ANNUAL VALUES = .133

UPPER 90% CONFIDENCE LIMIT ON MEAN = .457

**NC Tobacco**

**PRZM INPUT FILE**

NC Tobacco 8/08/2001

"Johnston and Pitt Counties; MLRA: 133A; Metfile: W13722.dvf (old: Met133A.met),"

\*\*\* Record 3:

0.77 0.36 0 17.5 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.17 1.07 0.5 10 2 5 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.2 60 80 3 84 79 84 0 75

\*\*\* Record 9a-e

	1	26																	
1604	2504	0105	1605	2505	0106	1606	0107	1607	0108	1608	0109	1609	0110	1610	0111				
.234	.282	.317	.351	.367	.363	.272	.186	.140	.133	.163	.324	.377	.336	.383	.420				
.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014	.014				
79	79	79	79	79	79	79	79	84	84	84	84	84	84	84	84				
1611	0112	1612	0101	1601	0102	1602	0103	1603	0104										
.450	.476	.500	.071	.081	.091	.101	.114	.134	.161										
.014	.014	.014	.014	.014	.014	.014	.014	.014	.014										
84	84	84	84	84	84	84	84	84	84										

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

160461	070761	160761	1
160462	070762	160762	1
160463	070763	160763	1
160464	070764	160764	1
160465	070765	160765	1
160466	070766	160766	1
160467	070767	160767	1
160468	070768	160768	1
160469	070769	160769	1
160470	070770	160770	1
160471	070771	160771	1
160472	070772	160772	1
160473	070773	160773	1
160474	070774	160774	1
160475	070775	160775	1
160476	070776	160776	1
160477	070777	160777	1
160478	070778	160778	1
160479	070779	160779	1
160480	070780	160780	1
160481	070781	160781	1
160482	070782	160782	1
160483	070783	160783	1
160484	070784	160784	1
160485	070785	160785	1
160486	070786	160786	1
160487	070787	160787	1
160488	070788	160788	1
160489	070789	160789	1
160490	070790	160790	1

\*\*\* Record 12 -- PTITLE

Pest 4 -6 applications @ 0.224 0.224 0.224 0.224 0.224 0.224 kg/ha

\*\*\* Record 13

180 1 0 0

\*\*\* Record 15 -- PSTNAM

Pest 4

\*\*\* Record 16

010761	0 2	0.0	0.224	.95	.036
080761	0 2	0.0	0.224	.95	.036
150761	0 2	0.0	0.224	.95	.036
220761	0 2	0.0	0.224	.95	.036
290761	0 2	0.0	0.224	.95	.036
050861	0 2	0.0	0.224	.95	.036
010762	0 2	0.0	0.224	.95	.036
080762	0 2	0.0	0.224	.95	.036
150762	0 2	0.0	0.224	.95	.036
220762	0 2	0.0	0.224	.95	.036
290762	0 2	0.0	0.224	.95	.036
050862	0 2	0.0	0.224	.95	.036
010763	0 2	0.0	0.224	.95	.036
080763	0 2	0.0	0.224	.95	.036
150763	0 2	0.0	0.224	.95	.036
220763	0 2	0.0	0.224	.95	.036
290763	0 2	0.0	0.224	.95	.036
050863	0 2	0.0	0.224	.95	.036
010764	0 2	0.0	0.224	.95	.036
080764	0 2	0.0	0.224	.95	.036
150764	0 2	0.0	0.224	.95	.036
220764	0 2	0.0	0.224	.95	.036





```

150788 0 2 0.0 0.224 .95 .036
220788 0 2 0.0 0.224 .95 .036
290788 0 2 0.0 0.224 .95 .036
050888 0 2 0.0 0.224 .95 .036
010789 0 2 0.0 0.224 .95 .036
080789 0 2 0.0 0.224 .95 .036
150789 0 2 0.0 0.224 .95 .036
220789 0 2 0.0 0.224 .95 .036
290789 0 2 0.0 0.224 .95 .036
050889 0 2 0.0 0.224 .95 .036
010790 0 2 0.0 0.224 .95 .036
080790 0 2 0.0 0.224 .95 .036
150790 0 2 0.0 0.224 .95 .036
220790 0 2 0.0 0.224 .95 .036
290790 0 2 0.0 0.224 .95 .036
050890 0 2 0.0 0.224 .95 .036
*** Record 17
  0      1      0
*** Record 18
  0      0      0.5
*** Record 19 -- STITLE
Norfolk Loamy Sand; HYDG: B
*** Record 20
 150      0      0      1      0      0      0      0      0      0
*** Record 26
  0      0      0
*** Record 30
 41.241e6
*** Record 33
 4
 1      10      1.55      0.199      0      0      0
  0.00304 0.00304      0
  0.1      0.199      0.089      0.29      0
 2      35      1.55      0.199      0      0      0
  0.00304 0.00304      0
  5      0.199      0.089      0.29      0
 3      55      1.3      0.406      0      0      0
  0.00304 0.00304      0
  5      0.406      0.206      0.116      0
 4      50      1.1      0.396      0      0      0
  0.00304 0.00304      0
  5      0.396      0.246      0.058      0
***Record 40
 0
  YEAR      10      YEAR      10      YEAR      10      1
 1
 1 -----
 7 YEAR
PRCP      TCUM      0      0
RUNF      TCUM      0      0
INFL      TCUM      1      1
ESLS      TCUM      0      0      1.0E3
RFLX      TCUM      0      0      1.0E5
EFLX      TCUM      0      0      1.0E5
RZFX      TCUM      0      0      1.0E5

```

#### EXAMS INPUT FILE

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSenv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w13722.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15

```

```
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
```



```
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
```

```
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
```

```

set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

NC Tobacco

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.116	.039	.023	.018	.016	.007
1962	.635	.197	.075	.055	.046	.028
1963	.955	.301	.118	.089	.076	.056
1964	.446	.185	.125	.116	.112	.089
1965	.220	.142	.128	.122	.118	.110
1966	.236	.154	.129	.123	.121	.113
1967	.236	.149	.131	.128	.125	.116
1968	.376	.190	.140	.131	.128	.121
1969	.498	.232	.166	.150	.148	.133
1970	.242	.171	.157	.152	.148	.142
1971	.580	.263	.179	.164	.161	.147
1972	.479	.243	.184	.175	.175	.160
1973	.278	.204	.189	.185	.181	.173
1974	.312	.224	.190	.181	.179	.172
1975	.609	.292	.201	.185	.181	.173
1976	.471	.252	.197	.188	.186	.179
1977	.631	.299	.206	.195	.192	.183
1978	.372	.236	.205	.198	.193	.188
1979	.595	.293	.212	.198	.198	.188
1980	.286	.211	.200	.196	.193	.187
1981	.430	.293	.208	.197	.191	.182
1982	.299	.214	.202	.197	.193	.188
1983	.466	.260	.204	.194	.190	.185
1984	.319	.243	.213	.203	.199	.192
1985	.480	.270	.206	.196	.192	.188
1986	.781	.348	.230	.209	.204	.192
1987	.479	.266	.221	.205	.203	.196
1988	.326	.231	.201	.197	.195	.192
1989	.445	.257	.207	.201	.200	.193
1990	.446	.261	.202	.195	.192	.190

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.955	.348	.230	.209	.204	.196
.065	.781	.301	.221	.205	.203	.193
.097	.635	.299	.213	.203	.200	.192
.129	.631	.293	.212	.201	.199	.192
.161	.609	.293	.208	.198	.198	.192
.194	.595	.292	.207	.198	.195	.190
.226	.580	.270	.206	.197	.193	.188
.258	.498	.266	.206	.197	.193	.188
.290	.480	.263	.205	.197	.193	.188
.323	.479	.261	.204	.196	.192	.188
.355	.479	.260	.202	.196	.192	.187
.387	.471	.257	.202	.195	.192	.185
.419	.466	.252	.201	.195	.191	.183
.452	.446	.243	.201	.194	.190	.182
.484	.446	.243	.200	.188	.186	.179
.516	.445	.236	.197	.185	.181	.173
.548	.430	.232	.190	.185	.181	.173
.581	.376	.231	.189	.181	.179	.172

.613	.372	.224	.184	.175	.175	.160
.645	.326	.214	.179	.164	.161	.147
.677	.319	.211	.166	.152	.148	.142
.710	.312	.204	.157	.150	.148	.133
.742	.299	.197	.140	.131	.128	.121
.774	.286	.190	.131	.128	.125	.116
.806	.278	.185	.129	.123	.121	.113
.839	.242	.171	.128	.122	.118	.110
.871	.236	.154	.125	.116	.112	.089
.903	.236	.149	.118	.089	.076	.056
.935	.220	.142	.075	.055	.046	.028
.968	.116	.039	.023	.018	.016	.007
1/10	.634	.299	.213	.203	.200	.192

MEAN OF ANNUAL VALUES = .152

STANDARD DEVIATION OF ANNUAL VALUES = .051

UPPER 90% CONFIDENCE LIMIT ON MEAN = .166

### CA Lettuce

#### PRZM INPUT FILE

"CaLettuceC, August 12, 2004"

"Monterey County; MLRA 15, Central California Coast Range; Metfile: W23273.dvf"

\*\*\* Record 3:

0.79 0 0 17.5 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.37 1.34 0.5 10 1 6 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.25 12 90 3 94 89 94 0 30

\*\*\* Record 9a-e

1 26

1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1007 1607 0108 1608 0109 1609

.188 .190 .191 .527 .558 .569 .572 .574 .575 .634 .796 .750 .602 .302 .176 .176

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

89 89 89 89 89 89 94 94 94 94 94 94 94 94 94 94

0110 1610 0111 1611 0112 1012 1612 0101 1601 0102

.177 .178 .505 .560 .634 .803 .767 .632 .318 .186

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

94 94 94 94 94 94 94 94 94 94 94 94 94 94 94 94

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

160261 050561 120561 1

160262 050562 120562 1

160263 050563 120563 1

160264 050564 120564 1

160265 050565 120565 1

160266 050566 120566 1

160267 050567 120567 1

160268 050568 120568 1

160269 050569 120569 1

160270 050570 120570 1

160271 050571 120571 1

160272 050572 120572 1

160273 050573 120573 1

160274 050574 120574 1

160275 050575 120575 1

160276 050576 120576 1

160277 050577 120577 1

160278 050578 120578 1

160279	050579	120579	1							
160280	050580	120580	1							
160281	050581	120581	1							
160282	050582	120582	1							
160283	050583	120583	1							
160284	050584	120584	1							
160285	050585	120585	1							
160286	050586	120586	1							
160287	050587	120587	1							
160288	050588	120588	1							
160289	050589	120589	1							
160290	050590	120590	1							

\*\*\* Record 12 -- PTITLE  
Pest 4 - 6 applications @ 0.224      0.224    0.224    0.224    0.224    0.224 kg/ha

*** Record 13										
180	1	0	0							

\*\*\* Record 15 -- PSTNAM  
Pest 4

\*\*\* Record 16

010461	0 2	0.0	0.224	.95	.036					
080461	0 2	0.0	0.224	.95	.036					
150461	0 2	0.0	0.224	.95	.036					
220461	0 2	0.0	0.224	.95	.036					
290461	0 2	0.0	0.224	.95	.036					
060561	0 2	0.0	0.224	.95	.036					
010462	0 2	0.0	0.224	.95	.036					
080462	0 2	0.0	0.224	.95	.036					
150462	0 2	0.0	0.224	.95	.036					
220462	0 2	0.0	0.224	.95	.036					
290462	0 2	0.0	0.224	.95	.036					
060562	0 2	0.0	0.224	.95	.036					
010463	0 2	0.0	0.224	.95	.036					
080463	0 2	0.0	0.224	.95	.036					
150463	0 2	0.0	0.224	.95	.036					
220463	0 2	0.0	0.224	.95	.036					
290463	0 2	0.0	0.224	.95	.036					
060563	0 2	0.0	0.224	.95	.036					
010464	0 2	0.0	0.224	.95	.036					
080464	0 2	0.0	0.224	.95	.036					
150464	0 2	0.0	0.224	.95	.036					
220464	0 2	0.0	0.224	.95	.036					
290464	0 2	0.0	0.224	.95	.036					
060564	0 2	0.0	0.224	.95	.036					
010465	0 2	0.0	0.224	.95	.036					
080465	0 2	0.0	0.224	.95	.036					
150465	0 2	0.0	0.224	.95	.036					
220465	0 2	0.0	0.224	.95	.036					
290465	0 2	0.0	0.224	.95	.036					
060565	0 2	0.0	0.224	.95	.036					
010466	0 2	0.0	0.224	.95	.036					
080466	0 2	0.0	0.224	.95	.036					
150466	0 2	0.0	0.224	.95	.036					
220466	0 2	0.0	0.224	.95	.036					
290466	0 2	0.0	0.224	.95	.036					
060566	0 2	0.0	0.224	.95	.036					
010467	0 2	0.0	0.224	.95	.036					
080467	0 2	0.0	0.224	.95	.036					
150467	0 2	0.0	0.224	.95	.036					
220467	0 2	0.0	0.224	.95	.036					
290467	0 2	0.0	0.224	.95	.036					
060567	0 2	0.0	0.224	.95	.036					
010468	0 2	0.0	0.224	.95	.036					
080468	0 2	0.0	0.224	.95	.036					
150468	0 2	0.0	0.224	.95	.036					
220468	0 2	0.0	0.224	.95	.036					
290468	0 2	0.0	0.224	.95	.036					
060568	0 2	0.0	0.224	.95	.036					
010469	0 2	0.0	0.224	.95	.036					
080469	0 2	0.0	0.224	.95	.036					
150469	0 2	0.0	0.224	.95	.036					
220469	0 2	0.0	0.224	.95	.036					



220481	0	2	0.0	0.224	.95	.036
290481	0	2	0.0	0.224	.95	.036
060581	0	2	0.0	0.224	.95	.036
010482	0	2	0.0	0.224	.95	.036
080482	0	2	0.0	0.224	.95	.036
150482	0	2	0.0	0.224	.95	.036
220482	0	2	0.0	0.224	.95	.036
290482	0	2	0.0	0.224	.95	.036
060582	0	2	0.0	0.224	.95	.036
010483	0	2	0.0	0.224	.95	.036
080483	0	2	0.0	0.224	.95	.036
150483	0	2	0.0	0.224	.95	.036
220483	0	2	0.0	0.224	.95	.036
290483	0	2	0.0	0.224	.95	.036
060583	0	2	0.0	0.224	.95	.036
010484	0	2	0.0	0.224	.95	.036
080484	0	2	0.0	0.224	.95	.036
150484	0	2	0.0	0.224	.95	.036
220484	0	2	0.0	0.224	.95	.036
290484	0	2	0.0	0.224	.95	.036
060584	0	2	0.0	0.224	.95	.036
010485	0	2	0.0	0.224	.95	.036
080485	0	2	0.0	0.224	.95	.036
150485	0	2	0.0	0.224	.95	.036
220485	0	2	0.0	0.224	.95	.036
290485	0	2	0.0	0.224	.95	.036
060585	0	2	0.0	0.224	.95	.036
010486	0	2	0.0	0.224	.95	.036
080486	0	2	0.0	0.224	.95	.036
150486	0	2	0.0	0.224	.95	.036
220486	0	2	0.0	0.224	.95	.036
290486	0	2	0.0	0.224	.95	.036
060586	0	2	0.0	0.224	.95	.036
010487	0	2	0.0	0.224	.95	.036
080487	0	2	0.0	0.224	.95	.036
150487	0	2	0.0	0.224	.95	.036
220487	0	2	0.0	0.224	.95	.036
290487	0	2	0.0	0.224	.95	.036
060587	0	2	0.0	0.224	.95	.036
010488	0	2	0.0	0.224	.95	.036
080488	0	2	0.0	0.224	.95	.036
150488	0	2	0.0	0.224	.95	.036
220488	0	2	0.0	0.224	.95	.036
290488	0	2	0.0	0.224	.95	.036
060588	0	2	0.0	0.224	.95	.036
010489	0	2	0.0	0.224	.95	.036
080489	0	2	0.0	0.224	.95	.036
150489	0	2	0.0	0.224	.95	.036
220489	0	2	0.0	0.224	.95	.036
290489	0	2	0.0	0.224	.95	.036
060589	0	2	0.0	0.224	.95	.036
010490	0	2	0.0	0.224	.95	.036
080490	0	2	0.0	0.224	.95	.036
150490	0	2	0.0	0.224	.95	.036
220490	0	2	0.0	0.224	.95	.036
290490	0	2	0.0	0.224	.95	.036
060590	0	2	0.0	0.224	.95	.036
*** Record 17						
0	1		0			
*** Record 18						
0	0		0.5			
*** Record 19	--	STITLE				
Placentia sandy loam; Hydrologic Group D						
*** Record 20						
171	0	0	1	0	0	0
*** Record 26						
0	0		0			
*** Record 30						
41.241e6						
*** Record 33						
5						

1	10	1.575	0.295	0	0	0
	0.00304	0.00304	0			
	0.1	0.295	0.17	0.725	0	
2	22	1.575	0.295	0	0	0
	0.00304	0.00304	0			
	2	0.295	0.17	0.725	0	
3	40	1.475	0.347	0	0	0
	0.00304	0.00304	0			
	5	0.347	0.242	0.058	0	
4	77	1.725	0.224	0	0	0
	0.00304	0.00304	0			
	1	0.224	0.139	0.058	0	
5	22	1.75	0.214	0	0	0
	0.00304	0.00304	0			
	2	0.214	0.089	0.058	0	

\*\*\*Record 40

0	YEAR	10	YEAR	10	YEAR	10	1
1	----						
7	YEAR						
PRCP	TCUM	0	0				
RUNF	TCUM	0	0				
INFL	TCUM	1	1				
ESLS	TCUM	0	0	1.0E3			
RFLX	TCUM	0	0	1.0E5			
EFLX	TCUM	0	0	1.0E5			
RZFX	TCUM	0	0	1.0E5			

#### EXAMS INPUT FILE

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSenv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w14860.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE

```



```
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
```

```
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
```

```

set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

CA Lettuce

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1961	.340	.113	.054	.030	.023	.011
1962	.195	.113	.061	.055	.052	.045
1963	.203	.105	.079	.073	.070	.062
1964	.335	.180	.109	.093	.086	.075
1965	.767	.290	.162	.134	.122	.104
1966	.436	.264	.184	.155	.145	.135
1967	.415	.235	.180	.174	.170	.162
1968	.301	.200	.181	.175	.172	.163
1969	.452	.300	.223	.206	.203	.192
1970	.764	.348	.240	.220	.208	.199

1971	.603	.326	.248	.236	.234	.223
1972	.562	.380	.273	.246	.235	.225
1973	.555	.340	.272	.267	.264	.256
1974	1.192	.520	.331	.293	.283	.277
1975	.405	.322	.310	.304	.300	.287
1976	.577	.362	.302	.293	.291	.285
1977	1.184	.540	.361	.329	.322	.305
1978	.720	.431	.352	.347	.344	.334
1979	.673	.412	.351	.345	.341	.329
1980	.672	.447	.359	.350	.348	.335
1981	.444	.378	.354	.349	.346	.331
1982	.562	.389	.356	.344	.338	.325
1983	.622	.441	.377	.358	.356	.342
1984	.653	.431	.362	.345	.340	.330
1985	.560	.393	.348	.343	.339	.328
1986	.491	.398	.355	.348	.345	.329
1987	.512	.374	.342	.337	.335	.321
1988	.619	.405	.354	.340	.335	.321
1989	.425	.350	.338	.332	.328	.315
1990	.405	.330	.318	.313	.308	.296

