APPENDIX C –PERSISTENCE SECTION

PART 2: PRZM/EXAMS INPUT AND OUTPUT SUMMARY FOR EXAMPLE PESTICIDES

PRZM/EXAMS INPUT FILES FROM EXPRESS (PESTICIDE 1)

RS 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(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 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
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
  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  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
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 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
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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+031.24E-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(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 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
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
  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  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
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 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
!
!
!
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
```

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 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
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
  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  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: 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              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 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
```

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(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 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
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
  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  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)
***DMMYYWinCmDepi 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
```

```
150861  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010662  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100762  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150862  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010663  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100763  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150863  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010664  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100764  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150864  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010665  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100765  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150865  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010666  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100766  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150866  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010667  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100767  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150867  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010668  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100768  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150868  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010669  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100769  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150869  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010670  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100770  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150870  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010671  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100771  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150871  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010672  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100772  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150872  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010673  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100773  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150873  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010674  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100774  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150874  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010675  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100775  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150875  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010676  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100776  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150876  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010677  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100777  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150877  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010678  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100778  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150878  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010679  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100779  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150879  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010680  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100780  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150880  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010681  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100781  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150881  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010682  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100782  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150882  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010683  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100783  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150883  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010684  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
100784  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
150884  0 2 4.002.1789.9500.0500 2 4.000.0000.9500.0500
010685  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+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+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,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
       6.90E-020.00E+006.90E-020.00E+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 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
!
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 qtbtw(*,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 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
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
  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  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)
***DMMYYWinCmDepi 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
```

```
100763  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150863  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010664  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100764  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150864  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010665  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100765  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150865  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010666  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100766  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150866  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010667  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100767  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150867  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010668  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100768  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150868  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010669  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100769  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150869  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010670  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100770  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150870  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010671  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100771  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150871  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010672  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100772  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150872  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010673  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100773  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150873  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010674  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100774  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150874  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010675  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100775  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150875  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010676  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100776  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150876  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010677  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100777  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150877  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010678  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100778  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150878  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010679  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100779  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150879  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010680  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100780  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150880  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010681  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100781  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150881  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010682  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100782  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150882  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010683  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100783  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150883  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010684  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100784  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150884  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010685  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100785  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150885  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
010686  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
100786  0 2 4.001.1836.9500.0500 2 4.000.0000.9500.0500
150886  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      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 qtbtw(*,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 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)= 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-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
```

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 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
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
  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  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
ChemicalTTR
***_____________
*** 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 4.003.3626.9500.0500
  100761  0 2 4.003.3626.9500.0500
  150861  0 2 4.003.3626.9500.0500
  010662  0 2 4.003.3626.9500.0500
  100762  0 2 4.003.3626.9500.0500
  150862  0 2 4.003.3626.9500.0500
  010663  0 2 4.003.3626.9500.0500
  100763  0 2 4.003.3626.9500.0500
  150863  0 2 4.003.3626.9500.0500
  010664  0 2 4.003.3626.9500.0500
  100764  0 2 4.003.3626.9500.0500
  150864  0 2 4.003.3626.9500.0500
  010665  0 2 4.003.3626.9500.0500
  100765  0 2 4.003.3626.9500.0500
  150865  0 2 4.003.3626.9500.0500
  010666  0 2 4.003.3626.9500.0500
  100766  0 2 4.003.3626.9500.0500
  150866  0 2 4.003.3626.9500.0500
  010667  0 2 4.003.3626.9500.0500
  100767  0 2 4.003.3626.9500.0500
  150867  0 2 4.003.3626.9500.0500
  010668  0 2 4.003.3626.9500.0500
  100768  0 2 4.003.3626.9500.0500
  150868  0 2 4.003.3626.9500.0500
  010669  0 2 4.003.3626.9500.0500
  100769  0 2 4.003.3626.9500.0500
  150869  0 2 4.003.3626.9500.0500
  010670  0 2 4.003.3626.9500.0500
```

```
  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: 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	5.264	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^3/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: 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^3/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/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)
```

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
```

```
  010583  070983  220983       1
  010584  070984  220984       1
  010585  070985  220985       1
  010586  070986  220986       1
  010587  070987  220987       1
  010588  070988  220988       1
  010589  070989  220989       1
  010590  070990  220990       1
*** Record 12 -- PTITLE
Pest 4    - 8 applications @ 0.168    0.168   0.168   0.168   0.168   0.168   0.168   0.168
kg/ha
*** Record 13
     240       1       0       0
*** Record 15 -- PSTNAM
Pest 4
*** Record 16
  010661  0 2  0.0 0.168  .95 .036
  080661  0 2  0.0 0.168  .95 .036
  150661  0 2  0.0 0.168  .95 .036
  220661  0 2  0.0 0.168  .95 .036
  290661  0 2  0.0 0.168  .95 .036
  060761  0 2  0.0 0.168  .95 .036
  130761  0 2  0.0 0.168  .95 .036
  200761  0 2  0.0 0.168  .95 .036
  010662  0 2  0.0 0.168  .95 .036
  080662  0 2  0.0 0.168  .95 .036
  150662  0 2  0.0 0.168  .95 .036
  220662  0 2  0.0 0.168  .95 .036
  290662  0 2  0.0 0.168  .95 .036
  060762  0 2  0.0 0.168  .95 .036
  130762  0 2  0.0 0.168  .95 .036
  200762  0 2  0.0 0.168  .95 .036
  010663  0 2  0.0 0.168  .95 .036
  080663  0 2  0.0 0.168  .95 .036
  150663  0 2  0.0 0.168  .95 .036
  220663  0 2  0.0 0.168  .95 .036
  290663  0 2  0.0 0.168  .95 .036
  060763  0 2  0.0 0.168  .95 .036
  130763  0 2  0.0 0.168  .95 .036
  200763  0 2  0.0 0.168  .95 .036
  010664  0 2  0.0 0.168  .95 .036
  080664  0 2  0.0 0.168  .95 .036
  150664  0 2  0.0 0.168  .95 .036
  220664  0 2  0.0 0.168  .95 .036
  290664  0 2  0.0 0.168  .95 .036
  060764  0 2  0.0 0.168  .95 .036
  130764  0 2  0.0 0.168  .95 .036
  200764  0 2  0.0 0.168  .95 .036
  010665  0 2  0.0 0.168  .95 .036
  080665  0 2  0.0 0.168  .95 .036
  150665  0 2  0.0 0.168  .95 .036
  220665  0 2  0.0 0.168  .95 .036
  290665  0 2  0.0 0.168  .95 .036
  060765  0 2  0.0 0.168  .95 .036
  130765  0 2  0.0 0.168  .95 .036
  200765  0 2  0.0 0.168  .95 .036
  010666  0 2  0.0 0.168  .95 .036
  080666  0 2  0.0 0.168  .95 .036
  150666  0 2  0.0 0.168  .95 .036
  220666  0 2  0.0 0.168  .95 .036
  290666  0 2  0.0 0.168  .95 .036
  060766  0 2  0.0 0.168  .95 .036
  130766  0 2  0.0 0.168  .95 .036
  200766  0 2  0.0 0.168  .95 .036
  010667  0 2  0.0 0.168  .95 .036
  080667  0 2  0.0 0.168  .95 .036
  150667  0 2  0.0 0.168  .95 .036
  220667  0 2  0.0 0.168  .95 .036
  290667  0 2  0.0 0.168  .95 .036
  060767  0 2  0.0 0.168  .95 .036
  130767  0 2  0.0 0.168  .95 .036
```

