

TODO

Friday, February 15, 2013 11:17 AM

Item	Priority	Done
Need to move bulk density from root and temperature inputs and put it in the soil file with particle size information	H	3/2014
Move heat mover parameter information to water mover (water folder) - this with the above will allow us to remove the temperature file		3/2014
Root information should go into the plant variety file This will allow us to remove the root file	H	3/2014
Use a flag to dynamically determine if hourly or daily weather data are used	H	10/2013
Simulate root density from germination	M	Done in 2017
The solute file info can be put into the water file as well this will allow us to remove the solute file. (I'm not sure how important this is right now, might be OK as is)	M	
Number of layers should be removed from solute file (If we keep it).	H	
The Nitrogen and biology files can be combined since they both address nitrogen and organic matter		
SoluteNitrogen file contains coefficients that define the nitrogen uptake and N dispersion. The dispersion parameter can go into the solute file since it is the same value in both files (related to N only). This is low priority now - it is not really a plant parameter and not soil parameter - it is just specific t uptake.	L	
As related to above, we have to make sure all layer information is read at the same time. The soil related things are read in the setmat subroutine. Putting it all together would break some issues of modularity. I have to think about this a bit. Modularity may not be that much of an issue as the program now would not likely be broken down to modules for modification.	H	5/2014
Need to make the management file more transparent for units - read as kg/ha and do calculations internally	M	
Move autoirrigate to management file (Should come up with strategy for this first)	M	
Row spacing should only come from initials file, not nitrogen file	M	
Need to put irrigation in the management file. Have to work out a method to separate from Nitrogen and add other components such as P and K		
Move carbon pool to shoot and use for roots until consumed.		Done?
Move all photosynthesis variety parameters to file species and variety		
Separate root and plant water potential.		
Move PredawnLWP to weather structure		8/2018
nodalUnit[0].get_leaf()->set_TotalGrowingLeaves(TotalGrowingLeaves); move variable and function to root of object		
Added a drip irrigation routing - necessitated adding a new input file.		
Added a new output variable to G01 file - number of mature leaves		2018
Added commas to output files - so they could be read in as csv files for our interface		2018
Modified the potential length of leaf calculation to increase the size of leaves above the biggest leaf. They were being underpredicted based on data from Beltsville. For ranks above the maximum, I used the rank of the leaf below the current leaf for the calculations.		2018
Removed dead leaves from calculations for respiration maintRespiration = q10fn*maintCoeff*((mass-droppedLeafmass))*dt		2016
Updated or added comments in a number of locations		