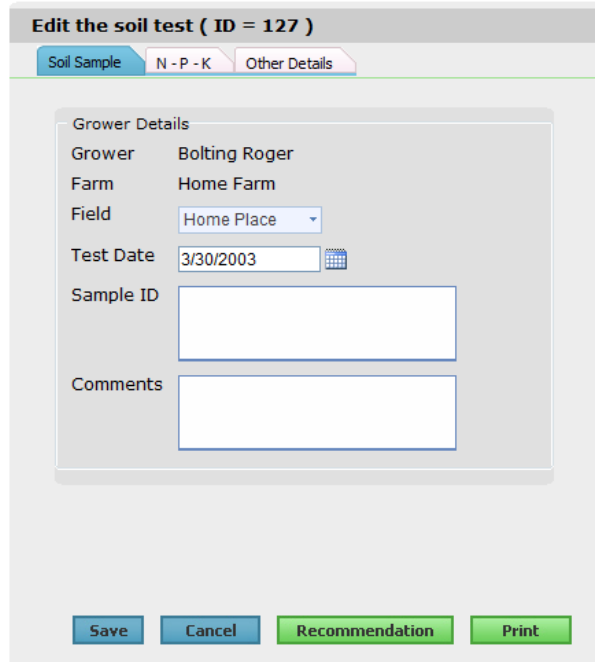


Understanding Soil Test Functionality

The following items can be located by navigating to: Soil Tests > Soil Test Editor.

Soil Test Editor is made up of three tabs:

- **Soil Sample Tab**
 - The **Soil Sample** tab contains data in the Grower > Farm > Field format.

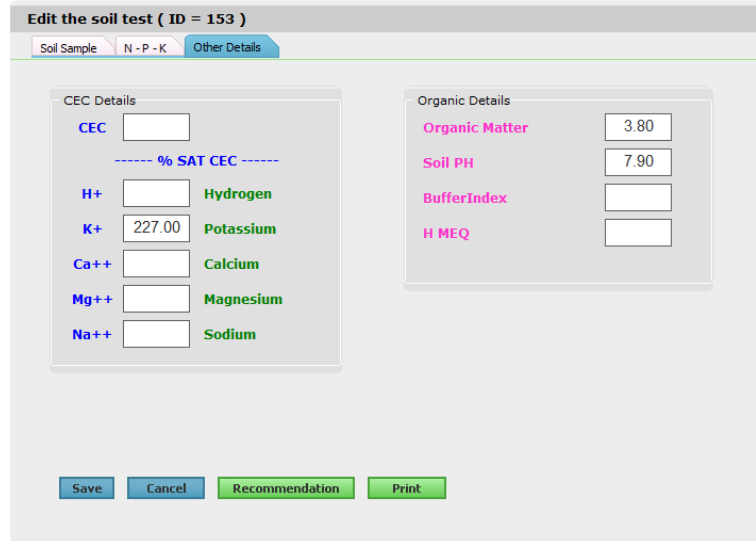


- **N-P-K Tab**
 - The **N-P-K** tab displays nutrient test results, plus soil moisture.



- **Other Details Tab**

- The **Other Details** tab displays CEC, Percent Base Saturation, Organic Matter, Soil PH, and Buffer PH



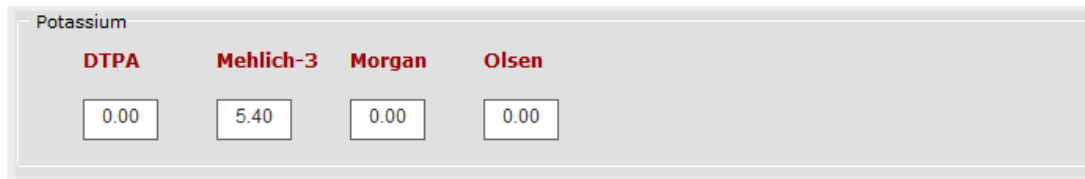
Soil Test Types

- **Phosphorus Soil Test Types**



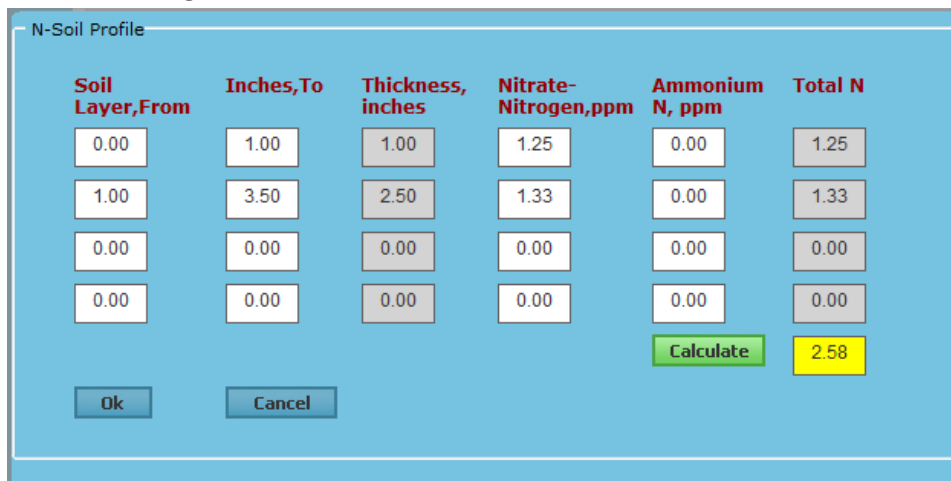
- Six soil test types are listed horizontally in alphabetical order
- Imported data must define the test type
- All soil test data is shown
- The test used to create recommendations is dependent upon the P fertilizer recommendation algorithm structure.