```
200767  0 2  0.0 0.168  .95 .036
010668  0 2  0.0 0.168  .95 .036
080668  0 2  0.0 0.168  .95 .036
150668  0 2  0.0 0.168  .95 .036
220668  0 2  0.0 0.168  .95 .036
290668  0 2  0.0 0.168  .95 .036
060768  0 2  0.0 0.168  .95 .036
130768  0 2  0.0 0.168  .95 .036
200768  0 2  0.0 0.168  .95 .036
010669  0 2  0.0 0.168  .95 .036
080669  0 2  0.0 0.168  .95 .036
150669  0 2  0.0 0.168  .95 .036
220669  0 2  0.0 0.168  .95 .036
290669  0 2  0.0 0.168  .95 .036
060769  0 2  0.0 0.168  .95 .036
130769  0 2  0.0 0.168  .95 .036
200769  0 2  0.0 0.168  .95 .036
010670  0 2  0.0 0.168  .95 .036
080670  0 2  0.0 0.168  .95 .036
150670  0 2  0.0 0.168  .95 .036
220670  0 2  0.0 0.168  .95 .036
290670  0 2  0.0 0.168  .95 .036
060770  0 2  0.0 0.168  .95 .036
130770  0 2  0.0 0.168  .95 .036
200770  0 2  0.0 0.168  .95 .036
010671  0 2  0.0 0.168  .95 .036
080671  0 2  0.0 0.168  .95 .036
150671  0 2  0.0 0.168  .95 .036
220671  0 2  0.0 0.168  .95 .036
290671  0 2  0.0 0.168  .95 .036
060771  0 2  0.0 0.168  .95 .036
130771  0 2  0.0 0.168  .95 .036
200771  0 2  0.0 0.168  .95 .036
010672  0 2  0.0 0.168  .95 .036
080672  0 2  0.0 0.168  .95 .036
150672  0 2  0.0 0.168  .95 .036
220672  0 2  0.0 0.168  .95 .036
290672  0 2  0.0 0.168  .95 .036
060772  0 2  0.0 0.168  .95 .036
130772  0 2  0.0 0.168  .95 .036
200772  0 2  0.0 0.168  .95 .036
010673  0 2  0.0 0.168  .95 .036
080673  0 2  0.0 0.168  .95 .036
150673  0 2  0.0 0.168  .95 .036
220673  0 2  0.0 0.168  .95 .036
290673  0 2  0.0 0.168  .95 .036
060773  0 2  0.0 0.168  .95 .036
130773  0 2  0.0 0.168  .95 .036
200773  0 2  0.0 0.168  .95 .036
010674  0 2  0.0 0.168  .95 .036
080674  0 2  0.0 0.168  .95 .036
150674  0 2  0.0 0.168  .95 .036
220674  0 2  0.0 0.168  .95 .036
290674  0 2  0.0 0.168  .95 .036
060774  0 2  0.0 0.168  .95 .036
130774  0 2  0.0 0.168  .95 .036
200774  0 2  0.0 0.168  .95 .036
010675  0 2  0.0 0.168  .95 .036
080675  0 2  0.0 0.168  .95 .036
150675  0 2  0.0 0.168  .95 .036
220675  0 2  0.0 0.168  .95 .036
290675  0 2  0.0 0.168  .95 .036
060775  0 2  0.0 0.168  .95 .036
130775  0 2  0.0 0.168  .95 .036
200775  0 2  0.0 0.168  .95 .036
010676  0 2  0.0 0.168  .95 .036
080676  0 2  0.0 0.168  .95 .036
150676  0 2  0.0 0.168  .95 .036
220676  0 2  0.0 0.168  .95 .036
290676  0 2  0.0 0.168  .95 .036
060776  0 2  0.0 0.168  .95 .036
```

```
130776  0 2  0.0 0.168  .95 .036
200776  0 2  0.0 0.168  .95 .036
010677  0 2  0.0 0.168  .95 .036
080677  0 2  0.0 0.168  .95 .036
150677  0 2  0.0 0.168  .95 .036
220677  0 2  0.0 0.168  .95 .036
290677  0 2  0.0 0.168  .95 .036
060777  0 2  0.0 0.168  .95 .036
130777  0 2  0.0 0.168  .95 .036
200777  0 2  0.0 0.168  .95 .036
010678  0 2  0.0 0.168  .95 .036
080678  0 2  0.0 0.168  .95 .036
150678  0 2  0.0 0.168  .95 .036
220678  0 2  0.0 0.168  .95 .036
290678  0 2  0.0 0.168  .95 .036
060778  0 2  0.0 0.168  .95 .036
130778  0 2  0.0 0.168  .95 .036
200778  0 2  0.0 0.168  .95 .036
010679  0 2  0.0 0.168  .95 .036
080679  0 2  0.0 0.168  .95 .036
150679  0 2  0.0 0.168  .95 .036
220679  0 2  0.0 0.168  .95 .036
290679  0 2  0.0 0.168  .95 .036
060779  0 2  0.0 0.168  .95 .036
130779  0 2  0.0 0.168  .95 .036
200779  0 2  0.0 0.168  .95 .036
010680  0 2  0.0 0.168  .95 .036
080680  0 2  0.0 0.168  .95 .036
150680  0 2  0.0 0.168  .95 .036
220680  0 2  0.0 0.168  .95 .036
290680  0 2  0.0 0.168  .95 .036
060780  0 2  0.0 0.168  .95 .036
130780  0 2  0.0 0.168  .95 .036
200780  0 2  0.0 0.168  .95 .036
010681  0 2  0.0 0.168  .95 .036
080681  0 2  0.0 0.168  .95 .036
150681  0 2  0.0 0.168  .95 .036
220681  0 2  0.0 0.168  .95 .036
290681  0 2  0.0 0.168  .95 .036
060781  0 2  0.0 0.168  .95 .036
130781  0 2  0.0 0.168  .95 .036
200781  0 2  0.0 0.168  .95 .036
010682  0 2  0.0 0.168  .95 .036
080682  0 2  0.0 0.168  .95 .036
150682  0 2  0.0 0.168  .95 .036
220682  0 2  0.0 0.168  .95 .036
290682  0 2  0.0 0.168  .95 .036
060782  0 2  0.0 0.168  .95 .036
130782  0 2  0.0 0.168  .95 .036
200782  0 2  0.0 0.168  .95 .036
010683  0 2  0.0 0.168  .95 .036
080683  0 2  0.0 0.168  .95 .036
150683  0 2  0.0 0.168  .95 .036
220683  0 2  0.0 0.168  .95 .036
290683  0 2  0.0 0.168  .95 .036
060783  0 2  0.0 0.168  .95 .036
130783  0 2  0.0 0.168  .95 .036
200783  0 2  0.0 0.168  .95 .036
010684  0 2  0.0 0.168  .95 .036
080684  0 2  0.0 0.168  .95 .036
150684  0 2  0.0 0.168  .95 .036
220684  0 2  0.0 0.168  .95 .036
290684  0 2  0.0 0.168  .95 .036
060784  0 2  0.0 0.168  .95 .036
130784  0 2  0.0 0.168  .95 .036
200784  0 2  0.0 0.168  .95 .036
010685  0 2  0.0 0.168  .95 .036
080685  0 2  0.0 0.168  .95 .036
150685  0 2  0.0 0.168  .95 .036
220685  0 2  0.0 0.168  .95 .036
290685  0 2  0.0 0.168  .95 .036
```

