## SnapPlus V3 Training

## Overview

* **10:00-11:00am**
	+ Introductions/Welcome
	+ Section 1: Getting Started (Includes Home Page)
	+ Section 2: Farm page
	+ Section 3: Fields Page Part I (Soil Tests, Maps and Field Restrictions)
	+ Section 4: Fields Page Part II (Overview, Land Attributes)
* **11:00-11:10am Break**
* **11:10am – 12:15pm**
	+ Section 5: Nutrients Page
	+ Section 6: Management Page (Cropping sequences, rotations)
	+ Section 7: Nutrient Application Planner
* **12:15-12:45pm Lunch**
* **12:45-1:45pm**
	+ Section 8: Reports & Turning In & Archive
	+ Section 9: Conversion & Annual Updates
	+ Section 10: Managing Data & Access
* **1:45-2:30pm**
	+ Q & A
	+ Individual work time

## Section 1: Getting Started

* Download the files you need for today here: <https://go.wisc.edu/78njv6>
* Access SnapPlus V3 online: <https://v3.snapplus.wisc.edu> (this is the correct URL to bookmark)

## Section 2: Farm Page

* Crops to add:
	+ Alfalfa
	+ Alfalfa seeding
	+ Corn grain
	+ Corn silage
	+ Cover crop Oct plant over-winter – not harvested
	+ Cover crop Sept plant over-winter – not harvested
	+ Cover crop annual – not harvested
	+ Soybeans 15-20 inch row
	+ Wheat winter grain and straw
* County selection:
	+ Manitowoc County and Columbia County
* Farm Settings
	+ Manure credits: Use 2nd year manure N credits
	+ P Management strategies: P Index
* Crop Year Settings
	+ Application rate calculation method: Equipment calibration

## Section 3: Fields Page – Soil Tests, Maps & Restrictions

* Upload soil tests
	+ Import *SoilTests.csv* file
	+ Go to “Soil Tests” tab to view the soil tests and averages for each field
* Maps
	+ Upload shapefiles 
		- Feature type – Fields
		- Checkbox - Created in SnapMaps, select V3
		- Overlap check – On
		- Select Zipped Shapefile (*Fields(2).zip)*
	+ Add some private wells by hand and a concentrated flow channel
	+ Draw a field boundary by hand
		- First use “search by address” to navigate to another location: N695 Hopkins Road, Town of Leeds, Wisconsin 53911, United States
		- Edit (pencil) panel, select field feature type
	+ How and when to dismiss a SWQMA

## Section 4: Fields Page – Overview and Attributes

* Overview Tab – see acres (cropping, manure spreadable, winter spreadable)
* Land Attributes Tab – see soil info, slope, slope length, etc.

## Section 5: Nutrients Page

* Confirm Crop Year 2025 is selected in top right corner
* + New Manure Source
	+ Name: Bedded pack
	+ Organic Nutrient Type: Dairy, Solid
	+ Available annual quantity: 800
* + New Manure Source
	+ Name: Pit1
	+ Organic Nutrient Type: Dairy, Liquid
	+ Available annual quantity: 400000
* With Pit1 row selected, click + New Manure Analysis (first one)
	+ Name: Fall 2023
	+ Analysis date: 11/01/2023

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N Surf | N Incorp | N Inject | P2O5 | K2O | S | DM |
| 6 | 8 | 10 | 6.4 | 12.8 | 0.7 | 3.9 |

* With Pit1 row selected, + New Manure Analysis (second one)
	+ Name: Spring 2024
	+ Analysis date: 05/01/2024

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N Surf | N Incorp | N Inject | P2O5 | K2O | S | DM |
| 5 | 7 | 9 | 5.7 | 10.2 | 0.5 | 3.4 |

* Livestock
	+ + Add Livestock, Dairy Heifer 1000 lb, 20 head, enter 50% collected solid, 50% liquid
* Fertilizers
	+ + Add Standard Fertilizer
		- DAP, Potassium Chloride, Liquid 9-18-9
* Grazing Tab
	+ + New Grazing Schedule and name it
	+ + Add Animals, May-October, Dairy Heifer 1000 lb, 20 animals, 50% time on pasture

## Section 6: Management Page

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fields** | **Cal year** | **Plant Season** | **Crop** | **Yield** | **Tillage** |
| Field 1 | 2025 | April-May | Alfalfa seeding | 2.6-3.5 | Spring Chisel, disked |
| Field 1 | 2026 | Established | Alfalfa | 3.6-4.5 | None |
| Field 1 | 2027 | Established | Alfalfa | 3.6-4.5 | None |

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| --- | --- | --- | --- | --- | --- |
| **Fields** | **Cal year** | **Plant Season** | **Crop** | **Yield** | **Tillage** |
| Field 2 | 2025 | April-May | Corn silage | 25.1-30 tons | No Till |
| Field 2 | 2025 | Late Summer-Fall | Cover crop Sept plant… | 0 | No Till |
| Field 2 | 2026 | April-May | Soybeans 15-20 in row | 76-85 bu | No Till |
| Field 2 | 2027 | April-May | Corn silage | 25.1-30 tons | No Till |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fields** | **Cal year** | **Plant Season** | **Crop** | **Yield** | **Tillage** |
| Field 3 | 2025 | April-May | Corn silage | 30.1-35 bu | Spring chisel, disked |
| Field 3 | 2026 | April-May | Soybeans 15-20 in row | 76-85 bu | Spring chisel, disked |
| Field 3 \*\*Pop-up | 2026 | Late Summer-Fall | Wheat winter grain and straw | 61-80 bu | Chisel plow, disked |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Fields** | **Cal year** | **Plant Season** | **Crop** | **Yield** | **Tillage** |
| Field 4 | 2025 | April-May | Pasture grass seeding | 2-3 ton | No-till |
| Field 4 | 2026 | Established | Pasture grass (Rotational) | 3.1-4 ton | None |
| Field 4 | 2027 | Established | Pasture grass(Rotational) | 3.1-4 ton | None |

## Section 7: Nutrient Application Planner

* Field 2, select 2025 corn silage row
	+ + New Manure
		- Source: Pit1
		- Application Season: Late Summer-Fall
		- Method: Unincorporated
		- Rate: 15,000 \* gives compliance message
	+ “Available manure” pops up a table of manure applied by season, total, remaining.
		- Can resize, move, and keep this open while you navigate to other fields and apply manure
	+ + New Fertilizer
		- Season: Spring
		- Source: Potassium chloride
		- Method: Unincorporated
		- Rate: 200
	+ “Save Applications to System”
	+ Navigate to Field 3, apply the Nutrient System in 2025
* \*\*Need to set rotations on all fields\*\*

## Section 8: Reports

* NM2 Compliance Check> Start Year: 2025, End Year: 2025, Plan Year: 2025
* FM6 Soil Test Summary > Check “Short version only” and select Excel format
* NM1 Farm Overview (new, under construction)

## Section 9: V2 Database Conversion & Annual Updates

* Start on Home page
* Upload ”*Demo Dairy.snapDb”*
* Nutrients > Nutrient Systems
	+ + New System, name “spring MAP”: add Spring, MAP, unincorp 50 lb/acre
* Records and Updates > Update Crops
	+ Select Crop year 2024
	+ Filter to “Corn grain”, update these fields to Corn silage, Yield 25.1-30, No-Till
	+ Remove filter (X), then click “Confirm Crops” button
* Go to “Update applications”
	+ Filter to DAP
	+ Click Replace with System, replace displayed rows
	+ Apply spring MAP system created earlier

## Section 10: Data & Managing Access