Introdução ao Sistema DSSAT

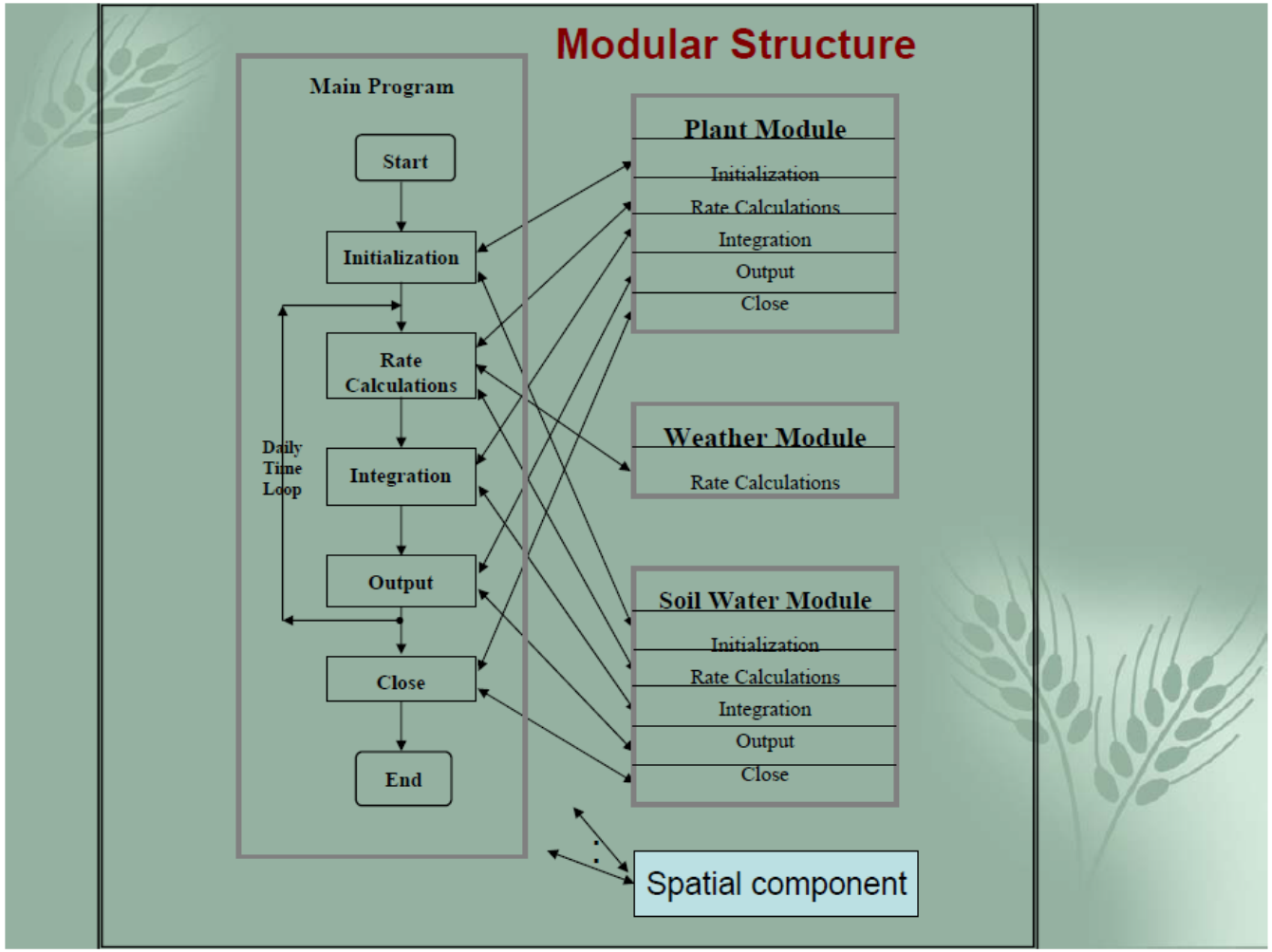
1100222 e LEB5048

Modelagem do crescimento de culturas

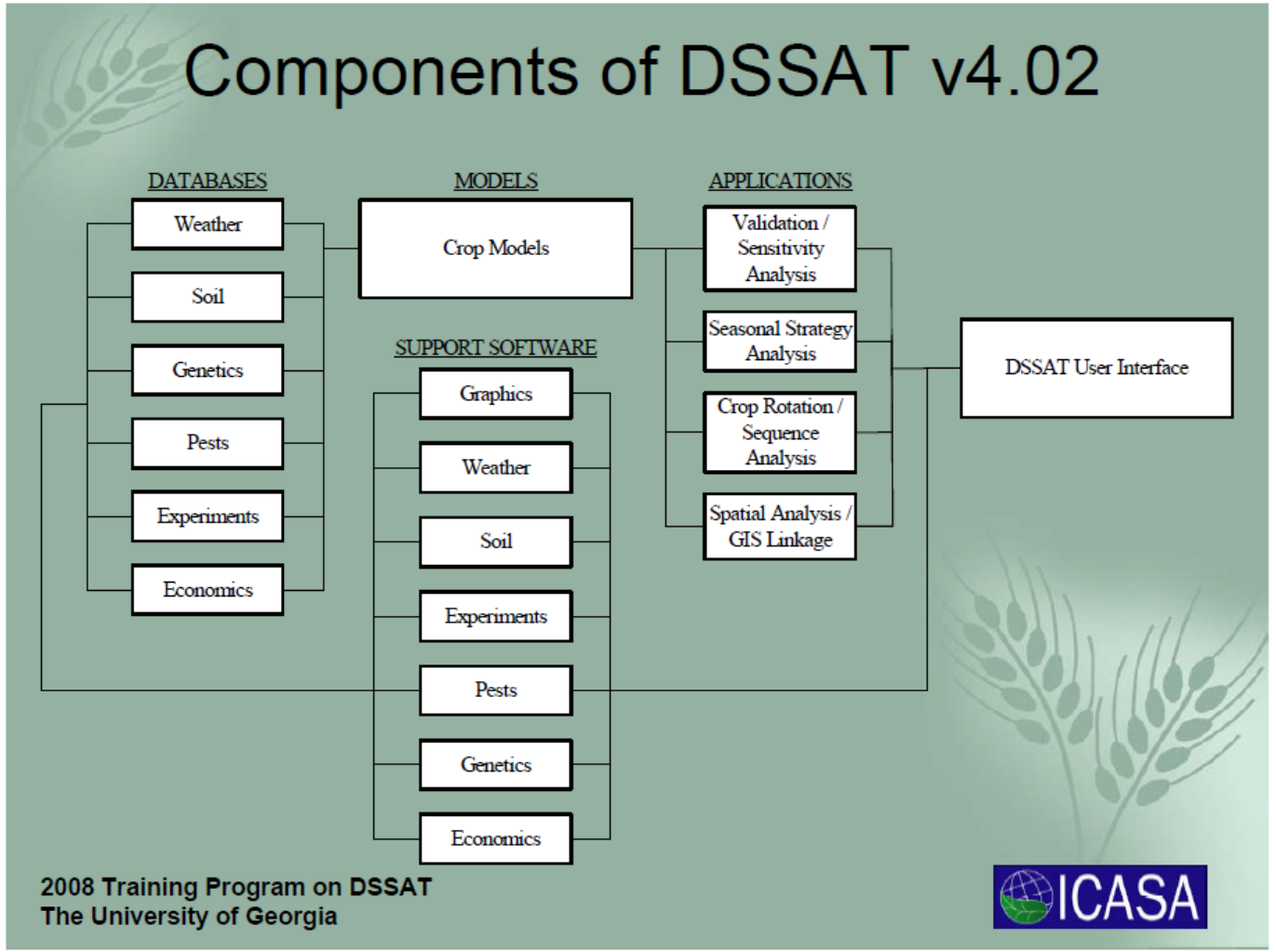
Prof Fábio R Marin

Prof Quirijn de Jong van Lier

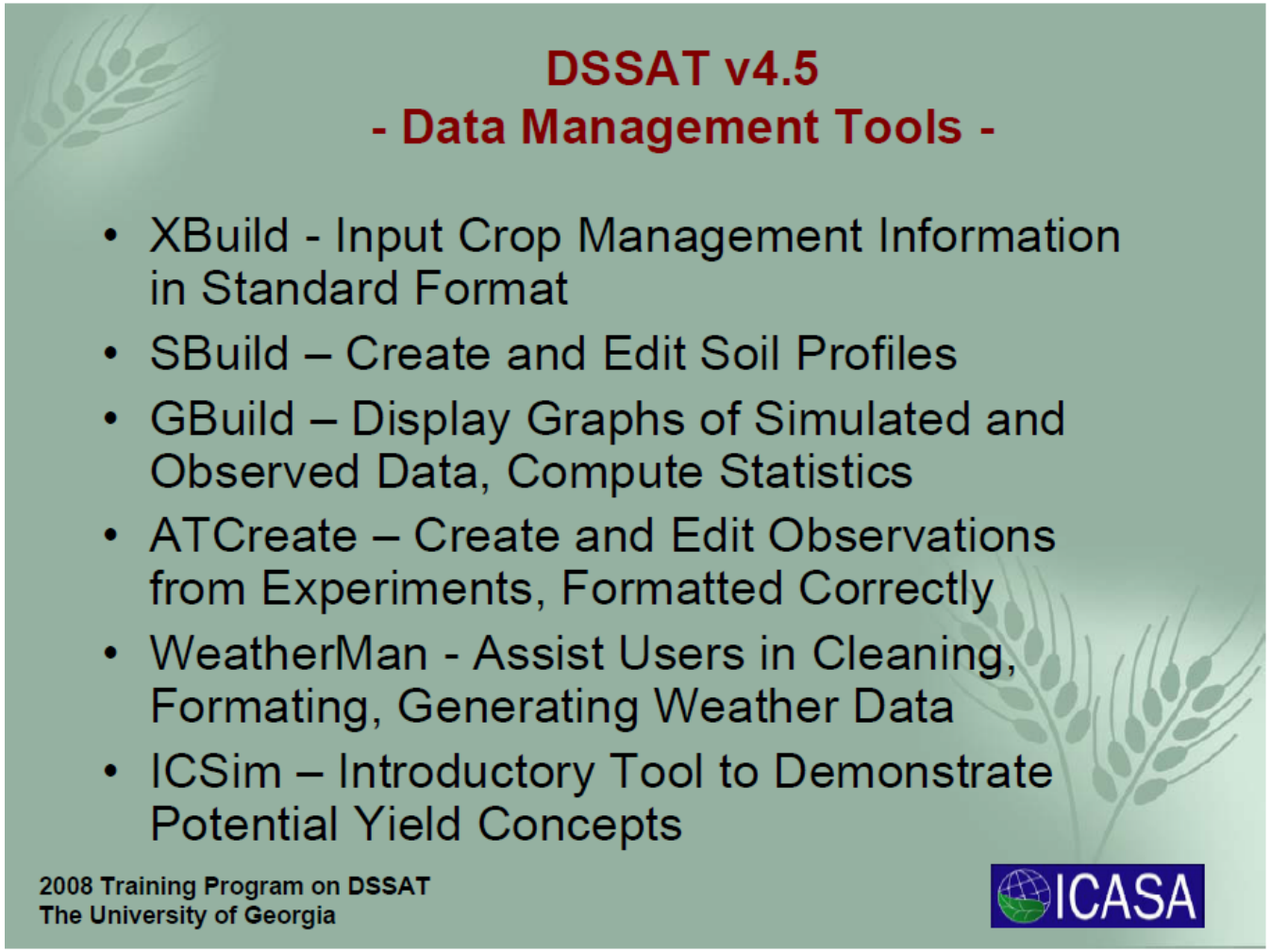
Estrutura do DSSAT



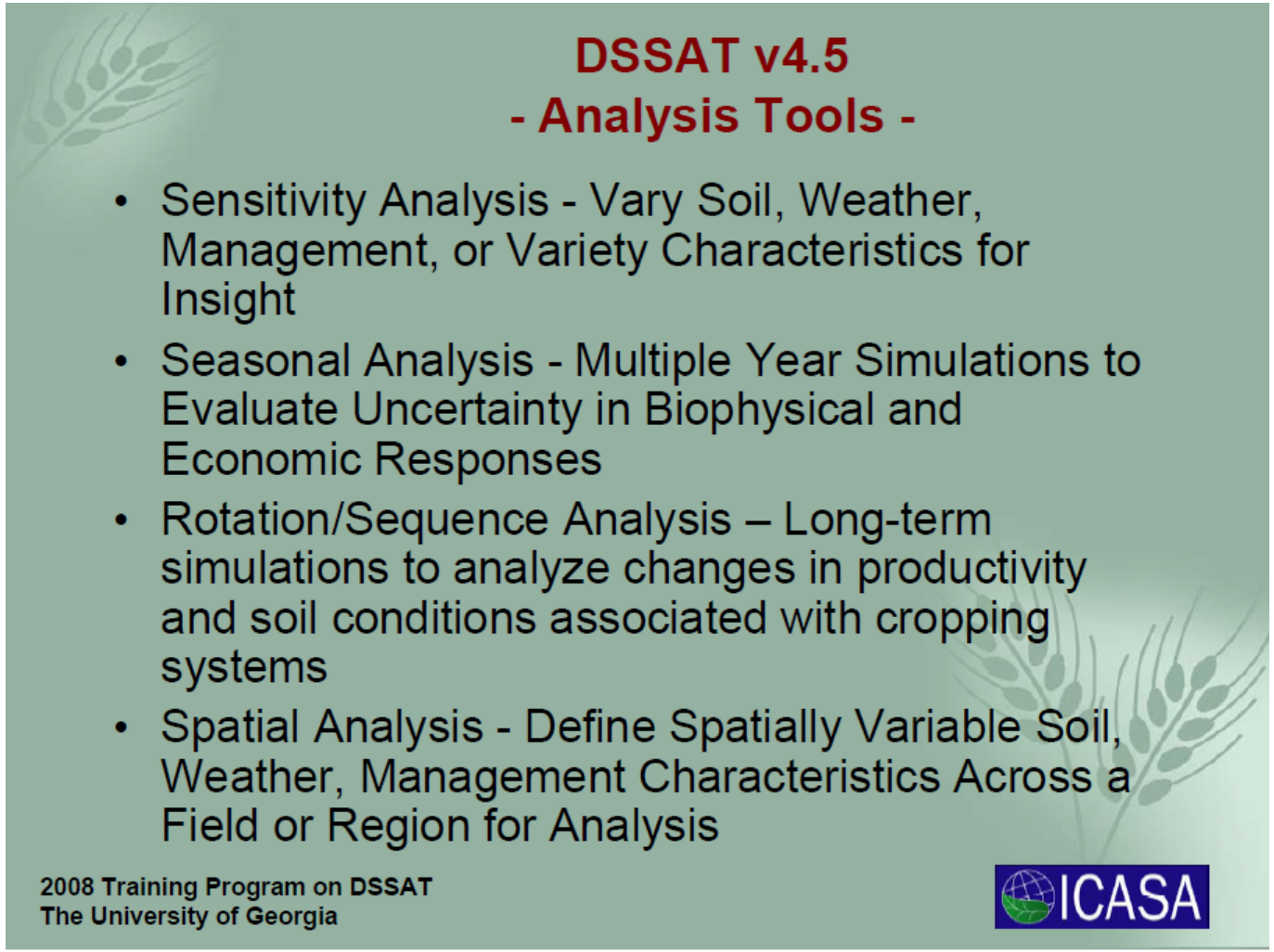
Componentes do DSSAT



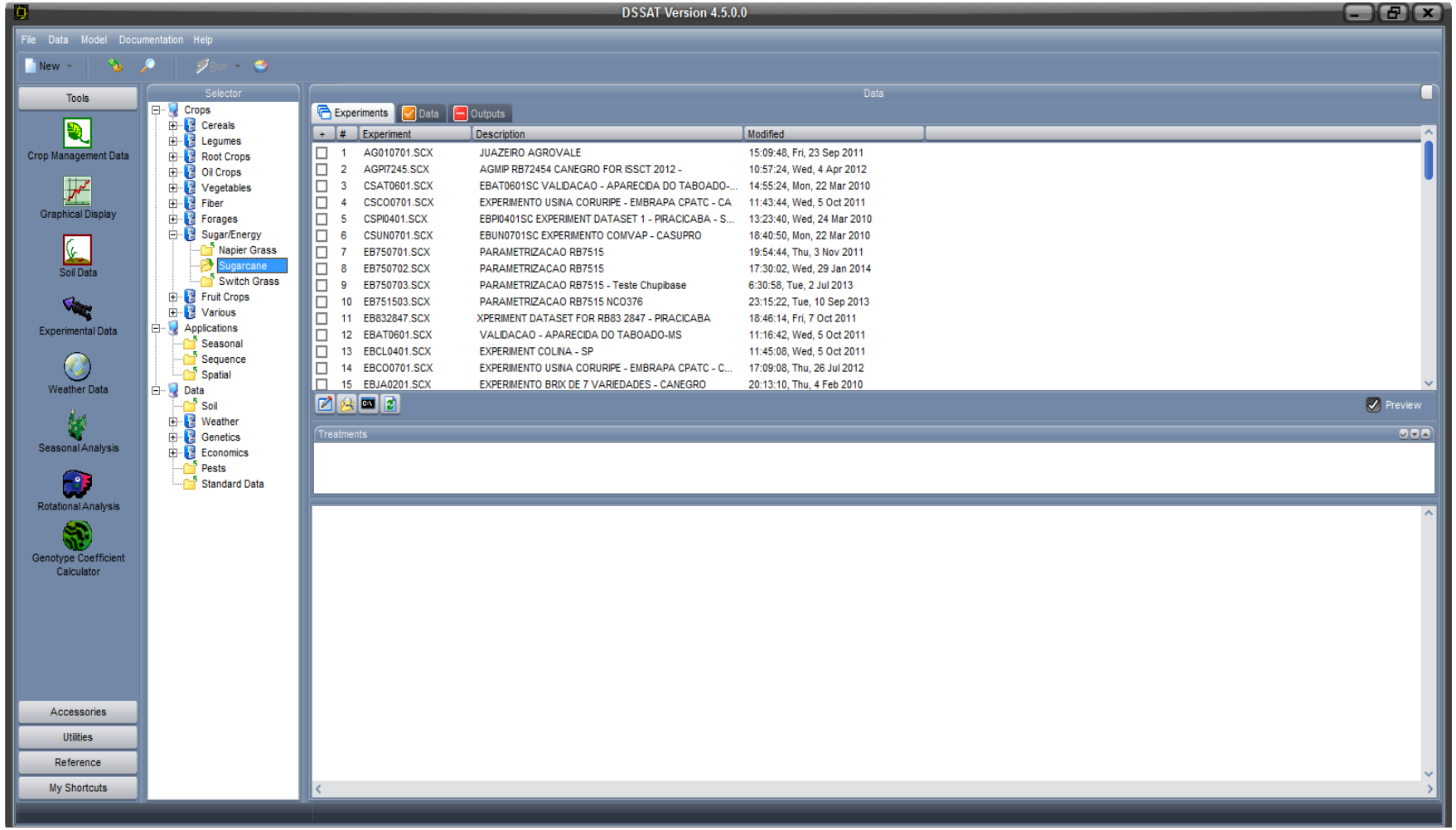
Ferramentas do DSSAT



Ferramentas do DSSAT



Interface do DSSAT