```
  060785  0 2  0.0 0.168  .95 .036
  130785  0 2  0.0 0.168  .95 .036
  200785  0 2  0.0 0.168  .95 .036
  010686  0 2  0.0 0.168  .95 .036
  080686  0 2  0.0 0.168  .95 .036
  150686  0 2  0.0 0.168  .95 .036
  220686  0 2  0.0 0.168  .95 .036
  290686  0 2  0.0 0.168  .95 .036
  060786  0 2  0.0 0.168  .95 .036
  130786  0 2  0.0 0.168  .95 .036
  200786  0 2  0.0 0.168  .95 .036
  010687  0 2  0.0 0.168  .95 .036
  080687  0 2  0.0 0.168  .95 .036
  150687  0 2  0.0 0.168  .95 .036
  220687  0 2  0.0 0.168  .95 .036
  290687  0 2  0.0 0.168  .95 .036
  060787  0 2  0.0 0.168  .95 .036
  130787  0 2  0.0 0.168  .95 .036
  200787  0 2  0.0 0.168  .95 .036
  010688  0 2  0.0 0.168  .95 .036
  080688  0 2  0.0 0.168  .95 .036
  150688  0 2  0.0 0.168  .95 .036
  220688  0 2  0.0 0.168  .95 .036
  290688  0 2  0.0 0.168  .95 .036
  060788  0 2  0.0 0.168  .95 .036
  130788  0 2  0.0 0.168  .95 .036
  200788  0 2  0.0 0.168  .95 .036
  010689  0 2  0.0 0.168  .95 .036
  080689  0 2  0.0 0.168  .95 .036
  150689  0 2  0.0 0.168  .95 .036
  220689  0 2  0.0 0.168  .95 .036
  290689  0 2  0.0 0.168  .95 .036
  060789  0 2  0.0 0.168  .95 .036
  130789  0 2  0.0 0.168  .95 .036
  200789  0 2  0.0 0.168  .95 .036
  010690  0 2  0.0 0.168  .95 .036
  080690  0 2  0.0 0.168  .95 .036
  150690  0 2  0.0 0.168  .95 .036
  220690  0 2  0.0 0.168  .95 .036
  290690  0 2  0.0 0.168  .95 .036
  060790  0 2  0.0 0.168  .95 .036
  130790  0 2  0.0 0.168  .95 .036
  200790  0 2  0.0 0.168  .95 .036
*** Record 17
      0       1       0
*** Record 18
      0       0     0.5
*** Record 19 -- STITLE
Loring Silt Loam; HYDG: C
*** Record 20
     155           0   0   1   0   0   0   0   0   0
*** Record 26
      0       0       0
*** Record 30
      41.241e6
*** Record 33
      6
      1      13     1.4   0.385       0       0       0
        0.00304 0.00304       0
             0.1   0.385   0.151    1.28       0
      2      23     1.4    0.37       0       0       0
        0.00304 0.00304       0
               1    0.37   0.146    0.49       0
      3      33     1.4    0.37       0       0       0
        0.00304 0.00304       0
               3    0.37   0.146    0.16       0
      4      30    1.45    0.34       0       0       0
        0.00304 0.00304       0
               5    0.34   0.125    0.12       0
      5      23    1.49   0.335       0       0       0
        0.00304 0.00304       0
```

```
              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
```

```
290764  0 2  0.0 0.224  .95 .036
050864  0 2  0.0 0.224  .95 .036
010765  0 2  0.0 0.224  .95 .036
080765  0 2  0.0 0.224  .95 .036
150765  0 2  0.0 0.224  .95 .036
220765  0 2  0.0 0.224  .95 .036
290765  0 2  0.0 0.224  .95 .036
050865  0 2  0.0 0.224  .95 .036
010766  0 2  0.0 0.224  .95 .036
080766  0 2  0.0 0.224  .95 .036
150766  0 2  0.0 0.224  .95 .036
220766  0 2  0.0 0.224  .95 .036
290766  0 2  0.0 0.224  .95 .036
050866  0 2  0.0 0.224  .95 .036
010767  0 2  0.0 0.224  .95 .036
080767  0 2  0.0 0.224  .95 .036
150767  0 2  0.0 0.224  .95 .036
220767  0 2  0.0 0.224  .95 .036
290767  0 2  0.0 0.224  .95 .036
050867  0 2  0.0 0.224  .95 .036
010768  0 2  0.0 0.224  .95 .036
080768  0 2  0.0 0.224  .95 .036
150768  0 2  0.0 0.224  .95 .036
220768  0 2  0.0 0.224  .95 .036
290768  0 2  0.0 0.224  .95 .036
050868  0 2  0.0 0.224  .95 .036
010769  0 2  0.0 0.224  .95 .036
080769  0 2  0.0 0.224  .95 .036
150769  0 2  0.0 0.224  .95 .036
220769  0 2  0.0 0.224  .95 .036
290769  0 2  0.0 0.224  .95 .036
050869  0 2  0.0 0.224  .95 .036
010770  0 2  0.0 0.224  .95 .036
080770  0 2  0.0 0.224  .95 .036
150770  0 2  0.0 0.224  .95 .036
220770  0 2  0.0 0.224  .95 .036
290770  0 2  0.0 0.224  .95 .036
050870  0 2  0.0 0.224  .95 .036
010771  0 2  0.0 0.224  .95 .036
080771  0 2  0.0 0.224  .95 .036
150771  0 2  0.0 0.224  .95 .036
220771  0 2  0.0 0.224  .95 .036
290771  0 2  0.0 0.224  .95 .036
050871  0 2  0.0 0.224  .95 .036
010772  0 2  0.0 0.224  .95 .036
080772  0 2  0.0 0.224  .95 .036
150772  0 2  0.0 0.224  .95 .036
220772  0 2  0.0 0.224  .95 .036
290772  0 2  0.0 0.224  .95 .036
050872  0 2  0.0 0.224  .95 .036
010773  0 2  0.0 0.224  .95 .036
080773  0 2  0.0 0.224  .95 .036
150773  0 2  0.0 0.224  .95 .036
220773  0 2  0.0 0.224  .95 .036
290773  0 2  0.0 0.224  .95 .036
050873  0 2  0.0 0.224  .95 .036
010774  0 2  0.0 0.224  .95 .036
080774  0 2  0.0 0.224  .95 .036
150774  0 2  0.0 0.224  .95 .036
220774  0 2  0.0 0.224  .95 .036
290774  0 2  0.0 0.224  .95 .036
050874  0 2  0.0 0.224  .95 .036
010775  0 2  0.0 0.224  .95 .036
080775  0 2  0.0 0.224  .95 .036
150775  0 2  0.0 0.224  .95 .036
220775  0 2  0.0 0.224  .95 .036
290775  0 2  0.0 0.224  .95 .036
050875  0 2  0.0 0.224  .95 .036
010776  0 2  0.0 0.224  .95 .036
080776  0 2  0.0 0.224  .95 .036
150776  0 2  0.0 0.224  .95 .036
```

