Using SnapPlus for Nutrient Management



What is SnapPlus?

- Wisconsin's nutrient management planning software
 - Free download available
 - Lots of training opportunities and tools available

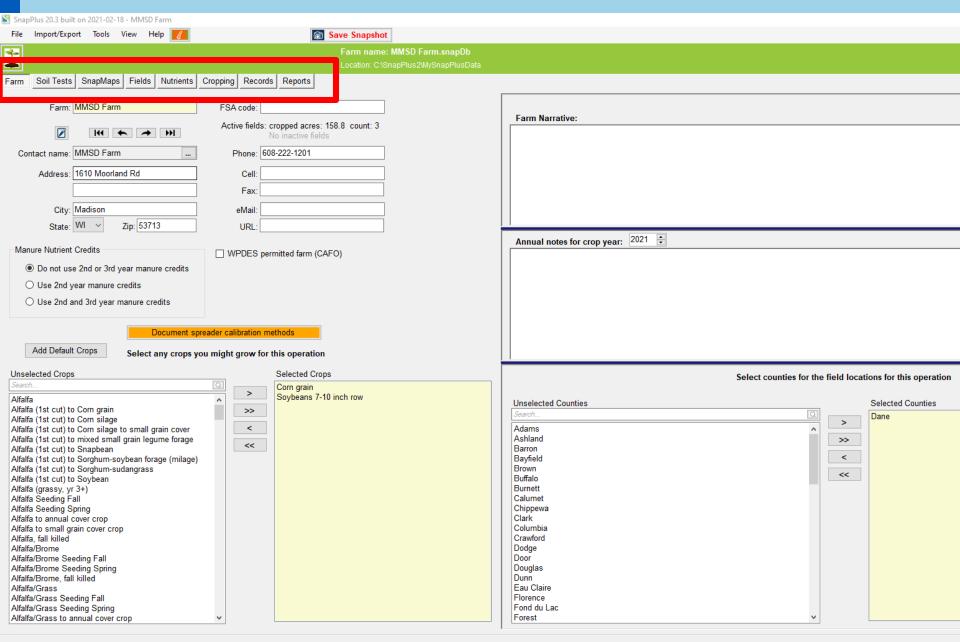
What is SnapPlus?

- SnapPlus calculates:
 - Crop nutrient recommendations
 - Calculates nutrient credits from biosolids and septage
 - Soil loss
 - Rotational phosphorus index
 - Rotational phosphorus balance

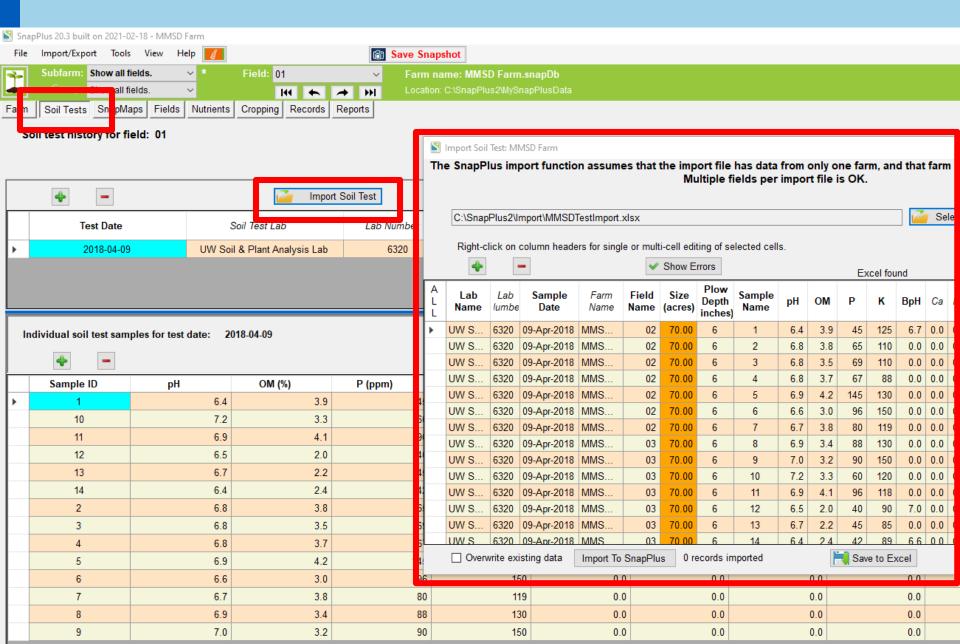
Why use SnapPlus?