SORTED FOR PLOTTING

-----

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.032	1.192	.540	.377	.358	.356	.342
.065	1.184	.520	.362	.350	.348	.335
.097	.767	.447	.361	.349	.346	.334
.129	.764	.441	.359	.348	.345	.331
.161	.720	.431	.356	.347	.344	.330
.194	.673	.431	.355	.345	.341	.329
.226	.672	.412	.354	.345	.340	.329
.258	.653	.405	.354	.344	.339	.328
.290	.622	.398	.352	.343	.338	.325
.323	.619	.393	.351	.340	.335	.321
.355	.603	.389	.348	.337	.335	.321
.387	.577	.380	.342	.332	.328	.315
.419	.562	.378	.338	.329	.322	.305
.452	.562	.374	.331	.313	.308	.296
.484	.560	.362	.318	.304	.300	.287
.516	.555	.350	.310	.293	.291	.285
.548	.512	.348	.302	.293	.283	.277
.581	.491	.340	.273	.267	.264	.256
.613	.452	.330	.272	.246	.235	.225
.645	.444	.326	.248	.236	.234	.223
.677	.436	.322	.240	.220	.208	.199
.710	.425	.300	.223	.206	.203	.192
.742	.415	.290	.184	.175	.172	.163
.774	.405	.264	.181	.174	.170	.162
.806	.405	.235	.180	.155	.145	.135
.839	.340	.200	.162	.134	.122	.104
.871	.335	.180	.109	.093	.086	.075
.903	.301	.113	.079	.073	.070	.062
.935	.203	.113	.061	.055	.052	.045
.968	.195	.105	.054	.030	.023	.011
1/10	.767	.446	.361	.349	.346	.334

MEAN OF ANNUAL VALUES = .241

STANDARD DEVIATION OF ANNUAL VALUES = .102

UPPER 90% CONFIDENCE LIMIT ON MEAN = .269

**FL Cabbage**

**PRZM INPUT FILE**

FL Cabbage (General Leafy Vegetable Scenario); 9/13/2001  
"Manatee County; MLRA: 155; Metfile: W12842.dvf (old: Met156B.met),"

\*\*\* Record 3:

0.78 0 0 25 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.03 0.2 1 10 4 1 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.25 12 80 3 88 87 91 0 25

\*\*\* Record 9a-e

1 27

1610 0111 1611 0112 1612 0101 1601 0102 1602 0103 1603 0104 1604 0105 1505 1605

.683 .715 .743 .768 .793 .813 .830 .846 .859 .870 .878 .881 .881 .880 .836 .849

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

87 87 87 87 87 87 87 87 91 91 91 91 91 91 91 91

2505 0106 1606 0107 1607 0108 1008 1608 0109 1609 0110

.938 .840 .572 .285 .177 .162 .210 .291 .422 .547 .636

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

91 91 91 91 91 91 91 91 91 91 91 91

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

161060 080261 150261 1

161061 080262 150262 1

161062 080263 150263 1

161063 080264 150264 1

161064 080265 150265 1

161065 080266 150266 1

161066 080267 150267 1

161067 080268 150268 1

161068 080269 150269 1

161069 080270 150270 1

161070 080271 150271 1

161071 080272 150272 1

161072 080273 150273 1

161073 080274 150274 1

161074 080275 150275 1

161075 080276 150276 1

161076 080277 150277 1

161077 080278 150278 1

161078 080279 150279 1

161079 080280 150280 1

161080 080281 150281 1

161081 080282 150282 1

161082 080283 150283 1

161083 080284 150284 1

161084 080285 150285 1

161085 080286 150286 1

161086 080287 150287 1

161087 080288 150288 1

161088 080289 150289 1

161089 080290 150290 1

\*\*\* Record 12 -- PTITLE

PEST 4 - 6 applications @ 0.224 0.224 0.224 0.224 0.224 0.224 kg/ha

\*\*\* Record 13

180 1 0 0

\*\*\* Record 15 -- PSTNAM

PEST 4

\*\*\* Record 16

010161 0 2 0.0 0.224 .95 .036

080161 0 2 0.0 0.224 .95 .036





```

010185 0 2 0.0 0.224 .95 .036
080185 0 2 0.0 0.224 .95 .036
150185 0 2 0.0 0.224 .95 .036
220185 0 2 0.0 0.224 .95 .036
290185 0 2 0.0 0.224 .95 .036
050285 0 2 0.0 0.224 .95 .036
010186 0 2 0.0 0.224 .95 .036
080186 0 2 0.0 0.224 .95 .036
150186 0 2 0.0 0.224 .95 .036
220186 0 2 0.0 0.224 .95 .036
290186 0 2 0.0 0.224 .95 .036
050286 0 2 0.0 0.224 .95 .036
010187 0 2 0.0 0.224 .95 .036
080187 0 2 0.0 0.224 .95 .036
150187 0 2 0.0 0.224 .95 .036
220187 0 2 0.0 0.224 .95 .036
290187 0 2 0.0 0.224 .95 .036
050287 0 2 0.0 0.224 .95 .036
010188 0 2 0.0 0.224 .95 .036
080188 0 2 0.0 0.224 .95 .036
150188 0 2 0.0 0.224 .95 .036
220188 0 2 0.0 0.224 .95 .036
290188 0 2 0.0 0.224 .95 .036
050288 0 2 0.0 0.224 .95 .036
010189 0 2 0.0 0.224 .95 .036
080189 0 2 0.0 0.224 .95 .036
150189 0 2 0.0 0.224 .95 .036
220189 0 2 0.0 0.224 .95 .036
290189 0 2 0.0 0.224 .95 .036
050289 0 2 0.0 0.224 .95 .036
010190 0 2 0.0 0.224 .95 .036
080190 0 2 0.0 0.224 .95 .036
150190 0 2 0.0 0.224 .95 .036
220190 0 2 0.0 0.224 .95 .036
290190 0 2 0.0 0.224 .95 .036
050290 0 2 0.0 0.224 .95 .036
*** Record 17
  0      1      0
*** Record 18
  0      0      0.5
*** Record 19 -- STITLE
Riviera Sand; HYDG: C
*** Record 20
 100      0      0      1      0      0      0      0      0      0
*** Record 26
  0      0      0
*** Record 30
 41.241e6
*** Record 33
  3
  1      10      1.65      0.073      0      0      0
    0.00304 0.00304      0
      0.1      0.073      0.023      1.16      0
  2      62      1.65      0.073      0      0      0
    0.00304 0.00304      0
      2      0.073      0.023      1.16      0
  3      28      1.7      0.211      0      0      0
    0.00304 0.00304      0
      4      0.211      0.091      0.174      0
***Record 40
  0
    YEAR      10      YEAR      10      YEAR      10      1
  1
  1 -----
  7      YEAR
PRCP      TCUM      0      0
RUNF      TCUM      0      0
INFL      TCUM      1      1
ESLS      TCUM      0      0      1.0E3
RFLX      TCUM      0      0      1.0E5
EFLX      TCUM      0      0      1.0E5

```



RZFX TCUM 0 0 1.0E5

**EXAMS INPUT FILE**

```
set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSend\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w12842.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is PEST 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
```

```
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,* ) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
```

```
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
```

```

set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

FL Cabbage

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.113	.039	.024	.017	.015	.012
1962	.128	.055	.035	.032	.031	.027
1963	.141	.068	.054	.049	.047	.045
1964	.259	.120	.077	.074	.073	.068
1965	.207	.135	.093	.086	.084	.079
1966	.275	.146	.100	.093	.090	.087
1967	.189	.120	.102	.098	.094	.089
1968	.249	.132	.105	.100	.098	.095
1969	.296	.154	.119	.114	.113	.108
1970	.219	.148	.128	.121	.120	.111
1971	.423	.195	.131	.120	.118	.116
1972	.246	.150	.133	.128	.125	.118
1973	.266	.156	.131	.125	.124	.116
1974	.478	.238	.146	.129	.125	.117
1975	.266	.155	.132	.126	.122	.118
1976	.471	.216	.143	.135	.131	.123
1977	.225	.150	.138	.132	.129	.117
1978	.239	.150	.129	.126	.123	.114
1979	1.194	.420	.202	.163	.156	.136
1980	.239	.164	.153	.147	.144	.137
1981	.347	.195	.158	.147	.144	.137
1982	.259	.196	.161	.152	.149	.142
1983	.400	.213	.164	.157	.154	.149
1984	.285	.180	.160	.156	.152	.142
1985	.308	.209	.150	.145	.142	.137
1986	.281	.186	.150	.145	.144	.134
1987	.317	.210	.155	.147	.144	.137
1988	.237	.188	.149	.143	.141	.135
1989	.241	.161	.150	.144	.141	.131
1990	.229	.154	.144	.139	.136	.126

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
------	------	---------	--------	--------	--------	--------

.032	1.194	.420	.202	.163	.156	.149
.065	.478	.238	.164	.157	.154	.142
.097	.471	.216	.161	.156	.152	.142
.129	.423	.213	.160	.152	.149	.137
.161	.400	.210	.158	.147	.144	.137
.194	.347	.209	.155	.147	.144	.137
.226	.317	.196	.153	.147	.144	.137
.258	.308	.195	.150	.145	.144	.136
.290	.296	.195	.150	.145	.142	.135
.323	.285	.188	.150	.144	.141	.134
.355	.281	.186	.149	.143	.141	.131
.387	.275	.180	.146	.139	.136	.126
.419	.266	.164	.144	.135	.131	.123
.452	.266	.161	.143	.132	.129	.118
.484	.259	.156	.138	.129	.125	.118
.516	.259	.155	.133	.128	.125	.117
.548	.249	.154	.132	.126	.124	.117
.581	.246	.154	.131	.126	.123	.116
.613	.241	.150	.131	.125	.122	.116
.645	.239	.150	.129	.121	.120	.114
.677	.239	.150	.128	.120	.118	.111
.710	.237	.148	.119	.114	.113	.108
.742	.229	.146	.105	.100	.098	.095
.774	.225	.135	.102	.098	.094	.089
.806	.219	.132	.100	.093	.090	.087
.839	.207	.120	.093	.086	.084	.079
.871	.189	.120	.077	.074	.073	.068
.903	.141	.068	.054	.049	.047	.045
.935	.128	.055	.035	.032	.031	.027
.968	.113	.039	.024	.017	.015	.012
1/10	.466	.216	.161	.155	.152	.141

MEAN OF ANNUAL VALUES = .110

STANDARD DEVIATION OF ANNUAL VALUES = .034

UPPER 90% CONFIDENCE LIMIT ON MEAN = .119

## FL Pepper

### PRZM INPUT FILE

FL Bell Peppers (General Vegetable Scenario)

"Collier and Hendry Counties; MLRA: 156A; Weather Station West Palm Beach Metfile: W12844.dvf,"

\*\*\* Record 3:

0.78 0 0 32.5 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.03 0.2 1 10 4 1 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.15 45 40 3 88 87 91 0 30

\*\*\* Record 9a-e

1 27

0109 1609 0110 1610 0111 1611 0112 1612 0101 1601 0102 1602 0103 1603 0104 1604

.422 .547 .636 .683 .715 .743 .768 .793 .813 .830 .846 .859 .870 .878 .881 .881

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

87 87 87 87 87 87 91 91 91 91 91 91 91 91 91 91

0105 1505 1605 2505 0106 1606 0107 1607 0108 1008 1608

.880 .836 .849 .938 .840 .572 .285 .177 .162 .210 .291

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

91 91 91 91 91 91 91 91 91 91 91 91

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

010961 151161 011261 1

010962	151162	011262	1							
010963	151163	011263	1							
010964	151164	011264	1							
010965	151165	011265	1							
010966	151166	011266	1							
010967	151167	011267	1							
010968	151168	011268	1							
010969	151169	011269	1							
010970	151170	011270	1							
010971	151171	011271	1							
010972	151172	011272	1							
010973	151173	011273	1							
010974	151174	011274	1							
010975	151175	011275	1							
010976	151176	011276	1							
010977	151177	011277	1							
010978	151178	011278	1							
010979	151179	011279	1							
010980	151180	011280	1							
010981	151181	011281	1							
010982	151182	011282	1							
010983	151183	011283	1							
010984	151184	011284	1							
010985	151185	011285	1							
010986	151186	011286	1							
010987	151187	011287	1							
010988	151188	011288	1							
010989	151189	011289	1							
010990	151190	011290	1							
*** Record 12 -- PTITLE										
Pest 4	- 6 applications @ 0.224	0.224	0.224	0.224	0.224	0.224	0.224	0.224	kg/ha	
*** Record 13										
180	1	0	0							
*** Record 15 -- PSTNAM										
Pest 4										
*** Record 16										
011061	0 2	0.0	0.224	.95	.036					
081061	0 2	0.0	0.224	.95	.036					
151061	0 2	0.0	0.224	.95	.036					
221061	0 2	0.0	0.224	.95	.036					
291061	0 2	0.0	0.224	.95	.036					
051161	0 2	0.0	0.224	.95	.036					
011062	0 2	0.0	0.224	.95	.036					
081062	0 2	0.0	0.224	.95	.036					
151062	0 2	0.0	0.224	.95	.036					
221062	0 2	0.0	0.224	.95	.036					
291062	0 2	0.0	0.224	.95	.036					
051162	0 2	0.0	0.224	.95	.036					
011063	0 2	0.0	0.224	.95	.036					
081063	0 2	0.0	0.224	.95	.036					
151063	0 2	0.0	0.224	.95	.036					
221063	0 2	0.0	0.224	.95	.036					
291063	0 2	0.0	0.224	.95	.036					
051163	0 2	0.0	0.224	.95	.036					
011064	0 2	0.0	0.224	.95	.036					
081064	0 2	0.0	0.224	.95	.036					
151064	0 2	0.0	0.224	.95	.036					
221064	0 2	0.0	0.224	.95	.036					
291064	0 2	0.0	0.224	.95	.036					
051164	0 2	0.0	0.224	.95	.036					
011065	0 2	0.0	0.224	.95	.036					
081065	0 2	0.0	0.224	.95	.036					
151065	0 2	0.0	0.224	.95	.036					
221065	0 2	0.0	0.224	.95	.036					
291065	0 2	0.0	0.224	.95	.036					
051165	0 2	0.0	0.224	.95	.036					
011066	0 2	0.0	0.224	.95	.036					
081066	0 2	0.0	0.224	.95	.036					
151066	0 2	0.0	0.224	.95	.036					
221066	0 2	0.0	0.224	.95	.036					
291066	0 2	0.0	0.224	.95	.036					







```

221090 0 2 0.0 0.224 .95 .036
291090 0 2 0.0 0.224 .95 .036
051190 0 2 0.0 0.224 .95 .036
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
Riviera Sand; HYDG: C
*** Record 20
100 0 0 1 0 0 0 0 0 0
*** Record 26
0 0 0
*** Record 30
41.241e6
*** Record 33
3
1 10 1.65 0.073 0 0 0
0.00304 0.00304 0
0.1 0.073 0.023 1.16 0
2 62 1.65 0.073 0 0 0
0.00304 0.00304 0
2 0.073 0.023 1.16 0
3 28 1.7 0.211 0 0 0
0.00304 0.00304 0
4 0.211 0.091 0.174 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 -----
7 YEAR
PRCP TCUM 0 0
RUNF TCUM 0 0
INFL TCUM 1 1
ESLS TCUM 0 0 1.0E3
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5
RZFX TCUM 0 0 1.0E5

```

**EXAMS INPUT FILE**

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSenv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\wl2844.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0

```

```
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
```

```
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
```

```
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT
```

## **PRZM/EXAMS OUTPUT FILE**

FL peppers

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.132	.040	.024	.018	.015	.004
1962	.126	.052	.040	.034	.031	.019
1963	.258	.104	.065	.056	.052	.035
1964	.252	.124	.098	.090	.087	.065
1965	.402	.189	.136	.113	.108	.086
1966	.277	.158	.132	.124	.120	.111
1967	.216	.150	.132	.125	.121	.114
1968	.331	.194	.153	.143	.139	.125
1969	.300	.199	.162	.151	.147	.137
1970	.301	.187	.162	.152	.151	.146
1971	.437	.254	.171	.153	.149	.138
1972	.490	.250	.178	.163	.160	.149
1973	.251	.171	.156	.151	.148	.146
1974	.341	.208	.159	.148	.146	.140
1975	.240	.164	.145	.139	.136	.131
1976	.383	.225	.153	.146	.142	.134
1977	.450	.217	.159	.154	.153	.143
1978	.403	.228	.180	.163	.161	.149
1979	.425	.222	.168	.162	.159	.153
1980	.290	.188	.165	.158	.155	.153
1981	.464	.228	.167	.155	.151	.145
1982	.419	.239	.197	.177	.173	.159
1983	.375	.228	.187	.176	.173	.169
1984	.637	.320	.205	.187	.183	.171
1985	.263	.194	.176	.173	.174	.169
1986	.406	.223	.174	.168	.167	.160
1987	.361	.239	.182	.171	.167	.160
1988	.342	.213	.179	.169	.167	.161
1989	.281	.188	.158	.153	.153	.147
1990	.306	.183	.151	.146	.142	.137

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.637	.320	.205	.187	.183	.171
.065	.490	.254	.197	.177	.174	.169
.097	.464	.250	.187	.176	.173	.169
.129	.450	.239	.182	.173	.173	.161
.161	.437	.239	.180	.171	.167	.160
.194	.425	.228	.179	.169	.167	.160
.226	.419	.228	.178	.168	.167	.159
.258	.406	.228	.176	.163	.161	.153
.290	.403	.225	.174	.163	.160	.153
.323	.402	.223	.171	.162	.159	.149
.355	.383	.222	.168	.158	.155	.149
.387	.375	.217	.167	.155	.153	.147
.419	.361	.213	.165	.154	.153	.146
.452	.342	.208	.162	.153	.151	.146
.484	.341	.199	.162	.153	.151	.145
.516	.331	.194	.159	.152	.149	.143
.548	.306	.194	.159	.151	.148	.140
.581	.301	.189	.158	.151	.147	.138
.613	.300	.188	.156	.148	.146	.137
.645	.290	.188	.153	.146	.142	.137
.677	.281	.187	.153	.146	.142	.134
.710	.277	.183	.151	.143	.139	.131
.742	.263	.171	.145	.139	.136	.125
.774	.258	.164	.136	.125	.121	.114
.806	.252	.158	.132	.124	.120	.111
.839	.251	.150	.132	.113	.108	.086
.871	.240	.124	.098	.090	.087	.065
.903	.216	.104	.065	.056	.052	.035
.935	.132	.052	.040	.034	.031	.019
.968	.126	.040	.024	.018	.015	.004
1/10	.463	.249	.187	.176	.173	.168

MEAN OF ANNUAL VALUES = .129  
 STANDARD DEVIATION OF ANNUAL VALUES = .044  
 UPPER 90% CONFIDENCE LIMIT ON MEAN = .140

**FL Turf  
 PRZM INPUT FILE**

FL Turf 8/09/2001

Osceola County; Representation of the Lake Kissimmee/Indian River Region; MLRA 155;  
 Metfile: W12834.dvf [Daytona Beach] (old: Met156A.met)

\*\*\* Record 3:

0.78 0 0 25 1 3

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.04 0.3 1 10 4 2 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.1 10 100 3 74 74 74 0 5