```
220776  0 2  0.0 0.224  .95 .036
290776  0 2  0.0 0.224  .95 .036
050876  0 2  0.0 0.224  .95 .036
010777  0 2  0.0 0.224  .95 .036
080777  0 2  0.0 0.224  .95 .036
150777  0 2  0.0 0.224  .95 .036
220777  0 2  0.0 0.224  .95 .036
290777  0 2  0.0 0.224  .95 .036
050877  0 2  0.0 0.224  .95 .036
010778  0 2  0.0 0.224  .95 .036
080778  0 2  0.0 0.224  .95 .036
150778  0 2  0.0 0.224  .95 .036
220778  0 2  0.0 0.224  .95 .036
290778  0 2  0.0 0.224  .95 .036
050878  0 2  0.0 0.224  .95 .036
010779  0 2  0.0 0.224  .95 .036
080779  0 2  0.0 0.224  .95 .036
150779  0 2  0.0 0.224  .95 .036
220779  0 2  0.0 0.224  .95 .036
290779  0 2  0.0 0.224  .95 .036
050879  0 2  0.0 0.224  .95 .036
010780  0 2  0.0 0.224  .95 .036
080780  0 2  0.0 0.224  .95 .036
150780  0 2  0.0 0.224  .95 .036
220780  0 2  0.0 0.224  .95 .036
290780  0 2  0.0 0.224  .95 .036
050880  0 2  0.0 0.224  .95 .036
010781  0 2  0.0 0.224  .95 .036
080781  0 2  0.0 0.224  .95 .036
150781  0 2  0.0 0.224  .95 .036
220781  0 2  0.0 0.224  .95 .036
290781  0 2  0.0 0.224  .95 .036
050881  0 2  0.0 0.224  .95 .036
010782  0 2  0.0 0.224  .95 .036
080782  0 2  0.0 0.224  .95 .036
150782  0 2  0.0 0.224  .95 .036
220782  0 2  0.0 0.224  .95 .036
290782  0 2  0.0 0.224  .95 .036
050882  0 2  0.0 0.224  .95 .036
010783  0 2  0.0 0.224  .95 .036
080783  0 2  0.0 0.224  .95 .036
150783  0 2  0.0 0.224  .95 .036
220783  0 2  0.0 0.224  .95 .036
290783  0 2  0.0 0.224  .95 .036
050883  0 2  0.0 0.224  .95 .036
010784  0 2  0.0 0.224  .95 .036
080784  0 2  0.0 0.224  .95 .036
150784  0 2  0.0 0.224  .95 .036
220784  0 2  0.0 0.224  .95 .036
290784  0 2  0.0 0.224  .95 .036
050884  0 2  0.0 0.224  .95 .036
010785  0 2  0.0 0.224  .95 .036
080785  0 2  0.0 0.224  .95 .036
150785  0 2  0.0 0.224  .95 .036
220785  0 2  0.0 0.224  .95 .036
290785  0 2  0.0 0.224  .95 .036
050885  0 2  0.0 0.224  .95 .036
010786  0 2  0.0 0.224  .95 .036
080786  0 2  0.0 0.224  .95 .036
150786  0 2  0.0 0.224  .95 .036
220786  0 2  0.0 0.224  .95 .036
290786  0 2  0.0 0.224  .95 .036
050886  0 2  0.0 0.224  .95 .036
010787  0 2  0.0 0.224  .95 .036
080787  0 2  0.0 0.224  .95 .036
150787  0 2  0.0 0.224  .95 .036
220787  0 2  0.0 0.224  .95 .036
290787  0 2  0.0 0.224  .95 .036
050887  0 2  0.0 0.224  .95 .036
010788  0 2  0.0 0.224  .95 .036
080788  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
  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
```

```
290469  0 2  0.0 0.224  .95 .036
060569  0 2  0.0 0.224  .95 .036
010470  0 2  0.0 0.224  .95 .036
080470  0 2  0.0 0.224  .95 .036
150470  0 2  0.0 0.224  .95 .036
220470  0 2  0.0 0.224  .95 .036
290470  0 2  0.0 0.224  .95 .036
060570  0 2  0.0 0.224  .95 .036
010471  0 2  0.0 0.224  .95 .036
080471  0 2  0.0 0.224  .95 .036
150471  0 2  0.0 0.224  .95 .036
220471  0 2  0.0 0.224  .95 .036
290471  0 2  0.0 0.224  .95 .036
060571  0 2  0.0 0.224  .95 .036
010472  0 2  0.0 0.224  .95 .036
080472  0 2  0.0 0.224  .95 .036
150472  0 2  0.0 0.224  .95 .036
220472  0 2  0.0 0.224  .95 .036
290472  0 2  0.0 0.224  .95 .036
060572  0 2  0.0 0.224  .95 .036
010473  0 2  0.0 0.224  .95 .036
080473  0 2  0.0 0.224  .95 .036
150473  0 2  0.0 0.224  .95 .036
220473  0 2  0.0 0.224  .95 .036
290473  0 2  0.0 0.224  .95 .036
060573  0 2  0.0 0.224  .95 .036
010474  0 2  0.0 0.224  .95 .036
080474  0 2  0.0 0.224  .95 .036
150474  0 2  0.0 0.224  .95 .036
220474  0 2  0.0 0.224  .95 .036
290474  0 2  0.0 0.224  .95 .036
060574  0 2  0.0 0.224  .95 .036
010475  0 2  0.0 0.224  .95 .036
080475  0 2  0.0 0.224  .95 .036
150475  0 2  0.0 0.224  .95 .036
220475  0 2  0.0 0.224  .95 .036
290475  0 2  0.0 0.224  .95 .036
060575  0 2  0.0 0.224  .95 .036
010476  0 2  0.0 0.224  .95 .036
080476  0 2  0.0 0.224  .95 .036
150476  0 2  0.0 0.224  .95 .036
220476  0 2  0.0 0.224  .95 .036
290476  0 2  0.0 0.224  .95 .036
060576  0 2  0.0 0.224  .95 .036
010477  0 2  0.0 0.224  .95 .036
080477  0 2  0.0 0.224  .95 .036
150477  0 2  0.0 0.224  .95 .036
220477  0 2  0.0 0.224  .95 .036
290477  0 2  0.0 0.224  .95 .036
060577  0 2  0.0 0.224  .95 .036
010478  0 2  0.0 0.224  .95 .036
080478  0 2  0.0 0.224  .95 .036
150478  0 2  0.0 0.224  .95 .036
220478  0 2  0.0 0.224  .95 .036
290478  0 2  0.0 0.224  .95 .036
060578  0 2  0.0 0.224  .95 .036
010479  0 2  0.0 0.224  .95 .036
080479  0 2  0.0 0.224  .95 .036
150479  0 2  0.0 0.224  .95 .036
220479  0 2  0.0 0.224  .95 .036
290479  0 2  0.0 0.224  .95 .036
060579  0 2  0.0 0.224  .95 .036
010480  0 2  0.0 0.224  .95 .036
080480  0 2  0.0 0.224  .95 .036
150480  0 2  0.0 0.224  .95 .036
220480  0 2  0.0 0.224  .95 .036
290480  0 2  0.0 0.224  .95 .036
060580  0 2  0.0 0.224  .95 .036
010481  0 2  0.0 0.224  .95 .036
080481  0 2  0.0 0.224  .95 .036
150481  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   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
       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
  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
```