Soil Variables

```
*EBMZ850001  SCS          -99     300 LATOSSOLO VERMELHO AMARELLO
@SITE        COUNTRY          LAT     LONG SCS FAMILY
 CPAC        BRASIL         -15.59   -47.7 CLAYEY, OXIDIC, ISOTHERMIC ANIONIC ACRUSTOX
@ SCOM  SALB  SLU1  SLDR  SLRO  SLNF  SLPF  SMHB  SMPX  SMKE
    RY   .14   7.1    .5    76     1     1 IB001 IB001 IB001
@  SLB  SLMH  SLLL  SDUL  SSAT  SRGF  SSKS  SBDM  SLOC  SLCL  SLSI  SLCF  SLNI  SLHW  SLHB  SCEC  SADC
    15   -99  .191  .349  .389     1   -99   .93  1.81   -99   -99   -99   -99   5.9   -99   -99     0
    30   -99  .237  .339  .367    .2   -99  1.03  1.45   -99   -99   -99   -99   5.3   -99   -99     0
    45   -99   .25  .329  .371    .2   -99  1.01   1.2   -99   -99   -99   -99   5.2   -99   -99     0
    60   -99  .256  .329  .385    .2   -99   .95  1.03   -99   -99   -99   -99   4.8   -99   -99    .4