\*\*\* Record 9a-e

1 25

0102 1602 0103 1603 0104 1604 0105 1605 0106 1606 0107 1507 1607 0108 1608 0109

.030 .035 .042 .050 .056 .060 .063 .068 .074 .079 .082 .125 .148 .189 .229 .265

.023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023

74 74 74 74 74 74 74 74 74 74 74 74 74 74 74 74

1609 0110 1610 0111 1611 0112 1612 0101 1601

.294 .314 .326 .017 .018 .019 .021 .023 .026

.023 .023 .023 .023 .023 .023 .023 .023 .023

74 74 74 74 74 74 74 74 74

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

010261 150261 151261 1  
 010262 150262 151262 1  
 010263 150263 151263 1  
 010264 150264 151264 1  
 010265 150265 151265 1  
 010266 150266 151266 1  
 010267 150267 151267 1  
 010268 150268 151268 1  
 010269 150269 151269 1  
 010270 150270 151270 1  
 010271 150271 151271 1  
 010272 150272 151272 1  
 010273 150273 151273 1  
 010274 150274 151274 1  
 010275 150275 151275 1  
 010276 150276 151276 1  
 010277 150277 151277 1  
 010278 150278 151278 1  
 010279 150279 151279 1  
 010280 150280 151280 1  
 010281 150281 151281 1  
 010282 150282 151282 1  
 010283 150283 151283 1  
 010284 150284 151284 1  
 010285 150285 151285 1  
 010286 150286 151286 1  
 010287 150287 151287 1  
 010288 150288 151288 1  
 010289 150289 151289 1  
 010290 150290 151290 1

\*\*\* Record 12 -- PTITLE

Pest 4 - 6 applications @ 0.427 0.427 0.427 0.427 0.427 kg/ha

\*\*\* Record 13

```
180      1      0      0
*** Record 15 -- PSTNAM
Pest 4
*** Record 16
010561  0 2  0.0 0.427  .99  .01
150561  0 2  0.0 0.427  .99  .01
290561  0 2  0.0 0.427  .99  .01
120661  0 2  0.0 0.427  .99  .01
260661  0 2  0.0 0.427  .99  .01
100761  0 2  0.0 0.427  .99  .01
010562  0 2  0.0 0.427  .99  .01
150562  0 2  0.0 0.427  .99  .01
290562  0 2  0.0 0.427  .99  .01
120662  0 2  0.0 0.427  .99  .01
260662  0 2  0.0 0.427  .99  .01
100762  0 2  0.0 0.427  .99  .01
010563  0 2  0.0 0.427  .99  .01
150563  0 2  0.0 0.427  .99  .01
290563  0 2  0.0 0.427  .99  .01
120663  0 2  0.0 0.427  .99  .01
260663  0 2  0.0 0.427  .99  .01
100763  0 2  0.0 0.427  .99  .01
010564  0 2  0.0 0.427  .99  .01
150564  0 2  0.0 0.427  .99  .01
290564  0 2  0.0 0.427  .99  .01
120664  0 2  0.0 0.427  .99  .01
260664  0 2  0.0 0.427  .99  .01
100764  0 2  0.0 0.427  .99  .01
010565  0 2  0.0 0.427  .99  .01
150565  0 2  0.0 0.427  .99  .01
290565  0 2  0.0 0.427  .99  .01
120665  0 2  0.0 0.427  .99  .01
260665  0 2  0.0 0.427  .99  .01
100765  0 2  0.0 0.427  .99  .01
010566  0 2  0.0 0.427  .99  .01
150566  0 2  0.0 0.427  .99  .01
290566  0 2  0.0 0.427  .99  .01
120666  0 2  0.0 0.427  .99  .01
260666  0 2  0.0 0.427  .99  .01
100766  0 2  0.0 0.427  .99  .01
010567  0 2  0.0 0.427  .99  .01
150567  0 2  0.0 0.427  .99  .01
290567  0 2  0.0 0.427  .99  .01
120667  0 2  0.0 0.427  .99  .01
260667  0 2  0.0 0.427  .99  .01
100767  0 2  0.0 0.427  .99  .01
010568  0 2  0.0 0.427  .99  .01
150568  0 2  0.0 0.427  .99  .01
290568  0 2  0.0 0.427  .99  .01
120668  0 2  0.0 0.427  .99  .01
260668  0 2  0.0 0.427  .99  .01
100768  0 2  0.0 0.427  .99  .01
010569  0 2  0.0 0.427  .99  .01
150569  0 2  0.0 0.427  .99  .01
290569  0 2  0.0 0.427  .99  .01
120669  0 2  0.0 0.427  .99  .01
260669  0 2  0.0 0.427  .99  .01
100769  0 2  0.0 0.427  .99  .01
010570  0 2  0.0 0.427  .99  .01
150570  0 2  0.0 0.427  .99  .01
290570  0 2  0.0 0.427  .99  .01
120670  0 2  0.0 0.427  .99  .01
260670  0 2  0.0 0.427  .99  .01
100770  0 2  0.0 0.427  .99  .01
010571  0 2  0.0 0.427  .99  .01
150571  0 2  0.0 0.427  .99  .01
290571  0 2  0.0 0.427  .99  .01
120671  0 2  0.0 0.427  .99  .01
260671  0 2  0.0 0.427  .99  .01
100771  0 2  0.0 0.427  .99  .01
010572  0 2  0.0 0.427  .99  .01
```

150572	0	2	0.0	0.427	.99	.01
290572	0	2	0.0	0.427	.99	.01
120672	0	2	0.0	0.427	.99	.01
260672	0	2	0.0	0.427	.99	.01
100772	0	2	0.0	0.427	.99	.01
010573	0	2	0.0	0.427	.99	.01
150573	0	2	0.0	0.427	.99	.01
290573	0	2	0.0	0.427	.99	.01
120673	0	2	0.0	0.427	.99	.01
260673	0	2	0.0	0.427	.99	.01
100773	0	2	0.0	0.427	.99	.01
010574	0	2	0.0	0.427	.99	.01
150574	0	2	0.0	0.427	.99	.01
290574	0	2	0.0	0.427	.99	.01
120674	0	2	0.0	0.427	.99	.01
260674	0	2	0.0	0.427	.99	.01
100774	0	2	0.0	0.427	.99	.01
010575	0	2	0.0	0.427	.99	.01
150575	0	2	0.0	0.427	.99	.01
290575	0	2	0.0	0.427	.99	.01
120675	0	2	0.0	0.427	.99	.01
260675	0	2	0.0	0.427	.99	.01
100775	0	2	0.0	0.427	.99	.01
010576	0	2	0.0	0.427	.99	.01
150576	0	2	0.0	0.427	.99	.01
290576	0	2	0.0	0.427	.99	.01
120676	0	2	0.0	0.427	.99	.01
260676	0	2	0.0	0.427	.99	.01
100776	0	2	0.0	0.427	.99	.01
010577	0	2	0.0	0.427	.99	.01
150577	0	2	0.0	0.427	.99	.01
290577	0	2	0.0	0.427	.99	.01
120677	0	2	0.0	0.427	.99	.01
260677	0	2	0.0	0.427	.99	.01
100777	0	2	0.0	0.427	.99	.01
010578	0	2	0.0	0.427	.99	.01
150578	0	2	0.0	0.427	.99	.01
290578	0	2	0.0	0.427	.99	.01
120678	0	2	0.0	0.427	.99	.01
260678	0	2	0.0	0.427	.99	.01
100778	0	2	0.0	0.427	.99	.01
010579	0	2	0.0	0.427	.99	.01
150579	0	2	0.0	0.427	.99	.01
290579	0	2	0.0	0.427	.99	.01
120679	0	2	0.0	0.427	.99	.01
260679	0	2	0.0	0.427	.99	.01
100779	0	2	0.0	0.427	.99	.01
010580	0	2	0.0	0.427	.99	.01
150580	0	2	0.0	0.427	.99	.01
290580	0	2	0.0	0.427	.99	.01
120680	0	2	0.0	0.427	.99	.01
260680	0	2	0.0	0.427	.99	.01
100780	0	2	0.0	0.427	.99	.01
010581	0	2	0.0	0.427	.99	.01
150581	0	2	0.0	0.427	.99	.01
290581	0	2	0.0	0.427	.99	.01
120681	0	2	0.0	0.427	.99	.01
260681	0	2	0.0	0.427	.99	.01
100781	0	2	0.0	0.427	.99	.01
010582	0	2	0.0	0.427	.99	.01
150582	0	2	0.0	0.427	.99	.01
290582	0	2	0.0	0.427	.99	.01
120682	0	2	0.0	0.427	.99	.01
260682	0	2	0.0	0.427	.99	.01
100782	0	2	0.0	0.427	.99	.01
010583	0	2	0.0	0.427	.99	.01
150583	0	2	0.0	0.427	.99	.01
290583	0	2	0.0	0.427	.99	.01
120683	0	2	0.0	0.427	.99	.01
260683	0	2	0.0	0.427	.99	.01
100783	0	2	0.0	0.427	.99	.01



```

010584 0 2 0.0 0.427 .99 .01
150584 0 2 0.0 0.427 .99 .01
290584 0 2 0.0 0.427 .99 .01
120684 0 2 0.0 0.427 .99 .01
260684 0 2 0.0 0.427 .99 .01
100784 0 2 0.0 0.427 .99 .01
010585 0 2 0.0 0.427 .99 .01
150585 0 2 0.0 0.427 .99 .01
290585 0 2 0.0 0.427 .99 .01
120685 0 2 0.0 0.427 .99 .01
260685 0 2 0.0 0.427 .99 .01
100785 0 2 0.0 0.427 .99 .01
010586 0 2 0.0 0.427 .99 .01
150586 0 2 0.0 0.427 .99 .01
290586 0 2 0.0 0.427 .99 .01
120686 0 2 0.0 0.427 .99 .01
260686 0 2 0.0 0.427 .99 .01
100786 0 2 0.0 0.427 .99 .01
010587 0 2 0.0 0.427 .99 .01
150587 0 2 0.0 0.427 .99 .01
290587 0 2 0.0 0.427 .99 .01
120687 0 2 0.0 0.427 .99 .01
260687 0 2 0.0 0.427 .99 .01
100787 0 2 0.0 0.427 .99 .01
010588 0 2 0.0 0.427 .99 .01
150588 0 2 0.0 0.427 .99 .01
290588 0 2 0.0 0.427 .99 .01
120688 0 2 0.0 0.427 .99 .01
260688 0 2 0.0 0.427 .99 .01
100788 0 2 0.0 0.427 .99 .01
010589 0 2 0.0 0.427 .99 .01
150589 0 2 0.0 0.427 .99 .01
290589 0 2 0.0 0.427 .99 .01
120689 0 2 0.0 0.427 .99 .01
260689 0 2 0.0 0.427 .99 .01
100789 0 2 0.0 0.427 .99 .01
010590 0 2 0.0 0.427 .99 .01
150590 0 2 0.0 0.427 .99 .01
290590 0 2 0.0 0.427 .99 .01
120690 0 2 0.0 0.427 .99 .01
260690 0 2 0.0 0.427 .99 .01
100790 0 2 0.0 0.427 .99 .01
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
Adamsville Sand; Hydrologic Group C
*** Record 20
102 0 0 1 0 0 0 0 0 0
*** Record 26
0 0 0
*** Record 30
41.241e6
*** Record 33
4
1 2 0.37 0.47 0 0 0
0.00304 0.00304 0
0.1 0.47 0.27 7.5 0
2 10 1.44 0.086 0 0 0
0.00304 0.00304 0
5 0.086 0.036 0.58 0
3 10 1.44 0.086 0 0 0
0.00304 0.00304 0
5 0.086 0.036 0.58 0
4 80 1.58 0.03 0 0 0
0.00304 0.00304 0
5 0.03 0.023 0.116 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1

```

```

1
1 -----
7 YEAR
PRCP TCUM 0 0
RUNF TCUM 0 0
INFL TCUM 1 1
ESLS TCUM 0 0 1.0E3
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5
RZFX TCUM 0 0 1.0E5

```

**EXAMS INPUT FILE**

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSenv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w12834.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0

```

```
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
```

```
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
```

```

CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

FL Turf

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.058	.022	.010	.008	.008	.004
1962	.107	.048	.021	.017	.016	.011
1963	.111	.056	.030	.023	.022	.018
1964	1.221	.372	.122	.082	.074	.039
1965	.112	.072	.064	.062	.061	.057
1966	.605	.207	.099	.081	.077	.063
1967	.125	.080	.070	.069	.068	.065
1968	.403	.156	.088	.078	.076	.067
1969	.397	.159	.097	.089	.086	.075
1970	.130	.090	.081	.080	.080	.075
1971	.234	.111	.077	.074	.072	.069
1972	.545	.198	.101	.085	.082	.072
1973	.124	.085	.076	.075	.074	.071
1974	.434	.167	.092	.080	.078	.069
1975	.123	.083	.074	.073	.072	.069
1976	.247	.114	.081	.074	.072	.067
1977	.117	.077	.069	.068	.067	.064
1978	.175	.089	.066	.064	.063	.060
1979	.126	.078	.066	.063	.062	.060
1980	.115	.072	.063	.061	.060	.057
1981	.144	.076	.061	.056	.055	.053
1982	.136	.074	.062	.058	.057	.052
1983	.178	.094	.062	.056	.055	.051
1984	.286	.118	.071	.063	.061	.057
1985	.110	.072	.062	.061	.060	.057
1986	.181	.089	.065	.061	.060	.056
1987	.106	.067	.058	.057	.056	.052
1988	.101	.062	.053	.052	.051	.047



79 79 79 79 79 79 79 79 79 79 84 84 84 84 84 84 84  
0102 1602 0103 1603 0104 1604 0105 1605  
.381 .381 .419 .427 .438 .453 .472 .469  
.014 .014 .014 .014 .014 .014 .014 .014  
84 84 84 84 84 84 84 84

\*\*\* Record 10 -- NCPDS, the number of cropping periods  
30

\*\*\* Record 11

010661	010761	151061	1
010662	010762	151062	1
010663	010763	151063	1
010664	010764	151064	1
010665	010765	151065	1
010666	010766	151066	1
010667	010767	151067	1
010668	010768	151068	1
010669	010769	151069	1
010670	010770	151070	1
010671	010771	151071	1
010672	010772	151072	1
010673	010773	151073	1
010674	010774	151074	1
010675	010775	151075	1
010676	010776	151076	1
010677	010777	151077	1
010678	010778	151078	1
010679	010779	151079	1
010680	010780	151080	1
010681	010781	151081	1
010682	010782	151082	1
010683	010783	151083	1
010684	010784	151084	1
010685	010785	151085	1
010686	010786	151086	1
010687	010787	151087	1
010688	010788	151088	1
010689	010789	151089	1
010690	010790	151090	1

\*\*\* Record 12 -- PTITLE

Pest 4 - 6 applications @ 0.427 0.427 0.427 0.427 0.427 0.427 kg/ha

\*\*\* Record 13

180 1 0 0

\*\*\* Record 15 -- PSTNAM

Pest 4

\*\*\* Record 16

010861	0 2	0.0	0.427	.99	.01
150861	0 2	0.0	0.427	.99	.01
290861	0 2	0.0	0.427	.99	.01
120961	0 2	0.0	0.427	.99	.01
260961	0 2	0.0	0.427	.99	.01
101061	0 2	0.0	0.427	.99	.01
010862	0 2	0.0	0.427	.99	.01
150862	0 2	0.0	0.427	.99	.01
290862	0 2	0.0	0.427	.99	.01
120962	0 2	0.0	0.427	.99	.01
260962	0 2	0.0	0.427	.99	.01
101062	0 2	0.0	0.427	.99	.01
010863	0 2	0.0	0.427	.99	.01
150863	0 2	0.0	0.427	.99	.01
290863	0 2	0.0	0.427	.99	.01
120963	0 2	0.0	0.427	.99	.01
260963	0 2	0.0	0.427	.99	.01
101063	0 2	0.0	0.427	.99	.01
010864	0 2	0.0	0.427	.99	.01
150864	0 2	0.0	0.427	.99	.01
290864	0 2	0.0	0.427	.99	.01
120964	0 2	0.0	0.427	.99	.01
260964	0 2	0.0	0.427	.99	.01
101064	0 2	0.0	0.427	.99	.01
010865	0 2	0.0	0.427	.99	.01
150865	0 2	0.0	0.427	.99	.01

290865	0	2	0.0	0.427	.99	.01
120965	0	2	0.0	0.427	.99	.01
260965	0	2	0.0	0.427	.99	.01
101065	0	2	0.0	0.427	.99	.01
010866	0	2	0.0	0.427	.99	.01
150866	0	2	0.0	0.427	.99	.01
290866	0	2	0.0	0.427	.99	.01
120966	0	2	0.0	0.427	.99	.01
260966	0	2	0.0	0.427	.99	.01
101066	0	2	0.0	0.427	.99	.01
010867	0	2	0.0	0.427	.99	.01
150867	0	2	0.0	0.427	.99	.01
290867	0	2	0.0	0.427	.99	.01
120967	0	2	0.0	0.427	.99	.01
260967	0	2	0.0	0.427	.99	.01
101067	0	2	0.0	0.427	.99	.01
010868	0	2	0.0	0.427	.99	.01
150868	0	2	0.0	0.427	.99	.01
290868	0	2	0.0	0.427	.99	.01
120968	0	2	0.0	0.427	.99	.01
260968	0	2	0.0	0.427	.99	.01
101068	0	2	0.0	0.427	.99	.01
010869	0	2	0.0	0.427	.99	.01
150869	0	2	0.0	0.427	.99	.01
290869	0	2	0.0	0.427	.99	.01
120969	0	2	0.0	0.427	.99	.01
260969	0	2	0.0	0.427	.99	.01
101069	0	2	0.0	0.427	.99	.01
010870	0	2	0.0	0.427	.99	.01
150870	0	2	0.0	0.427	.99	.01
290870	0	2	0.0	0.427	.99	.01
120970	0	2	0.0	0.427	.99	.01
260970	0	2	0.0	0.427	.99	.01
101070	0	2	0.0	0.427	.99	.01
010871	0	2	0.0	0.427	.99	.01
150871	0	2	0.0	0.427	.99	.01
290871	0	2	0.0	0.427	.99	.01
120971	0	2	0.0	0.427	.99	.01
260971	0	2	0.0	0.427	.99	.01
101071	0	2	0.0	0.427	.99	.01
010872	0	2	0.0	0.427	.99	.01
150872	0	2	0.0	0.427	.99	.01
290872	0	2	0.0	0.427	.99	.01
120972	0	2	0.0	0.427	.99	.01
260972	0	2	0.0	0.427	.99	.01
101072	0	2	0.0	0.427	.99	.01
010873	0	2	0.0	0.427	.99	.01
150873	0	2	0.0	0.427	.99	.01
290873	0	2	0.0	0.427	.99	.01
120973	0	2	0.0	0.427	.99	.01
260973	0	2	0.0	0.427	.99	.01
101073	0	2	0.0	0.427	.99	.01
010874	0	2	0.0	0.427	.99	.01
150874	0	2	0.0	0.427	.99	.01
290874	0	2	0.0	0.427	.99	.01
120974	0	2	0.0	0.427	.99	.01
260974	0	2	0.0	0.427	.99	.01
101074	0	2	0.0	0.427	.99	.01
010875	0	2	0.0	0.427	.99	.01
150875	0	2	0.0	0.427	.99	.01
290875	0	2	0.0	0.427	.99	.01
120975	0	2	0.0	0.427	.99	.01
260975	0	2	0.0	0.427	.99	.01
101075	0	2	0.0	0.427	.99	.01
010876	0	2	0.0	0.427	.99	.01
150876	0	2	0.0	0.427	.99	.01
290876	0	2	0.0	0.427	.99	.01
120976	0	2	0.0	0.427	.99	.01
260976	0	2	0.0	0.427	.99	.01
101076	0	2	0.0	0.427	.99	.01
010877	0	2	0.0	0.427	.99	.01



