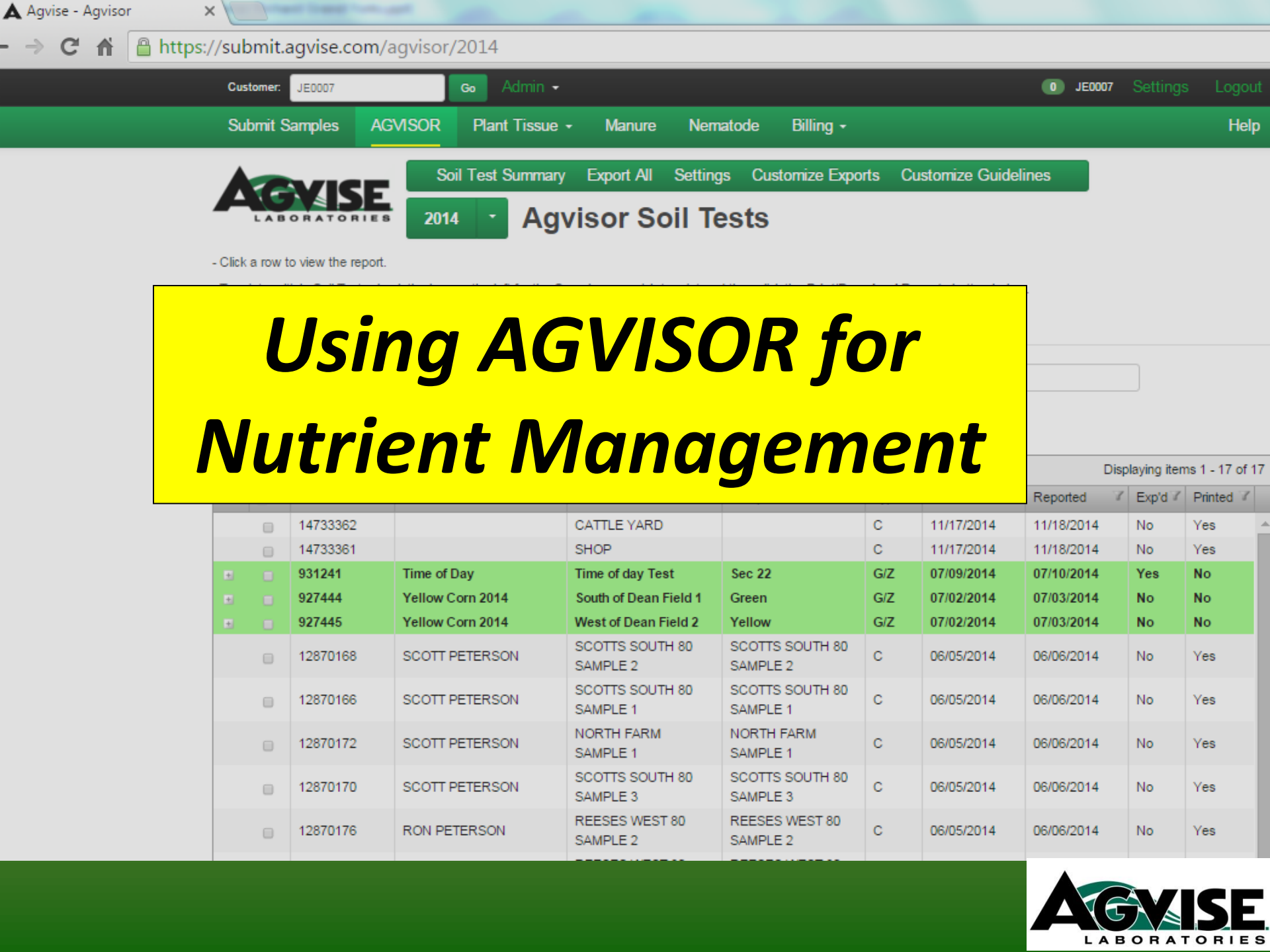
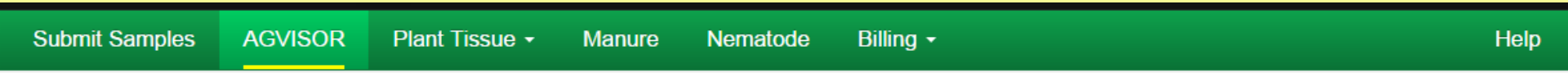

Agvise - Agvisor
https://submit.agvise.com/agvisor/2014
Customer: JE0007 Go Admin
0 JE0007 Settings Logout
Submit Samples AGVISOR Plant Tissue Manure Nematode Billing Help
AGVISE LABORATORIES
Soil Test Summary Export All Settings Customize Exports Customize Guidelines
2014
Agvisor Soil Tests
- Click a row to view the report.
Using AGVISOR for Nutrient Management
Displaying items 1 - 17 of 17
Reported Exp'd Printed
14733362 CATTLE YARD C 11/17/2014 11/18/2014 No Yes
14733361 SHOP C 11/17/2014 11/18/2014 No Yes
931241 Time of Day Time of day Test Sec 22 G/Z 07/09/2014 07/10/2014 Yes No
927444 Yellow Corn 2014 South of Dean Field 1 Green G/Z 07/02/2014 07/03/2014 No No
927445 Yellow Corn 2014 West of Dean Field 2 Yellow G/Z 07/02/2014 07/03/2014 No No
12870168 SCOTT PETERSON SCOTTS SOUTH 80 SAMPLE 2 SCOTTS SOUTH 80 SAMPLE 2 C 06/05/2014 06/06/2014 No Yes
12870166 SCOTT PETERSON SCOTTS SOUTH 80 SAMPLE 1 SCOTTS SOUTH 80 SAMPLE 1 C 06/05/2014 06/06/2014 No Yes
12870172 SCOTT PETERSON NORTH FARM SAMPLE 1 NORTH FARM SAMPLE 1 C 06/05/2014 06/06/2014 No Yes
12870170 SCOTT PETERSON SCOTTS SOUTH 80 SAMPLE 3 SCOTTS SOUTH 80 SAMPLE 3 C 06/05/2014 06/06/2014 No Yes
12870176 RON PETERSON REESES WEST 80 SAMPLE 2 REESES WEST 80 SAMPLE 2 C 06/05/2014 06/06/2014 No Yes
AGVISE LABORATORIES

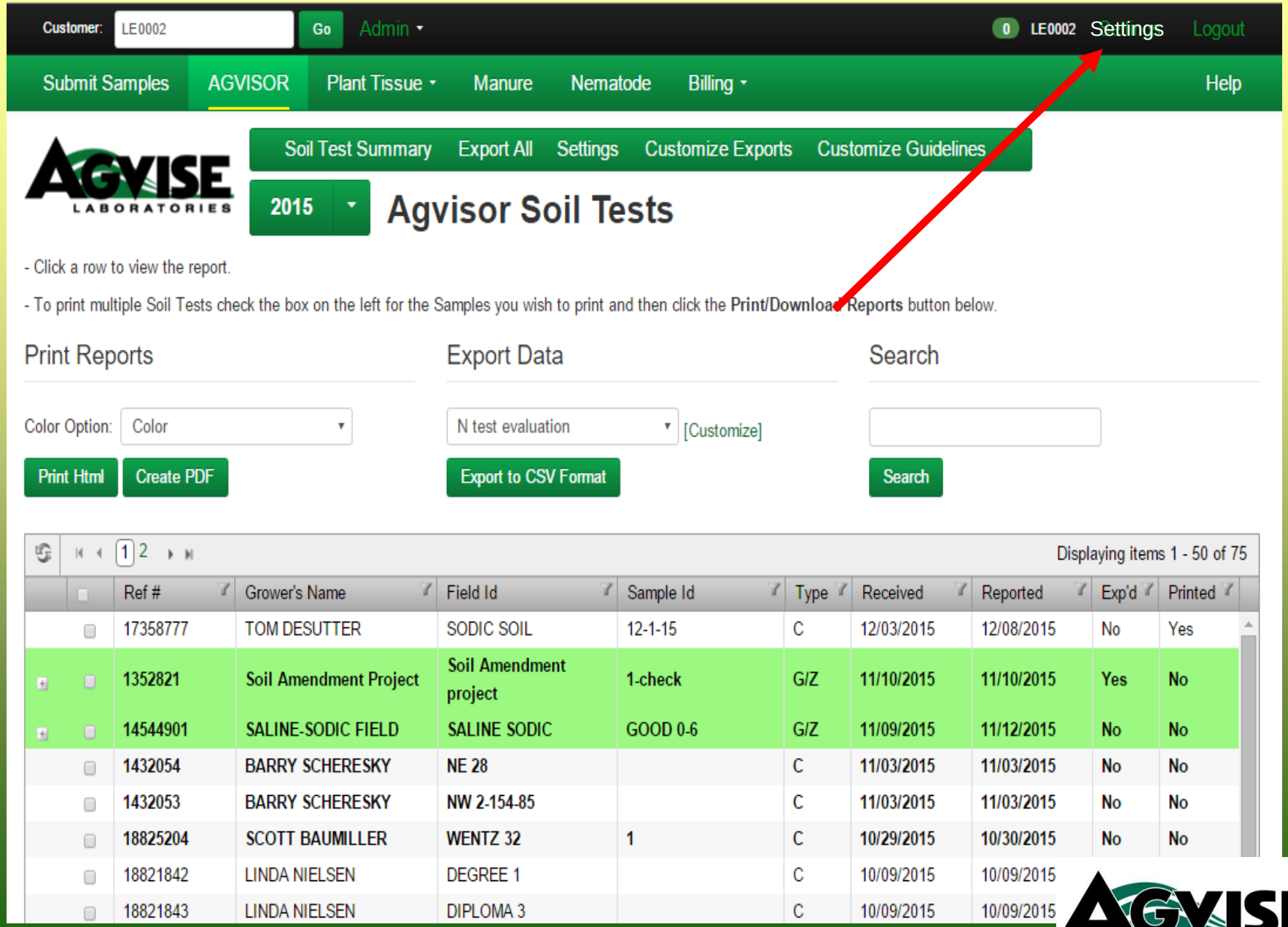
6 Components of Agvisor



1. Online Soil Sample Submission
2. Agvisor - Soil Test Reports
3. Plant Tissue - Reports
    - Plant Tissue
    - Potato Petiole
4. Manure - Reports
5. Nematode - Reports
    - Soybean Cyst (SCN)
    - Sugarbeet nematode
6. Billing - Cost per soil sample