- **Potassium Soil Test Types**



- Four soil tests types are listed horizontally in alphabetical order
- Imported data must define the test type
- All soil test data is shown
- The test used to create recommendations is dependent upon the K fertilizer recommendation algorithm structure.

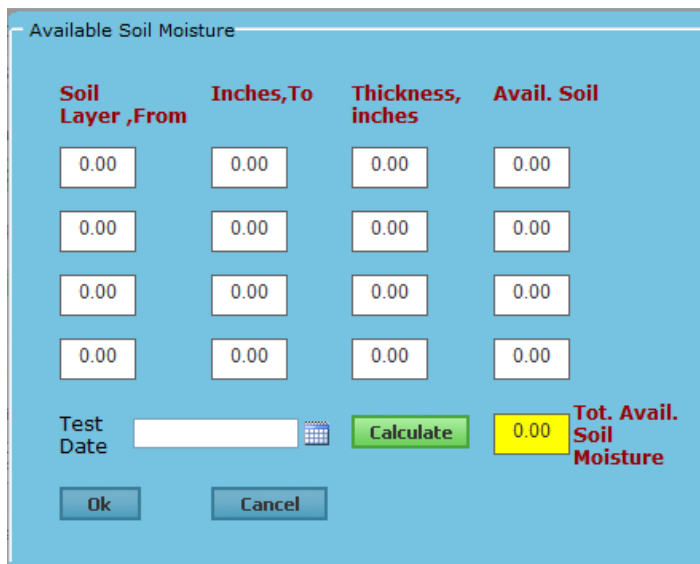
- **N Tests – Nitrogen in the Soil Profile**




Soil Layer, From	Inches, To	Thickness, inches	Nitrate-Nitrogen, ppm	Ammonium N, ppm	Total N
0.00	1.00	1.00	1.25	0.00	1.25
1.00	3.50	2.50	1.33	0.00	1.33
0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00
Calculate					2.58

- The database can hold up to four different test layers.
 - Layers can vary in depth
 - Location of each layer is imported from soil test labs
 - Each layer may contain N test data for Nitrate N and/or Ammonium N
 - Total N for each layer is equal to the sum of (Nitrate N)+(Ammonium N)
 - Total soil test N is shown in the yellow box, and is the sum of the Total N for all tested layers.

- **Available Soil Moisture Tests**

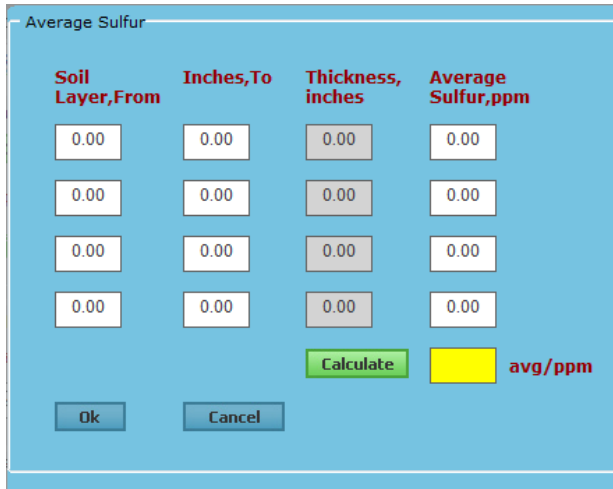


Soil Layer, From	Inches, To	Thickness, inches	Avail. Soil
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00

Test Date:  **Calculate** **0.00** **Tot. Avail. Soil Moisture**

- The database can hold up to four different test layers.
 - Layers can vary in depth.
 - Location of each stratum is imported from soil test labs.
 - Total Available Soil Moisture is shown in the yellow box and is the sum of the Available Soil Moisture for each stratum.

- **S Tests – Sulfur in the Soil Profile**



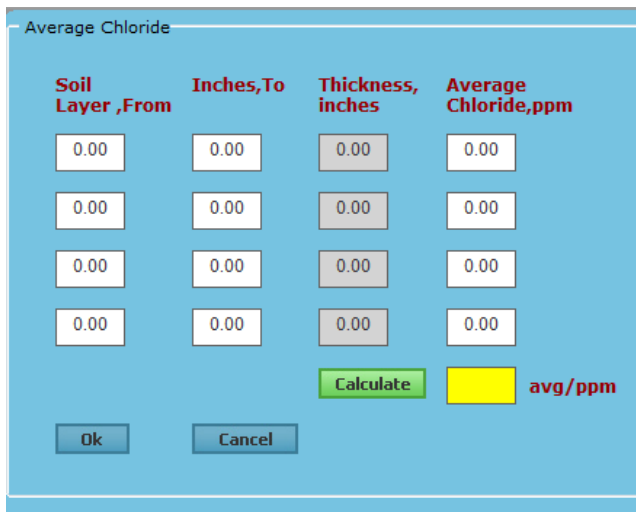
Soil Layer, From	Inches, To	Thickness, inches	Average Sulfur, ppm
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00

Calculate avg/ppm

Ok Cancel

- The database can hold up to four different layers.
 - Layers can vary in depth.
 - Location of each layer is imported from soil test labs.
 - The Average Soil Test S shown in the yellow box and is the calculated average PPM Sulfur across the depth of all layers.

- **Chloride Soil Tests – Chloride in the Soil Profile**



Soil Layer, From	Inches, To	Thickness, inches	Average Chloride, ppm
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00

Calculate avg/ppm

Ok Cancel

- The database can hold up to four different layers.
 - Layers can vary in depth.
 - Location of each layer is imported from soil test labs.
 - The Average Soil Test Chloride is shown in the yellow box and is the calculated average PPM Chloride across the total depth of all layers.