150877	0	2	0.0	0.427	.99	.01
290877	0	2	0.0	0.427	.99	.01
120977	0	2	0.0	0.427	.99	.01
260977	0	2	0.0	0.427	.99	.01
101077	0	2	0.0	0.427	.99	.01
010878	0	2	0.0	0.427	.99	.01
150878	0	2	0.0	0.427	.99	.01
290878	0	2	0.0	0.427	.99	.01
120978	0	2	0.0	0.427	.99	.01
260978	0	2	0.0	0.427	.99	.01
101078	0	2	0.0	0.427	.99	.01
010879	0	2	0.0	0.427	.99	.01
150879	0	2	0.0	0.427	.99	.01
290879	0	2	0.0	0.427	.99	.01
120979	0	2	0.0	0.427	.99	.01
260979	0	2	0.0	0.427	.99	.01
101079	0	2	0.0	0.427	.99	.01
010880	0	2	0.0	0.427	.99	.01
150880	0	2	0.0	0.427	.99	.01
290880	0	2	0.0	0.427	.99	.01
120980	0	2	0.0	0.427	.99	.01
260980	0	2	0.0	0.427	.99	.01
101080	0	2	0.0	0.427	.99	.01
010881	0	2	0.0	0.427	.99	.01
150881	0	2	0.0	0.427	.99	.01
290881	0	2	0.0	0.427	.99	.01
120981	0	2	0.0	0.427	.99	.01
260981	0	2	0.0	0.427	.99	.01
101081	0	2	0.0	0.427	.99	.01
010882	0	2	0.0	0.427	.99	.01
150882	0	2	0.0	0.427	.99	.01
290882	0	2	0.0	0.427	.99	.01
120982	0	2	0.0	0.427	.99	.01
260982	0	2	0.0	0.427	.99	.01
101082	0	2	0.0	0.427	.99	.01
010883	0	2	0.0	0.427	.99	.01
150883	0	2	0.0	0.427	.99	.01
290883	0	2	0.0	0.427	.99	.01
120983	0	2	0.0	0.427	.99	.01
260983	0	2	0.0	0.427	.99	.01
101083	0	2	0.0	0.427	.99	.01
010884	0	2	0.0	0.427	.99	.01
150884	0	2	0.0	0.427	.99	.01
290884	0	2	0.0	0.427	.99	.01
120984	0	2	0.0	0.427	.99	.01
260984	0	2	0.0	0.427	.99	.01
101084	0	2	0.0	0.427	.99	.01
010885	0	2	0.0	0.427	.99	.01
150885	0	2	0.0	0.427	.99	.01
290885	0	2	0.0	0.427	.99	.01
120985	0	2	0.0	0.427	.99	.01
260985	0	2	0.0	0.427	.99	.01
101085	0	2	0.0	0.427	.99	.01
010886	0	2	0.0	0.427	.99	.01
150886	0	2	0.0	0.427	.99	.01
290886	0	2	0.0	0.427	.99	.01
120986	0	2	0.0	0.427	.99	.01
260986	0	2	0.0	0.427	.99	.01
101086	0	2	0.0	0.427	.99	.01
010887	0	2	0.0	0.427	.99	.01
150887	0	2	0.0	0.427	.99	.01
290887	0	2	0.0	0.427	.99	.01
120987	0	2	0.0	0.427	.99	.01
260987	0	2	0.0	0.427	.99	.01
101087	0	2	0.0	0.427	.99	.01
010888	0	2	0.0	0.427	.99	.01
150888	0	2	0.0	0.427	.99	.01
290888	0	2	0.0	0.427	.99	.01
120988	0	2	0.0	0.427	.99	.01
260988	0	2	0.0	0.427	.99	.01
101088	0	2	0.0	0.427	.99	.01

```

010889 0 2 0.0 0.427 .99 .01
150889 0 2 0.0 0.427 .99 .01
290889 0 2 0.0 0.427 .99 .01
120989 0 2 0.0 0.427 .99 .01
260989 0 2 0.0 0.427 .99 .01
101089 0 2 0.0 0.427 .99 .01
010890 0 2 0.0 0.427 .99 .01
150890 0 2 0.0 0.427 .99 .01
290890 0 2 0.0 0.427 .99 .01
120990 0 2 0.0 0.427 .99 .01
260990 0 2 0.0 0.427 .99 .01
101090 0 2 0.0 0.427 .99 .01
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
Lordstown Channery Silt Loam
*** Record 20
100 0 0 1 0 0 0 0 0 0
*** Record 26
0 0 0
*** Record 30
41.241e6
*** Record 33
4
1 10 1.4 0.206 0 0 0
0.00304 0.00304 0
0.1 0.206 0.096 3.48 0
2 2 1.4 0.206 0 0 0
0.00304 0.00304 0
2 0.206 0.096 3.48 0
3 54 1.5 0.172 0 0 0
0.00304 0.00304 0
3 0.172 0.072 0.174 0
4 34 1.5 0.098 0 0 0
0.00304 0.00304 0
2 0.098 0.048 0.116 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 -----
7 YEAR
PRCP TCUM 0 0
RUNF TCUM 0 0
INFL TCUM 1 1
ESLS TCUM 0 0 1.0E3
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5
RZFX TCUM 0 0 1.0E5

```

### EXAMS INPUT FILE

```

set mode = 3
set outfil(1) to Y
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSEnv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w14860.dvf
SET YEAR1 = 1961
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005

```

```
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D61
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D62
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D63
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D64
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
```

```
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
```

```
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
```

QUIT

PRZM/EXAMS OUTPUT FILE

NY grapes

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.863	.250	.079	.059	.050	.014
1962	2.006	.656	.306	.243	.236	.130
1963	1.756	.812	.390	.311	.283	.239
1964	1.517	.655	.430	.388	.377	.344
1965	2.626	1.045	.604	.541	.517	.443
1966	1.964	.973	.675	.625	.593	.545
1967	1.810	.944	.737	.709	.698	.633
1968	2.432	1.158	.764	.713	.693	.674
1969	1.659	1.038	.810	.768	.757	.735
1970	2.946	1.365	1.007	.910	.894	.799
1971	1.464	1.057	.893	.870	.871	.849
1972	1.709	1.129	.975	.944	.945	.913
1973	1.813	1.169	1.018	.968	.967	.945
1974	2.160	1.290	1.051	1.017	1.002	.981
1975	2.663	1.679	1.208	1.119	1.102	1.051
1976	1.801	1.374	1.199	1.141	1.128	1.090
1977	3.068	1.726	1.330	1.251	1.239	1.149
1978	2.030	1.408	1.259	1.234	1.228	1.210
1979	3.905	2.100	1.463	1.379	1.357	1.262
1980	3.132	1.908	1.442	1.397	1.379	1.325
1981	3.394	1.865	1.440	1.378	1.367	1.339
1982	2.501	1.647	1.408	1.361	1.356	1.337
1983	3.141	1.900	1.483	1.431	1.417	1.347
1984	3.389	1.970	1.486	1.399	1.382	1.359
1985	3.325	2.127	1.630	1.506	1.461	1.381
1986	5.996	2.617	1.710	1.541	1.514	1.424
1987	2.631	1.759	1.546	1.503	1.489	1.443
1988	4.826	2.346	1.657	1.542	1.514	1.441
1989	2.304	1.644	1.480	1.468	1.468	1.449
1990	3.042	1.866	1.619	1.530	1.509	1.463

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	5.996	2.617	1.710	1.542	1.514	1.463
.065	4.826	2.346	1.657	1.541	1.514	1.449
.097	3.905	2.127	1.630	1.530	1.509	1.443
.129	3.394	2.100	1.619	1.506	1.489	1.441
.161	3.389	1.970	1.546	1.503	1.468	1.424
.194	3.325	1.908	1.486	1.468	1.461	1.381
.226	3.141	1.900	1.483	1.431	1.417	1.359
.258	3.132	1.866	1.480	1.399	1.382	1.347
.290	3.068	1.865	1.463	1.397	1.379	1.339
.323	3.042	1.759	1.442	1.379	1.367	1.337
.355	2.946	1.726	1.440	1.378	1.357	1.325
.387	2.663	1.679	1.408	1.361	1.356	1.262
.419	2.631	1.647	1.330	1.251	1.239	1.210
.452	2.626	1.644	1.259	1.234	1.228	1.149
.484	2.501	1.408	1.208	1.141	1.128	1.090
.516	2.432	1.374	1.199	1.119	1.102	1.051
.548	2.304	1.365	1.051	1.017	1.002	.981
.581	2.160	1.290	1.018	.968	.967	.945
.613	2.030	1.169	1.007	.944	.945	.913

.645	2.006	1.158	.975	.910	.894	.849
.677	1.964	1.129	.893	.870	.871	.799
.710	1.813	1.057	.810	.768	.757	.735
.742	1.810	1.045	.764	.713	.698	.674
.774	1.801	1.038	.737	.709	.693	.633
.806	1.756	.973	.675	.625	.593	.545
.839	1.709	.944	.604	.541	.517	.443
.871	1.659	.812	.430	.388	.377	.344
.903	1.517	.656	.390	.311	.283	.239
.935	1.464	.655	.306	.243	.236	.130
.968	.863	.250	.079	.059	.050	.014
1/10	3.854	2.124	1.629	1.528	1.507	1.443

MEAN OF ANNUAL VALUES = .977

STANDARD DEVIATION OF ANNUAL VALUES = .435

UPPER 90% CONFIDENCE LIMIT ON MEAN = 1.095

## NC Apples

### PRZM INPUT FILE

NC Apple 8/07/2001

"Henderson County MLRA 130; Metfile: W03812.dvf (old: Met130.met),"

\*\*\* Record 3:

0.76 0.16 0 17.5 1 3

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.2 3.63 1 10 3 12 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.25 150 90 3 84 79 84 0 425

\*\*\* Record 9a-e

1 24

0104 1604 0105 1605 0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111 1611

.035 .041 .045 .046 .048 .048 .046 .043 .043 .045 .049 .052 .055 .057 .008 .009

.023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023 .023

79 79 79 79 79 79 79 79 79 79 79 79 79 79 79 84 84

0112 1612 0101 1601 0102 1602 0103 1603

.010 .010 .011 .012 .017 .018 .025 .031

.023 .023 .023 .023 .023 .023 .023 .023

84 84 84 84 84 84 84 84

\*\*\* Record 10 -- NCPDS, the number of cropping periods

26

\*\*\* Record 11

010465 030565 251065 1

010466 030566 251066 1

010467 030567 251067 1

010468 030568 251068 1

010469 030569 251069 1

010470 030570 251070 1

010471 030571 251071 1

010472 030572 251072 1

010473 030573 251073 1

010474 030574 251074 1

010475 030575 251075 1

010476 030576 251076 1

010477 030577 251077 1

010478 030578 251078 1

010479 030579 251079 1

010480 030580 251080 1

010481 030581 251081 1

010482 030582 251082 1

010483 030583 251083 1

010484 030584 251084 1

010485 030585 251085 1

010486	030586	251086	1									
010487	030587	251087	1									
010488	030588	251088	1									
010489	030589	251089	1									
010490	030590	251090	1									
***	Record 12	--	PTITLE									
Pest 4	-	6 applications @	0.427	0.427	0.427	0.427	0.427	0.427	0.427	0.427	kg/ha	
***	Record 13											
	156	1	0	0								
***	Record 15	--	PSTNAM									
Pest 4												
***	Record 16											
010665	0 2	0.0	0.427	.95	.042							
150665	0 2	0.0	0.427	.95	.042							
290665	0 2	0.0	0.427	.95	.042							
130765	0 2	0.0	0.427	.95	.042							
270765	0 2	0.0	0.427	.95	.042							
100865	0 2	0.0	0.427	.95	.042							
010666	0 2	0.0	0.427	.95	.042							
150666	0 2	0.0	0.427	.95	.042							
290666	0 2	0.0	0.427	.95	.042							
130766	0 2	0.0	0.427	.95	.042							
270766	0 2	0.0	0.427	.95	.042							
100866	0 2	0.0	0.427	.95	.042							
010667	0 2	0.0	0.427	.95	.042							
150667	0 2	0.0	0.427	.95	.042							
290667	0 2	0.0	0.427	.95	.042							
130767	0 2	0.0	0.427	.95	.042							
270767	0 2	0.0	0.427	.95	.042							
100867	0 2	0.0	0.427	.95	.042							
010668	0 2	0.0	0.427	.95	.042							
150668	0 2	0.0	0.427	.95	.042							
290668	0 2	0.0	0.427	.95	.042							
130768	0 2	0.0	0.427	.95	.042							
270768	0 2	0.0	0.427	.95	.042							
100868	0 2	0.0	0.427	.95	.042							
010669	0 2	0.0	0.427	.95	.042							
150669	0 2	0.0	0.427	.95	.042							
290669	0 2	0.0	0.427	.95	.042							
130769	0 2	0.0	0.427	.95	.042							
270769	0 2	0.0	0.427	.95	.042							
100869	0 2	0.0	0.427	.95	.042							
010670	0 2	0.0	0.427	.95	.042							
150670	0 2	0.0	0.427	.95	.042							
290670	0 2	0.0	0.427	.95	.042							
130770	0 2	0.0	0.427	.95	.042							
270770	0 2	0.0	0.427	.95	.042							
100870	0 2	0.0	0.427	.95	.042							
010671	0 2	0.0	0.427	.95	.042							
150671	0 2	0.0	0.427	.95	.042							
290671	0 2	0.0	0.427	.95	.042							
130771	0 2	0.0	0.427	.95	.042							
270771	0 2	0.0	0.427	.95	.042							
100871	0 2	0.0	0.427	.95	.042							
010672	0 2	0.0	0.427	.95	.042							
150672	0 2	0.0	0.427	.95	.042							
290672	0 2	0.0	0.427	.95	.042							
130772	0 2	0.0	0.427	.95	.042							
270772	0 2	0.0	0.427	.95	.042							
100872	0 2	0.0	0.427	.95	.042							
010673	0 2	0.0	0.427	.95	.042							
150673	0 2	0.0	0.427	.95	.042							
290673	0 2	0.0	0.427	.95	.042							
130773	0 2	0.0	0.427	.95	.042							
270773	0 2	0.0	0.427	.95	.042							
100873	0 2	0.0	0.427	.95	.042							
010674	0 2	0.0	0.427	.95	.042							
150674	0 2	0.0	0.427	.95	.042							
290674	0 2	0.0	0.427	.95	.042							
130774	0 2	0.0	0.427	.95	.042							
270774	0 2	0.0	0.427	.95	.042							





```

270786 0 2 0.0 0.427 .95 .042
100886 0 2 0.0 0.427 .95 .042
010687 0 2 0.0 0.427 .95 .042
150687 0 2 0.0 0.427 .95 .042
290687 0 2 0.0 0.427 .95 .042
130787 0 2 0.0 0.427 .95 .042
270787 0 2 0.0 0.427 .95 .042
100887 0 2 0.0 0.427 .95 .042
010688 0 2 0.0 0.427 .95 .042
150688 0 2 0.0 0.427 .95 .042
290688 0 2 0.0 0.427 .95 .042
130788 0 2 0.0 0.427 .95 .042
270788 0 2 0.0 0.427 .95 .042
100888 0 2 0.0 0.427 .95 .042
010689 0 2 0.0 0.427 .95 .042
150689 0 2 0.0 0.427 .95 .042
290689 0 2 0.0 0.427 .95 .042
130789 0 2 0.0 0.427 .95 .042
270789 0 2 0.0 0.427 .95 .042
100889 0 2 0.0 0.427 .95 .042
010690 0 2 0.0 0.427 .95 .042
150690 0 2 0.0 0.427 .95 .042
290690 0 2 0.0 0.427 .95 .042
130790 0 2 0.0 0.427 .95 .042
270790 0 2 0.0 0.427 .95 .042
100890 0 2 0.0 0.427 .95 .042
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
Hayesville Loam; HYDG: C
*** Record 20
150 0 0 1 0 0 0 0 0 0
*** Record 26
0 0 0
*** Record 30
41.241e6
*** Record 33
4
1 10 1.3 0.392 0 0 0
0.00304 0.00304 0
0.1 0.392 0.192 0.58 0
2 6 1.3 0.392 0 0 0
0.00304 0.00304 0
3 3 0.392 0.192 0.58 0
3 84 1.3 0.475 0 0 0
0.00304 0.00304 0
4 4 0.475 0.275 0.116 0
4 50 1.3 0.259 0 0 0
0.00304 0.00304 0
5 5 0.259 0.109 0.058 0
***Record 40
0
YEAR 10 YEAR 10 YEAR 10 1
1
1 -----
7 YEAR
PRCP TCUM 0 0
RUNF TCUM 0 0
INFL TCUM 1 1
ESLS TCUM 0 0 1.0E3
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5
RZFX TCUM 0 0 1.0E5

```

**EXAMS INPUT FILE**

```

set mode = 3
set outfil(1) to Y

```

```
set outfil(4) to Y
set outfil(2) to N
READ ENV C:\models\INPUTS\EXAMSenv\pond298.exv
READ MET C:\models\INPUTS\Metfiles\w03812.dvf
SET YEAR1 = 1965
recall chem 1
chemical name is Pest 4
set MWT(1) = 491.1
set HENRY(1) = 4.95e-10
set VAPR(1) = 2.05E-7
set SOL(1,1) = 0.15
set KDP(1,1) = 0.00962704417444368
set KBACW(*,1,1) = 0.000155108123111338
set KBACS(*,1,1) = 2.60190383093073e-005
set KOC(1) = 1241000
set QTBAS(*,1,1) = 2
set QTBAW(*,1,1) = 2
READ PRZM P2E-C1.D65
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
RUN
READ PRZM P2E-C1.D66
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D67
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D68
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D69
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D70
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D71
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D72
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D73
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D74
```

```
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D75
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D76
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D77
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D78
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D79
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D80
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D81
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D82
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D83
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D84
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D85
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
```

```

set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D86
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D87
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D88
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D89
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
READ PRZM P2E-C1.D90
set STFLO(1,*) = 0.0
set EVAP(*,*) = 0.0
set NPSFL(*,*)=0.0
set NPSED(*,*)=0.0
set RAIN(*) = 0.0
CONTINUE
QUIT

```

**PRZM/EXAMS OUTPUT FILE**

NC Apple

WATER COLUMN DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1965	.477	.140	.062	.049	.047	.023
1966	1.243	.399	.195	.169	.165	.104
1967	1.722	1.008	.445	.343	.324	.224
1968	1.184	.602	.419	.365	.359	.319
1969	2.823	1.020	.529	.460	.444	.378
1970	.894	.535	.442	.423	.417	.406
1971	.931	.557	.462	.448	.438	.421
1972	1.700	.780	.538	.518	.504	.464
1973	1.853	.901	.653	.606	.591	.535
1974	1.358	.771	.632	.593	.585	.564
1975	1.800	.900	.653	.619	.609	.579
1976	1.082	.748	.659	.649	.644	.615
1977	1.792	.937	.743	.695	.687	.641
1978	1.613	.949	.737	.697	.686	.667
1979	1.068	.763	.690	.679	.676	.666
1980	1.003	.745	.693	.677	.673	.653
1981	1.195	.849	.716	.675	.667	.635
1982	1.623	.895	.766	.703	.686	.643
1983	1.133	.761	.662	.653	.648	.644
1984	1.215	.813	.732	.706	.694	.663
1985	2.744	1.217	.793	.720	.705	.669
1986	2.159	1.055	.769	.709	.701	.671
1987	1.941	1.010	.801	.746	.734	.702
1988	.909	.742	.708	.705	.703	.688

1989	1.591	.940	.806	.762	.756	.707
1990	2.862	1.329	.893	.828	.815	.762

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.037	2.862	1.329	.893	.828	.815	.762
.074	2.823	1.217	.806	.762	.756	.707
.111	2.744	1.055	.801	.746	.734	.702
.148	2.159	1.020	.793	.720	.705	.688
.185	1.941	1.010	.769	.709	.703	.671
.222	1.853	1.008	.766	.706	.701	.669
.259	1.800	.949	.743	.705	.694	.667
.296	1.792	.940	.737	.703	.687	.666
.333	1.722	.937	.732	.697	.686	.663
.370	1.700	.901	.716	.695	.686	.653
.407	1.623	.900	.708	.679	.676	.644
.444	1.613	.895	.693	.677	.673	.643
.481	1.591	.849	.690	.675	.667	.641
.519	1.358	.813	.662	.653	.648	.635
.556	1.243	.780	.659	.649	.644	.615
.593	1.215	.771	.653	.619	.609	.579
.630	1.195	.763	.653	.606	.591	.564
.667	1.184	.761	.632	.593	.585	.535
.704	1.133	.748	.538	.518	.504	.464
.741	1.082	.745	.529	.460	.444	.421
.778	1.068	.742	.462	.448	.438	.406
.815	1.003	.602	.445	.423	.417	.378
.852	.931	.557	.442	.365	.359	.319
.889	.909	.535	.419	.343	.324	.224
.926	.894	.399	.195	.169	.165	.104
.963	.477	.140	.062	.049	.047	.023
1/10	2.768	1.104	.803	.750	.741	.704