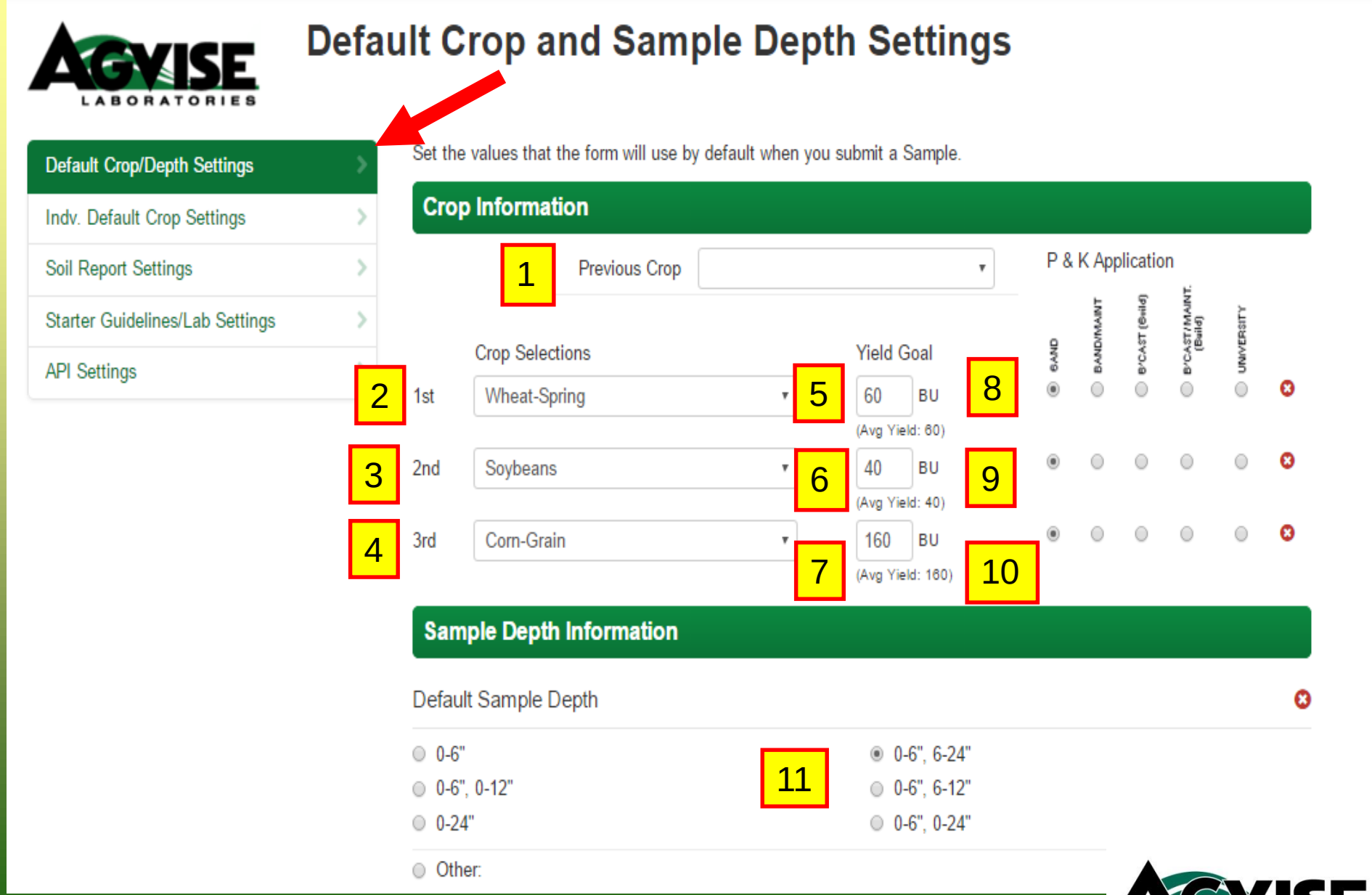
AGVISE LABORATORIES

Customizable Default Settings

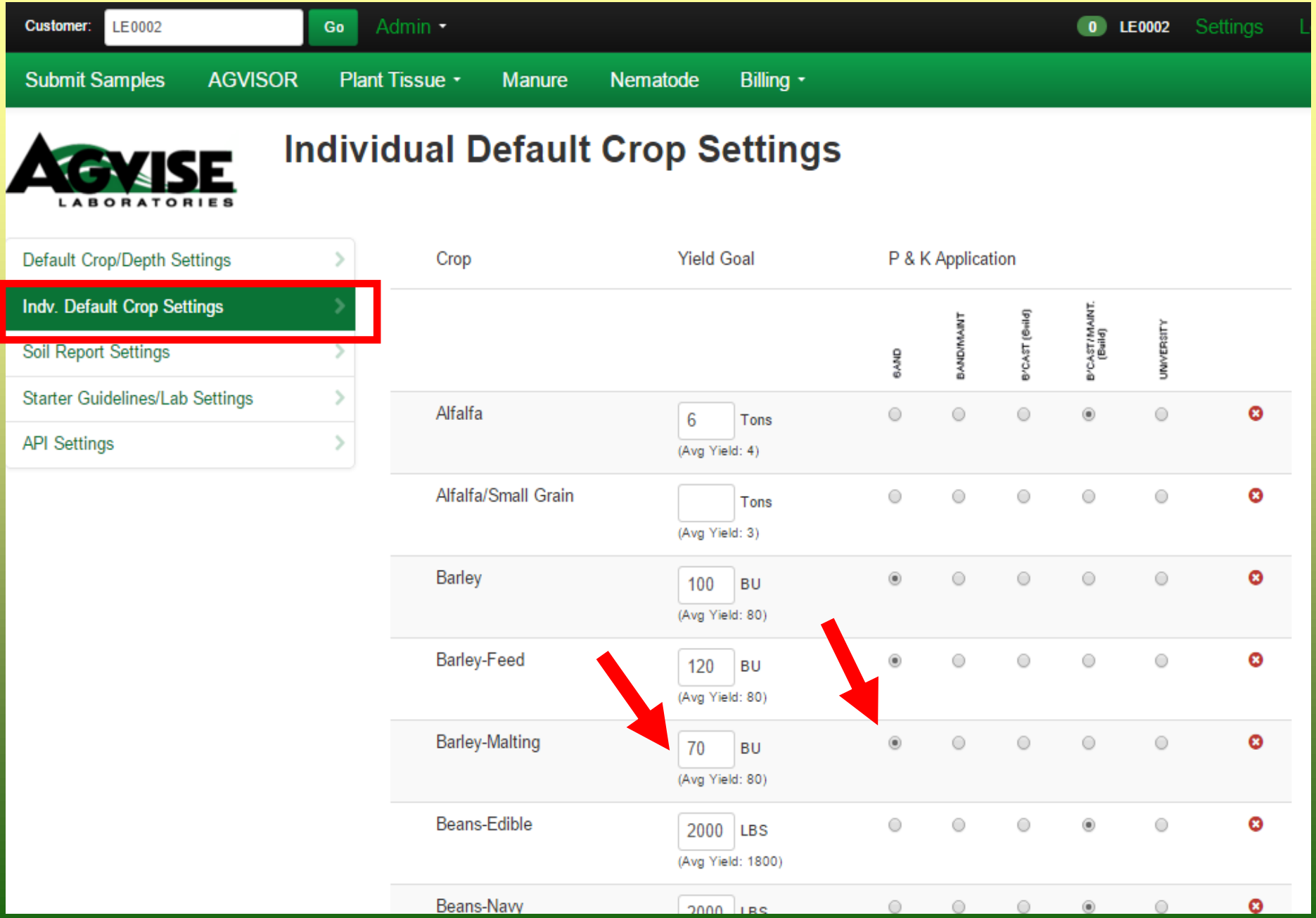


AGVISE LABORATORIES

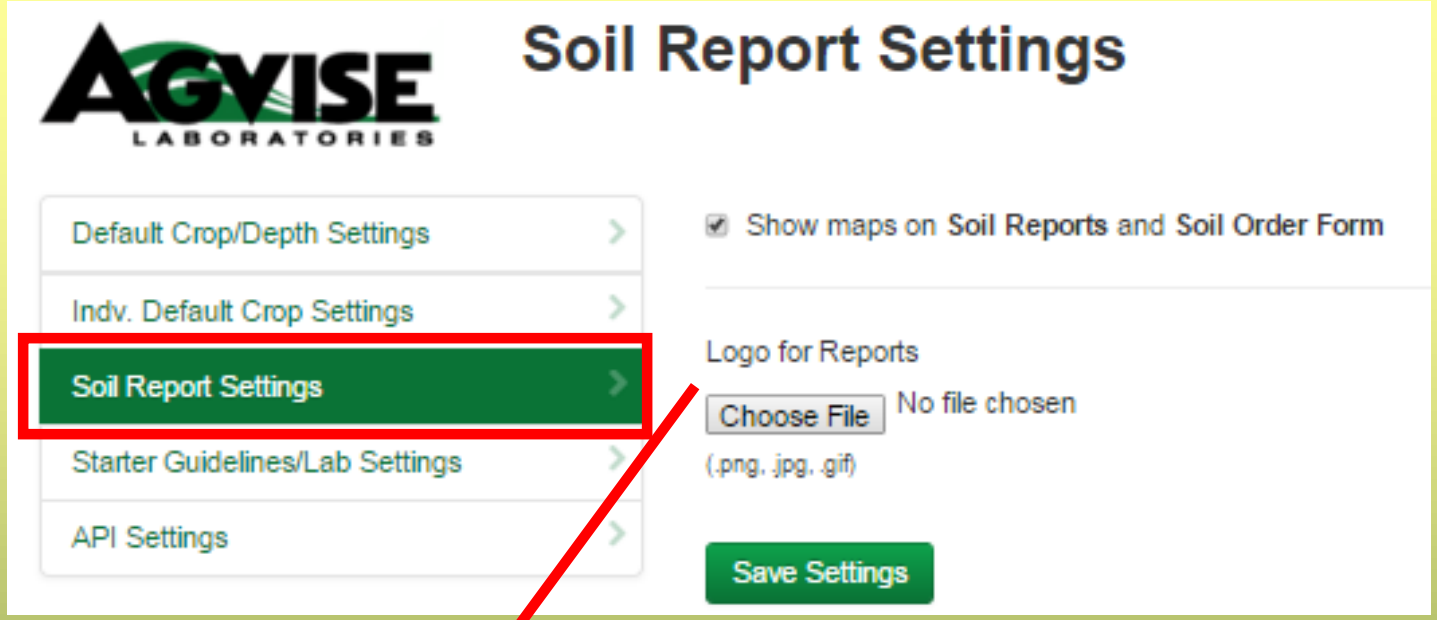
Defaults – Agvisor Online Submission

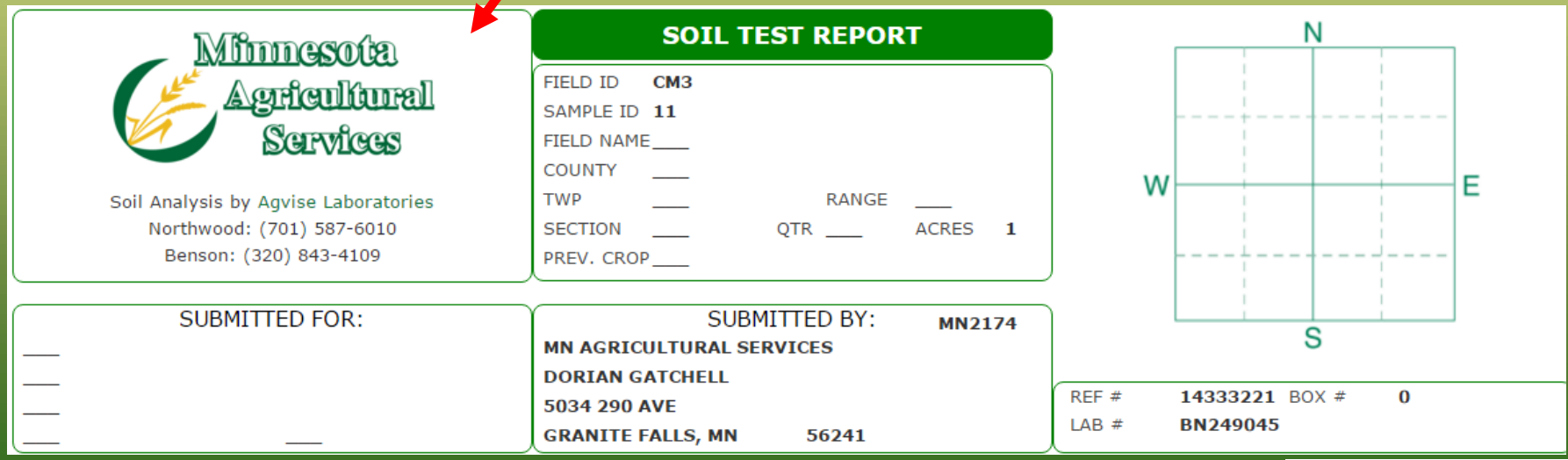


Customizable Default Settings

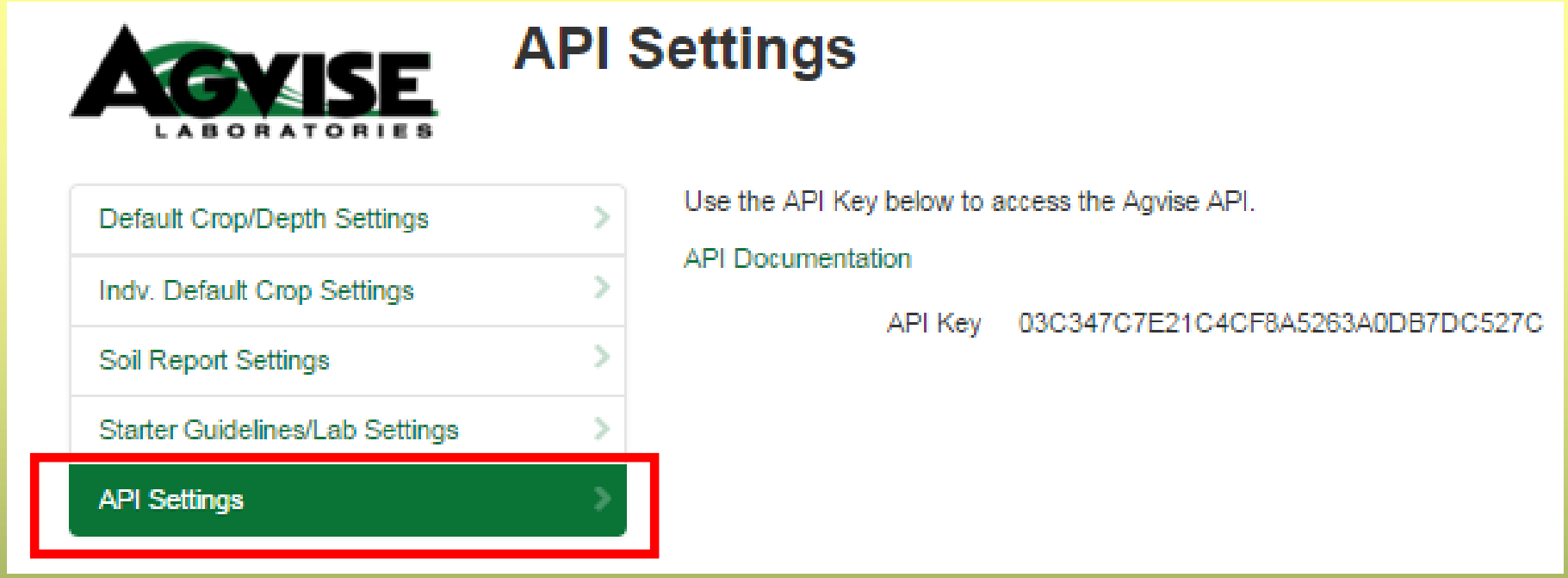


Customizable Default Settings





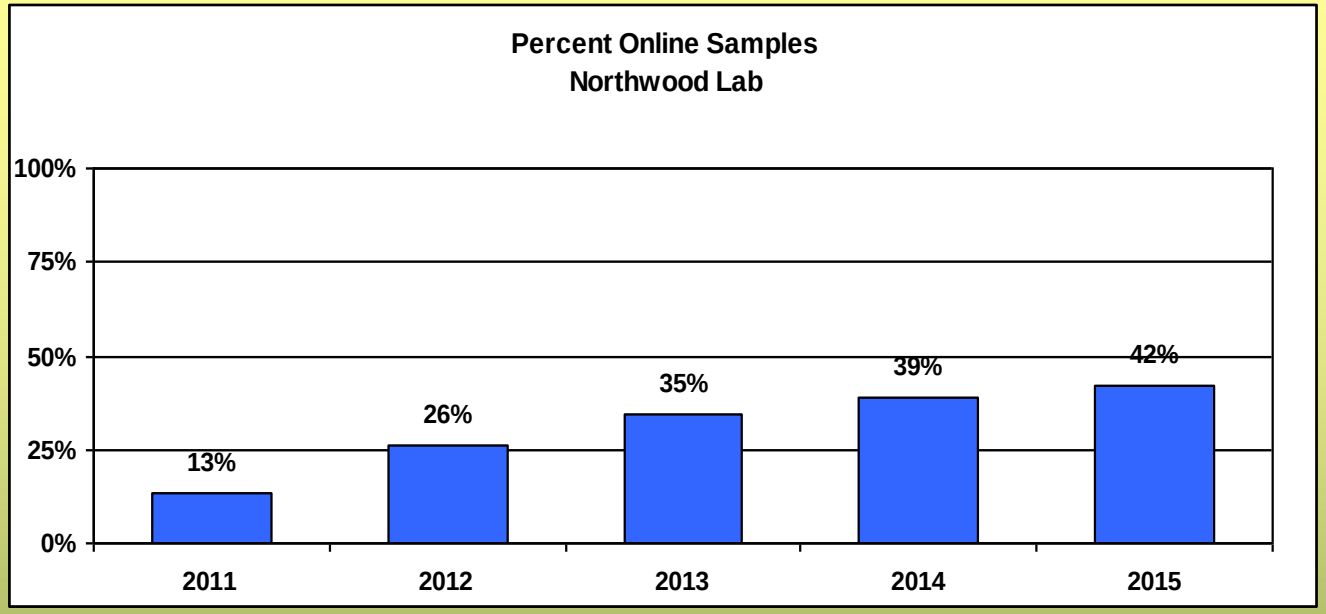
Customizable Default Settings

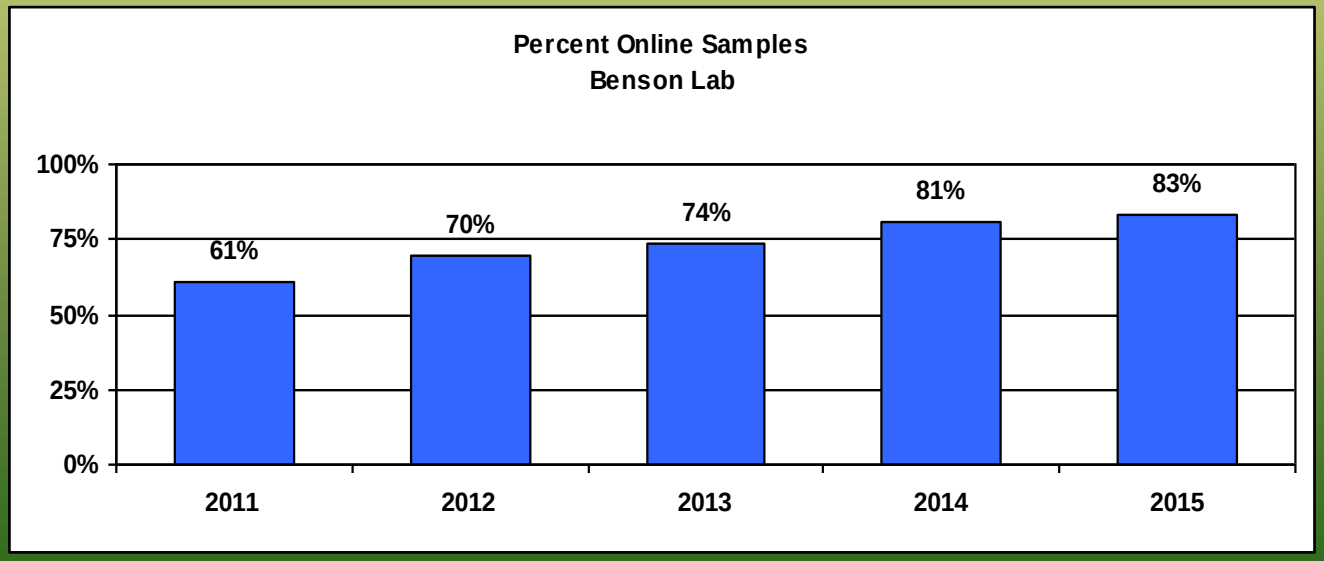


API: Application Programming Interface
For advanced computer programming.