- To manage biosolids and septage as a fertilizer
- Assess fields and determine options for improvement within your application system
 - Reduce nutrient runoff potential
 - Reduce soil loss
 - Work with adaptive management and P trading, not against it

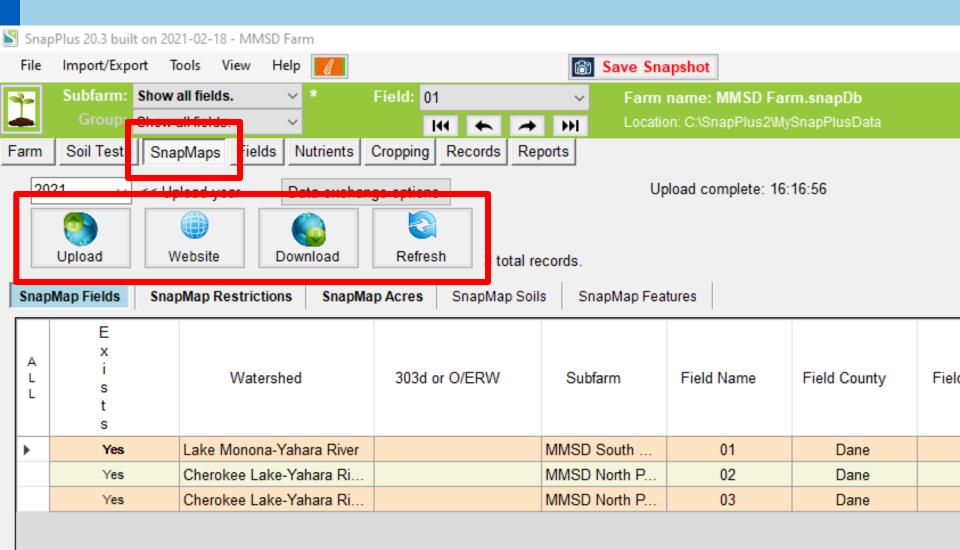
- Overview Farm Screen
 - Enter farm basics
 - Crops grown
 - County
 - What is a 'farm'?
 - Can be by farm operator
 - If a small WWTP, can have all 'subfarms' under one 'farm'