MEAN OF ANNUAL VALUES = .540  
STANDARD DEVIATION OF ANNUAL VALUES = .194  
UPPER 90% CONFIDENCE LIMIT ON MEAN = .597

## Persistence Evaluation of Pesticide 1 in Soil

### RS Method

#### Isomer 1

#### PRZM INPUT FILE

"FL Tomato (General Vegetable Scenario): MLRA 155, Metfile: W12844.dvf, (West Palm Beach),

"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in FL) Counties; MLRA: 155"

\*\*\* Record 3:

0.78 0 0 32.5 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.03 0.2 1 10 4 1 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.1 30 40 3 91 87 91 0 150

\*\*\* Record 9a-e

1 27

0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108

.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162  
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011  
87 87 87 87 87 87 87 87 87 91 91 91 91 91 91  
1008 1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601  
.210 .291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830  
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011  
91 91 91 91 91 91 91 91 91 91 91 91

\*\*\* Record 10 -- NCPDS, the number of cropping periods  
30

\*\*\* Record 11

010261	210461	150561	1
010262	210462	150562	1
010263	210463	150563	1
010264	210464	150564	1
010265	210465	150565	1
010266	210466	150566	1
010267	210467	150567	1
010268	210468	150568	1
010269	210469	150569	1
010270	210470	150570	1
010271	210471	150571	1
010272	210472	150572	1
010273	210473	150573	1
010274	210474	150574	1
010275	210475	150575	1
010276	210476	150576	1
010277	210477	150577	1
010278	210478	150578	1
010279	210479	150579	1
010280	210480	150580	1
010281	210481	150581	1
010282	210482	150582	1
010283	210483	150583	1
010284	210484	150584	1
010285	210485	150585	1
010286	210486	150586	1
010287	210487	150587	1
010288	210488	150588	1
010289	210489	150589	1
010290	210490	150590	1

\*\*\* Record 12 -- PTITLE

Isomer 1 - 3 applications @ 1.60 1.60 1.60 kg/ha

\*\*\* Record 13

90 1 0 0

\*\*\* Record 15 -- PSTNAM

Isomer 1

\*\*\* Record 16

010661	0	2	0.0	1.6	.95	.05
100761	0	2	0.0	1.6	.95	.05
150861	0	2	0.0	1.6	.95	.05
010662	0	2	0.0	1.6	.95	.05
100762	0	2	0.0	1.6	.95	.05
150862	0	2	0.0	1.6	.95	.05
010663	0	2	0.0	1.6	.95	.05
100763	0	2	0.0	1.6	.95	.05
150863	0	2	0.0	1.6	.95	.05
010664	0	2	0.0	1.6	.95	.05
100764	0	2	0.0	1.6	.95	.05
150864	0	2	0.0	1.6	.95	.05
010665	0	2	0.0	1.6	.95	.05
100765	0	2	0.0	1.6	.95	.05
150865	0	2	0.0	1.6	.95	.05
010666	0	2	0.0	1.6	.95	.05
100766	0	2	0.0	1.6	.95	.05
150866	0	2	0.0	1.6	.95	.05
010667	0	2	0.0	1.6	.95	.05
100767	0	2	0.0	1.6	.95	.05
150867	0	2	0.0	1.6	.95	.05
010668	0	2	0.0	1.6	.95	.05
100768	0	2	0.0	1.6	.95	.05
150868	0	2	0.0	1.6	.95	.05

010669	0	2	0.0	1.6	.95	.05
100769	0	2	0.0	1.6	.95	.05
150869	0	2	0.0	1.6	.95	.05
010670	0	2	0.0	1.6	.95	.05
100770	0	2	0.0	1.6	.95	.05
150870	0	2	0.0	1.6	.95	.05
010671	0	2	0.0	1.6	.95	.05
100771	0	2	0.0	1.6	.95	.05
150871	0	2	0.0	1.6	.95	.05
010672	0	2	0.0	1.6	.95	.05
100772	0	2	0.0	1.6	.95	.05
150872	0	2	0.0	1.6	.95	.05
010673	0	2	0.0	1.6	.95	.05
100773	0	2	0.0	1.6	.95	.05
150873	0	2	0.0	1.6	.95	.05
010674	0	2	0.0	1.6	.95	.05
100774	0	2	0.0	1.6	.95	.05
150874	0	2	0.0	1.6	.95	.05
010675	0	2	0.0	1.6	.95	.05
100775	0	2	0.0	1.6	.95	.05
150875	0	2	0.0	1.6	.95	.05
010676	0	2	0.0	1.6	.95	.05
100776	0	2	0.0	1.6	.95	.05
150876	0	2	0.0	1.6	.95	.05
010677	0	2	0.0	1.6	.95	.05
100777	0	2	0.0	1.6	.95	.05
150877	0	2	0.0	1.6	.95	.05
010678	0	2	0.0	1.6	.95	.05
100778	0	2	0.0	1.6	.95	.05
150878	0	2	0.0	1.6	.95	.05
010679	0	2	0.0	1.6	.95	.05
100779	0	2	0.0	1.6	.95	.05
150879	0	2	0.0	1.6	.95	.05
010680	0	2	0.0	1.6	.95	.05
100780	0	2	0.0	1.6	.95	.05
150880	0	2	0.0	1.6	.95	.05
010681	0	2	0.0	1.6	.95	.05
100781	0	2	0.0	1.6	.95	.05
150881	0	2	0.0	1.6	.95	.05
010682	0	2	0.0	1.6	.95	.05
100782	0	2	0.0	1.6	.95	.05
150882	0	2	0.0	1.6	.95	.05
010683	0	2	0.0	1.6	.95	.05
100783	0	2	0.0	1.6	.95	.05
150883	0	2	0.0	1.6	.95	.05
010684	0	2	0.0	1.6	.95	.05
100784	0	2	0.0	1.6	.95	.05
150884	0	2	0.0	1.6	.95	.05
010685	0	2	0.0	1.6	.95	.05
100785	0	2	0.0	1.6	.95	.05
150885	0	2	0.0	1.6	.95	.05
010686	0	2	0.0	1.6	.95	.05
100786	0	2	0.0	1.6	.95	.05
150886	0	2	0.0	1.6	.95	.05
010687	0	2	0.0	1.6	.95	.05
100787	0	2	0.0	1.6	.95	.05
150887	0	2	0.0	1.6	.95	.05
010688	0	2	0.0	1.6	.95	.05
100788	0	2	0.0	1.6	.95	.05
150888	0	2	0.0	1.6	.95	.05
010689	0	2	0.0	1.6	.95	.05
100789	0	2	0.0	1.6	.95	.05
150889	0	2	0.0	1.6	.95	.05
010690	0	2	0.0	1.6	.95	.05
100790	0	2	0.0	1.6	.95	.05
150890	0	2	0.0	1.6	.95	.05
*** Record 17						
	0		1			0
*** Record 18						
	0		0			0.5
*** Record 19	--		STITLE			





010270	210470	150570	1
010271	210471	150571	1
010272	210472	150572	1
010273	210473	150573	1
010274	210474	150574	1
010275	210475	150575	1
010276	210476	150576	1
010277	210477	150577	1
010278	210478	150578	1
010279	210479	150579	1
010280	210480	150580	1
010281	210481	150581	1
010282	210482	150582	1
010283	210483	150583	1
010284	210484	150584	1
010285	210485	150585	1
010286	210486	150586	1
010287	210487	150587	1
010288	210488	150588	1
010289	210489	150589	1
010290	210490	150590	1

\*\*\* Record 12 -- PTITLE  
Isomer 2 - 3 applications @ 0.60      0.60      0.60 kg/ha

\*\*\* Record 13  
90            1            0            0

\*\*\* Record 15 -- PSTNAM  
Isomer 2

\*\*\* Record 16

010661	0	2	0.0	0.6	.95	.05
100761	0	2	0.0	0.6	.95	.05
150861	0	2	0.0	0.6	.95	.05
010662	0	2	0.0	0.6	.95	.05
100762	0	2	0.0	0.6	.95	.05
150862	0	2	0.0	0.6	.95	.05
010663	0	2	0.0	0.6	.95	.05
100763	0	2	0.0	0.6	.95	.05
150863	0	2	0.0	0.6	.95	.05
010664	0	2	0.0	0.6	.95	.05
100764	0	2	0.0	0.6	.95	.05
150864	0	2	0.0	0.6	.95	.05
010665	0	2	0.0	0.6	.95	.05
100765	0	2	0.0	0.6	.95	.05
150865	0	2	0.0	0.6	.95	.05
010666	0	2	0.0	0.6	.95	.05
100766	0	2	0.0	0.6	.95	.05
150866	0	2	0.0	0.6	.95	.05
010667	0	2	0.0	0.6	.95	.05
100767	0	2	0.0	0.6	.95	.05
150867	0	2	0.0	0.6	.95	.05
010668	0	2	0.0	0.6	.95	.05
100768	0	2	0.0	0.6	.95	.05
150868	0	2	0.0	0.6	.95	.05
010669	0	2	0.0	0.6	.95	.05
100769	0	2	0.0	0.6	.95	.05
150869	0	2	0.0	0.6	.95	.05
010670	0	2	0.0	0.6	.95	.05
100770	0	2	0.0	0.6	.95	.05
150870	0	2	0.0	0.6	.95	.05
010671	0	2	0.0	0.6	.95	.05
100771	0	2	0.0	0.6	.95	.05
150871	0	2	0.0	0.6	.95	.05
010672	0	2	0.0	0.6	.95	.05
100772	0	2	0.0	0.6	.95	.05
150872	0	2	0.0	0.6	.95	.05
010673	0	2	0.0	0.6	.95	.05
100773	0	2	0.0	0.6	.95	.05
150873	0	2	0.0	0.6	.95	.05
010674	0	2	0.0	0.6	.95	.05
100774	0	2	0.0	0.6	.95	.05
150874	0	2	0.0	0.6	.95	.05
010675	0	2	0.0	0.6	.95	.05



```

0
YEAR 10 YEAR 10 YEAR 10 1
1
1 -----
7 YEAR
VFLX TCUM 0 0
VFLX TSER 0 0
TCON TAVE 1 100
ACON TAVE 1 100
DCON TAVE 1 100
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5

```

**Degradation Product**

**PRZM INPUT FILE**

"FL Tomato (General Vegetable Scenario): MLRA 155, Metfile: W12844.dvf, (West Palm Beach),

"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in FL) Counties; MLRA: 155"

\*\*\* Record 3:

```

0.78 0 0 32.5 1 1

```

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

```

0.03 0.2 1 10 4 1 356.8

```

\*\*\* Record 8

1

\*\*\* Record 9

```

1 0.1 30 40 3 91 87 91 0 150

```

\*\*\* Record 9a-e

1 27

```

0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108
.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
87 87 87 87 87 87 87 87 91 91 91 91 91 91 91
1008 1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.210 .291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830
.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011
91 91 91 91 91 91 91 91 91 91 91 91 91

```

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

```

010261 210461 150561 1
010262 210462 150562 1
010263 210463 150563 1
010264 210464 150564 1
010265 210465 150565 1
010266 210466 150566 1
010267 210467 150567 1
010268 210468 150568 1
010269 210469 150569 1
010270 210470 150570 1
010271 210471 150571 1
010272 210472 150572 1
010273 210473 150573 1
010274 210474 150574 1
010275 210475 150575 1
010276 210476 150576 1
010277 210477 150577 1
010278 210478 150578 1
010279 210479 150579 1
010280 210480 150580 1
010281 210481 150581 1
010282 210482 150582 1
010283 210483 150583 1
010284 210484 150584 1
010285 210485 150585 1
010286 210486 150586 1
010287 210487 150587 1

```

010288	210488	150588	1		
010289	210489	150589	1		
010290	210490	150590	1		

\*\*\* Record 12 -- PTITLE  
 Degradate - 3 applications @ 1.205 1.205 1.205 kg/ha

*** Record 13	90	1	0	0	
---------------	----	---	---	---	--

\*\*\* Record 15 -- PSTNAM  
 Degradate

\*\*\* Record 16

010661	0	2	0.0	1.205	.95	.05
100761	0	2	0.0	1.205	.95	.05
150861	0	2	0.0	1.205	.95	.05
010662	0	2	0.0	1.205	.95	.05
100762	0	2	0.0	1.205	.95	.05
150862	0	2	0.0	1.205	.95	.05
010663	0	2	0.0	1.205	.95	.05
100763	0	2	0.0	1.205	.95	.05
150863	0	2	0.0	1.205	.95	.05
010664	0	2	0.0	1.205	.95	.05
100764	0	2	0.0	1.205	.95	.05
150864	0	2	0.0	1.205	.95	.05
010665	0	2	0.0	1.205	.95	.05
100765	0	2	0.0	1.205	.95	.05
150865	0	2	0.0	1.205	.95	.05
010666	0	2	0.0	1.205	.95	.05
100766	0	2	0.0	1.205	.95	.05
150866	0	2	0.0	1.205	.95	.05
010667	0	2	0.0	1.205	.95	.05
100767	0	2	0.0	1.205	.95	.05
150867	0	2	0.0	1.205	.95	.05
010668	0	2	0.0	1.205	.95	.05
100768	0	2	0.0	1.205	.95	.05
150868	0	2	0.0	1.205	.95	.05
010669	0	2	0.0	1.205	.95	.05
100769	0	2	0.0	1.205	.95	.05
150869	0	2	0.0	1.205	.95	.05
010670	0	2	0.0	1.205	.95	.05
100770	0	2	0.0	1.205	.95	.05
150870	0	2	0.0	1.205	.95	.05
010671	0	2	0.0	1.205	.95	.05
100771	0	2	0.0	1.205	.95	.05
150871	0	2	0.0	1.205	.95	.05
010672	0	2	0.0	1.205	.95	.05
100772	0	2	0.0	1.205	.95	.05
150872	0	2	0.0	1.205	.95	.05
010673	0	2	0.0	1.205	.95	.05
100773	0	2	0.0	1.205	.95	.05
150873	0	2	0.0	1.205	.95	.05
010674	0	2	0.0	1.205	.95	.05
100774	0	2	0.0	1.205	.95	.05
150874	0	2	0.0	1.205	.95	.05
010675	0	2	0.0	1.205	.95	.05
100775	0	2	0.0	1.205	.95	.05
150875	0	2	0.0	1.205	.95	.05
010676	0	2	0.0	1.205	.95	.05
100776	0	2	0.0	1.205	.95	.05
150876	0	2	0.0	1.205	.95	.05
010677	0	2	0.0	1.205	.95	.05
100777	0	2	0.0	1.205	.95	.05
150877	0	2	0.0	1.205	.95	.05
010678	0	2	0.0	1.205	.95	.05
100778	0	2	0.0	1.205	.95	.05
150878	0	2	0.0	1.205	.95	.05
010679	0	2	0.0	1.205	.95	.05
100779	0	2	0.0	1.205	.95	.05
150879	0	2	0.0	1.205	.95	.05
010680	0	2	0.0	1.205	.95	.05
100780	0	2	0.0	1.205	.95	.05
150880	0	2	0.0	1.205	.95	.05
010681	0	2	0.0	1.205	.95	.05

```

100781 0 2 0.0 1.205 .95 .05
150881 0 2 0.0 1.205 .95 .05
010682 0 2 0.0 1.205 .95 .05
100782 0 2 0.0 1.205 .95 .05
150882 0 2 0.0 1.205 .95 .05
010683 0 2 0.0 1.205 .95 .05
100783 0 2 0.0 1.205 .95 .05
150883 0 2 0.0 1.205 .95 .05
010684 0 2 0.0 1.205 .95 .05
100784 0 2 0.0 1.205 .95 .05
150884 0 2 0.0 1.205 .95 .05
010685 0 2 0.0 1.205 .95 .05
100785 0 2 0.0 1.205 .95 .05
150885 0 2 0.0 1.205 .95 .05
010686 0 2 0.0 1.205 .95 .05
100786 0 2 0.0 1.205 .95 .05
150886 0 2 0.0 1.205 .95 .05
010687 0 2 0.0 1.205 .95 .05
100787 0 2 0.0 1.205 .95 .05
150887 0 2 0.0 1.205 .95 .05
010688 0 2 0.0 1.205 .95 .05
100788 0 2 0.0 1.205 .95 .05
150888 0 2 0.0 1.205 .95 .05
010689 0 2 0.0 1.205 .95 .05
100789 0 2 0.0 1.205 .95 .05
150889 0 2 0.0 1.205 .95 .05
010690 0 2 0.0 1.205 .95 .05
100790 0 2 0.0 1.205 .95 .05
150890 0 2 0.0 1.205 .95 .05
*** Record 17
0 1 0
*** Record 18
0 0 0.5
*** Record 19 -- STITLE
Riviera Sand; HYDG: C
*** Record 20
100 0 0 1 0 0 0 0 0 0
*** Record 26
43004.1e-009 20
*** Record 30
4 10600
*** Record 33
3
1 10 1.65 0.073 0 0 0
0 0
0.1 0.073 0.023 1.16 0
2 62 1.65 0.073 0 0 0
0 0
2 0.073 0.023 1.16 0
3 28 1.7 0.211 0 0 0
0 0
4 0.211 0.091 0.174 0
***Record 40
0
1 YEAR 10 YEAR 10 YEAR 10 1
1 -----
7 YEAR
VFLX TCUM 0 0
VFLX TSER 0 0
TCON TAVE 1 100
ACON TAVE 1 100
DCON TAVE 1 100
RFLX TCUM 0 0 1.0E5
EFLX TCUM 0 0 1.0E5

```

**TR Method**

**PRZM INPUT FILE**

"FL Tomato (General Vegetable Scenario): MLRA 155, Metfile: W12844.dvf, (West Palm Beach),

"Manatee (#1 in FL), Collier (#2 in FL) and Lee (#3 in FL) Counties; MLRA: 155"

\*\*\* Record 3:

0.78 0 0 32.5 1 1

\*\*\* Record 6 -- ERFLAG

4

\*\*\* Record 7:

0.03 0.2 1 10 4 1 356.8

\*\*\* Record 8

1

\*\*\* Record 9

1 0.1 30 40 3 91 87 91 0 150

\*\*\* Record 9a-e

1 27

0102 1602 0103 1603 0104 1604 0105 1505 1605 2505 0106 1606 0107 1607 0108

.846 .859 .870 .878 .881 .881 .880 .836 .849 .938 .840 .572 .285 .177 .162

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

87 87 87 87 87 87 87 87 91 91 91 91 91 91 91

1008 1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601

.210 .291 .422 .547 .636 .683 .715 .743 .768 .793 .813 .830

.011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011 .011

91 91 91 91 91 91 91 91 91 91 91 91

\*\*\* Record 10 -- NCPDS, the number of cropping periods

30

\*\*\* Record 11

010261 210461 150561 1

010262 210462 150562 1

010263 210463 150563 1

010264 210464 150564 1

010265 210465 150565 1

010266 210466 150566 1

010267 210467 150567 1

010268 210468 150568 1

010269 210469 150569 1

010270 210470 150570 1

010271 210471 150571 1

010272 210472 150572 1

010273 210473 150573 1

010274 210474 150574 1

010275 210475 150575 1

010276 210476 150576 1

010277 210477 150577 1

010278 210478 150578 1

010279 210479 150579 1

010280 210480 150580 1

010281 210481 150581 1

010282 210482 150582 1

010283 210483 150583 1

010284 210484 150584 1

010285 210485 150585 1

010286 210486 150586 1

010287 210487 150587 1

010288 210488 150588 1

010289 210489 150589 1

010290 210490 150590 1

\*\*\* Record 12 -- PTITLE

total - 3 applications @ 3.363 3.363 3.363 kg/ha

\*\*\* Record 13

90 1 0 0

\*\*\* Record 15 -- PSTNAM

total Pesticide 1

\*\*\* Record 16

010661 0 2 0.0 3.363 .95 .05

100761 0 2 0.0 3.363 .95 .05

150861 0 2 0.0 3.363 .95 .05

010662 0 2 0.0 3.363 .95 .05

100762 0 2 0.0 3.363 .95 .05

150862 0 2 0.0 3.363 .95 .05

010663 0 2 0.0 3.363 .95 .05

100763 0 2 0.0 3.363 .95 .05

150863	0	2	0.0	3.363	.95	.05
010664	0	2	0.0	3.363	.95	.05
100764	0	2	0.0	3.363	.95	.05
150864	0	2	0.0	3.363	.95	.05
010665	0	2	0.0	3.363	.95	.05
100765	0	2	0.0	3.363	.95	.05
150865	0	2	0.0	3.363	.95	.05
010666	0	2	0.0	3.363	.95	.05
100766	0	2	0.0	3.363	.95	.05
150866	0	2	0.0	3.363	.95	.05
010667	0	2	0.0	3.363	.95	.05
100767	0	2	0.0	3.363	.95	.05
150867	0	2	0.0	3.363	.95	.05
010668	0	2	0.0	3.363	.95	.05
100768	0	2	0.0	3.363	.95	.05
150868	0	2	0.0	3.363	.95	.05
010669	0	2	0.0	3.363	.95	.05
100769	0	2	0.0	3.363	.95	.05
150869	0	2	0.0	3.363	.95	.05
010670	0	2	0.0	3.363	.95	.05
100770	0	2	0.0	3.363	.95	.05
150870	0	2	0.0	3.363	.95	.05
010671	0	2	0.0	3.363	.95	.05
100771	0	2	0.0	3.363	.95	.05
150871	0	2	0.0	3.363	.95	.05
010672	0	2	0.0	3.363	.95	.05
100772	0	2	0.0	3.363	.95	.05
150872	0	2	0.0	3.363	.95	.05
010673	0	2	0.0	3.363	.95	.05
100773	0	2	0.0	3.363	.95	.05
150873	0	2	0.0	3.363	.95	.05
010674	0	2	0.0	3.363	.95	.05
100774	0	2	0.0	3.363	.95	.05
150874	0	2	0.0	3.363	.95	.05
010675	0	2	0.0	3.363	.95	.05
100775	0	2	0.0	3.363	.95	.05
150875	0	2	0.0	3.363	.95	.05
010676	0	2	0.0	3.363	.95	.05
100776	0	2	0.0	3.363	.95	.05
150876	0	2	0.0	3.363	.95	.05
010677	0	2	0.0	3.363	.95	.05
100777	0	2	0.0	3.363	.95	.05
150877	0	2	0.0	3.363	.95	.05
010678	0	2	0.0	3.363	.95	.05
100778	0	2	0.0	3.363	.95	.05
150878	0	2	0.0	3.363	.95	.05
010679	0	2	0.0	3.363	.95	.05
100779	0	2	0.0	3.363	.95	.05
150879	0	2	0.0	3.363	.95	.05
010680	0	2	0.0	3.363	.95	.05
100780	0	2	0.0	3.363	.95	.05
150880	0	2	0.0	3.363	.95	.05
010681	0	2	0.0	3.363	.95	.05
100781	0	2	0.0	3.363	.95	.05
150881	0	2	0.0	3.363	.95	.05
010682	0	2	0.0	3.363	.95	.05
100782	0	2	0.0	3.363	.95	.05
150882	0	2	0.0	3.363	.95	.05
010683	0	2	0.0	3.363	.95	.05
100783	0	2	0.0	3.363	.95	.05
150883	0	2	0.0	3.363	.95	.05
010684	0	2	0.0	3.363	.95	.05
100784	0	2	0.0	3.363	.95	.05
150884	0	2	0.0	3.363	.95	.05
010685	0	2	0.0	3.363	.95	.05
100785	0	2	0.0	3.363	.95	.05
150885	0	2	0.0	3.363	.95	.05
010686	0	2	0.0	3.363	.95	.05
100786	0	2	0.0	3.363	.95	.05
150886	0	2	0.0	3.363	.95	.05
010687	0	2	0.0	3.363	.95	.05



```

100787 0 2 0.0 3.363 .95 .05
150887 0 2 0.0 3.363 .95 .05
010688 0 2 0.0 3.363 .95 .05
100788 0 2 0.0 3.363 .95 .05
150888 0 2 0.0 3.363 .95 .05
010689 0 2 0.0 3.363 .95 .05
100789 0 2 0.0 3.363 .95 .05
150889 0 2 0.0 3.363 .95 .05
010690 0 2 0.0 3.363 .95 .05
100790 0 2 0.0 3.363 .95 .05
150890 0 2 0.0 3.363 .95 .05
*** Record 17
  0      1      0
*** Record 18
  0      0      0.5
*** Record 19 -- STITLE
Riviera Sand; HYDG: C
*** Record 20
 100      0  0  1  0  0  0  0  0  0
*** Record 26
43005.6e-005      20
*** Record 30
  4 10600
*** Record 33
  3
  1      10      1.65      0.073      0      0      0
  0.0005190.000519      0
      0.1      0.073      0.023      1.16      0
  2      62      1.65      0.073      0      0      0
  0.0005190.000519      0
      2      0.073      0.023      1.16      0
  3      28      1.7      0.211      0      0      0
  0.0005190.000519      0
      4      0.211      0.091      0.174      0
***Record 40
  0
      YEAR      10      YEAR      10      YEAR      10  1
  1
  1 -----
  7      YEAR
VFLX      TCUM      0  0
VFLX      TSER      0  0
TCON      TAVE      1 100
ACON      TAVE      1 100
DCON      TAVE      1 100
RFLX      TCUM      0  0  1.0E5
EFLX      TCUM      0  0  1.0E5

```

## Persistence Evaluation of Pesticide 4 in Sediment

**PRZM/EXAMS OUTPUT FILES**  
**(PRZM/EXAMS INPUT FILES ARE PRESENTED IN THE DATA APPENDIX**  
**FOR INTERPRETATION OF SOLUBILITY)**

MS Cotton

PORE WATER OUTPUT

MS Cotton

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.016	.016	.016	.015	.014	.007
1962	.022	.021	.020	.020	.020	.017
1963	.033	.033	.033	.031	.031	.027
1964	.045	.045	.044	.044	.044	.038
1965	.053	.053	.053	.052	.052	.046
1966	.058	.058	.058	.058	.057	.054
1967	.064	.064	.063	.062	.062	.059
1968	.064	.064	.064	.064	.064	.063
1969	.069	.068	.068	.067	.066	.065
1970	.074	.073	.073	.073	.073	.069
1971	.077	.077	.077	.076	.076	.073
1972	.077	.077	.077	.076	.076	.073
1973	.075	.075	.075	.075	.075	.073
1974	.078	.078	.078	.077	.077	.075
1975	.088	.088	.087	.087	.086	.081
1976	.087	.087	.086	.086	.086	.083
1977	.086	.086	.086	.086	.085	.085
1978	.086	.086	.086	.086	.086	.083
1979	.095	.095	.095	.095	.094	.089
1980	.091	.091	.091	.091	.090	.087
1981	.089	.089	.089	.088	.088	.086
1982	.095	.095	.095	.094	.093	.089
1983	.090	.090	.090	.090	.090	.087
1984	.092	.092	.092	.091	.091	.089
1985	.094	.094	.094	.093	.093	.090
1986	.092	.092	.091	.091	.091	.090
1987	.091	.091	.091	.091	.091	.089
1988	.089	.089	.088	.088	.088	.087
1989	.091	.091	.091	.090	.090	.089
1990	.091	.091	.091	.091	.091	.087

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.095	.095	.095	.095	.094	.090
.065	.095	.095	.095	.094	.093	.090
.097	.094	.094	.094	.093	.093	.089
.129	.092	.092	.092	.091	.091	.089
.161	.092	.092	.091	.091	.091	.089
.194	.091	.091	.091	.091	.091	.089
.226	.091	.091	.091	.091	.091	.089
.258	.091	.091	.091	.091	.090	.087
.290	.091	.091	.091	.090	.090	.087
.323	.090	.090	.090	.090	.090	.087
.355	.089	.089	.089	.088	.088	.087
.387	.089	.089	.088	.088	.088	.086
.419	.088	.088	.087	.087	.086	.085
.452	.087	.087	.086	.086	.086	.083
.484	.086	.086	.086	.086	.086	.083
.516	.086	.086	.086	.086	.085	.081
.548	.078	.078	.078	.077	.077	.075
.581	.077	.077	.077	.076	.076	.073
.613	.077	.077	.077	.076	.076	.073
.645	.075	.075	.075	.075	.075	.073
.677	.074	.073	.073	.073	.073	.069
.710	.069	.068	.068	.067	.066	.065
.742	.064	.064	.064	.064	.064	.063
.774	.064	.064	.063	.062	.062	.059
.806	.058	.058	.058	.058	.057	.054

.839	.053	.053	.053	.052	.052	.046
.871	.045	.045	.044	.044	.044	.038
.903	.033	.033	.033	.031	.031	.027
.935	.022	.021	.020	.020	.020	.017
.968	.016	.016	.016	.015	.014	.007
1/10	.094	.094	.093	.093	.092	.089

**SEDIMENT OUTPUT**

MS Cotton

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1961	.798	.798	.792	.745	.711	.329
1962	1.070	1.060	1.010	1.000	1.000	.867
1963	1.620	1.620	1.620	1.560	1.550	1.340
1964	2.210	2.210	2.210	2.190	2.180	1.870
1965	2.630	2.630	2.620	2.600	2.590	2.280
1966	2.880	2.880	2.870	2.850	2.840	2.660
1967	3.180	3.180	3.150	3.100	3.090	2.950
1968	3.190	3.190	3.190	3.180	3.180	3.110
1969	3.410	3.390	3.360	3.310	3.290	3.220
1970	3.650	3.650	3.640	3.630	3.620	3.430
1971	3.840	3.840	3.830	3.790	3.790	3.640
1972	3.810	3.810	3.810	3.800	3.780	3.640
1973	3.740	3.740	3.740	3.730	3.730	3.610
1974	3.890	3.890	3.870	3.820	3.820	3.730
1975	4.350	4.350	4.340	4.300	4.280	4.010
1976	4.310	4.310	4.290	4.270	4.260	4.130
1977	4.280	4.280	4.280	4.250	4.240	4.200
1978	4.260	4.260	4.260	4.250	4.250	4.120
1979	4.740	4.740	4.720	4.690	4.680	4.410
1980	4.530	4.530	4.520	4.510	4.490	4.300
1981	4.420	4.420	4.410	4.360	4.350	4.250
1982	4.710	4.710	4.690	4.640	4.610	4.420
1983	4.490	4.490	4.480	4.470	4.450	4.340
1984	4.580	4.580	4.550	4.530	4.510	4.430
1985	4.670	4.670	4.650	4.610	4.590	4.470
1986	4.550	4.540	4.530	4.510	4.490	4.450
1987	4.510	4.510	4.510	4.500	4.490	4.410
1988	4.400	4.400	4.380	4.370	4.350	4.310
1989	4.510	4.510	4.510	4.490	4.470	4.400
1990	4.540	4.530	4.530	4.520	4.500	4.340

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.032	4.740	4.740	4.720	4.690	4.680	4.470
.065	4.710	4.710	4.690	4.640	4.610	4.450
.097	4.670	4.670	4.650	4.610	4.590	4.430
.129	4.580	4.580	4.550	4.530	4.510	4.420
.161	4.550	4.540	4.530	4.520	4.500	4.410
.194	4.540	4.530	4.530	4.510	4.490	4.410
.226	4.530	4.530	4.520	4.510	4.490	4.400
.258	4.510	4.510	4.510	4.500	4.490	4.340
.290	4.510	4.510	4.510	4.490	4.470	4.340
.323	4.490	4.490	4.480	4.470	4.450	4.310
.355	4.420	4.420	4.410	4.370	4.350	4.300
.387	4.400	4.400	4.380	4.360	4.350	4.250
.419	4.350	4.350	4.340	4.300	4.280	4.200
.452	4.310	4.310	4.290	4.270	4.260	4.130



.065	.034	.034	.034	.034	.034	.033
.097	.033	.033	.033	.033	.033	.033
.129	.033	.033	.033	.033	.033	.033
.161	.033	.033	.033	.033	.033	.032
.194	.033	.033	.033	.033	.033	.032
.226	.033	.033	.033	.033	.033	.032
.258	.033	.033	.033	.033	.033	.032
.290	.033	.033	.033	.033	.033	.032
.323	.033	.033	.033	.032	.032	.032
.355	.033	.033	.033	.032	.032	.032
.387	.033	.033	.032	.032	.032	.031
.419	.033	.033	.032	.032	.032	.031
.452	.032	.032	.032	.032	.032	.031
.484	.031	.031	.031	.031	.031	.030
.516	.031	.031	.031	.031	.030	.029
.548	.030	.030	.030	.030	.030	.029
.581	.030	.030	.030	.030	.030	.029
.613	.030	.030	.029	.029	.029	.027
.645	.027	.027	.027	.027	.027	.025
.677	.025	.025	.025	.025	.024	.024
.710	.024	.024	.024	.024	.024	.022
.742	.022	.022	.022	.022	.021	.020
.774	.020	.020	.020	.020	.020	.020
.806	.020	.020	.020	.020	.020	.019
.839	.019	.019	.019	.019	.019	.019
.871	.019	.019	.018	.018	.018	.014
.903	.013	.013	.013	.013	.011	.009
.935	.008	.008	.008	.007	.006	.004
.968	.002	.002	.002	.002	.002	.001
1/10	.033	.033	.033	.033	.033	.033

## SEDIMENT OUTPUT

NC Tobacco

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	-----	-----	-----	-----	-----	-----
1961	.116	.116	.112	.100	.096	.041
1962	.386	.386	.385	.367	.322	.198
1963	.641	.641	.641	.624	.561	.436
1964	.921	.921	.901	.895	.894	.714
1965	.966	.965	.961	.953	.950	.925
1966	.987	.987	.984	.979	.976	.943
1967	1.020	1.020	1.010	1.010	1.000	.972
1968	1.070	1.070	1.070	1.070	1.060	1.010
1969	1.230	1.230	1.220	1.220	1.220	1.100
1970	1.220	1.220	1.210	1.210	1.210	1.190
1971	1.330	1.330	1.330	1.330	1.320	1.220
1972	1.470	1.470	1.460	1.440	1.420	1.330
1973	1.490	1.490	1.480	1.480	1.470	1.450
1974	1.480	1.480	1.470	1.470	1.470	1.450
1975	1.540	1.540	1.530	1.520	1.490	1.450
1976	1.550	1.550	1.550	1.540	1.540	1.510
1977	1.600	1.600	1.600	1.590	1.590	1.530
1978	1.610	1.610	1.610	1.600	1.590	1.580
1979	1.640	1.640	1.640	1.630	1.630	1.570
1980	1.630	1.630	1.630	1.630	1.620	1.580
1981	1.630	1.620	1.610	1.600	1.570	1.520
1982	1.630	1.630	1.630	1.620	1.620	1.590
1983	1.630	1.620	1.620	1.580	1.570	1.550
1984	1.650	1.650	1.650	1.640	1.630	1.620
1985	1.620	1.620	1.620	1.610	1.600	1.580
1986	1.710	1.710	1.700	1.690	1.680	1.610
1987	1.700	1.700	1.690	1.680	1.680	1.650

1988	1.650	1.650	1.650	1.650	1.640	1.610
1989	1.660	1.660	1.660	1.650	1.650	1.620
1990	1.650	1.650	1.650	1.640	1.630	1.600

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	1.710	1.710	1.700	1.690	1.680	1.650
.065	1.700	1.700	1.690	1.680	1.680	1.620
.097	1.660	1.660	1.660	1.650	1.650	1.620
.129	1.650	1.650	1.650	1.650	1.640	1.610
.161	1.650	1.650	1.650	1.640	1.630	1.610
.194	1.650	1.650	1.650	1.640	1.630	1.600
.226	1.640	1.640	1.640	1.630	1.630	1.590
.258	1.630	1.630	1.630	1.630	1.620	1.580
.290	1.630	1.630	1.630	1.620	1.620	1.580
.323	1.630	1.620	1.620	1.610	1.600	1.580
.355	1.630	1.620	1.620	1.600	1.590	1.570
.387	1.620	1.620	1.610	1.600	1.590	1.550
.419	1.610	1.610	1.610	1.590	1.570	1.530
.452	1.600	1.600	1.600	1.580	1.570	1.520
.484	1.550	1.550	1.550	1.540	1.540	1.510
.516	1.540	1.540	1.530	1.520	1.490	1.450
.548	1.490	1.490	1.480	1.480	1.470	1.450
.581	1.480	1.480	1.470	1.470	1.470	1.450
.613	1.470	1.470	1.460	1.440	1.420	1.330
.645	1.330	1.330	1.330	1.330	1.320	1.220
.677	1.230	1.230	1.220	1.220	1.220	1.190
.710	1.220	1.220	1.210	1.210	1.210	1.100
.742	1.070	1.070	1.070	1.070	1.060	1.010
.774	1.020	1.020	1.010	1.010	1.000	.972
.806	.987	.987	.984	.979	.976	.943
.839	.966	.965	.961	.953	.950	.925
.871	.921	.921	.901	.895	.894	.714
.903	.641	.641	.641	.624	.561	.436
.935	.386	.386	.385	.367	.322	.198
.968	.116	.116	.112	.100	.096	.041
1/10	1.659	1.659	1.659	1.650	1.649	1.619

CA Lettuce  
PORE WATER OUTPUT

CA Lettuce

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.004	.004	.004	.003	.003	.001
1962	.008	.008	.008	.008	.008	.007
1963	.011	.011	.011	.011	.011	.010
1964	.015	.015	.015	.014	.014	.012
1965	.022	.022	.021	.020	.019	.017
1966	.026	.026	.026	.024	.023	.023
1967	.029	.029	.028	.028	.028	.027
1968	.029	.029	.029	.029	.028	.028
1969	.034	.034	.034	.034	.034	.032
1970	.038	.037	.036	.034	.034	.033
1971	.040	.040	.040	.039	.039	.038
1972	.041	.041	.041	.040	.039	.038
1973	.045	.045	.045	.044	.044	.043
1974	.050	.050	.049	.048	.047	.047
1975	.051	.051	.051	.051	.051	.049

1976	.050	.050	.049	.049	.049	.048
1977	.055	.054	.054	.054	.054	.051
1978	.058	.058	.058	.058	.058	.057
1979	.058	.058	.058	.058	.058	.056
1980	.059	.059	.059	.059	.059	.057
1981	.059	.059	.059	.058	.058	.056
1982	.057	.057	.057	.057	.057	.055
1983	.060	.060	.060	.060	.060	.058
1984	.058	.058	.058	.058	.058	.056
1985	.058	.058	.058	.057	.057	.056
1986	.058	.058	.058	.058	.058	.056
1987	.057	.057	.057	.056	.056	.055
1988	.057	.057	.057	.057	.056	.055
1989	.056	.056	.056	.056	.055	.054
1990	.052	.052	.052	.052	.052	.051