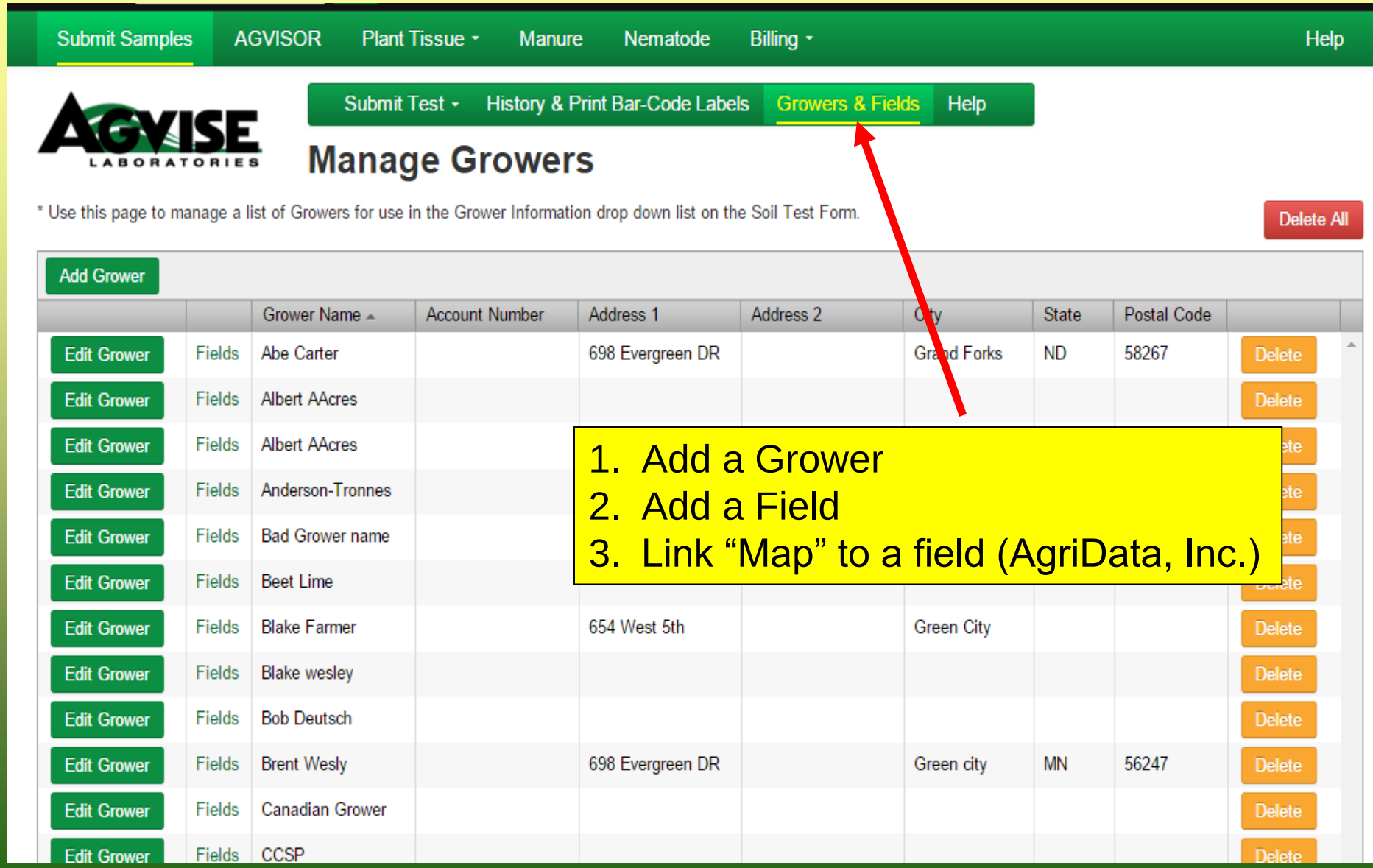
AGVISE LABORATORIES

Online Soil Sample Submission

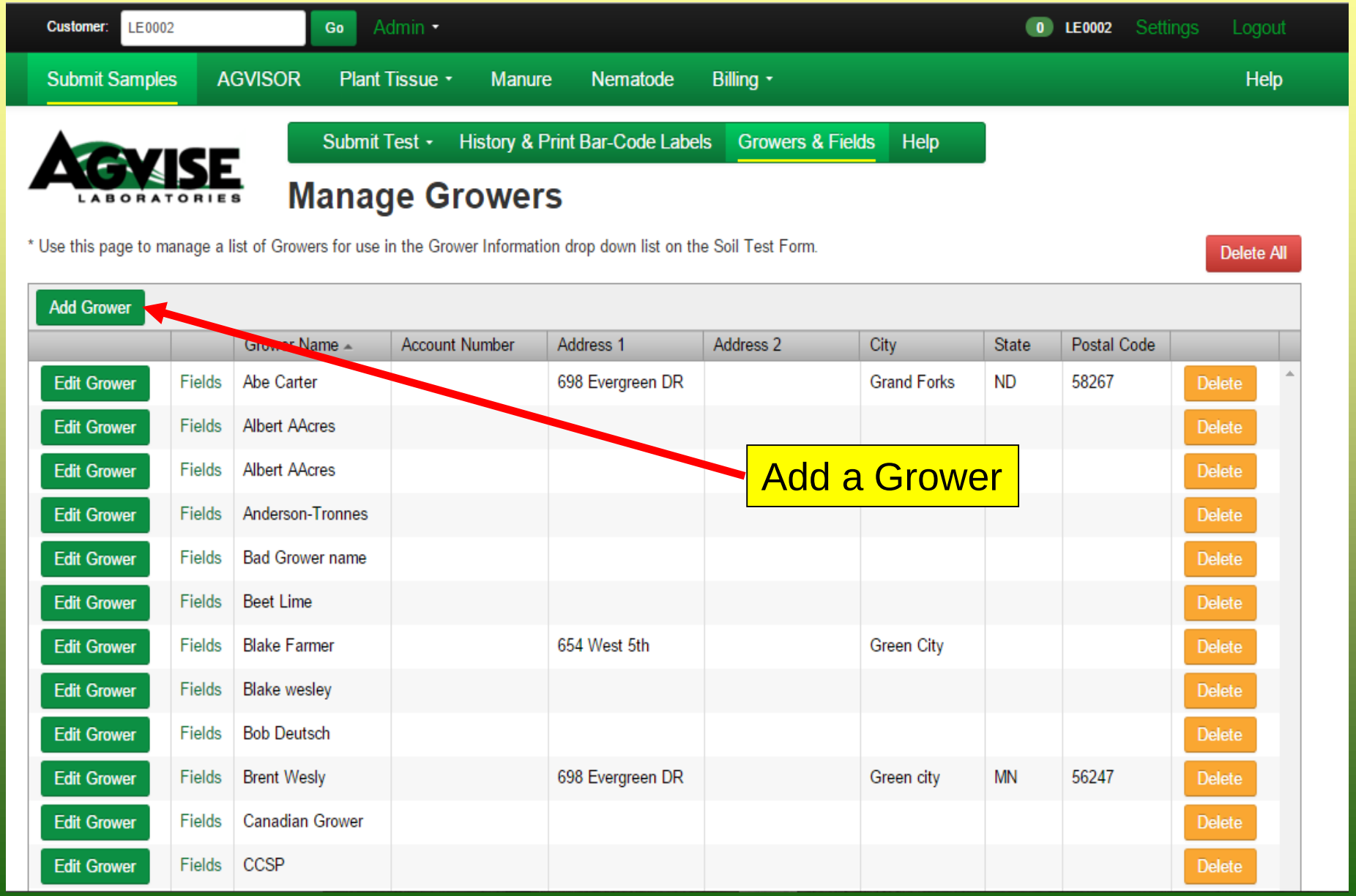




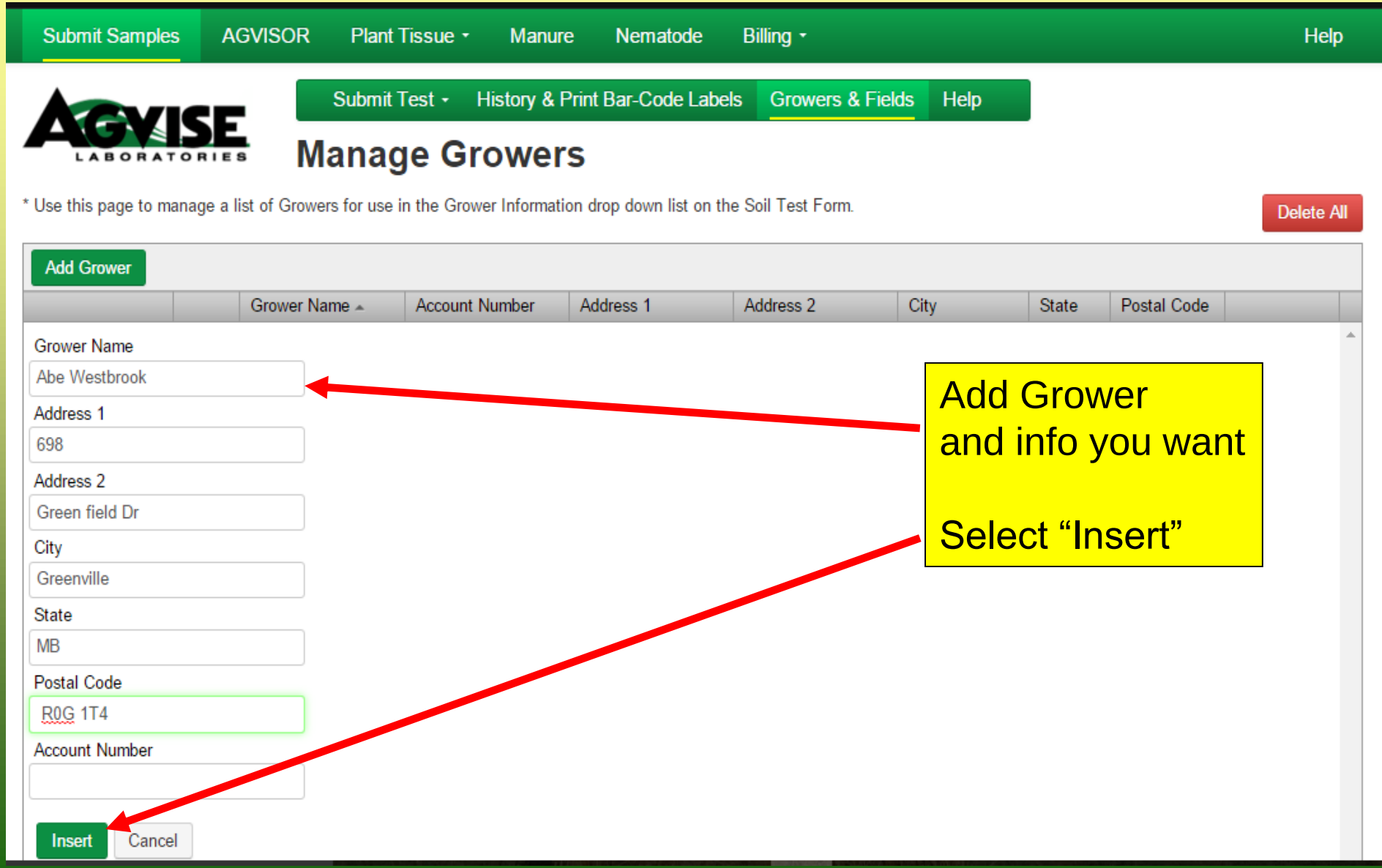
Adding Growers and Fields to Online Sample Submission



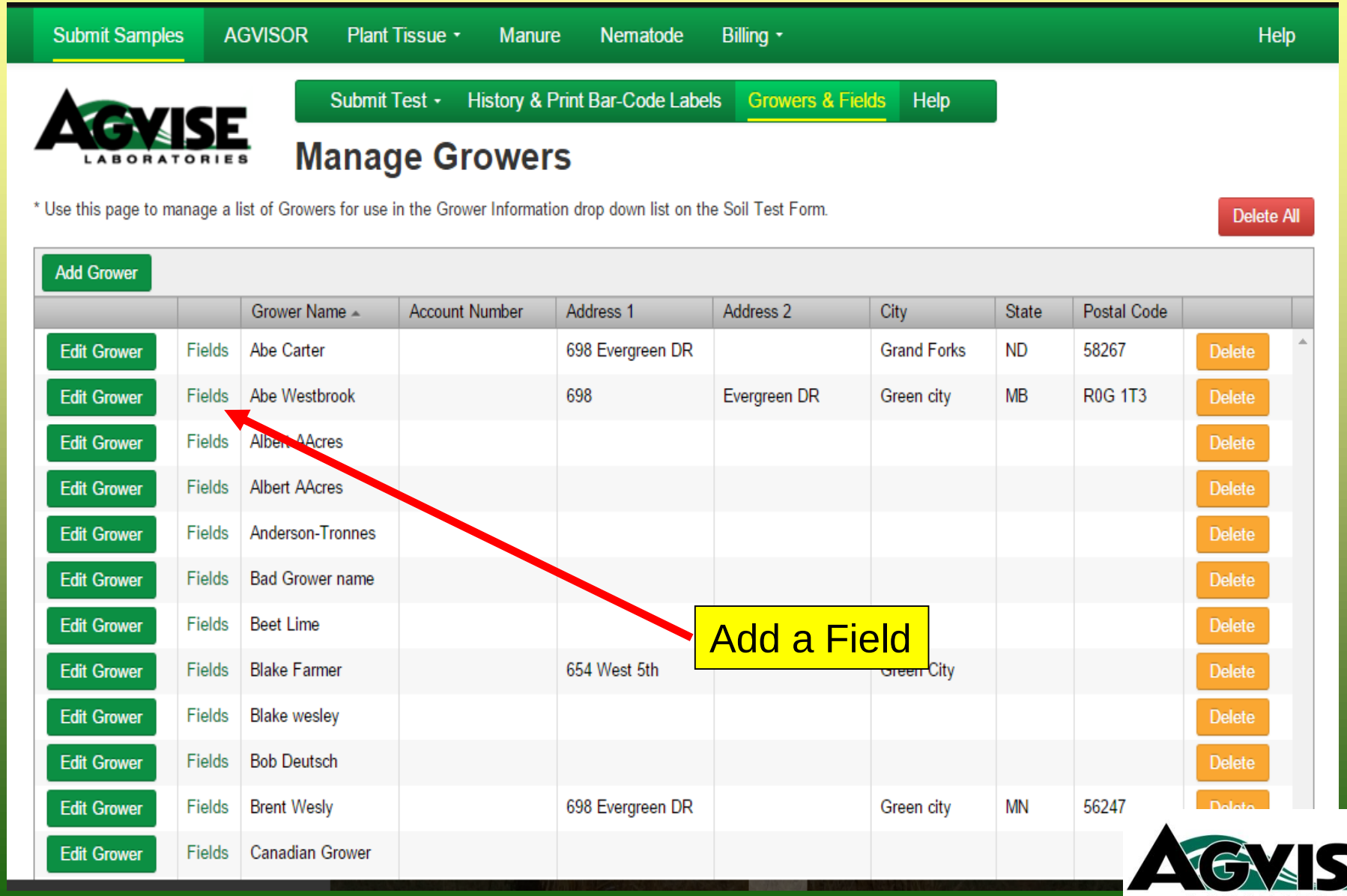
Adding Growers and Fields to Online Sample Submission



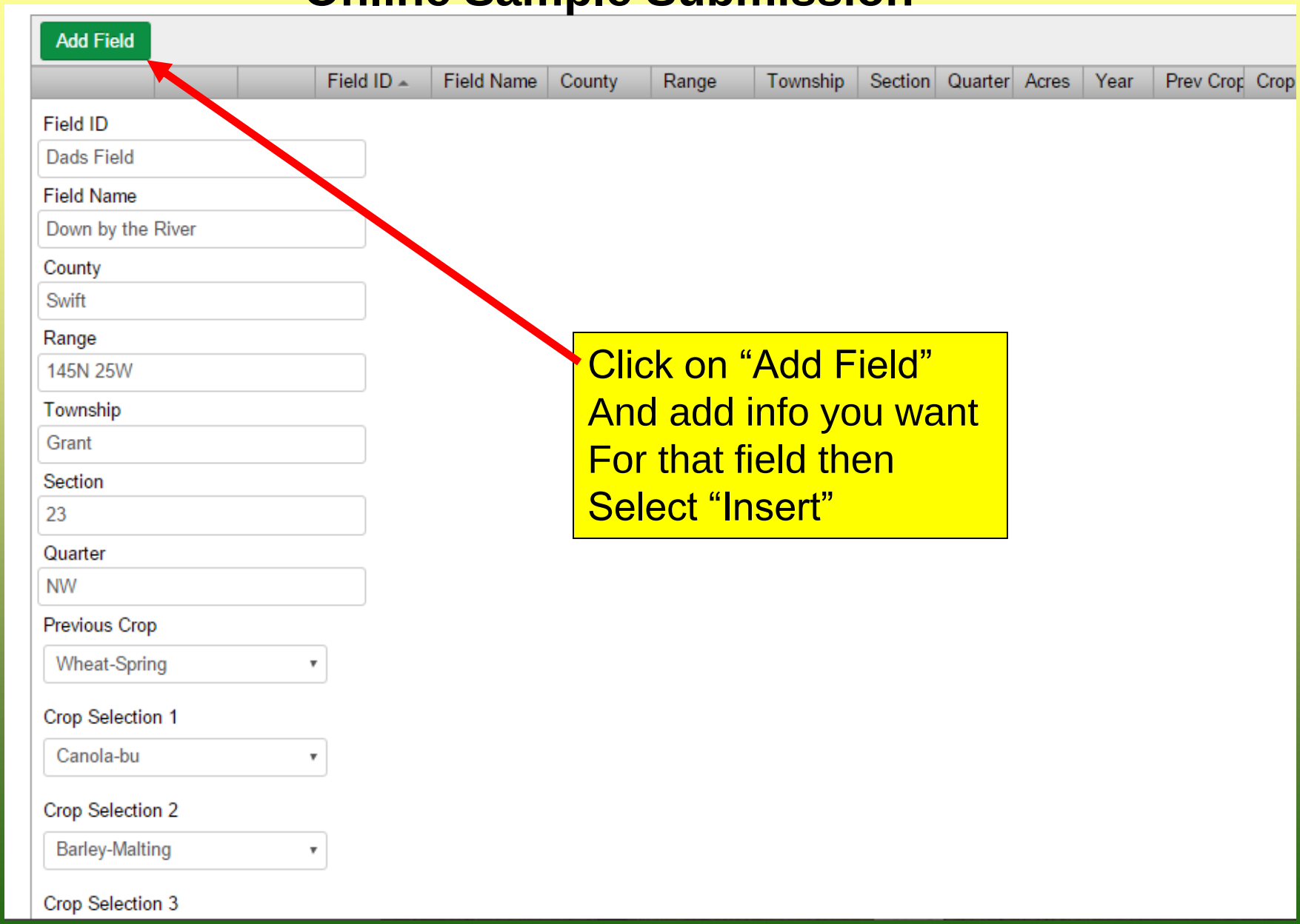
Adding Growers and Fields to Online Sample Submission