```
150161  0 2  0.0 0.224  .95 .036
220161  0 2  0.0 0.224  .95 .036
290161  0 2  0.0 0.224  .95 .036
050261  0 2  0.0 0.224  .95 .036
010162  0 2  0.0 0.224  .95 .036
080162  0 2  0.0 0.224  .95 .036
150162  0 2  0.0 0.224  .95 .036
220162  0 2  0.0 0.224  .95 .036
290162  0 2  0.0 0.224  .95 .036
050262  0 2  0.0 0.224  .95 .036
010163  0 2  0.0 0.224  .95 .036
080163  0 2  0.0 0.224  .95 .036
150163  0 2  0.0 0.224  .95 .036
220163  0 2  0.0 0.224  .95 .036
290163  0 2  0.0 0.224  .95 .036
050263  0 2  0.0 0.224  .95 .036
010164  0 2  0.0 0.224  .95 .036
080164  0 2  0.0 0.224  .95 .036
150164  0 2  0.0 0.224  .95 .036
220164  0 2  0.0 0.224  .95 .036
290164  0 2  0.0 0.224  .95 .036
050264  0 2  0.0 0.224  .95 .036
010165  0 2  0.0 0.224  .95 .036
080165  0 2  0.0 0.224  .95 .036
150165  0 2  0.0 0.224  .95 .036
220165  0 2  0.0 0.224  .95 .036
290165  0 2  0.0 0.224  .95 .036
050265  0 2  0.0 0.224  .95 .036
010166  0 2  0.0 0.224  .95 .036
080166  0 2  0.0 0.224  .95 .036
150166  0 2  0.0 0.224  .95 .036
220166  0 2  0.0 0.224  .95 .036
290166  0 2  0.0 0.224  .95 .036
050266  0 2  0.0 0.224  .95 .036
010167  0 2  0.0 0.224  .95 .036
080167  0 2  0.0 0.224  .95 .036
150167  0 2  0.0 0.224  .95 .036
220167  0 2  0.0 0.224  .95 .036
290167  0 2  0.0 0.224  .95 .036
050267  0 2  0.0 0.224  .95 .036
010168  0 2  0.0 0.224  .95 .036
080168  0 2  0.0 0.224  .95 .036
150168  0 2  0.0 0.224  .95 .036
220168  0 2  0.0 0.224  .95 .036
290168  0 2  0.0 0.224  .95 .036
050268  0 2  0.0 0.224  .95 .036
010169  0 2  0.0 0.224  .95 .036
080169  0 2  0.0 0.224  .95 .036
150169  0 2  0.0 0.224  .95 .036
220169  0 2  0.0 0.224  .95 .036
290169  0 2  0.0 0.224  .95 .036
050269  0 2  0.0 0.224  .95 .036
010170  0 2  0.0 0.224  .95 .036
080170  0 2  0.0 0.224  .95 .036
150170  0 2  0.0 0.224  .95 .036
220170  0 2  0.0 0.224  .95 .036
290170  0 2  0.0 0.224  .95 .036
050270  0 2  0.0 0.224  .95 .036
010171  0 2  0.0 0.224  .95 .036
080171  0 2  0.0 0.224  .95 .036
150171  0 2  0.0 0.224  .95 .036
220171  0 2  0.0 0.224  .95 .036
290171  0 2  0.0 0.224  .95 .036
050271  0 2  0.0 0.224  .95 .036
010172  0 2  0.0 0.224  .95 .036
080172  0 2  0.0 0.224  .95 .036
150172  0 2  0.0 0.224  .95 .036
220172  0 2  0.0 0.224  .95 .036
290172  0 2  0.0 0.224  .95 .036
050272  0 2  0.0 0.224  .95 .036
010173  0 2  0.0 0.224  .95 .036
```

```
080173  0 2  0.0 0.224  .95 .036
150173  0 2  0.0 0.224  .95 .036
220173  0 2  0.0 0.224  .95 .036
290173  0 2  0.0 0.224  .95 .036
050273  0 2  0.0 0.224  .95 .036
010174  0 2  0.0 0.224  .95 .036
080174  0 2  0.0 0.224  .95 .036
150174  0 2  0.0 0.224  .95 .036
220174  0 2  0.0 0.224  .95 .036
290174  0 2  0.0 0.224  .95 .036
050274  0 2  0.0 0.224  .95 .036
010175  0 2  0.0 0.224  .95 .036
080175  0 2  0.0 0.224  .95 .036
150175  0 2  0.0 0.224  .95 .036
220175  0 2  0.0 0.224  .95 .036
290175  0 2  0.0 0.224  .95 .036
050275  0 2  0.0 0.224  .95 .036
010176  0 2  0.0 0.224  .95 .036
080176  0 2  0.0 0.224  .95 .036
150176  0 2  0.0 0.224  .95 .036
220176  0 2  0.0 0.224  .95 .036
290176  0 2  0.0 0.224  .95 .036
050276  0 2  0.0 0.224  .95 .036
010177  0 2  0.0 0.224  .95 .036
080177  0 2  0.0 0.224  .95 .036
150177  0 2  0.0 0.224  .95 .036
220177  0 2  0.0 0.224  .95 .036
290177  0 2  0.0 0.224  .95 .036
050277  0 2  0.0 0.224  .95 .036
010178  0 2  0.0 0.224  .95 .036
080178  0 2  0.0 0.224  .95 .036
150178  0 2  0.0 0.224  .95 .036
220178  0 2  0.0 0.224  .95 .036
290178  0 2  0.0 0.224  .95 .036
050278  0 2  0.0 0.224  .95 .036
010179  0 2  0.0 0.224  .95 .036
080179  0 2  0.0 0.224  .95 .036
150179  0 2  0.0 0.224  .95 .036
220179  0 2  0.0 0.224  .95 .036
290179  0 2  0.0 0.224  .95 .036
050279  0 2  0.0 0.224  .95 .036
010180  0 2  0.0 0.224  .95 .036
080180  0 2  0.0 0.224  .95 .036
150180  0 2  0.0 0.224  .95 .036
220180  0 2  0.0 0.224  .95 .036
290180  0 2  0.0 0.224  .95 .036
050280  0 2  0.0 0.224  .95 .036
010181  0 2  0.0 0.224  .95 .036
080181  0 2  0.0 0.224  .95 .036
150181  0 2  0.0 0.224  .95 .036
220181  0 2  0.0 0.224  .95 .036
290181  0 2  0.0 0.224  .95 .036
050281  0 2  0.0 0.224  .95 .036
010182  0 2  0.0 0.224  .95 .036
080182  0 2  0.0 0.224  .95 .036
150182  0 2  0.0 0.224  .95 .036
220182  0 2  0.0 0.224  .95 .036
290182  0 2  0.0 0.224  .95 .036
050282  0 2  0.0 0.224  .95 .036
010183  0 2  0.0 0.224  .95 .036
080183  0 2  0.0 0.224  .95 .036
150183  0 2  0.0 0.224  .95 .036
220183  0 2  0.0 0.224  .95 .036
290183  0 2  0.0 0.224  .95 .036
050283  0 2  0.0 0.224  .95 .036
010184  0 2  0.0 0.224  .95 .036
080184  0 2  0.0 0.224  .95 .036
150184  0 2  0.0 0.224  .95 .036
220184  0 2  0.0 0.224  .95 .036
290184  0 2  0.0 0.224  .95 .036
050284  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\EXAMSenv\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
  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 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
```