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.060	.060	.060	.060	.060	.058
.065	.059	.059	.059	.059	.059	.057
.097	.059	.059	.059	.058	.058	.057
.129	.058	.058	.058	.058	.058	.056
.161	.058	.058	.058	.058	.058	.056
.194	.058	.058	.058	.058	.058	.056
.226	.058	.058	.058	.058	.058	.056
.258	.058	.058	.058	.057	.057	.056
.290	.057	.057	.057	.057	.057	.055
.323	.057	.057	.057	.057	.056	.055
.355	.057	.057	.057	.056	.056	.055
.387	.056	.056	.056	.056	.055	.054
.419	.055	.054	.054	.054	.054	.051
.452	.052	.052	.052	.052	.052	.051
.484	.051	.051	.051	.051	.051	.049
.516	.050	.050	.049	.049	.049	.048
.548	.050	.050	.049	.048	.047	.047
.581	.045	.045	.045	.044	.044	.043
.613	.041	.041	.041	.040	.039	.038
.645	.040	.040	.040	.039	.039	.038
.677	.038	.037	.036	.034	.034	.033
.710	.034	.034	.034	.034	.034	.032
.742	.029	.029	.029	.029	.028	.028
.774	.029	.029	.028	.028	.028	.027
.806	.026	.026	.026	.024	.023	.023
.839	.022	.022	.021	.020	.019	.017
.871	.015	.015	.015	.014	.014	.012
.903	.011	.011	.011	.011	.011	.010
.935	.008	.008	.008	.008	.008	.007
.968	.004	.004	.004	.003	.003	.001
1/10	.059	.059	.059	.058	.058	.057

SEDIMENT OUTPUT

CA Lettuce

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.222	.222	.222	.159	.128	.063
1962	.403	.403	.402	.399	.396	.360
1963	.552	.552	.552	.544	.540	.502
1964	.726	.726	.725	.711	.671	.608

1965	1.090	1.080	1.050	.970	.920	.834
1966	1.280	1.280	1.280	1.190	1.150	1.120
1967	1.420	1.420	1.410	1.410	1.400	1.360
1968	1.430	1.430	1.420	1.420	1.410	1.380
1969	1.680	1.680	1.680	1.670	1.670	1.600
1970	1.860	1.860	1.800	1.700	1.680	1.650
1971	1.970	1.970	1.960	1.950	1.940	1.880
1972	2.020	2.020	2.010	1.970	1.920	1.890
1973	2.240	2.240	2.210	2.200	2.190	2.140
1974	2.480	2.480	2.450	2.360	2.360	2.310
1975	2.530	2.530	2.530	2.520	2.510	2.440
1976	2.460	2.460	2.450	2.450	2.440	2.400
1977	2.710	2.700	2.700	2.680	2.660	2.550
1978	2.900	2.890	2.890	2.880	2.870	2.820
1979	2.890	2.880	2.880	2.870	2.860	2.790
1980	2.930	2.930	2.920	2.910	2.910	2.830
1981	2.910	2.910	2.910	2.900	2.890	2.800
1982	2.840	2.840	2.840	2.830	2.810	2.740
1983	2.990	2.990	2.980	2.970	2.960	2.880
1984	2.880	2.880	2.870	2.860	2.850	2.790
1985	2.860	2.860	2.860	2.850	2.840	2.780
1986	2.890	2.890	2.890	2.880	2.870	2.780
1987	2.810	2.810	2.810	2.800	2.790	2.710
1988	2.820	2.820	2.820	2.810	2.790	2.710
1989	2.770	2.770	2.770	2.760	2.750	2.680
1990	2.600	2.600	2.600	2.590	2.580	2.510

SORTED FOR PLOTTING

-----

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.032	2.990	2.990	2.980	2.970	2.960	2.880
.065	2.930	2.930	2.920	2.910	2.910	2.830
.097	2.910	2.910	2.910	2.900	2.890	2.820
.129	2.900	2.890	2.890	2.880	2.870	2.800
.161	2.890	2.890	2.890	2.880	2.870	2.790
.194	2.890	2.880	2.880	2.870	2.860	2.790
.226	2.880	2.880	2.870	2.860	2.850	2.780
.258	2.860	2.860	2.860	2.850	2.840	2.780
.290	2.840	2.840	2.840	2.830	2.810	2.740
.323	2.820	2.820	2.820	2.810	2.790	2.710
.355	2.810	2.810	2.810	2.800	2.790	2.710
.387	2.770	2.770	2.770	2.760	2.750	2.680
.419	2.710	2.700	2.700	2.680	2.660	2.550
.452	2.600	2.600	2.600	2.590	2.580	2.510
.484	2.530	2.530	2.530	2.520	2.510	2.440
.516	2.480	2.480	2.450	2.450	2.440	2.400
.548	2.460	2.460	2.450	2.360	2.360	2.310
.581	2.240	2.240	2.210	2.200	2.190	2.140
.613	2.020	2.020	2.010	1.970	1.940	1.890
.645	1.970	1.970	1.960	1.950	1.920	1.880
.677	1.860	1.860	1.800	1.700	1.680	1.650
.710	1.680	1.680	1.680	1.670	1.670	1.600
.742	1.430	1.430	1.420	1.420	1.410	1.380
.774	1.420	1.420	1.410	1.410	1.400	1.360
.806	1.280	1.280	1.280	1.190	1.150	1.120
.839	1.090	1.080	1.050	.970	.920	.834
.871	.726	.726	.725	.711	.671	.608
.903	.552	.552	.552	.544	.540	.502
.935	.403	.403	.402	.399	.396	.360
.968	.222	.222	.222	.159	.128	.063
1/10	2.909	2.908	2.908	2.898	2.888	2.818

**FL Cabbage  
PORE WATER OUTPUT**



FL Cabbage

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.002	.002	.002	.002	.002	.002
1962	.005	.005	.005	.005	.005	.004
1963	.008	.008	.008	.008	.008	.007
1964	.012	.012	.012	.012	.012	.011
1965	.014	.014	.014	.014	.014	.013
1966	.015	.015	.015	.015	.015	.014
1967	.015	.015	.015	.015	.015	.015
1968	.016	.016	.016	.016	.016	.016
1969	.019	.019	.019	.019	.019	.018
1970	.020	.020	.020	.019	.019	.019
1971	.020	.020	.020	.020	.020	.019
1972	.021	.021	.020	.020	.020	.020
1973	.020	.020	.020	.020	.020	.019
1974	.021	.021	.021	.021	.021	.020
1975	.020	.020	.020	.020	.020	.020
1976	.022	.022	.022	.021	.021	.021
1977	.021	.021	.021	.021	.021	.020
1978	.020	.020	.020	.020	.020	.019
1979	.025	.025	.025	.025	.024	.022
1980	.024	.024	.024	.024	.024	.023
1981	.024	.024	.024	.024	.024	.023
1982	.025	.025	.025	.025	.025	.024
1983	.026	.026	.026	.026	.026	.025
1984	.025	.025	.025	.025	.025	.024
1985	.024	.024	.023	.023	.023	.023
1986	.024	.024	.024	.024	.024	.023
1987	.024	.024	.024	.024	.024	.023
1988	.023	.023	.023	.023	.023	.023
1989	.023	.023	.023	.023	.023	.022
1990	.022	.022	.022	.022	.022	.021

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.026	.026	.026	.026	.026	.025
.065	.025	.025	.025	.025	.025	.024
.097	.025	.025	.025	.025	.025	.024
.129	.025	.025	.025	.025	.024	.023
.161	.024	.024	.024	.024	.024	.023
.194	.024	.024	.024	.024	.024	.023
.226	.024	.024	.024	.024	.024	.023
.258	.024	.024	.024	.024	.024	.023
.290	.024	.024	.023	.023	.023	.023
.323	.023	.023	.023	.023	.023	.022
.355	.023	.023	.023	.023	.023	.022
.387	.022	.022	.022	.022	.022	.021
.419	.022	.022	.022	.021	.021	.021
.452	.021	.021	.021	.021	.021	.020
.484	.021	.021	.021	.021	.021	.020
.516	.021	.021	.020	.020	.020	.020
.548	.020	.020	.020	.020	.020	.020
.581	.020	.020	.020	.020	.020	.019
.613	.020	.020	.020	.020	.020	.019
.645	.020	.020	.020	.020	.020	.019
.677	.020	.020	.020	.019	.019	.019
.710	.019	.019	.019	.019	.019	.018
.742	.016	.016	.016	.016	.016	.016
.774	.015	.015	.015	.015	.015	.015
.806	.015	.015	.015	.015	.015	.014
.839	.014	.014	.014	.014	.014	.013

.871	.012	.012	.012	.012	.012	.011
.903	.008	.008	.008	.008	.008	.007
.935	.005	.005	.005	.005	.005	.004
.968	.002	.002	.002	.002	.002	.002
1/10	.025	.025	.025	.025	.025	.024

**SEDIMENT OUTPUT**

FL Cabbage

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.104	.103	.103	.103	.102	.085
1962	.258	.258	.257	.254	.253	.208
1963	.382	.382	.381	.377	.373	.353
1964	.609	.608	.606	.602	.599	.540
1965	.686	.685	.684	.679	.677	.653
1966	.752	.752	.748	.743	.739	.716
1967	.762	.762	.761	.756	.752	.740
1968	.813	.813	.809	.803	.803	.783
1969	.934	.933	.929	.920	.921	.886
1970	.973	.973	.970	.966	.964	.931
1971	.995	.994	.989	.983	.977	.956
1972	1.020	1.020	1.020	1.010	1.010	.983
1973	1.010	1.010	1.010	1.000	.999	.966
1974	1.040	1.040	1.040	1.030	1.020	.971
1975	1.010	1.010	1.010	1.000	.999	.982
1976	1.080	1.080	1.070	1.070	1.060	1.020
1977	1.060	1.060	1.060	1.050	1.050	.985
1978	1.010	1.000	1.000	.999	.994	.954
1979	1.240	1.240	1.230	1.220	1.210	1.110
1980	1.190	1.190	1.190	1.180	1.180	1.150
1981	1.190	1.190	1.180	1.180	1.170	1.140
1982	1.240	1.230	1.230	1.220	1.220	1.180
1983	1.290	1.290	1.290	1.280	1.270	1.240
1984	1.260	1.250	1.250	1.250	1.240	1.190
1985	1.170	1.170	1.170	1.160	1.150	1.140
1986	1.190	1.190	1.190	1.180	1.170	1.120
1987	1.200	1.200	1.190	1.190	1.180	1.130
1988	1.160	1.160	1.150	1.150	1.140	1.130
1989	1.160	1.160	1.160	1.150	1.150	1.100
1990	1.110	1.110	1.110	1.100	1.100	1.050

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	1.290	1.290	1.290	1.280	1.270	1.240
.065	1.260	1.250	1.250	1.250	1.240	1.190
.097	1.240	1.240	1.230	1.220	1.220	1.180
.129	1.240	1.230	1.230	1.220	1.210	1.150
.161	1.200	1.200	1.190	1.190	1.180	1.140
.194	1.190	1.190	1.190	1.180	1.180	1.140
.226	1.190	1.190	1.190	1.180	1.170	1.130
.258	1.190	1.190	1.180	1.180	1.170	1.130
.290	1.170	1.170	1.170	1.160	1.150	1.120
.323	1.160	1.160	1.160	1.150	1.150	1.110
.355	1.160	1.160	1.150	1.150	1.140	1.100
.387	1.110	1.110	1.110	1.100	1.100	1.050
.419	1.080	1.080	1.070	1.070	1.060	1.020
.452	1.060	1.060	1.060	1.050	1.050	.985
.484	1.040	1.040	1.040	1.030	1.020	.983

.516	1.020	1.020	1.020	1.010	1.010	.982
.548	1.010	1.010	1.010	1.000	.999	.971
.581	1.010	1.010	1.010	1.000	.999	.966
.613	1.010	1.000	1.000	.999	.994	.956
.645	.995	.994	.989	.983	.977	.954
.677	.973	.973	.970	.966	.964	.931
.710	.934	.933	.929	.920	.921	.886
.742	.813	.813	.809	.803	.803	.783
.774	.762	.762	.761	.756	.752	.740
.806	.752	.752	.748	.743	.739	.716
.839	.686	.685	.684	.679	.677	.653
.871	.609	.608	.606	.602	.599	.540
.903	.382	.382	.381	.377	.373	.353
.935	.258	.258	.257	.254	.253	.208
.968	.104	.103	.103	.103	.102	.085
1/10	1.240	1.239	1.230	1.220	1.219	1.177

**FL Pepper  
PORE WATER OUTPUT**

FL peppers

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.002	.002	.002	.002	.001	.000
1962	.004	.004	.004	.004	.004	.003
1963	.008	.008	.008	.008	.007	.005
1964	.014	.014	.014	.013	.013	.010
1965	.017	.017	.017	.017	.016	.014
1966	.020	.020	.020	.020	.019	.018
1967	.020	.020	.020	.020	.019	.019
1968	.023	.023	.023	.023	.022	.021
1969	.024	.024	.024	.024	.024	.023
1970	.026	.025	.025	.025	.025	.025
1971	.025	.025	.025	.024	.024	.023
1972	.027	.027	.027	.026	.026	.025
1973	.026	.026	.026	.026	.026	.025
1974	.025	.025	.025	.025	.025	.024
1975	.023	.023	.023	.023	.023	.022
1976	.024	.024	.023	.023	.023	.022
1977	.025	.025	.025	.025	.025	.024
1978	.026	.026	.026	.026	.025	.025
1979	.027	.026	.026	.026	.026	.026
1980	.027	.026	.026	.026	.026	.026
1981	.025	.025	.025	.025	.025	.024
1982	.029	.029	.029	.028	.028	.026
1983	.029	.029	.029	.029	.029	.028
1984	.031	.031	.031	.030	.029	.029
1985	.030	.030	.030	.030	.030	.029
1986	.028	.028	.028	.028	.028	.027
1987	.028	.028	.028	.027	.027	.027
1988	.028	.028	.028	.028	.028	.027
1989	.027	.027	.027	.026	.026	.025
1990	.024	.024	.024	.024	.023	.023

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.031	.031	.031	.030	.030	.029
.065	.030	.030	.030	.030	.029	.029
.097	.029	.029	.029	.029	.029	.028

.129	.029	.029	.029	.028	.028	.027
.161	.028	.028	.028	.028	.028	.027
.194	.028	.028	.028	.028	.028	.027
.226	.028	.028	.028	.027	.027	.026
.258	.027	.027	.027	.026	.026	.026
.290	.027	.027	.027	.026	.026	.026
.323	.027	.026	.026	.026	.026	.025
.355	.027	.026	.026	.026	.026	.025
.387	.026	.026	.026	.026	.026	.025
.419	.026	.026	.026	.026	.025	.025
.452	.026	.025	.025	.025	.025	.025
.484	.025	.025	.025	.025	.025	.024
.516	.025	.025	.025	.025	.025	.024
.548	.025	.025	.025	.025	.025	.024
.581	.025	.025	.025	.024	.024	.023
.613	.024	.024	.024	.024	.024	.023
.645	.024	.024	.024	.024	.023	.023
.677	.024	.024	.023	.023	.023	.022
.710	.023	.023	.023	.023	.023	.022
.742	.023	.023	.023	.023	.022	.021
.774	.020	.020	.020	.020	.019	.019
.806	.020	.020	.020	.020	.019	.018
.839	.017	.017	.017	.017	.016	.014
.871	.014	.014	.014	.013	.013	.010
.903	.008	.008	.008	.008	.007	.005
.935	.004	.004	.004	.004	.004	.003
.968	.002	.002	.002	.002	.001	.000
1/10	.029	.029	.029	.029	.029	.028

## SEDIMENT OUTPUT

FL peppers

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1961	.079	.079	.078	.077	.063	.016
1962	.220	.220	.219	.217	.206	.134
1963	.391	.381	.375	.373	.359	.267
1964	.679	.679	.677	.663	.635	.506
1965	.846	.845	.844	.838	.799	.693
1966	.979	.979	.976	.969	.959	.908
1967	.987	.986	.983	.976	.967	.945
1968	1.130	1.130	1.130	1.120	1.110	1.030
1969	1.200	1.200	1.190	1.190	1.170	1.130
1970	1.270	1.270	1.260	1.250	1.250	1.220
1971	1.230	1.230	1.220	1.210	1.180	1.150
1972	1.320	1.320	1.320	1.300	1.280	1.230
1973	1.290	1.290	1.280	1.280	1.270	1.220
1974	1.240	1.240	1.240	1.230	1.220	1.170
1975	1.160	1.160	1.160	1.140	1.140	1.100
1976	1.170	1.170	1.160	1.160	1.150	1.110
1977	1.260	1.260	1.250	1.230	1.220	1.180
1978	1.310	1.310	1.310	1.290	1.260	1.230
1979	1.320	1.320	1.310	1.300	1.300	1.280
1980	1.320	1.320	1.310	1.300	1.300	1.280
1981	1.250	1.250	1.250	1.240	1.240	1.210
1982	1.430	1.430	1.420	1.410	1.370	1.310
1983	1.460	1.460	1.450	1.450	1.450	1.410
1984	1.530	1.530	1.530	1.480	1.450	1.420
1985	1.500	1.500	1.500	1.490	1.480	1.420
1986	1.400	1.400	1.390	1.380	1.380	1.330
1987	1.380	1.380	1.370	1.360	1.360	1.340
1988	1.390	1.390	1.380	1.380	1.370	1.340
1989	1.330	1.330	1.330	1.310	1.300	1.240

1990 1.190 1.190 1.180 1.170 1.160 1.150

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	1.530	1.530	1.530	1.490	1.480	1.420
.065	1.500	1.500	1.500	1.480	1.450	1.420
.097	1.460	1.460	1.450	1.450	1.450	1.410
.129	1.430	1.430	1.420	1.410	1.380	1.340
.161	1.400	1.400	1.390	1.380	1.370	1.340
.194	1.390	1.390	1.380	1.380	1.370	1.330
.226	1.380	1.380	1.370	1.360	1.360	1.310
.258	1.330	1.330	1.330	1.310	1.300	1.280
.290	1.320	1.320	1.320	1.300	1.300	1.280
.323	1.320	1.320	1.310	1.300	1.300	1.240
.355	1.320	1.320	1.310	1.300	1.280	1.230
.387	1.310	1.310	1.310	1.290	1.270	1.230
.419	1.290	1.290	1.280	1.280	1.260	1.220
.452	1.270	1.270	1.260	1.250	1.250	1.220
.484	1.260	1.260	1.250	1.240	1.240	1.210
.516	1.250	1.250	1.250	1.230	1.220	1.180
.548	1.240	1.240	1.240	1.230	1.220	1.170
.581	1.230	1.230	1.220	1.210	1.180	1.150
.613	1.200	1.200	1.190	1.190	1.170	1.150
.645	1.190	1.190	1.180	1.170	1.160	1.130
.677	1.170	1.170	1.160	1.160	1.150	1.110
.710	1.160	1.160	1.160	1.140	1.140	1.100
.742	1.130	1.130	1.130	1.120	1.110	1.030
.774	.987	.986	.983	.976	.967	.945
.806	.979	.979	.976	.969	.959	.908
.839	.846	.845	.844	.838	.799	.693
.871	.679	.679	.677	.663	.635	.506
.903	.391	.381	.375	.373	.359	.267
.935	.220	.220	.219	.217	.206	.134
.968	.079	.079	.078	.077	.063	.016
1/10	1.457	1.457	1.447	1.446	1.443	1.403