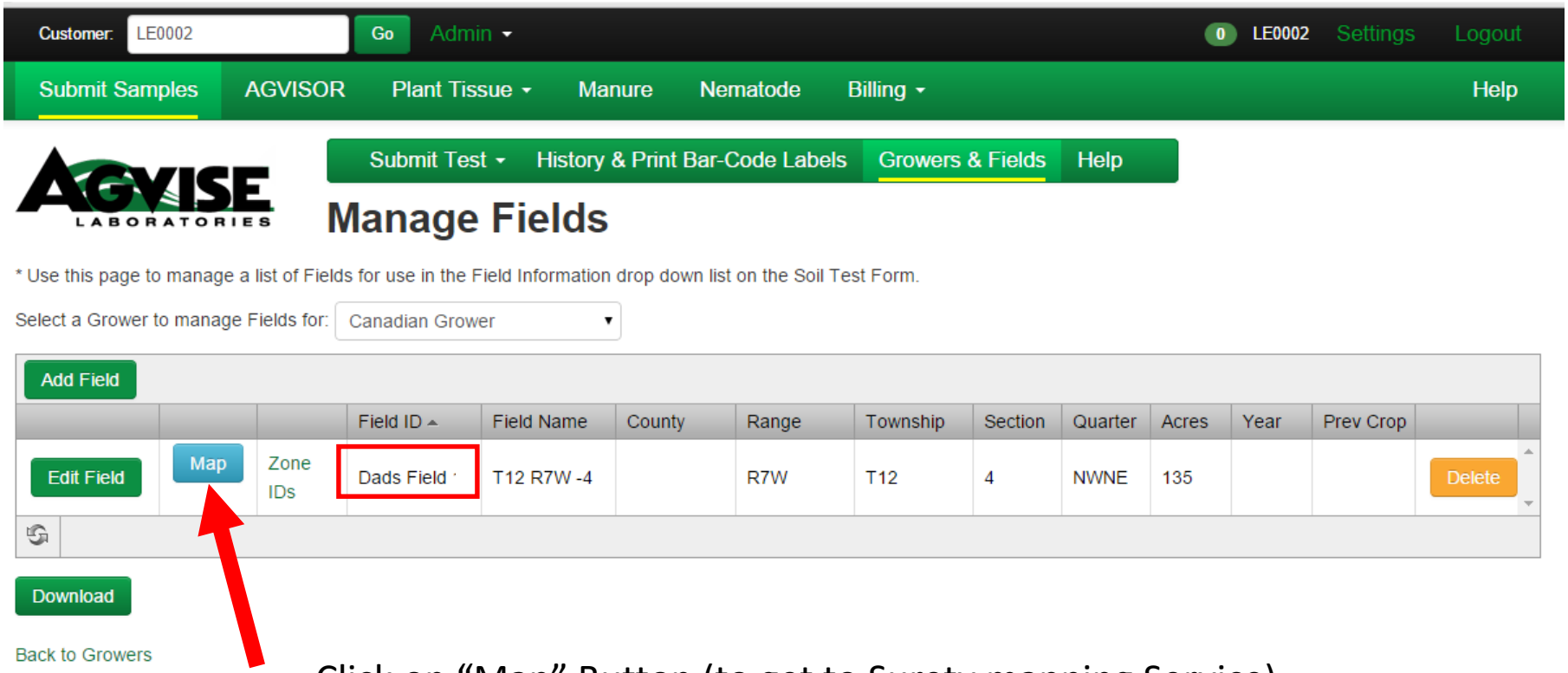
Adding Growers and Fields to Online Sample Submission



Adding Growers and Fields to Online Sample Submission

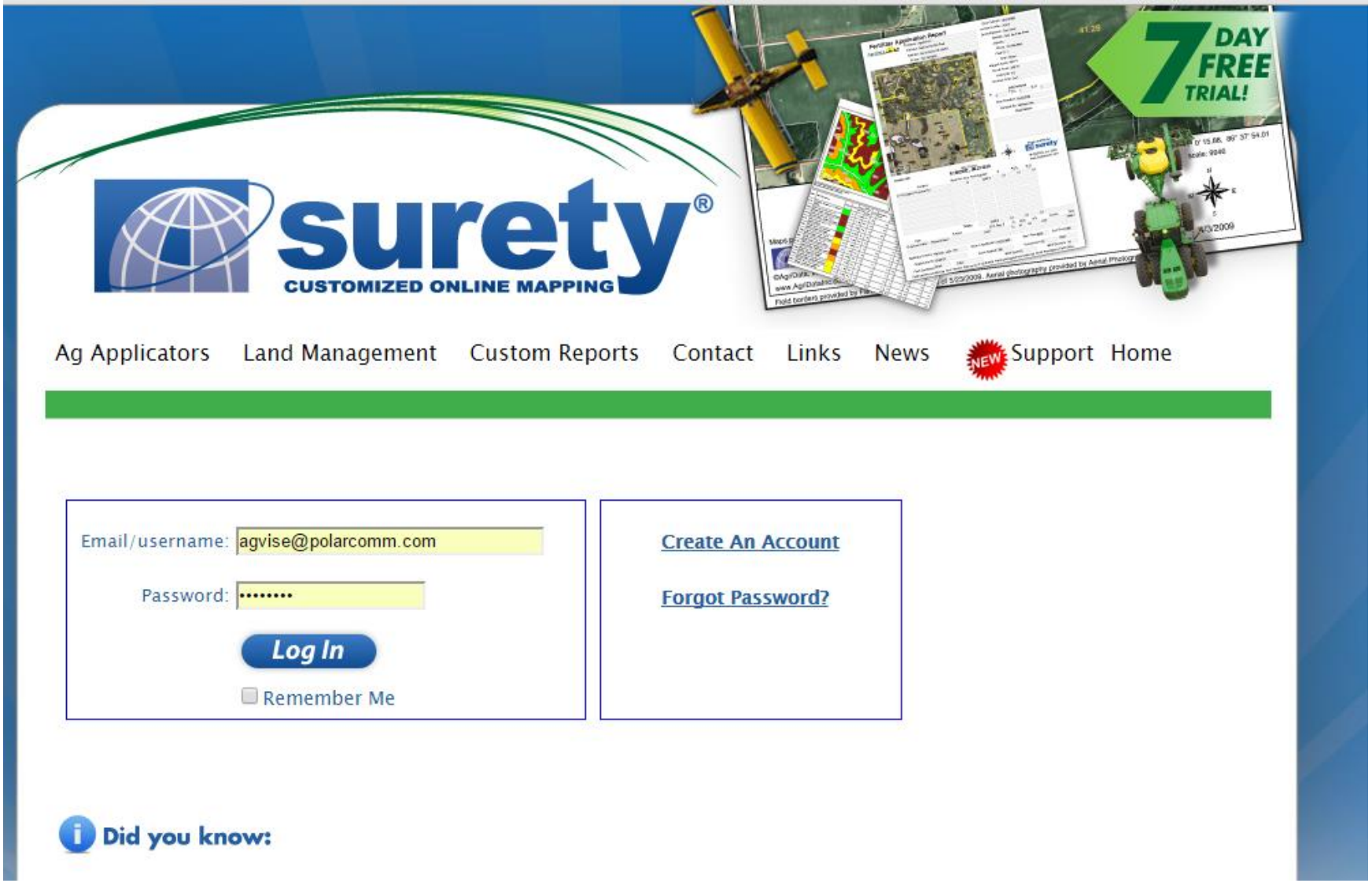


Linking “Field Map” to Online Field

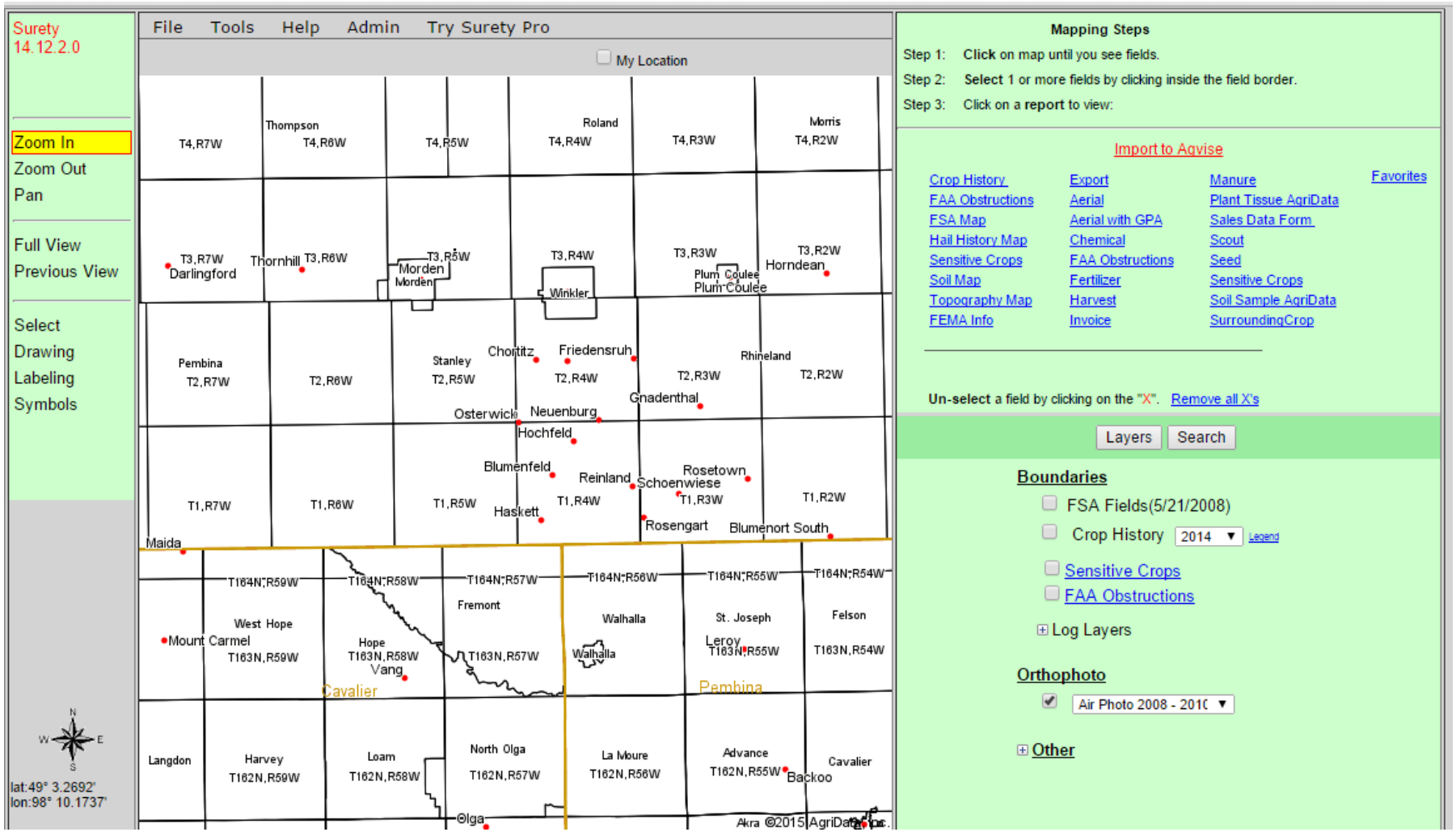


Click on “Map” Button (to get to Surety mapping Service)

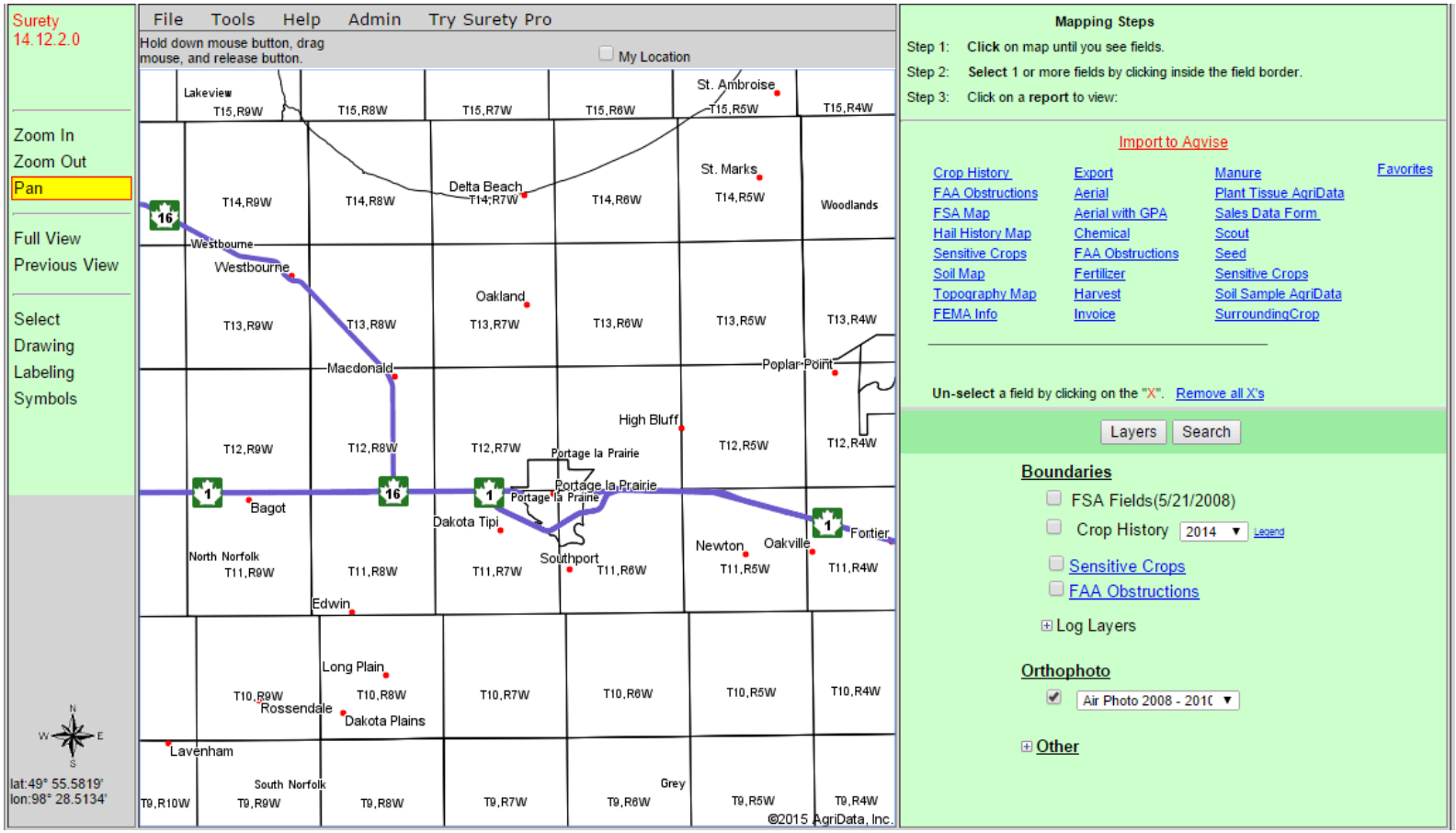
Sign in to “Surety Mapping” Service



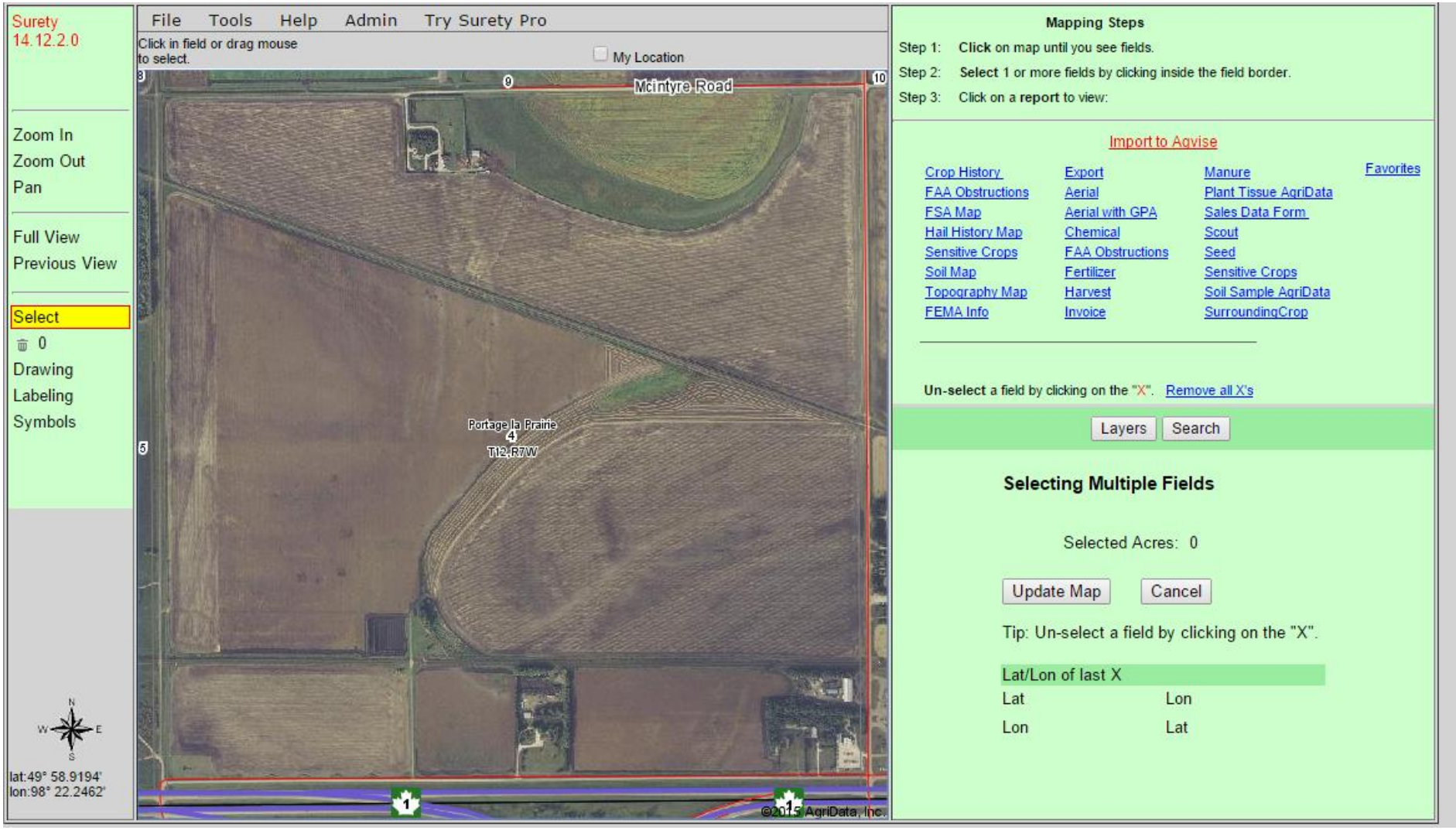
Highlight "Zoom In" or "Pan" to get to "Section" of Interest.