```
051166  0 2  0.0 0.224  .95 .036
011067  0 2  0.0 0.224  .95 .036
081067  0 2  0.0 0.224  .95 .036
151067  0 2  0.0 0.224  .95 .036
221067  0 2  0.0 0.224  .95 .036
291067  0 2  0.0 0.224  .95 .036
051167  0 2  0.0 0.224  .95 .036
011068  0 2  0.0 0.224  .95 .036
081068  0 2  0.0 0.224  .95 .036
151068  0 2  0.0 0.224  .95 .036
221068  0 2  0.0 0.224  .95 .036
291068  0 2  0.0 0.224  .95 .036
051168  0 2  0.0 0.224  .95 .036
011069  0 2  0.0 0.224  .95 .036
081069  0 2  0.0 0.224  .95 .036
151069  0 2  0.0 0.224  .95 .036
221069  0 2  0.0 0.224  .95 .036
291069  0 2  0.0 0.224  .95 .036
051169  0 2  0.0 0.224  .95 .036
011070  0 2  0.0 0.224  .95 .036
081070  0 2  0.0 0.224  .95 .036
151070  0 2  0.0 0.224  .95 .036
221070  0 2  0.0 0.224  .95 .036
291070  0 2  0.0 0.224  .95 .036
051170  0 2  0.0 0.224  .95 .036
011071  0 2  0.0 0.224  .95 .036
081071  0 2  0.0 0.224  .95 .036
151071  0 2  0.0 0.224  .95 .036
221071  0 2  0.0 0.224  .95 .036
291071  0 2  0.0 0.224  .95 .036
051171  0 2  0.0 0.224  .95 .036
011072  0 2  0.0 0.224  .95 .036
081072  0 2  0.0 0.224  .95 .036
151072  0 2  0.0 0.224  .95 .036
221072  0 2  0.0 0.224  .95 .036
291072  0 2  0.0 0.224  .95 .036
051172  0 2  0.0 0.224  .95 .036
011073  0 2  0.0 0.224  .95 .036
081073  0 2  0.0 0.224  .95 .036
151073  0 2  0.0 0.224  .95 .036
221073  0 2  0.0 0.224  .95 .036
291073  0 2  0.0 0.224  .95 .036
051173  0 2  0.0 0.224  .95 .036
011074  0 2  0.0 0.224  .95 .036
081074  0 2  0.0 0.224  .95 .036
151074  0 2  0.0 0.224  .95 .036
221074  0 2  0.0 0.224  .95 .036
291074  0 2  0.0 0.224  .95 .036
051174  0 2  0.0 0.224  .95 .036
011075  0 2  0.0 0.224  .95 .036
081075  0 2  0.0 0.224  .95 .036
151075  0 2  0.0 0.224  .95 .036
221075  0 2  0.0 0.224  .95 .036
291075  0 2  0.0 0.224  .95 .036
051175  0 2  0.0 0.224  .95 .036
011076  0 2  0.0 0.224  .95 .036
081076  0 2  0.0 0.224  .95 .036
151076  0 2  0.0 0.224  .95 .036
221076  0 2  0.0 0.224  .95 .036
291076  0 2  0.0 0.224  .95 .036
051176  0 2  0.0 0.224  .95 .036
011077  0 2  0.0 0.224  .95 .036
081077  0 2  0.0 0.224  .95 .036
151077  0 2  0.0 0.224  .95 .036
221077  0 2  0.0 0.224  .95 .036
291077  0 2  0.0 0.224  .95 .036
051177  0 2  0.0 0.224  .95 .036
011078  0 2  0.0 0.224  .95 .036
081078  0 2  0.0 0.224  .95 .036
151078  0 2  0.0 0.224  .95 .036
221078  0 2  0.0 0.224  .95 .036
```

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291078  0 2  0.0 0.224  .95 .036
051178  0 2  0.0 0.224  .95 .036
011079  0 2  0.0 0.224  .95 .036
081079  0 2  0.0 0.224  .95 .036
151079  0 2  0.0 0.224  .95 .036
221079  0 2  0.0 0.224  .95 .036
291079  0 2  0.0 0.224  .95 .036
051179  0 2  0.0 0.224  .95 .036
011080  0 2  0.0 0.224  .95 .036
081080  0 2  0.0 0.224  .95 .036
151080  0 2  0.0 0.224  .95 .036
221080  0 2  0.0 0.224  .95 .036
291080  0 2  0.0 0.224  .95 .036
051180  0 2  0.0 0.224  .95 .036
011081  0 2  0.0 0.224  .95 .036
081081  0 2  0.0 0.224  .95 .036
151081  0 2  0.0 0.224  .95 .036
221081  0 2  0.0 0.224  .95 .036
291081  0 2  0.0 0.224  .95 .036
051181  0 2  0.0 0.224  .95 .036
011082  0 2  0.0 0.224  .95 .036
081082  0 2  0.0 0.224  .95 .036
151082  0 2  0.0 0.224  .95 .036
221082  0 2  0.0 0.224  .95 .036
291082  0 2  0.0 0.224  .95 .036
051182  0 2  0.0 0.224  .95 .036
011083  0 2  0.0 0.224  .95 .036
081083  0 2  0.0 0.224  .95 .036
151083  0 2  0.0 0.224  .95 .036
221083  0 2  0.0 0.224  .95 .036
291083  0 2  0.0 0.224  .95 .036
051183  0 2  0.0 0.224  .95 .036
011084  0 2  0.0 0.224  .95 .036
081084  0 2  0.0 0.224  .95 .036
151084  0 2  0.0 0.224  .95 .036
221084  0 2  0.0 0.224  .95 .036
291084  0 2  0.0 0.224  .95 .036
051184  0 2  0.0 0.224  .95 .036
011085  0 2  0.0 0.224  .95 .036
081085  0 2  0.0 0.224  .95 .036
151085  0 2  0.0 0.224  .95 .036
221085  0 2  0.0 0.224  .95 .036
291085  0 2  0.0 0.224  .95 .036
051185  0 2  0.0 0.224  .95 .036
011086  0 2  0.0 0.224  .95 .036
081086  0 2  0.0 0.224  .95 .036
151086  0 2  0.0 0.224  .95 .036
221086  0 2  0.0 0.224  .95 .036
291086  0 2  0.0 0.224  .95 .036
051186  0 2  0.0 0.224  .95 .036
011087  0 2  0.0 0.224  .95 .036
081087  0 2  0.0 0.224  .95 .036
151087  0 2  0.0 0.224  .95 .036
221087  0 2  0.0 0.224  .95 .036
291087  0 2  0.0 0.224  .95 .036
051187  0 2  0.0 0.224  .95 .036
011088  0 2  0.0 0.224  .95 .036
081088  0 2  0.0 0.224  .95 .036
151088  0 2  0.0 0.224  .95 .036
221088  0 2  0.0 0.224  .95 .036
291088  0 2  0.0 0.224  .95 .036
051188  0 2  0.0 0.224  .95 .036
011089  0 2  0.0 0.224  .95 .036
081089  0 2  0.0 0.224  .95 .036
151089  0 2  0.0 0.224  .95 .036
221089  0 2  0.0 0.224  .95 .036
291089  0 2  0.0 0.224  .95 .036
051189  0 2  0.0 0.224  .95 .036
011090  0 2  0.0 0.224  .95 .036
081090  0 2  0.0 0.224  .95 .036
151090  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\w12844.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   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

1989	1.147	.352	.127	.091	.083	.056
1990	.122	.082	.073	.073	.072	.068

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	1.221	.372	.127	.091	.086	.075
.065	1.147	.352	.122	.089	.083	.075
.097	.605	.207	.101	.085	.082	.072
.129	.545	.198	.099	.082	.080	.071
.161	.434	.167	.097	.081	.078	.069
.194	.403	.159	.092	.080	.077	.069
.226	.397	.156	.088	.080	.076	.069
.258	.286	.118	.081	.078	.074	.068
.290	.247	.114	.081	.075	.074	.067
.323	.234	.111	.077	.074	.072	.067
.355	.181	.094	.076	.074	.072	.065
.387	.178	.090	.074	.073	.072	.064
.419	.175	.089	.073	.073	.072	.063
.452	.144	.089	.071	.069	.068	.060
.484	.136	.085	.070	.068	.067	.060
.516	.130	.083	.069	.064	.063	.057
.548	.126	.082	.066	.063	.062	.057
.581	.125	.080	.066	.063	.061	.057
.613	.124	.078	.065	.062	.061	.057
.645	.123	.077	.064	.061	.060	.056
.677	.122	.076	.063	.061	.060	.056
.710	.117	.074	.062	.061	.060	.053
.742	.115	.072	.062	.058	.057	.052
.774	.112	.072	.062	.057	.056	.052
.806	.111	.072	.061	.056	.055	.051
.839	.110	.067	.058	.056	.055	.047
.871	.107	.062	.053	.052	.051	.039
.903	.106	.056	.030	.023	.022	.018
.935	.101	.048	.021	.017	.016	.011
.968	.058	.022	.010	.008	.008	.004
1/10	.599	.207	.100	.084	.082	.072

MEAN OF ANNUAL VALUES = .056

STANDARD DEVIATION OF ANNUAL VALUES = .017

UPPER 90% CONFIDENCE LIMIT ON MEAN = .061

NY Grapes

PRZM INPUT FILE