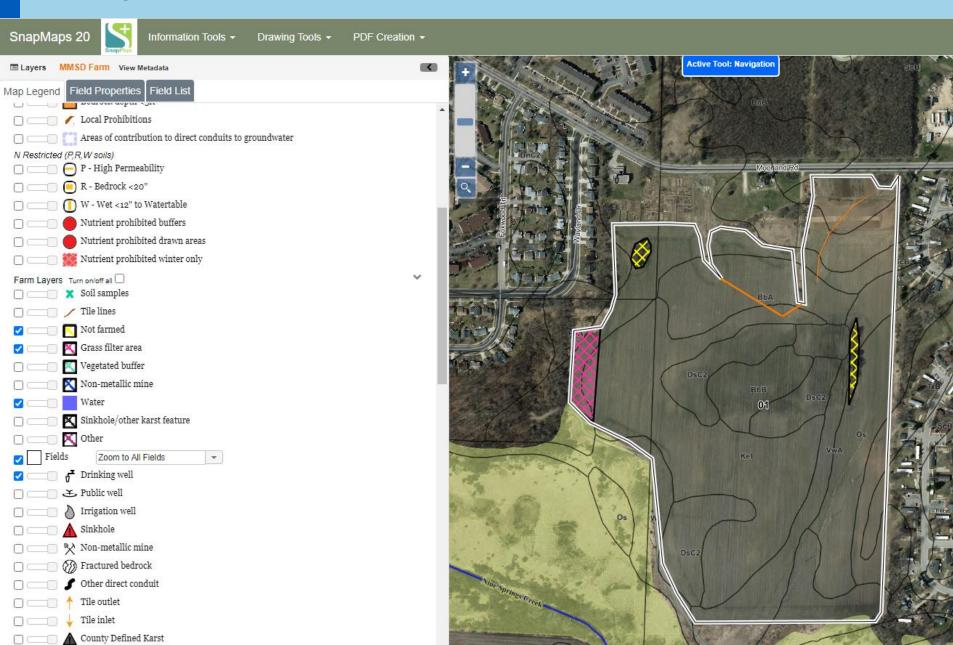


- Soil test entry
 - DATCP approved lab for sample analysis
 - Provide SnapPlus compatible document for uploading
 - Uploading soil tests provides field numbers that will be used in SnapMaps

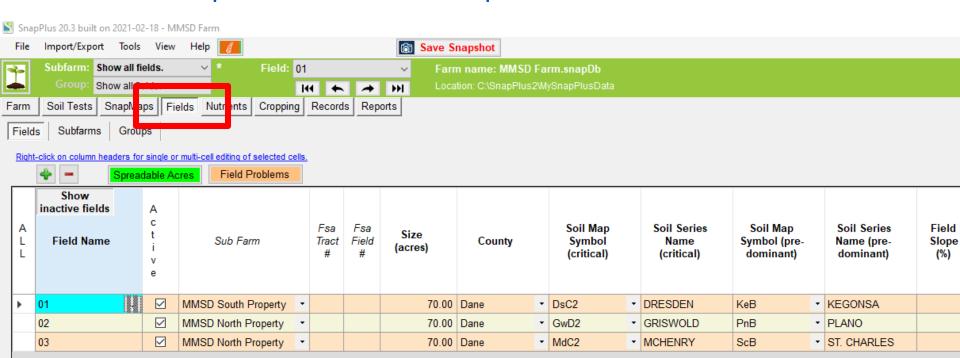


- SnapMaps
 - Online mapping tool that's connected to SnapPlus
 - Shows spreading restrictions
 - Water bodies
 - Restrictive soils
 - Community wells
 - Biosolids or septage layers not included at this time





- Field screen
 - Once SnapMaps info in downloaded back to SnapPlus
 - Verify information
 - Import information -> updates field screen



- Nutrients
 - Built in calculator to convert biosolids and septage analysis to agronomic numbers

The Metrogro Program

Spring 2020 Metrogro Analysis per 1,000 gallons:

$$N-P-K$$

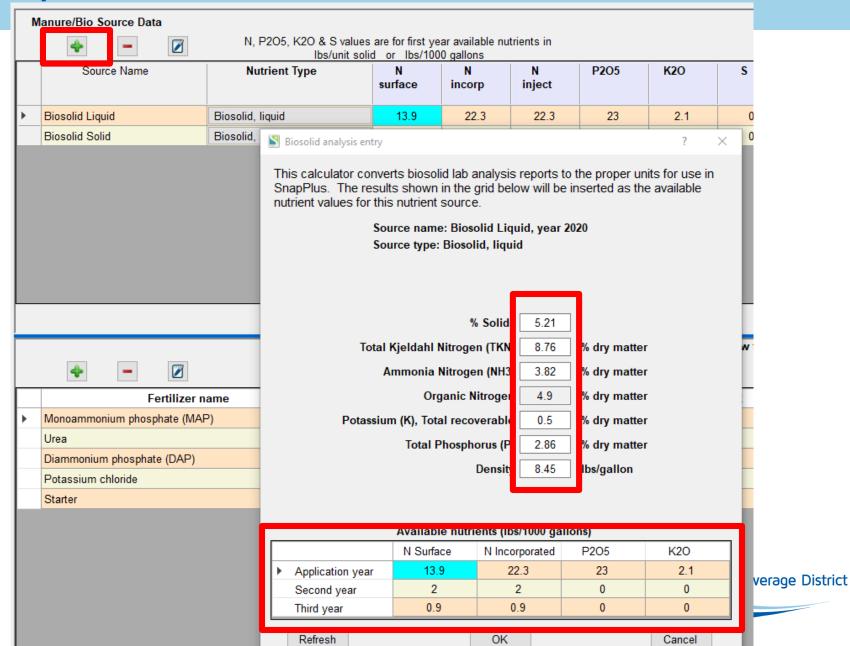
$$22.3 - 23.0 - 2.1$$

If using SnapPlus as your planning tool, you will need the following information:

| % Solids | 5.21 |
|----------|------|
| TKN | 8.76 |
| NH3 | 3.82 |
| K | 0.50 |
| Total P | 2.86 |
| Density | 8.45 |

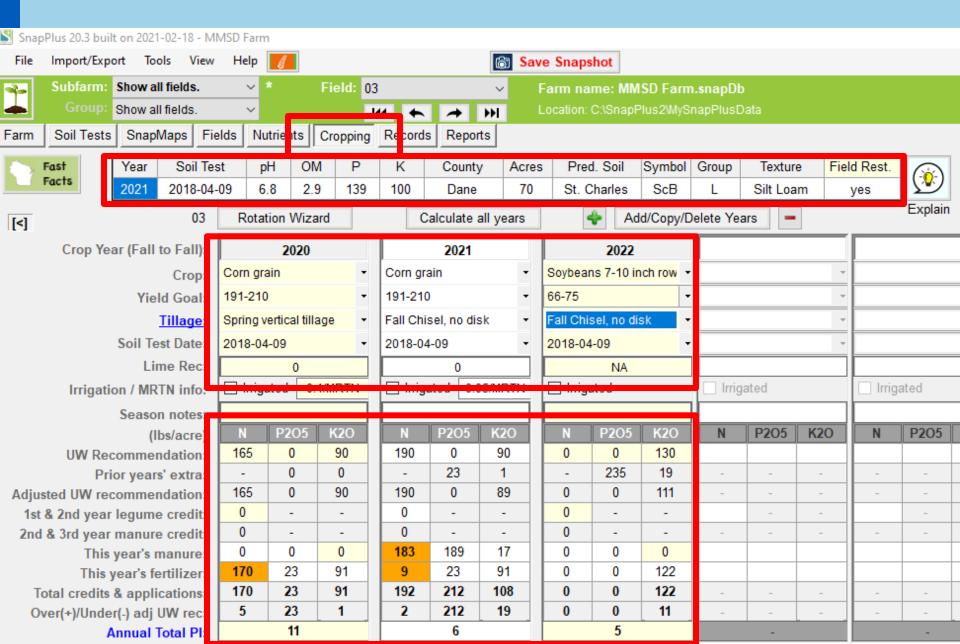
Note about SnapPlus:

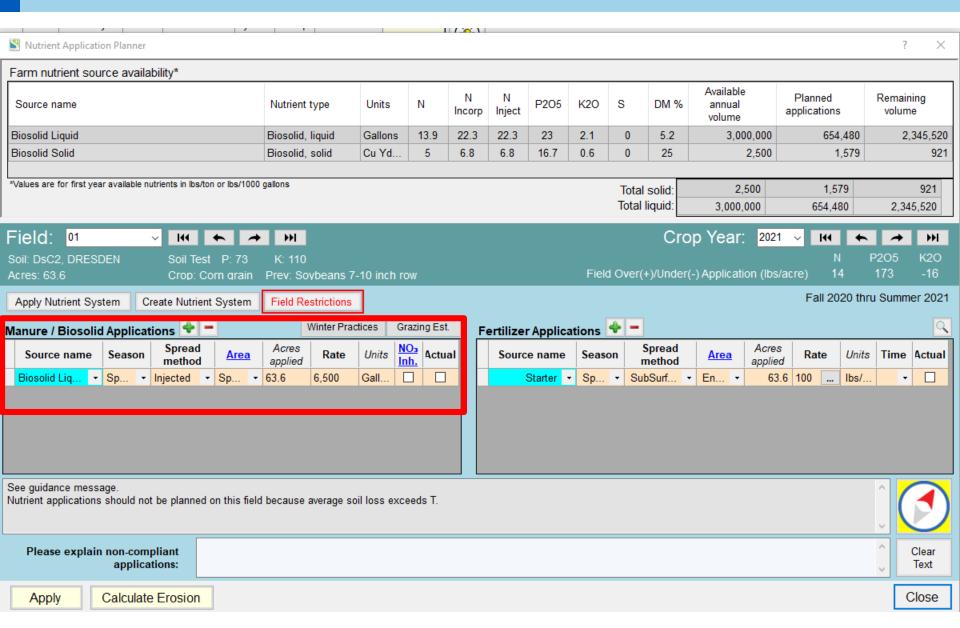
Make sure the MRTN (maximum return to nitrogen) rate is set to 0.05. The program typically defaults to a higher MRTN rate, which assumes you are paying the going rate for nitrogen. Since the nitrogen applied through a Metrogro application is free to the farmer, use the 0.05 MRTN rate to allow maximum nitrogen application. More information on this topic can be found at Madison Metropolitan Sewerage District https://uwlab.soils.wisc.edu/pubs/mrtn

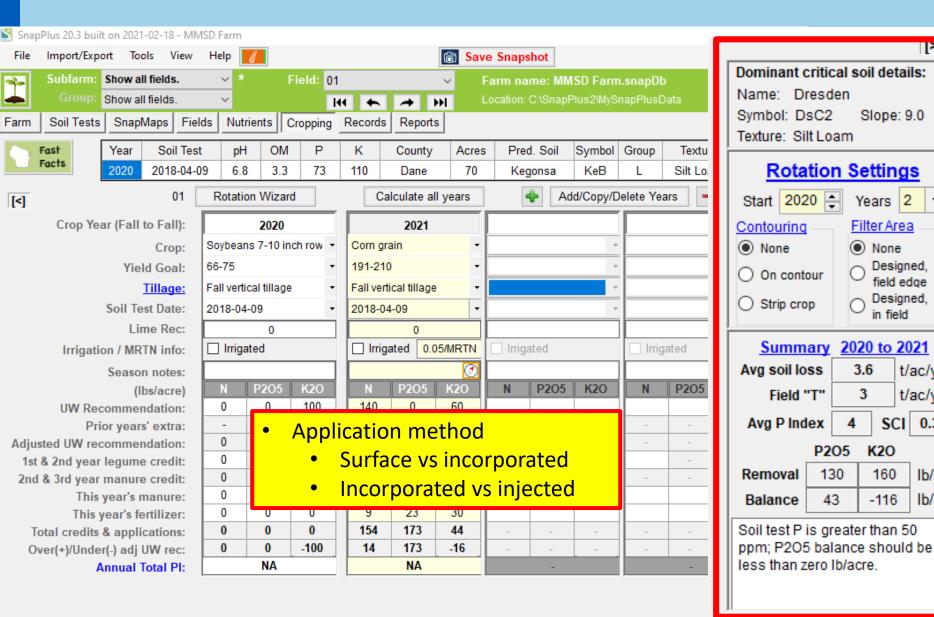




- Cropping screen
 - All the screens up to this point feed into the cropping screen
 - Soil tests
 - Field information
 - Nutrients