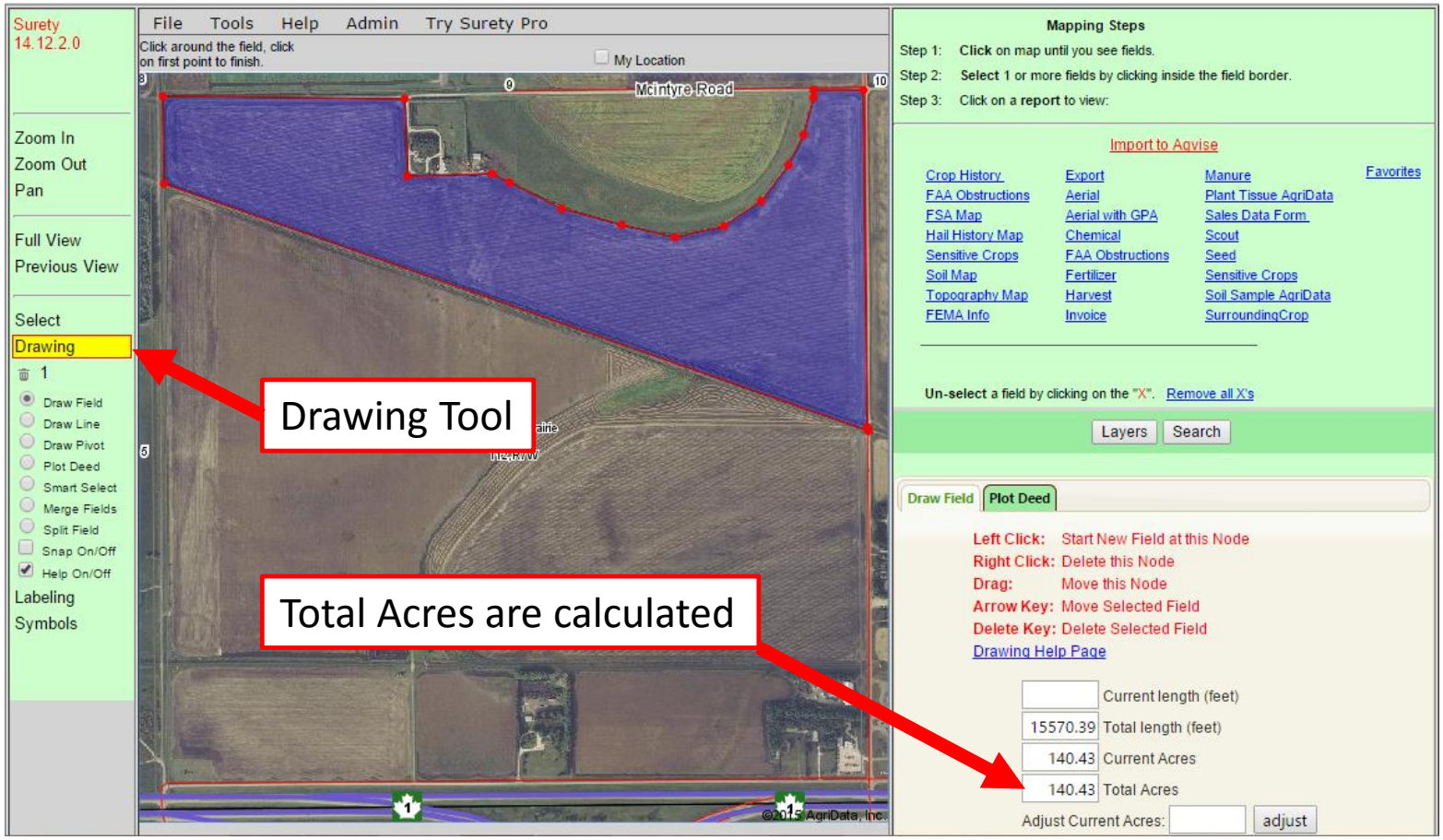
“Pan” to area of Interest



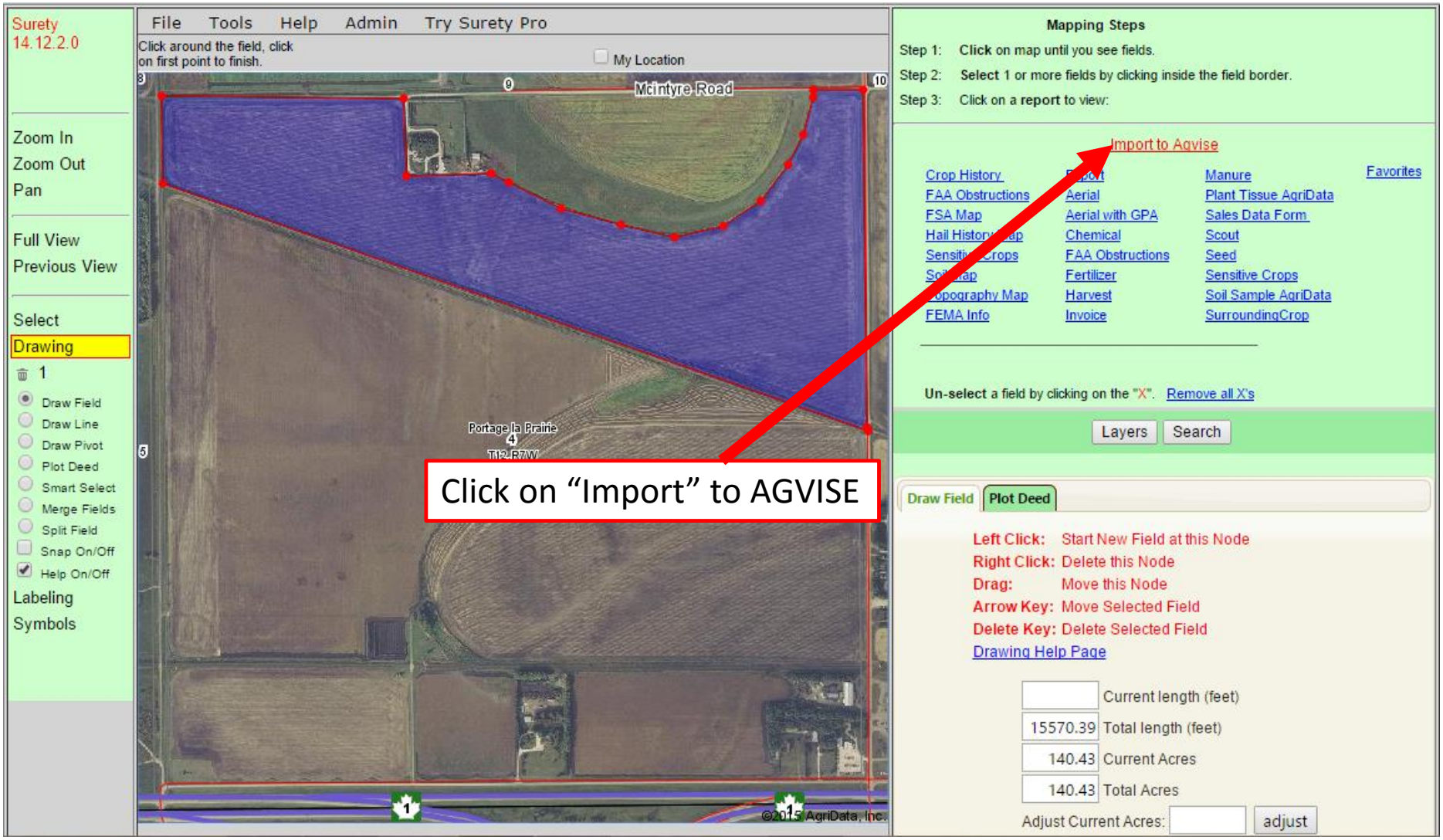
Zoom in until you get to "Section" of interest



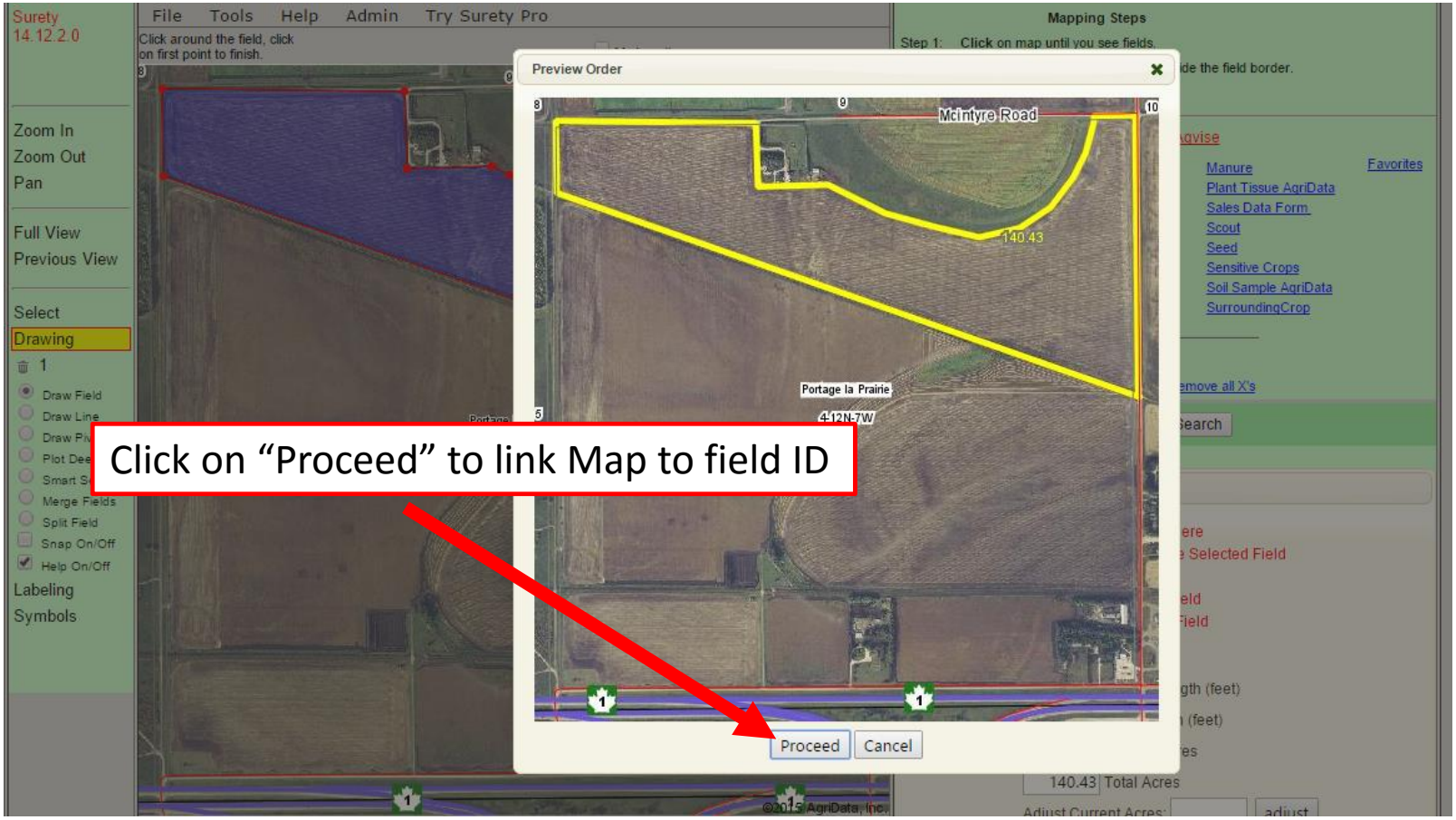
Click on “drawing”, Click around field until closed



Click on “drawing”, Click around field until closed



Click on "Proceed" if the map drawn is what you want



Map linked to "Field ID" prints on soil report

AGVISE LABORATORIES

Soil Analysis by Agvise Laboratories
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID	**Dads Field**				
SAMPLE ID	___				
FIELD NAME	**T12 R7W -4**				
COUNTY	___				
TWP	**T12**		RANGE	**R7W**	
SECTION	**4**	QTR	**NWNE**	ACRES	**135**
PREV. CROP	**Soybeans**				

SUBMITTED FOR:
Canadian Grower
___
___
___ ___

SUBMITTED BY: **LE0002**
JOHN LEE
698 EVERGREEN DR.
GRAND FORKS, ND 58201

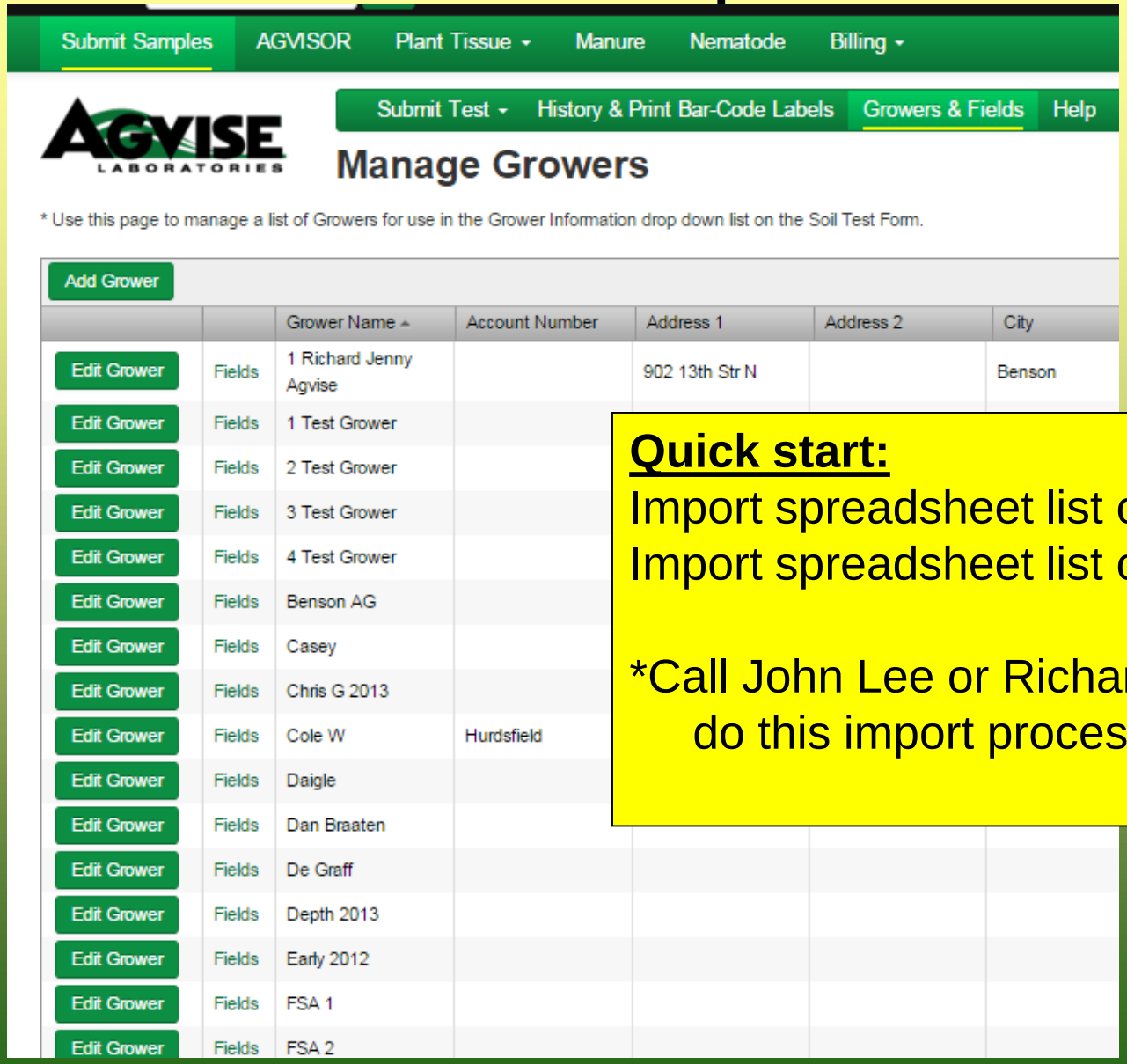
REF # **1135552** BOX # **0**
LAB # **NW6863**

Date Sampled ___ Date Received **03/05/2015** Date Reported **3/5/2015**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6"	5 lb/ac				
6-24"	15 lb/ac	****			
0-24"	20 lb/ac				
Nitrate					
Olsen	5 ppm	********			
Phosphorus					

1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
Wheat-Spring		Canola-bu		Corn-Grain	
YIELD GOAL		YIELD GOAL		YIELD GOAL	
60	BU	40	BU	160	BU
SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
Band		Band		Band	
LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION

Adding Growers and Fields to Online Sample Submission



Quick start:

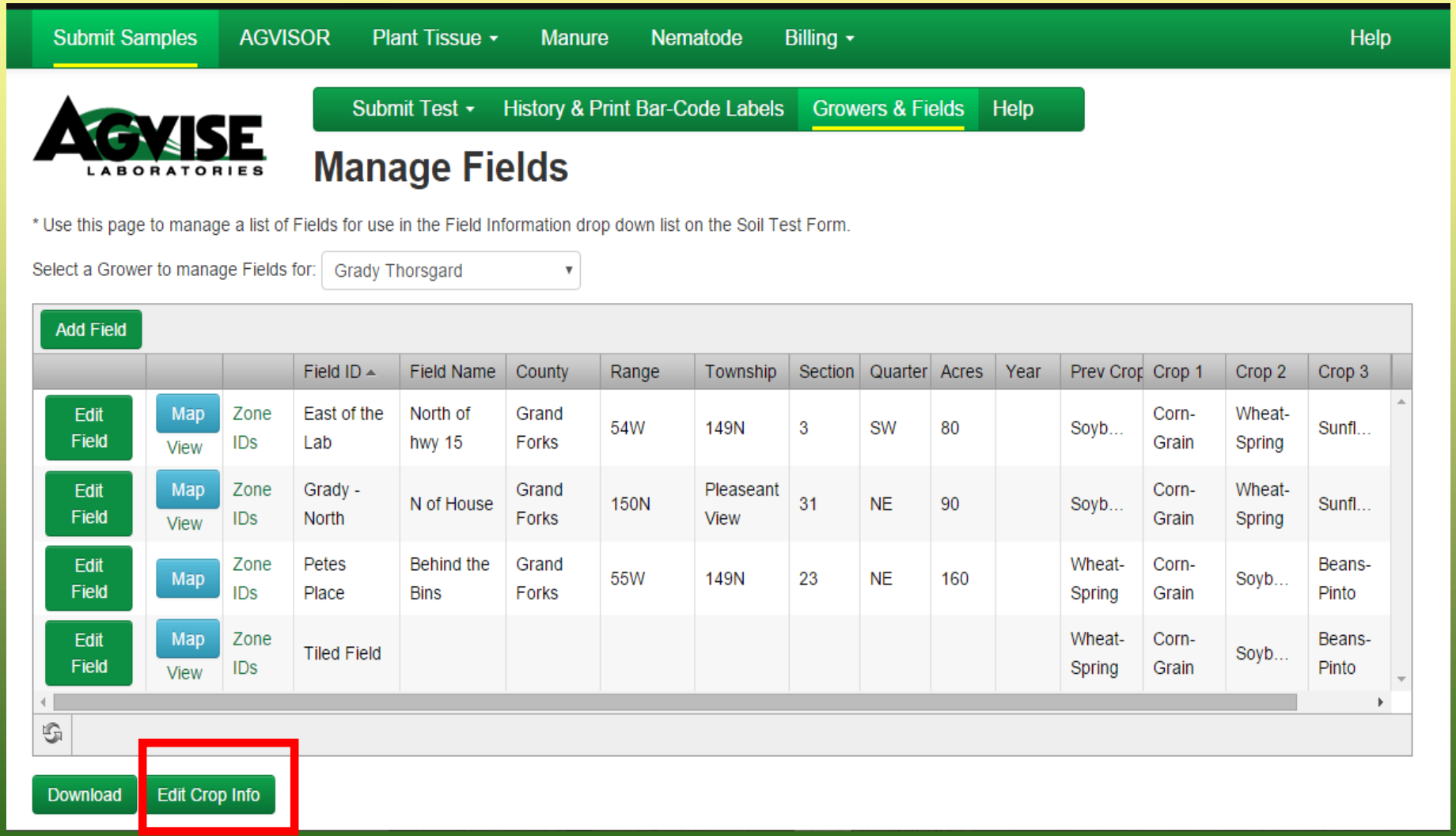
Import spreadsheet list of **Growers**

Import spreadsheet list of **Fields**

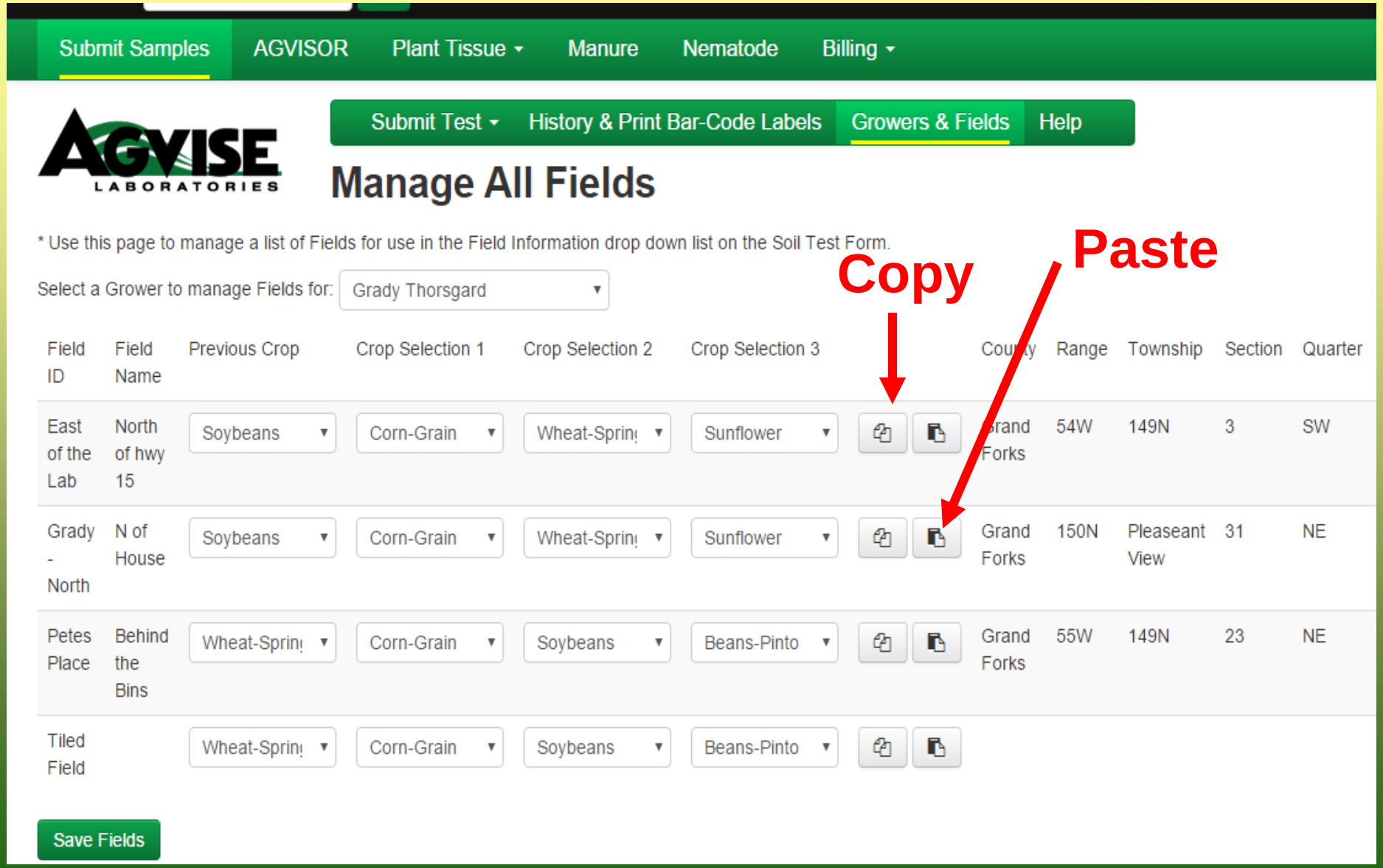
*Call John Lee or Richard Jenny to do this import process.

AGVISE LABORATORIES

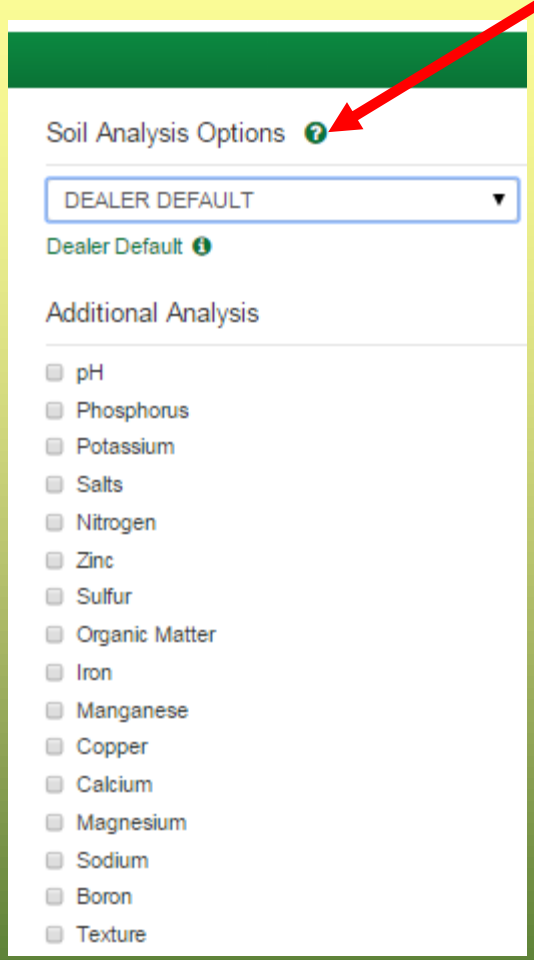
New Feature: Editing Crop Info for Online Sample Submission



New Feature: Editing Crop Info for Online Sample Submission



Soil Test Option Choices/Descriptions



Submit Samples | AGVISOR | Plant Tissue | Manure | Nematode | Billing

AGVISE LABORATORIES

Soil Analysis Options

***Not all Options include "Nitrogen"**

Recommended Crop Options

SMALL GRAIN	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Chloride, Copper
ROW CROP	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Zinc, Copper, % Organic Matter
POTATO	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Iron, Manganese, Calcium, Magnesium
SUGAR BEET	Nitrogen (3 depths), Phosphorus, Potassium, pH, Salts, Sulfur, % Organic Matter
ALFALFA	Phosphorus, Potassium, pH, Salts, Sulfur, Zinc, Boron, % Organic Matter
SOYBEANS Northern Region	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Carbonates
SOYBEANS Southern Region	Phosphorus, Potassium, pH, Salts, % Organic Matter, Carbonates
CANOLA / SUNFLOWER	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur

Additional Test Options

A	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Zinc, %Organic Matter
B	Nitrogen, Phosphorus, Potassium, pH, Salts
C	Phosphorus, Potassium, pH, Salts, % Organic Matter
CZ	Phosphorus, Potassium, pH, Salts, Zinc, % Organic Matter
CZS	Phosphorus, Potassium, pH, Salts, Zinc, % Organic Matter, Sulfur
C1	Nitrogen, Phosphorus, Potassium, pH, Salts, Zinc, % Organic Matter
C3	Nitrogen, Phosphorus, Potassium, pH, Salts, Chloride
C5	Nitrogen, Phosphorus, Potassium, pH, Salts, Sulfur, Zinc, Calcium, Magnesium, Sodium, CE
E	Phosphorus, Potassium, pH, Salts, Calcium, Magnesium, Sodium, CEC, % Base Saturation,

AGVISE LABORATORIES

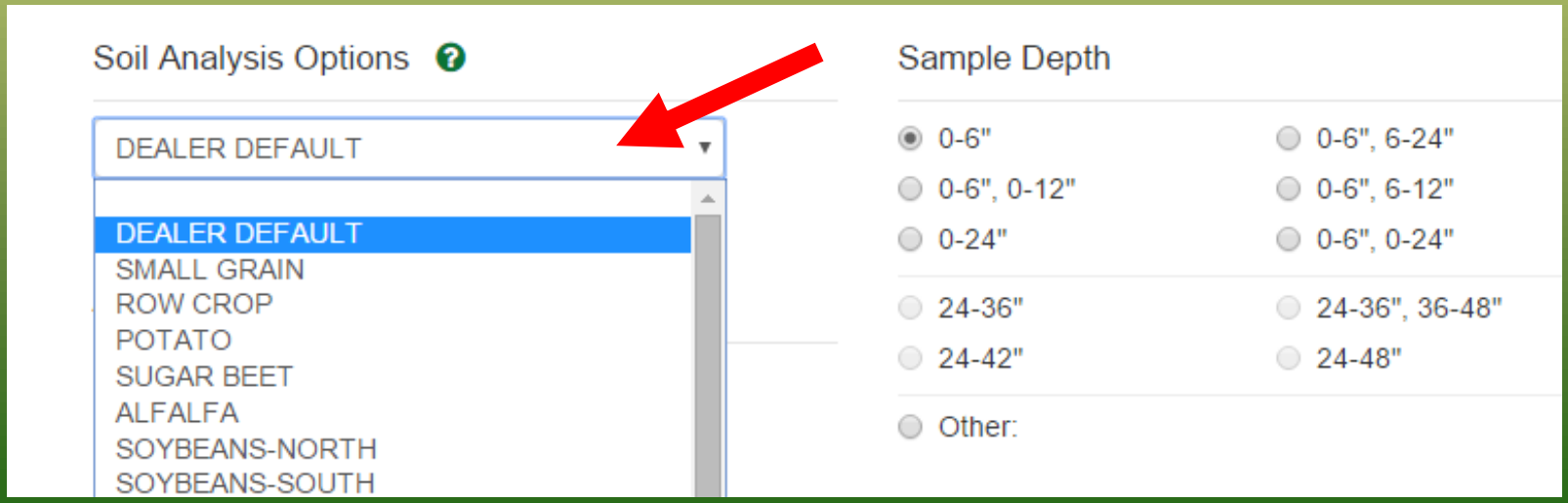
Customizable Default Settings

***Soil Test Option Selection – "Dealer Default"**

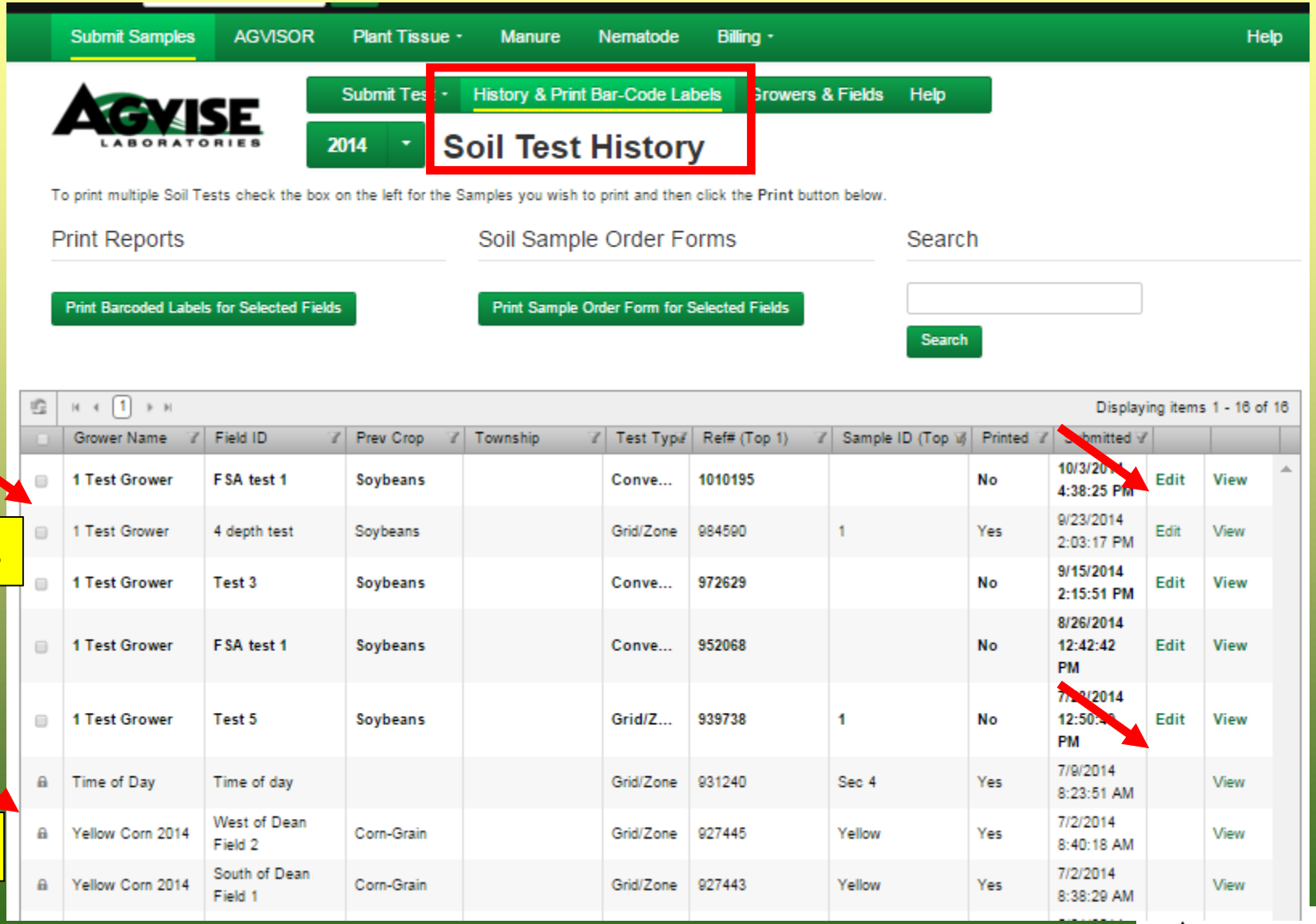
a. Conventional Composite samples
b. Grid/Zone samples

