**N Track Modeling Overall Help**

Almost all documents for the project can be found at <http://rsetserver.sws.uiuc.edu/docs/documentation.htm> under Soil N Tracking.

**Weather Data:**

Weather data information from NWS for the automatic use in the final simulation can be found in “NWS Data Downloading and Processing Documentation(Revised by Xiufen Cui on 2015/07/14)”, “NWS code(Revised by Xiufen Cui on 2015/07/14)”, and “How to Process NWS Data(Created by Xiufen Cui on 2015/07/26)”.

For model calibration, some weather and soil data measured in some Illinois Weather stations can be found in <http://www.isws.illinois.edu/warm/datalist.asp?site=CMI>.

The weather data file format required by the DSSAT simulation is described in “DSSAT Input Weather Data Format”.

**Soil Data:**

“USDA Soil Data Extraction” and “IL\_Soil\_Data\_Base\_Das.txt” contain the information about how to obtain the data, data file description and Illinois soil data.

The soil data file format required by the DSSAT simulation is described in “DSSAT Input Soil Data Format”.

**Experimental Data and Model Running:**

“DSSAT FileX Format” describes the experimental file format required by the DSSAT simulation.

“Running DSSAT Maize” contains the process and steps for running the DSSAT simulation. You should read this file first before you any other file.

**DSSAT Simulation Output and Result Comparison with Measured Data:**

The output file of a DSSAT simulation is explained in “Variables in Soil Inorganic Nitrogen Daily Output File”. The output file name and location information can be found in “Running DSSAT Maize”.

“Comparisons of measured and simulated N” contains the examples for processing the measured and simulated data and making comparisons between them.

**Some other Excel files** are saved in U:\N Tracking Project. These files show some examples for processing the simulated and measured data.