    75   -99  .263  .327  .389    .2   -99   .93   .81   -99   -99   -99   -99   4.5   -99   -99    .8
    90   -99  .266   .32  .394    .2   -99   .91   .76   -99   -99   -99   -99   4.7   -99   -99     1
   300   -99  .266   .32  .394    .2   -99   .91   .76   -99   -99   -99   -99   4.7   -99   -99     1
```

Pasta c:\dssat46\soil\

Weather files

```
*WEATHER DATA : Clanton, Alabama

@ INSI      LAT     LONG  ELEV   TAV   AMP REFHT WNDHT
  ALCL   32.480  -86.380   185  16.5  10.3  1.00  1.00
@DATE  SRAD  TMAX  TMIN  RAIN
56001   8.2   9.0  -9.0   0.0
56002  12.9  14.0  -8.0   0.0
56003  11.8  16.0   1.0   0.0
56004  14.9  19.0   0.0   0.0
56005  15.0  14.0  -6.0   0.0
56006  15.0  20.0  -5.0   0.0
56007  15.1  22.0   2.0   0.0
56008  14.9  13.0  -4.0   0.0
56009   6.1   8.0  -5.0   0.0
56010   8.1   8.0  -5.0   0.0
56011  13.6   8.0  -4.0   0.0
56012  15.4   8.0   2.0   0.0
```

Apresentação das ferramentas

- Soil
- Weather
- Genetics
- xBuild