***Multiple account numbers associated together**

**Need to talk with John or Teresa to set up these 2 items.*



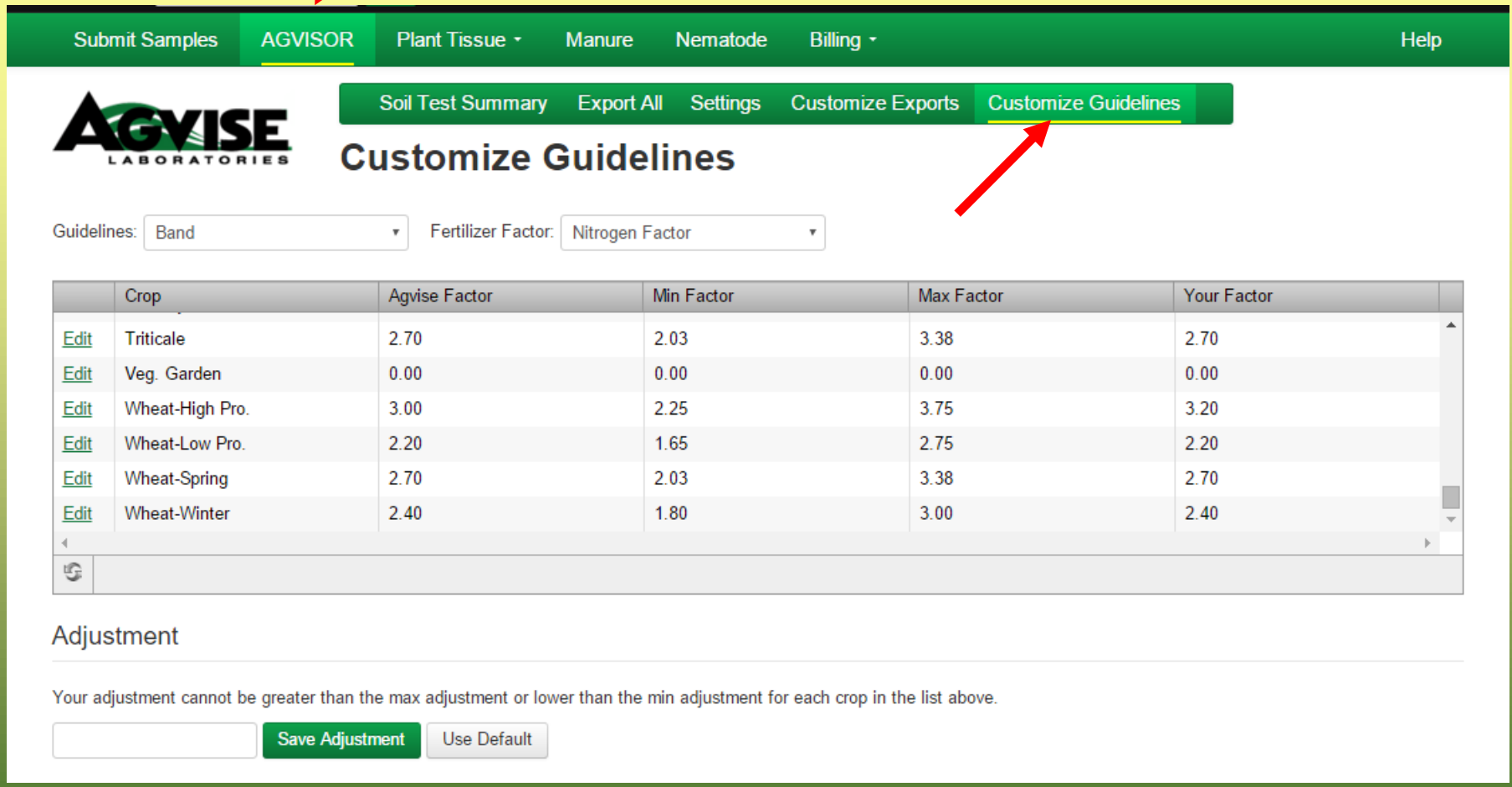
Can you edit samples in the Online Submission System? Yes & No



Yes

No

Customizing Crop Nitrogen Recommendations in Agvisor



Soil Test Reports in Agvisor

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" 23 lb/ac 6-24" 24 lb/ac 0-24" 47 lb/ac	*********			
Phosphorus	Olsen/Bray 21 ppm 31 ppm	**********	**********	**********	**********
Potassium	191 ppm	**********	**********	**********	**********
Chloride					
Sulfur					
Boron					
Zinc					
Iron					
Manganese					
Copper					
Magnesium					
Calcium					
Sodium					
Org.Matter	5.2 %	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" 0.2 mmho/cm 6-24" 0.17 mmho/cm	*****			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Corn-Grain			Corn-Grain			Corn-Grain		
YIELD GOAL			YIELD GOAL			YIELD GOAL		
200	BU		200	BU		200	BU	
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast			Broadcast/Maint			University		
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	163		N	163		N	155	
Mn			Mn			Mn		
Cu			Cu			Cu		
Mg			Mg			Mg		
Lime	2.5	Tons	Lime	2.5	Tons	Lime	2.5	Tons

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 5.9 6-24" 5.8	6.5						

You can change your Crop Choice, Yield Goal and Suggested Guidelines for each sample in Agvisor.

-3 Crop Choices for each sample

-3 Yield Goals for each sample

-5 Suggested Guidelines (P & K guidelines) for each sample

General Comments: (Reduce Lime by 1/2 for W.MN, W.IOWA and the DAKOTAS).

Crop 1: Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 40 lbs for the previous crop on University Guidelines. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 University guidelines will build P & K soil test levels to the medium range over many years.

AGVISE LABORATORIES

5 Different "Suggested P & K Guidelines" in AGVISOR

Agvise Band: **Slowly build P & K test levels to the medium range over _5-10_ years.**

Agvise Band/Maintenance slowly build P & K test levels to medium range over 5-10 years and then maintain them. (Crop removal rates printed if High or V. High levels)

Agvise Broadcast will build P & K test levels to the high range over several (5-7 years).

Agvise Broadcast/Maintenance will build P & K test levels to the high range (5-7 years) and then maintain them. (Crop removal rate printed if High or V. High levels)

University (broadcast) will build P & K test levels to the medium range over _many_ years.

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Corn-Grain			Corn-Grain			Corn-Grain		
0-6"	23 lb/ac					YIELD GOAL			YIELD GOAL			YIELD GOAL		
6-24"	24 lb/ac	********				200 BU			200 BU			200 BU		
0-24"	47 lb/ac											UIDELINES		
Chloride						K_2O	0		K_2O	54	Broadcast	K_2O	10	Band (2x2) *
Boron														
Copper						Mn			Mn			Mn		
Sodium						Lime	2.5	Tons	Lime	2.5	Tons	Lime	2.5	Tons
Org.Matter	5.2 %	**********												
Carbonate(CCE)														
0-6"	0.2 mmho/cm	*****												
6-24"	0.17 mmho/cm	****												
Sol. Salts														

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 5.9 6-24" 5.8	6.5						

General Comments: (Reduce Lime by 1/2 for W.MN, W.IOWA and the DAKOTAS).

Crop 1: Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: Nitrogen is credited 30 lbs for the previous crop. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 AGVISE Broadcast/Maintenance guidelines will build P & K test levels to the high range over several years and then maintain them.

Crop 3: * Caution: Seed Placed Fertilizer Can Cause Injury * Nitrogen is credited 40 lbs for the previous crop on University Guidelines. Nitrogen credits may need to be adjusted based on local conditions. Crop Removal: P2O5 = 80 K2O = 54 University guidelines will build P & K soil test levels to the medium range over many years.

5 Different “Suggested P & K Guidelines” in AGVISOR

NORTHWOOD, ND
604 Highway 15 West • P.O. Box 510
Northwood, ND 58267
701-587-6010
Fax 701-587-6013
email: agvise@polarcomm.com
Homepage: www.agvise.com

AGVISE LABORATORIES

BENSON, MN
902 13 Street North • P.O. Box 187
Benson, MN 58215
320-843-4109
Fax 320-843-2074
email: benslab@agvise.com
Homepage: www.agvise.com

Interpreting A Soil Test Report

SUGGESTED FERTILIZER GUIDELINES

39 AGVISE Laboratories offers three types of guidelines for phosphorus and potassium fertilization (Band, Broadcast and University). All fertilizer guidelines are reported in lbs/acre of P_2O_5 or K_2O. All fertilizer guidelines are based on research by universities and industry along with the experience of AGVISE's professional agronomic staff. A brief explanation of each of the three fertilizer guidelines is listed below:

Band P&K fertilizer guideline: The AGVISE band fertilizer guideline assumes that the P & K fertilizer is placed at least 2" away from the seed. If an excessive amount of fertilizer is placed directly with the seed, delayed emergence and stand loss may occur. The safe rate of fertilizer to place with the seed is determined by soil moisture status, row width, fertilizer material and crop sensitivity. Use local information from consultants and equipment manufacturers to determine safe rates of seed applied fertilizer.

At very low soil test levels the band fertilizer guidelines for P & K will slowly build the P or K soil test level to the medium level over a period of many years. When the P or K soil test is high, the band guideline is reduced to rates near zero with a small amount of starter P & K fertilizer suggested. If soil test levels are high initially and the band guideline is followed for many years, the soil test level will drop to the medium test range.

Band with Maintenance P & K fertilizer guideline: The AGVISE band with maintenance fertilizer guideline is the same as the band fertilizer guideline except when P & K soil test levels are medium or higher, the band with maintenance guideline is equal to crop removal levels of P & K.

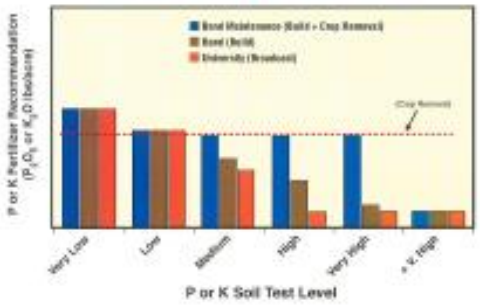
University Broadcast fertilizer guideline: The University broadcast fertilizer guidelines are based on one set of guidelines provided by the University of Minnesota, North Dakota State University and South Dakota State University. At very low soil test levels the university broadcast guidelines for P & K will slowly build the test levels to the medium range over many years. When the P or K soil test levels are high, the university broadcast guideline is reduced to near zero. Even when the university broadcast guidelines are zero, university agronomists would recommend using a small amount of starter fertilizer for most crops. The graph below shows the relationship between the band guideline, the band with maintenance and the university guidelines.

Broadcast P & K fertilizer guideline: The AGVISE broadcast fertilizer guidelines are based on a uniform fertilizer application which is tilled into the topsoil (except in the case of alfalfa). Seed safety is generally not a concern with broadcast fertilizer applications.

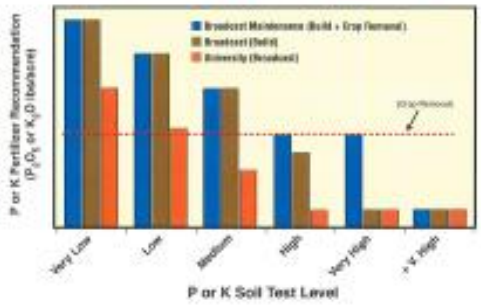
At very low, low and medium soil test levels, the broadcast fertilizer guidelines will build the P or K soil test levels to the high range if followed over several years. When the soil test level for P & K are into the very high range, the broadcast guidelines are reduced to near zero and a small amount of starter P & K is suggested.

Broadcast with Maintenance P & K fertilizer guideline: The AGVISE broadcast with maintenance guidelines are the same as the broadcast fertilizer guidelines except at the high and very high P & K soil test levels. When the P & K soil test levels are at high and very high, the broadcast with maintenance guidelines are equal to crop removal. The figure below shows the relationship between the broadcast with maintenance, university guidelines and crop removal.