**FL Turf  
PORE WATER OUTPUT**

FL Turf

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.001	.001	.001	.001	.001	.001
1962	.003	.003	.002	.002	.002	.002
1963	.003	.003	.003	.003	.003	.003
1964	.011	.011	.011	.011	.010	.006
1965	.010	.010	.010	.010	.010	.010
1966	.012	.012	.012	.012	.012	.010
1967	.011	.011	.011	.011	.011	.011
1968	.012	.012	.012	.012	.012	.011
1969	.014	.014	.014	.014	.014	.012
1970	.014	.014	.014	.014	.014	.013
1971	.012	.012	.012	.012	.012	.012
1972	.013	.013	.013	.013	.013	.012
1973	.013	.013	.013	.013	.013	.012
1974	.013	.013	.013	.013	.013	.011
1975	.012	.012	.012	.012	.012	.012
1976	.012	.012	.012	.012	.012	.011
1977	.011	.011	.011	.011	.011	.011

1978	.010	.010	.010	.010	.010	.010
1979	.010	.010	.010	.010	.010	.010
1980	.010	.010	.010	.010	.010	.010
1981	.009	.009	.009	.009	.009	.009
1982	.009	.009	.009	.009	.009	.009
1983	.009	.009	.009	.009	.009	.009
1984	.010	.010	.010	.010	.010	.009
1985	.010	.010	.010	.010	.010	.010
1986	.010	.010	.010	.010	.010	.009
1987	.009	.009	.009	.009	.009	.009
1988	.008	.008	.008	.008	.008	.008
1989	.013	.013	.013	.013	.012	.009
1990	.012	.012	.012	.012	.012	.012

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.014	.014	.014	.014	.014	.013
.065	.014	.014	.014	.014	.014	.012
.097	.013	.013	.013	.013	.013	.012
.129	.013	.013	.013	.013	.013	.012
.161	.013	.013	.013	.013	.013	.012
.194	.013	.013	.013	.013	.012	.012
.226	.012	.012	.012	.012	.012	.012
.258	.012	.012	.012	.012	.012	.011
.290	.012	.012	.012	.012	.012	.011
.323	.012	.012	.012	.012	.012	.011
.355	.012	.012	.012	.012	.012	.011
.387	.012	.012	.012	.012	.012	.011
.419	.011	.011	.011	.011	.011	.010
.452	.011	.011	.011	.011	.011	.010
.484	.011	.011	.011	.011	.010	.010
.516	.010	.010	.010	.010	.010	.010
.548	.010	.010	.010	.010	.010	.010
.581	.010	.010	.010	.010	.010	.010
.613	.010	.010	.010	.010	.010	.009
.645	.010	.010	.010	.010	.010	.009
.677	.010	.010	.010	.010	.010	.009
.710	.010	.010	.010	.010	.010	.009
.742	.009	.009	.009	.009	.009	.009
.774	.009	.009	.009	.009	.009	.009
.806	.009	.009	.009	.009	.009	.009
.839	.009	.009	.009	.009	.009	.008
.871	.008	.008	.008	.008	.008	.006
.903	.003	.003	.003	.003	.003	.003
.935	.003	.003	.002	.002	.002	.002
.968	.001	.001	.001	.001	.001	.001
1/10	.013	.013	.013	.013	.013	.012

SEDIMENT OUTPUT

FL Turf

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.056	.056	.056	.055	.055	.028
1962	.125	.124	.124	.123	.122	.083
1963	.171	.171	.170	.168	.167	.144
1964	.530	.530	.527	.522	.518	.286
1965	.503	.503	.501	.498	.496	.484
1966	.604	.603	.601	.600	.596	.517

1967	.563	.562	.561	.557	.554	.545
1968	.615	.615	.612	.608	.604	.550
1969	.698	.698	.696	.692	.689	.617
1970	.679	.679	.677	.674	.670	.638
1971	.603	.603	.600	.596	.592	.578
1972	.667	.667	.664	.656	.651	.597
1973	.633	.632	.631	.627	.623	.602
1974	.642	.642	.639	.633	.629	.571
1975	.616	.615	.613	.608	.605	.583
1976	.586	.586	.584	.582	.578	.558
1977	.561	.561	.560	.558	.555	.542
1978	.519	.518	.517	.515	.512	.506
1979	.515	.515	.513	.510	.509	.497
1980	.500	.500	.499	.496	.493	.478
1981	.462	.462	.460	.455	.452	.442
1982	.460	.460	.459	.456	.453	.436
1983	.459	.459	.457	.454	.449	.426
1984	.514	.514	.512	.507	.503	.467
1985	.492	.492	.491	.488	.485	.478
1986	.496	.496	.494	.487	.483	.467
1987	.455	.455	.454	.452	.450	.438
1988	.411	.410	.409	.407	.405	.398
1989	.629	.629	.627	.621	.599	.440
1990	.611	.610	.608	.603	.600	.575

SORTED FOR PLOTTING

-----

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.032	.698	.698	.696	.692	.689	.638
.065	.679	.679	.677	.674	.670	.617
.097	.667	.667	.664	.656	.651	.602
.129	.642	.642	.639	.633	.629	.597
.161	.633	.632	.631	.627	.623	.583
.194	.629	.629	.627	.621	.605	.578
.226	.616	.615	.613	.608	.604	.575
.258	.615	.615	.612	.608	.600	.571
.290	.611	.610	.608	.603	.599	.558
.323	.604	.603	.601	.600	.596	.550
.355	.603	.603	.600	.596	.592	.545
.387	.586	.586	.584	.582	.578	.542
.419	.563	.562	.561	.558	.555	.517
.452	.561	.561	.560	.557	.554	.506
.484	.530	.530	.527	.522	.518	.497
.516	.519	.518	.517	.515	.512	.484
.548	.515	.515	.513	.510	.509	.478
.581	.514	.514	.512	.507	.503	.478
.613	.503	.503	.501	.498	.496	.467
.645	.500	.500	.499	.496	.493	.467
.677	.496	.496	.494	.488	.485	.442
.710	.492	.492	.491	.487	.483	.440
.742	.462	.462	.460	.456	.453	.438
.774	.460	.460	.459	.455	.452	.436
.806	.459	.459	.457	.454	.450	.426
.839	.455	.455	.454	.452	.449	.398
.871	.411	.410	.409	.407	.405	.286
.903	.171	.171	.170	.168	.167	.144
.935	.125	.124	.124	.123	.122	.083
.968	.056	.056	.056	.055	.055	.028
1/10	.664	.664	.661	.654	.649	.601

**NY Grapes  
PORE WATER OUTPUT**

NY grapes

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.007	.007	.007	.007	.006	.002
1962	.037	.037	.037	.036	.035	.019
1963	.049	.049	.049	.047	.044	.039
1964	.066	.066	.066	.063	.062	.057
1965	.087	.087	.086	.086	.083	.073
1966	.104	.104	.104	.099	.097	.091
1967	.117	.117	.117	.116	.115	.107
1968	.123	.123	.117	.116	.116	.114
1969	.130	.130	.130	.129	.128	.125
1970	.148	.148	.147	.147	.147	.134
1971	.149	.148	.147	.147	.146	.145
1972	.161	.161	.161	.160	.159	.155
1973	.164	.164	.164	.163	.162	.161
1974	.173	.173	.173	.171	.170	.167
1975	.185	.185	.184	.184	.183	.178
1976	.192	.192	.192	.191	.191	.186
1977	.211	.211	.210	.208	.207	.193
1978	.211	.211	.211	.210	.210	.207
1979	.228	.228	.227	.226	.226	.213
1980	.233	.233	.232	.232	.231	.226
1981	.233	.233	.233	.232	.232	.229
1982	.233	.233	.233	.231	.231	.228
1983	.239	.239	.239	.238	.237	.229
1984	.238	.238	.237	.237	.236	.233
1985	.248	.248	.248	.247	.241	.234
1986	.252	.252	.252	.251	.250	.243
1987	.252	.252	.252	.251	.250	.246
1988	.257	.257	.256	.255	.252	.245
1989	.254	.254	.253	.253	.252	.248
1990	.257	.255	.254	.254	.253	.249

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.257	.257	.256	.255	.253	.249
.065	.257	.255	.254	.254	.252	.248
.097	.254	.254	.253	.253	.252	.246
.129	.252	.252	.252	.251	.250	.245
.161	.252	.252	.252	.251	.250	.243
.194	.248	.248	.248	.247	.241	.234
.226	.239	.239	.239	.238	.237	.233
.258	.238	.238	.237	.237	.236	.229
.290	.233	.233	.233	.232	.232	.229
.323	.233	.233	.233	.232	.231	.228
.355	.233	.233	.232	.231	.231	.226
.387	.228	.228	.227	.226	.226	.213
.419	.211	.211	.211	.210	.210	.207
.452	.211	.211	.210	.208	.207	.193
.484	.192	.192	.192	.191	.191	.186
.516	.185	.185	.184	.184	.183	.178
.548	.173	.173	.173	.171	.170	.167
.581	.164	.164	.164	.163	.162	.161
.613	.161	.161	.161	.160	.159	.155
.645	.149	.148	.147	.147	.147	.145
.677	.148	.148	.147	.147	.146	.134
.710	.130	.130	.130	.129	.128	.125
.742	.123	.123	.117	.116	.116	.114
.774	.117	.117	.117	.116	.115	.107
.806	.104	.104	.104	.099	.097	.091
.839	.087	.087	.086	.086	.083	.073
.871	.066	.066	.066	.063	.062	.057
.903	.049	.049	.049	.047	.044	.039



.935	.037	.037	.037	.036	.035	.019
.968	.007	.007	.007	.007	.006	.002
1/10	.254	.253	.253	.253	.252	.246

**SEDIMENT OUTPUT**

NY grapes

BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1961	.370	.370	.370	.356	.294	.078
1962	1.830	1.830	1.830	1.780	1.750	.943
1963	2.430	2.430	2.420	2.330	2.190	1.960
1964	3.280	3.280	3.270	3.140	3.100	2.820
1965	4.320	4.320	4.290	4.270	4.140	3.640
1966	5.150	5.150	5.140	4.920	4.790	4.530
1967	5.810	5.810	5.800	5.780	5.730	5.300
1968	6.120	6.080	5.800	5.790	5.780	5.680
1969	6.440	6.440	6.430	6.390	6.360	6.220
1970	7.330	7.330	7.320	7.300	7.280	6.660
1971	7.410	7.350	7.310	7.280	7.270	7.180
1972	8.000	8.000	7.990	7.940	7.900	7.690
1973	8.170	8.160	8.150	8.090	8.060	8.000
1974	8.590	8.590	8.590	8.490	8.430	8.270
1975	9.180	9.180	9.160	9.110	9.100	8.850
1976	9.530	9.530	9.520	9.490	9.480	9.250
1977	10.500	10.500	10.400	10.300	10.300	9.600
1978	10.500	10.500	10.500	10.400	10.400	10.300
1979	11.300	11.300	11.300	11.200	11.200	10.600
1980	11.500	11.500	11.500	11.500	11.500	11.200
1981	11.600	11.600	11.500	11.500	11.500	11.300
1982	11.600	11.600	11.600	11.500	11.500	11.300
1983	11.900	11.800	11.800	11.800	11.800	11.400
1984	11.800	11.800	11.800	11.800	11.700	11.500
1985	12.300	12.300	12.300	12.200	11.900	11.600
1986	12.500	12.500	12.500	12.400	12.400	12.100
1987	12.500	12.500	12.500	12.500	12.400	12.200
1988	12.700	12.700	12.700	12.700	12.500	12.200
1989	12.600	12.600	12.600	12.600	12.500	12.300
1990	12.700	12.700	12.600	12.600	12.600	12.300

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.032	12.700	12.700	12.700	12.700	12.600	12.300
.065	12.700	12.700	12.600	12.600	12.500	12.300
.097	12.600	12.600	12.600	12.600	12.500	12.200
.129	12.500	12.500	12.500	12.500	12.400	12.200
.161	12.500	12.500	12.500	12.400	12.400	12.100
.194	12.300	12.300	12.300	12.200	11.900	11.600
.226	11.900	11.800	11.800	11.800	11.800	11.500
.258	11.800	11.800	11.800	11.800	11.700	11.400
.290	11.600	11.600	11.600	11.500	11.500	11.300
.323	11.600	11.600	11.500	11.500	11.500	11.300
.355	11.500	11.500	11.500	11.500	11.500	11.200
.387	11.300	11.300	11.300	11.200	11.200	10.600
.419	10.500	10.500	10.500	10.400	10.400	10.300
.452	10.500	10.500	10.400	10.300	10.300	9.600
.484	9.530	9.530	9.520	9.490	9.480	9.250
.516	9.180	9.180	9.160	9.110	9.100	8.850
.548	8.590	8.590	8.590	8.490	8.430	8.270

.581	8.170	8.160	8.150	8.090	8.060	8.000
.613	8.000	8.000	7.990	7.940	7.900	7.690
.645	7.410	7.350	7.320	7.300	7.280	7.180
.677	7.330	7.330	7.310	7.280	7.270	6.660
.710	6.440	6.440	6.430	6.390	6.360	6.220
.742	6.120	6.080	5.800	5.790	5.780	5.680
.774	5.810	5.810	5.800	5.780	5.730	5.300
.806	5.150	5.150	5.140	4.920	4.790	4.530
.839	4.320	4.320	4.290	4.270	4.140	3.640
.871	3.280	3.280	3.270	3.140	3.100	2.820
.903	2.430	2.430	2.420	2.330	2.190	1.960
.935	1.830	1.830	1.830	1.780	1.750	.943
.968	.370	.370	.370	.356	.294	.078
1/10	12.590	12.590	12.590	12.590	12.490	12.200

## NC Apples

### PORE WATER OUTPUT

NC Apple

#### PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1965	.007	.007	.007	.007	.007	.003
1966	.026	.026	.026	.026	.026	.015
1967	.050	.050	.050	.049	.049	.035
1968	.059	.059	.059	.058	.058	.053
1969	.071	.071	.071	.070	.070	.063
1970	.070	.070	.070	.070	.069	.069
1971	.074	.074	.074	.074	.074	.071
1972	.083	.083	.083	.083	.083	.078
1973	.099	.099	.098	.098	.097	.090
1974	.099	.099	.099	.098	.098	.096
1975	.102	.102	.102	.102	.102	.098
1976	.108	.108	.108	.107	.107	.104
1977	.115	.115	.115	.115	.114	.108
1978	.116	.116	.115	.115	.115	.113
1979	.115	.114	.114	.114	.114	.113
1980	.113	.113	.113	.112	.112	.111
1981	.111	.111	.111	.111	.110	.108
1982	.115	.115	.115	.114	.113	.109
1983	.111	.111	.111	.111	.111	.109
1984	.117	.117	.117	.116	.116	.112
1985	.119	.119	.119	.118	.117	.114
1986	.118	.118	.117	.117	.117	.114
1987	.125	.125	.124	.124	.123	.119
1988	.122	.122	.122	.121	.121	.118
1989	.127	.127	.127	.126	.126	.119
1990	.136	.136	.136	.135	.135	.128

#### SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.037	.136	.136	.136	.135	.135	.128
.074	.127	.127	.127	.126	.126	.119
.111	.125	.125	.124	.124	.123	.119
.148	.122	.122	.122	.121	.121	.118
.185	.119	.119	.119	.118	.117	.114
.222	.118	.118	.117	.117	.117	.114
.259	.117	.117	.117	.116	.116	.113
.296	.116	.116	.115	.115	.115	.113

.333	.115	.115	.115	.115	.114	.112
.370	.115	.115	.115	.114	.114	.111
.407	.115	.114	.114	.114	.113	.109
.444	.113	.113	.113	.112	.112	.109
.481	.111	.111	.111	.111	.111	.108
.519	.111	.111	.111	.111	.110	.108
.556	.108	.108	.108	.107	.107	.104
.593	.102	.102	.102	.102	.102	.098
.630	.099	.099	.099	.098	.098	.096
.667	.099	.099	.098	.098	.097	.090
.704	.083	.083	.083	.083	.083	.078
.741	.074	.074	.074	.074	.074	.071
.778	.071	.071	.071	.070	.070	.069
.815	.070	.070	.070	.070	.069	.063
.852	.059	.059	.059	.058	.058	.053
.889	.050	.050	.050	.049	.049	.035
.926	.026	.026	.026	.026	.026	.015
.963	.007	.007	.007	.007	.007	.003
1/10	.125	.125	.125	.124	.124	.119

## SEDIMENT OUTPUT

NC Apple

### BENTHIC SEDIMENT CONCENTRATION (mg/kg)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
1965	.359	.359	.358	.357	.356	.144
1966	1.290	1.290	1.290	1.280	1.270	.764
1967	2.470	2.470	2.470	2.460	2.450	1.760
1968	2.920	2.920	2.910	2.900	2.890	2.640
1969	3.520	3.520	3.510	3.500	3.490	3.130
1970	3.490	3.490	3.490	3.480	3.450	3.420
1971	3.680	3.680	3.670	3.670	3.650	3.530
1972	4.120	4.120	4.120	4.110	4.100	3.870
1973	4.910	4.900	4.880	4.850	4.820	4.440
1974	4.920	4.920	4.900	4.870	4.860	4.760
1975	5.090	5.090	5.080	5.070	5.060	4.860
1976	5.360	5.350	5.340	5.320	5.320	5.170
1977	5.710	5.710	5.700	5.680	5.660	5.370
1978	5.750	5.750	5.730	5.720	5.700	5.630
1979	5.680	5.680	5.670	5.670	5.650	5.620
1980	5.630	5.630	5.610	5.590	5.580	5.530
1981	5.540	5.540	5.520	5.500	5.480	5.370
1982	5.700	5.700	5.690	5.650	5.620	5.400
1983	5.520	5.520	5.510	5.510	5.510	5.440
1984	5.820	5.820	5.810	5.780	5.750	5.580
1985	5.910	5.910	5.900	5.860	5.830	5.640
1986	5.840	5.840	5.820	5.790	5.790	5.660
1987	6.190	6.190	6.170	6.140	6.120	5.900
1988	6.050	6.050	6.040	6.030	6.010	5.850
1989	6.300	6.300	6.290	6.270	6.260	5.910
1990	6.750	6.750	6.740	6.720	6.700	6.380

### SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
----	----	-----	-----	-----	-----	-----
.037	6.750	6.750	6.740	6.720	6.700	6.380
.074	6.300	6.300	6.290	6.270	6.260	5.910
.111	6.190	6.190	6.170	6.140	6.120	5.900
.148	6.050	6.050	6.040	6.030	6.010	5.850
.185	5.910	5.910	5.900	5.860	5.830	5.660

.222	5.840	5.840	5.820	5.790	5.790	5.640
.259	5.820	5.820	5.810	5.780	5.750	5.630
.296	5.750	5.750	5.730	5.720	5.700	5.620
.333	5.710	5.710	5.700	5.680	5.660	5.580
.370	5.700	5.700	5.690	5.670	5.650	5.530
.407	5.680	5.680	5.670	5.650	5.620	5.440
.444	5.630	5.630	5.610	5.590	5.580	5.400
.481	5.540	5.540	5.520	5.510	5.510	5.370
.519	5.520	5.520	5.510	5.500	5.480	5.370
.556	5.360	5.350	5.340	5.320	5.320	5.170
.593	5.090	5.090	5.080	5.070	5.060	4.860
.630	4.920	4.920	4.900	4.870	4.860	4.760
.667	4.910	4.900	4.880	4.850	4.820	4.440
.704	4.120	4.120	4.120	4.110	4.100	3.870
.741	3.680	3.680	3.670	3.670	3.650	3.530
.778	3.520	3.520	3.510	3.500	3.490	3.420
.815	3.490	3.490	3.490	3.480	3.450	3.130
.852	2.920	2.920	2.910	2.900	2.890	2.640
.889	2.470	2.470	2.470	2.460	2.450	1.760
.926	1.290	1.290	1.290	1.280	1.270	.764
.963	.359	.359	.358	.357	.356	.144
1/10	6.223	6.223	6.206	6.179	6.162	5.903