## 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 A black arrows pointing up and down

    Description automatically generated
    - 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 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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