```
NY Grapes
"Chautauqua County, NY; Field MLRA100/101, Metfile: W14860.dvf; Erie. PA; One of two NY
Grape scenarios, second scenario is inland with weather file Syracuse or Binghamton, NY."
*** Record 3:
    0.76    0.16       0    17.5       1       3
*** Record 6 -- ERFLAG
       4
*** Record 7:
    0.42    3.63       1      10               3      12   356.8
*** Record 8
       1
*** Record 9
       1    0.25     100      50       3  84  79  84       0      45
*** Record 9a-e
       1      24
0106 1606 0107 1607 0108 1608 0109 1609 0110 1610 0111 1611 0112 1612 0101 1601
.461 .472 .492 .509 .525 .537 .546 .553 .557 .559 .309 .319 .324 .327 .344 .378
.014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014 .014
```

```
  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
```

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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
```

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  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
  79   79   79   79   79   79   79   79   79   79   79   79   79   84   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 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
```

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100874  0 2  0.0 0.427  .95 .042
010675  0 2  0.0 0.427  .95 .042
150675  0 2  0.0 0.427  .95 .042
290675  0 2  0.0 0.427  .95 .042
130775  0 2  0.0 0.427  .95 .042
270775  0 2  0.0 0.427  .95 .042
100875  0 2  0.0 0.427  .95 .042
010676  0 2  0.0 0.427  .95 .042
150676  0 2  0.0 0.427  .95 .042
290676  0 2  0.0 0.427  .95 .042
130776  0 2  0.0 0.427  .95 .042
270776  0 2  0.0 0.427  .95 .042
100876  0 2  0.0 0.427  .95 .042
010677  0 2  0.0 0.427  .95 .042
150677  0 2  0.0 0.427  .95 .042
290677  0 2  0.0 0.427  .95 .042
130777  0 2  0.0 0.427  .95 .042
270777  0 2  0.0 0.427  .95 .042
100877  0 2  0.0 0.427  .95 .042
010678  0 2  0.0 0.427  .95 .042
150678  0 2  0.0 0.427  .95 .042
290678  0 2  0.0 0.427  .95 .042
130778  0 2  0.0 0.427  .95 .042
270778  0 2  0.0 0.427  .95 .042
100878  0 2  0.0 0.427  .95 .042
010679  0 2  0.0 0.427  .95 .042
150679  0 2  0.0 0.427  .95 .042
290679  0 2  0.0 0.427  .95 .042
130779  0 2  0.0 0.427  .95 .042
270779  0 2  0.0 0.427  .95 .042
100879  0 2  0.0 0.427  .95 .042
010680  0 2  0.0 0.427  .95 .042
150680  0 2  0.0 0.427  .95 .042
290680  0 2  0.0 0.427  .95 .042
130780  0 2  0.0 0.427  .95 .042
270780  0 2  0.0 0.427  .95 .042
100880  0 2  0.0 0.427  .95 .042
010681  0 2  0.0 0.427  .95 .042
150681  0 2  0.0 0.427  .95 .042
290681  0 2  0.0 0.427  .95 .042
130781  0 2  0.0 0.427  .95 .042
270781  0 2  0.0 0.427  .95 .042
100881  0 2  0.0 0.427  .95 .042
010682  0 2  0.0 0.427  .95 .042
150682  0 2  0.0 0.427  .95 .042
290682  0 2  0.0 0.427  .95 .042
130782  0 2  0.0 0.427  .95 .042
270782  0 2  0.0 0.427  .95 .042
100882  0 2  0.0 0.427  .95 .042
010683  0 2  0.0 0.427  .95 .042
150683  0 2  0.0 0.427  .95 .042
290683  0 2  0.0 0.427  .95 .042
130783  0 2  0.0 0.427  .95 .042
270783  0 2  0.0 0.427  .95 .042
100883  0 2  0.0 0.427  .95 .042
010684  0 2  0.0 0.427  .95 .042
150684  0 2  0.0 0.427  .95 .042
290684  0 2  0.0 0.427  .95 .042
130784  0 2  0.0 0.427  .95 .042
270784  0 2  0.0 0.427  .95 .042
100884  0 2  0.0 0.427  .95 .042
010685  0 2  0.0 0.427  .95 .042
150685  0 2  0.0 0.427  .95 .042
290685  0 2  0.0 0.427  .95 .042
130785  0 2  0.0 0.427  .95 .042
270785  0 2  0.0 0.427  .95 .042
100885  0 2  0.0 0.427  .95 .042
010686  0 2  0.0 0.427  .95 .042
150686  0 2  0.0 0.427  .95 .042
290686  0 2  0.0 0.427  .95 .042
130786  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   0.392   0.192    0.58       0
      3      84     1.3   0.475       0       0       0
        0.00304 0.00304       0
              4   0.475   0.275   0.116       0
      4      50     1.3   0.259       0       0       0
        0.00304 0.00304       0
              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   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
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
```

```
Riviera Sand; HYDG: C
*** Record 20
     100           0   0   1   0   0   0   0   0   0
*** Record 26
    4300  0.0012      20
*** Record 30
       4   10600
*** Record 33
       3
       1      10    1.65   0.073       0       0       0
         0.01216 0.01216       0
             0.1   0.073   0.023    1.16       0
       2      62    1.65   0.073       0       0       0
         0.01216 0.01216       0
               2   0.073   0.023    1.16       0
       3      28     1.7   0.211       0       0       0
         0.01216 0.01216       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
```