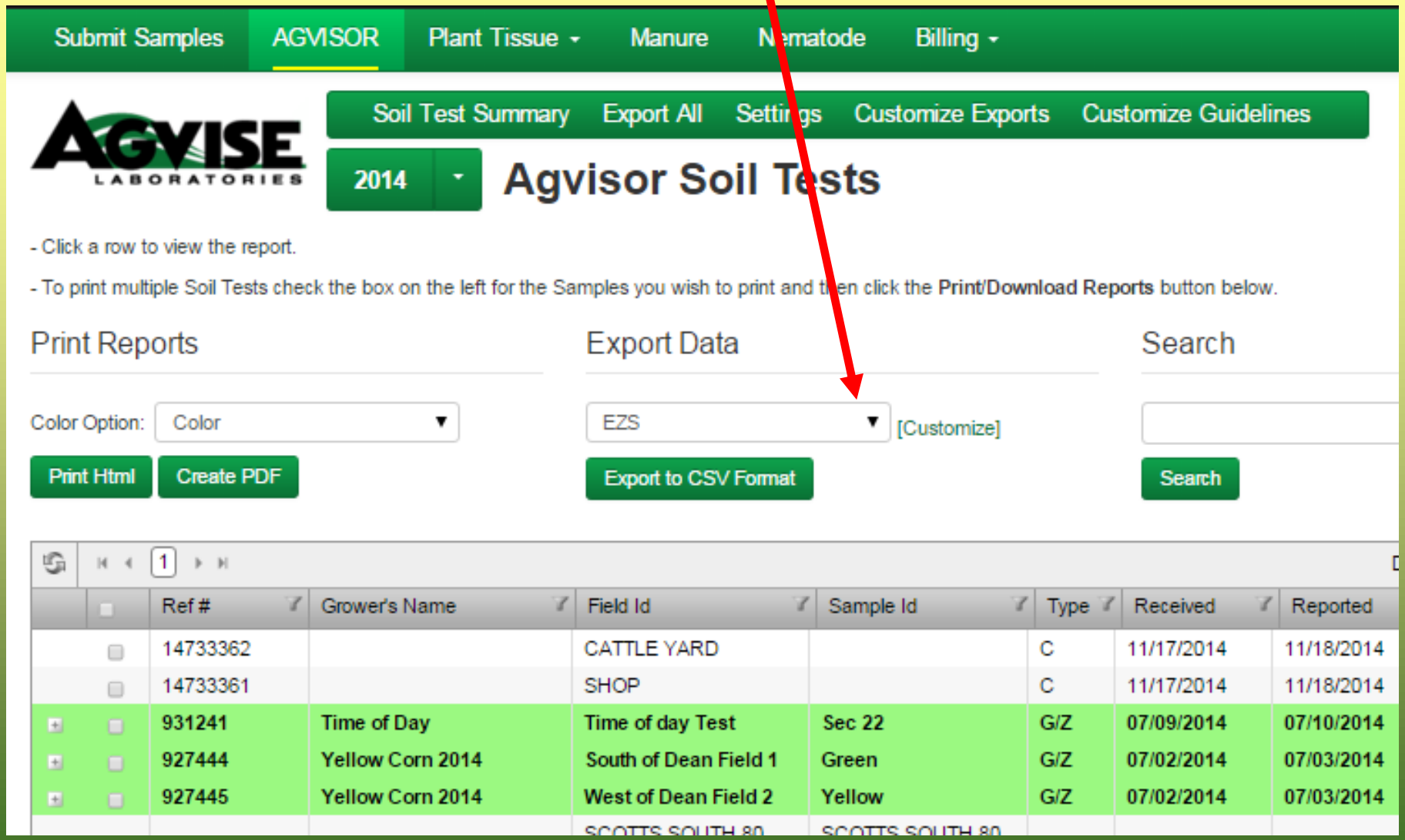
Comparison of Band Guidelines



Comparison of Broadcast Guidelines

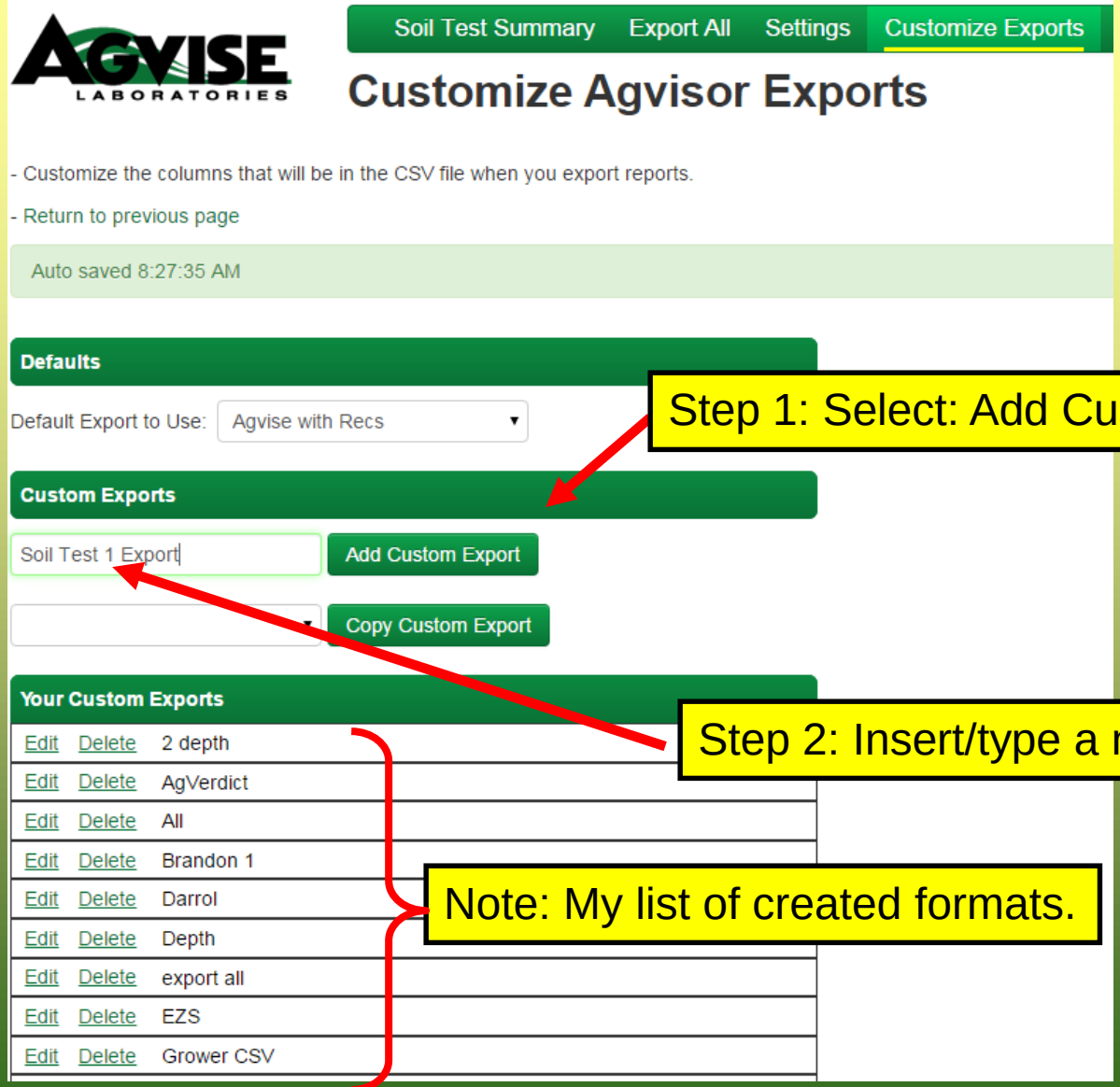


Exporting test data in Agvisor



AGVISE LABORATORIES

Creating Customized Export Formats



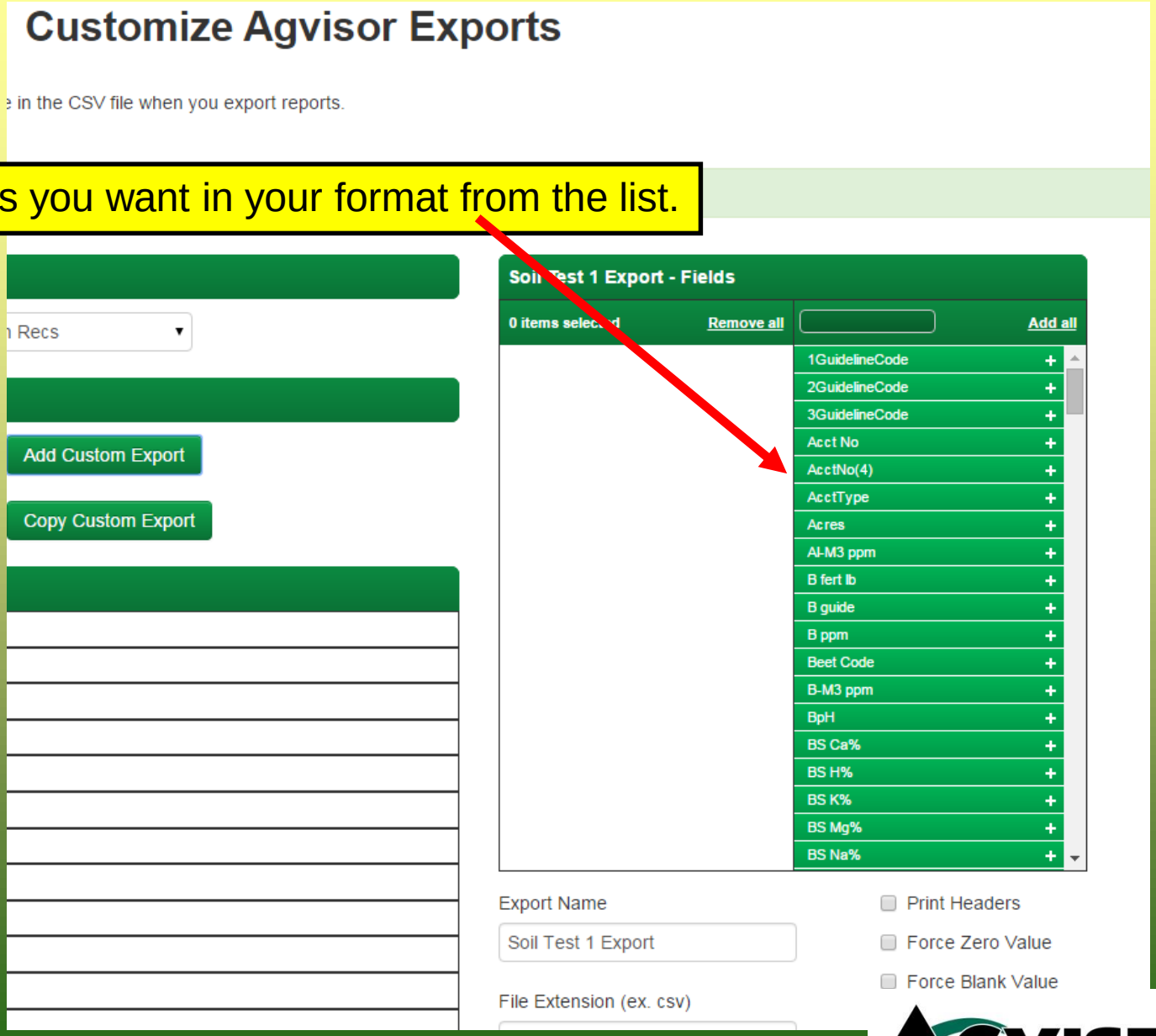
Step 1: Select: Add Custom Export button

Step 2: Insert/type a name for the format.

Note: My list of created formats.

Customizing Export Formats

Step 3: Choose items you want in your format from the list.

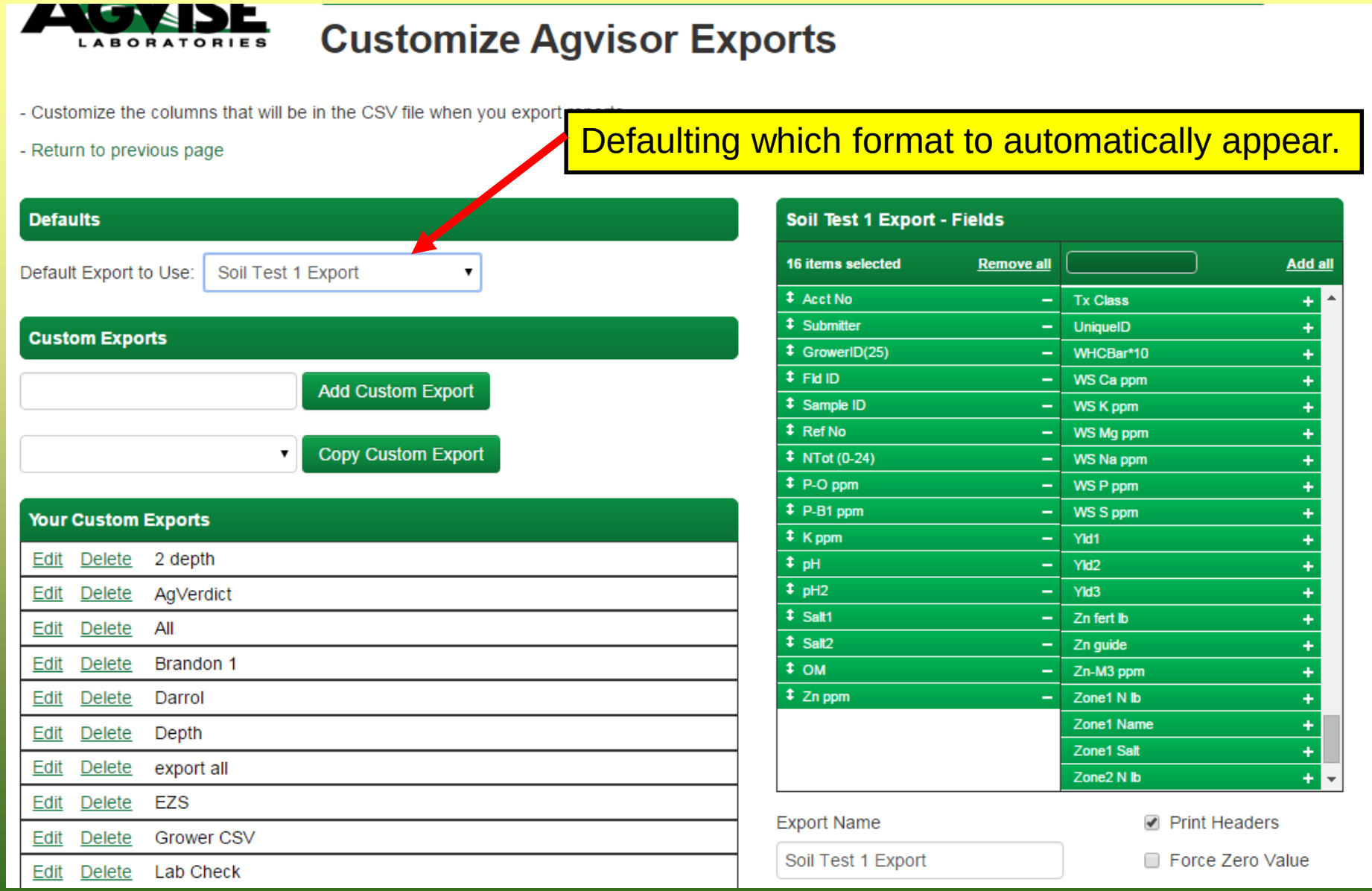


AGVISE LABORATORIES

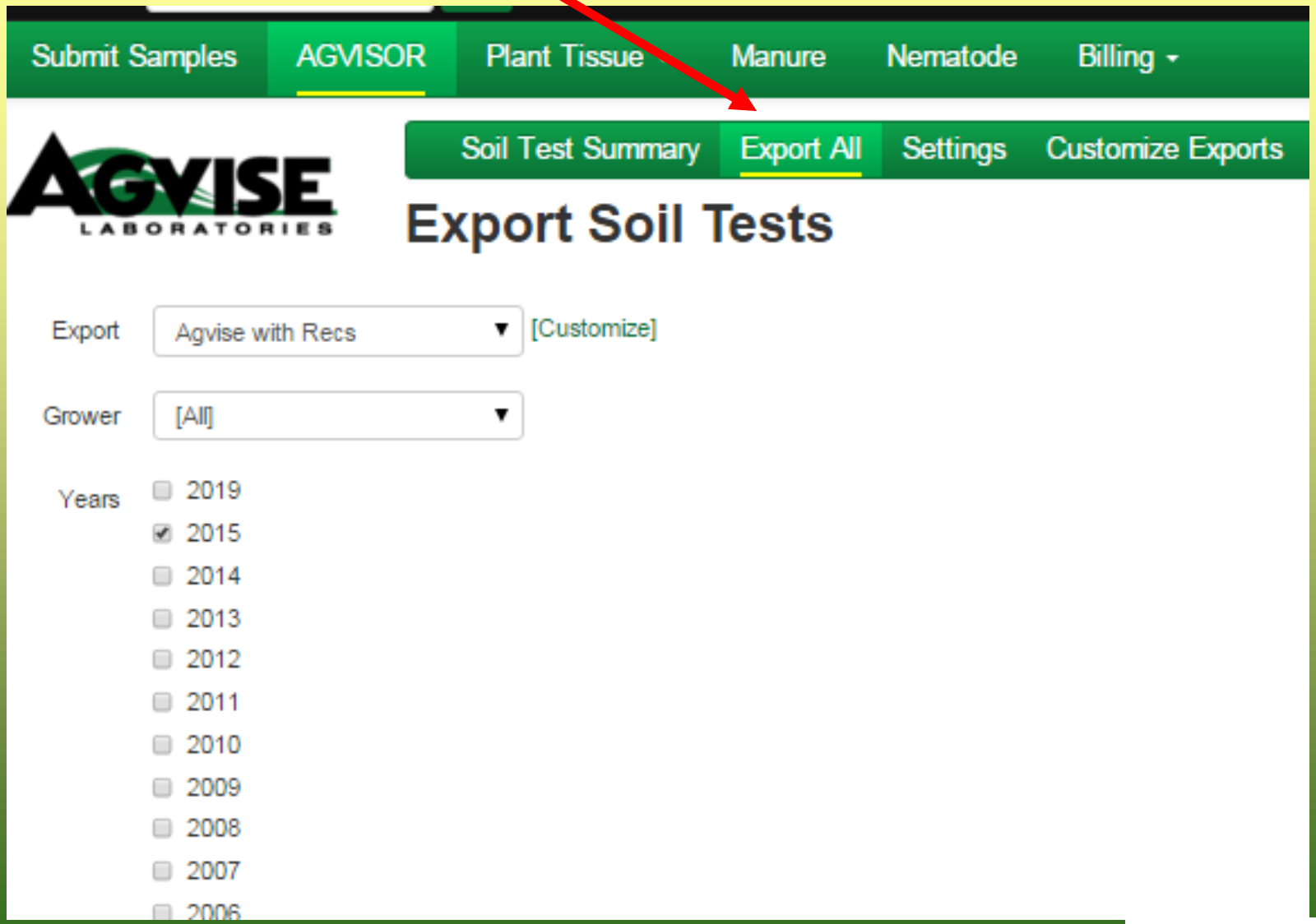
Customizing Export Formats

Your chosen items in your format

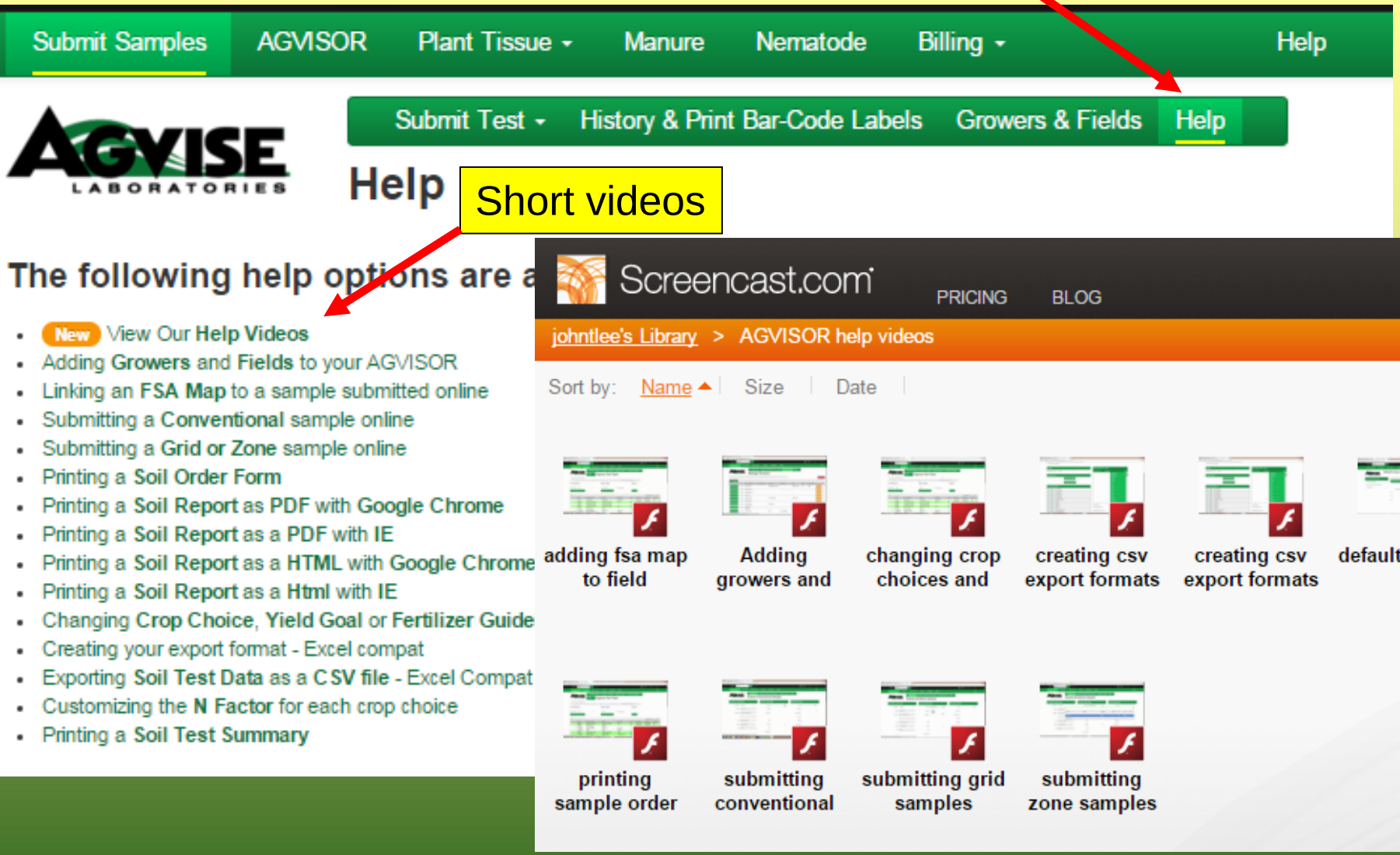
Customizing Export Formats



Export All: Annual Exporting



Helps in Agvisor



Thank You

Any Questions???

Have a Successful 2016