|>|

Slope: 9.0

None

Designed,

field edae

Designed,

t/ac/yr

t/ac/yr

0.3

lb/ac

lb/ac

in field

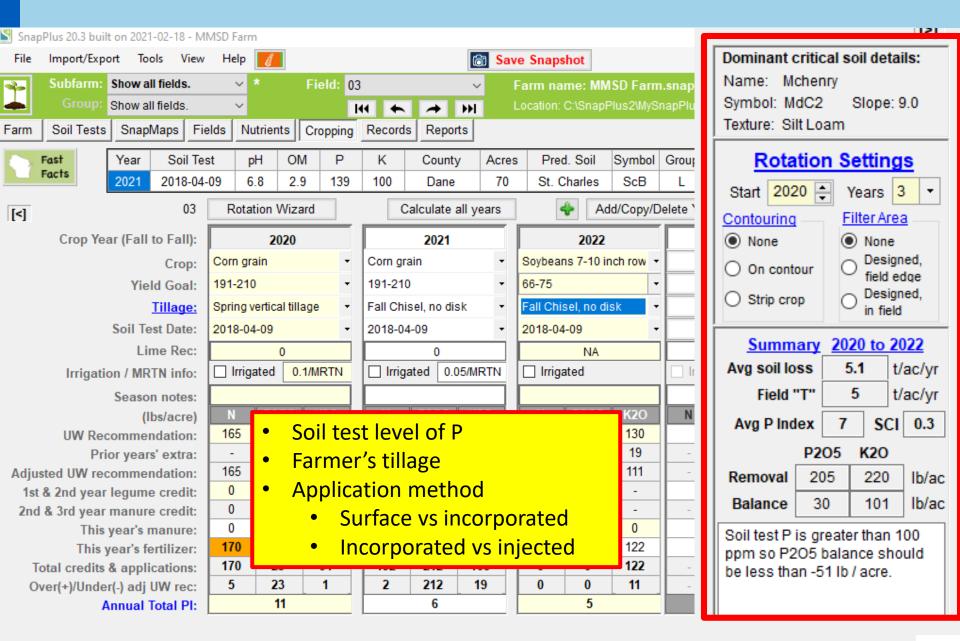
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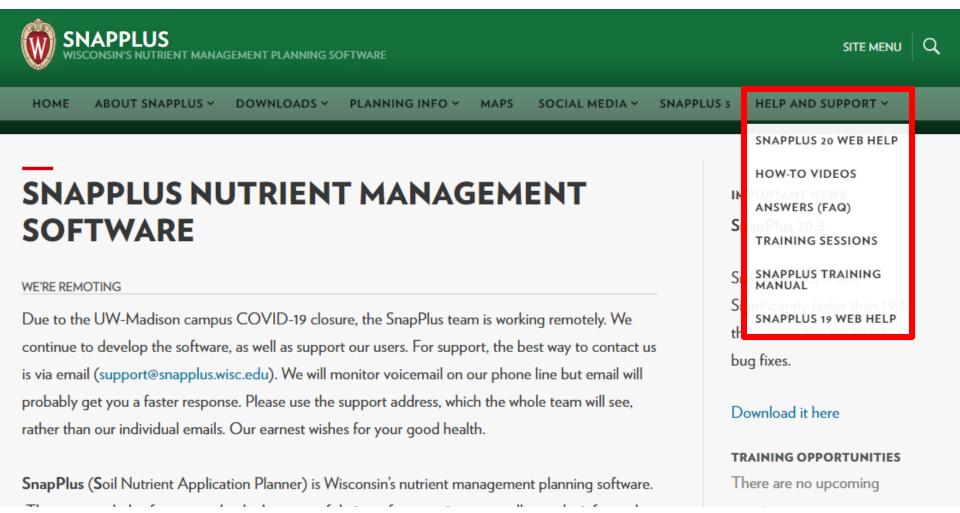
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- Records Tab
 - Import excel spreading log
- Reports Tab
 - Can create Adaptive Management or P Trading reports

www.snapplus.wisc.edu





Questions?

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