Isomer 2

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
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
```

```
  100775  0 2  0.0   0.6  .95  .05
  150875  0 2  0.0   0.6  .95  .05
  010676  0 2  0.0   0.6  .95  .05
  100776  0 2  0.0   0.6  .95  .05
  150876  0 2  0.0   0.6  .95  .05
  010677  0 2  0.0   0.6  .95  .05
  100777  0 2  0.0   0.6  .95  .05
  150877  0 2  0.0   0.6  .95  .05
  010678  0 2  0.0   0.6  .95  .05
  100778  0 2  0.0   0.6  .95  .05
  150878  0 2  0.0   0.6  .95  .05
  010679  0 2  0.0   0.6  .95  .05
  100779  0 2  0.0   0.6  .95  .05
  150879  0 2  0.0   0.6  .95  .05
  010680  0 2  0.0   0.6  .95  .05
  100780  0 2  0.0   0.6  .95  .05
  150880  0 2  0.0   0.6  .95  .05
  010681  0 2  0.0   0.6  .95  .05
  100781  0 2  0.0   0.6  .95  .05
  150881  0 2  0.0   0.6  .95  .05
  010682  0 2  0.0   0.6  .95  .05
  100782  0 2  0.0   0.6  .95  .05
  150882  0 2  0.0   0.6  .95  .05
  010683  0 2  0.0   0.6  .95  .05
  100783  0 2  0.0   0.6  .95  .05
  150883  0 2  0.0   0.6  .95  .05
  010684  0 2  0.0   0.6  .95  .05
  100784  0 2  0.0   0.6  .95  .05
  150884  0 2  0.0   0.6  .95  .05
  010685  0 2  0.0   0.6  .95  .05
  100785  0 2  0.0   0.6  .95  .05
  150885  0 2  0.0   0.6  .95  .05
  010686  0 2  0.0   0.6  .95  .05
  100786  0 2  0.0   0.6  .95  .05
  150886  0 2  0.0   0.6  .95  .05
  010687  0 2  0.0   0.6  .95  .05
  100787  0 2  0.0   0.6  .95  .05
  150887  0 2  0.0   0.6  .95  .05
  010688  0 2  0.0   0.6  .95  .05
  100788  0 2  0.0   0.6  .95  .05
  150888  0 2  0.0   0.6  .95  .05
  010689  0 2  0.0   0.6  .95  .05
  100789  0 2  0.0   0.6  .95  .05
  150889  0 2  0.0   0.6  .95  .05
  010690  0 2  0.0   0.6  .95  .05
  100790  0 2  0.0   0.6  .95  .05
  150890  0 2  0.0   0.6  .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   13500
*** Record 33
       3
       1      10    1.65   0.073       0       0       0
        0.0033320.003332       0
             0.1   0.073   0.023    1.16       0
       2      62    1.65   0.073       0       0       0
        0.0033320.003332       0
              2   0.073   0.023    1.16       0
       3      28     1.7   0.211       0       0       0
        0.0033320.003332       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
```

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
  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
             0.1   0.073   0.023    1.16       0
      2      62    1.65   0.073       0       0       0
               0       0       0
               2   0.073   0.023    1.16       0
      3      28     1.7   0.211       0       0       0
               0       0       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
```

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
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  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
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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

.484	4.280	4.280	4.280	4.250	4.250	4.120
.516	4.260	4.260	4.260	4.250	4.240	4.010
.548	3.890	3.890	3.870	3.820	3.820	3.730
.581	3.840	3.840	3.830	3.800	3.790	3.640
.613	3.810	3.810	3.810	3.790	3.780	3.640
.645	3.740	3.740	3.740	3.730	3.730	3.610
.677	3.650	3.650	3.640	3.630	3.620	3.430
.710	3.410	3.390	3.360	3.310	3.290	3.220
.742	3.190	3.190	3.190	3.180	3.180	3.110
.774	3.180	3.180	3.150	3.100	3.090	2.950
.806	2.880	2.880	2.870	2.850	2.840	2.660
.839	2.630	2.630	2.620	2.600	2.590	2.280
.871	2.210	2.210	2.210	2.190	2.180	1.870
.903	1.620	1.620	1.620	1.560	1.550	1.340
.935	1.070	1.060	1.010	1.000	1.000	.867
.968	.798	.798	.792	.745	.711	.329
1/10	4.661	4.661	4.640	4.602	4.582	4.429

NC Tobacco

PORE WATER OUTPUT

NC Tobacco

PORE WATER DISSOLVED CONCENTRATION (PPB)

YEAR	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
1961	.002	.002	.002	.002	.002	.001
1962	.008	.008	.008	.007	.006	.004
1963	.013	.013	.013	.013	.011	.009
1964	.019	.019	.018	.018	.018	.014
1965	.019	.019	.019	.019	.019	.019
1966	.020	.020	.020	.020	.020	.019
1967	.020	.020	.020	.020	.020	.020
1968	.022	.022	.022	.022	.021	.020
1969	.025	.025	.025	.025	.024	.022
1970	.024	.024	.024	.024	.024	.024
1971	.027	.027	.027	.027	.027	.025
1972	.030	.030	.029	.029	.029	.027
1973	.030	.030	.030	.030	.030	.029
1974	.030	.030	.030	.030	.030	.029
1975	.031	.031	.031	.031	.030	.029
1976	.031	.031	.031	.031	.031	.030
1977	.032	.032	.032	.032	.032	.031
1978	.033	.033	.032	.032	.032	.032
1979	.033	.033	.033	.033	.033	.032
1980	.033	.033	.033	.033	.033	.032
1981	.033	.033	.032	.032	.032	.031
1982	.033	.033	.033	.033	.033	.032
1983	.033	.033	.033	.032	.032	.031
1984	.033	.033	.033	.033	.033	.033
1985	.033	.033	.033	.032	.032	.032
1986	.034	.034	.034	.034	.034	.032
1987	.034	.034	.034	.034	.034	.033
1988	.033	.033	.033	.033	.033	.033
1989	.033	.033	.033	.033	.033	.033
1990	.033	.033	.033	.033	.033	.032

SORTED FOR PLOTTING

PROB	PEAK	96 HOUR	21 DAY	60 DAY	90 DAY	YEARLY
.032	.034	.034	.034	.034	.034	.033

.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