2) Data Formats

Creation date: 2016
Category: Agriculture
Model type: Theory Guided

Cycles

Cycles simulates the productivity and the water,carbon and nitrogen balance of soil-crop systems subject to climate conditions and a large array of management constraints. Overall the model is set up to be daily. Some processes such as water balance are temporally nested (subdaily)

- **Authors:** Armen Kemanian
- **Publisher:** The Pennsylvania State University

Select a configuration
Cycles configuration (v0.9.4) exposing weed fraction and fertilizer rate

Select a configuration setup
Cycles calibrated model (v0.9.4) for the Pongo region with planting dates. Weather file can be c

Overview | Parameters and Files | Variables | Assumptions | Compatible Software | Technical Information

Output files

Name	Description
cycles_outputs	Cycles season configuration file
cycles_crop	Cycles crop output file
cycles_nitrogen	Nitrogen file. Results in this file are for the sum of all layers in the soil profile, i
cycles_water	Cycles water file
cycles_weatherOutput	Cycles weather output file
cycles_season	The season.dat file provides information about each crop harvest.
cycles_soilProfile	Results in this file are for the sum of all layers in the soil profile, including surf
cycles_som	Cycles annual SOM file. This file provides annualized measurements of the ca ratio by soil layer. One column will be created for each layer in the soil profile heading indicates LAYER 1..x
cycles_summary	The summary file provides a summarized output of total C inputs over the du annual rates for N cycling processes.