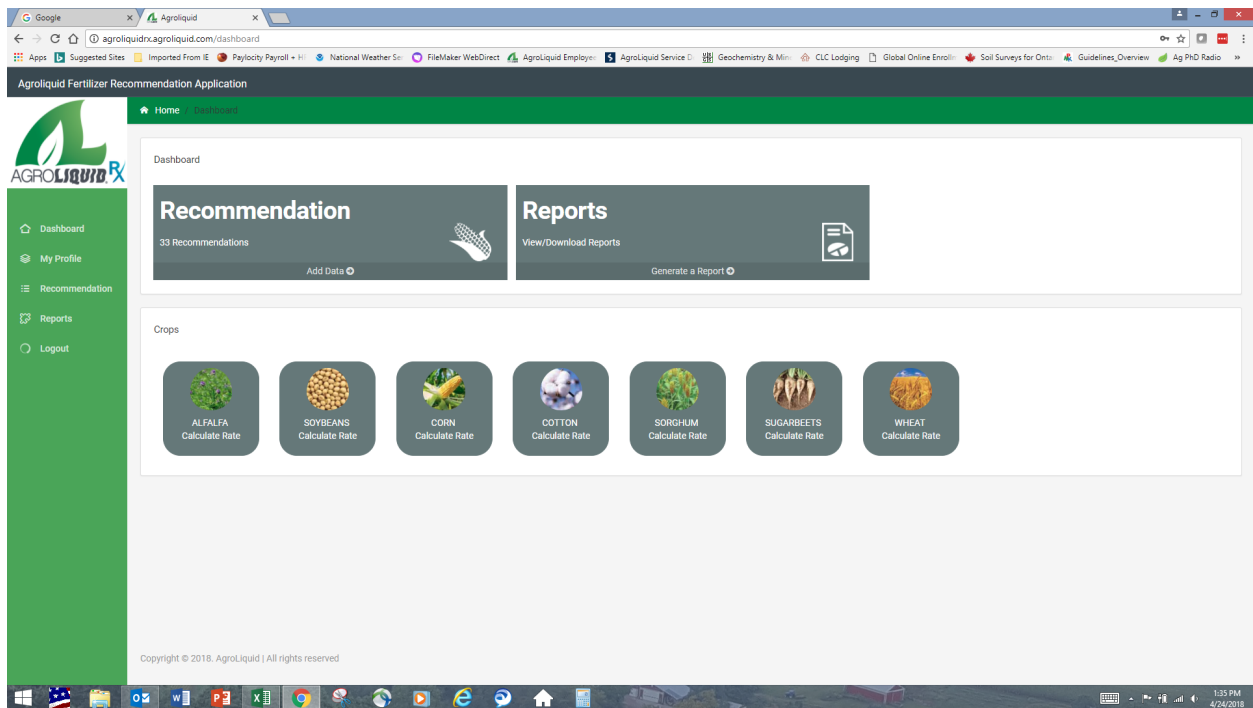# User Guide for the AgroLiquid Fertilizer Recommendation App

The following is a guide for using the AgroLiquid Fertilizer Recommendation App. This guide assumes that the user has been granted login credentials for the program located at agroliquidrx.agroliquid.com.
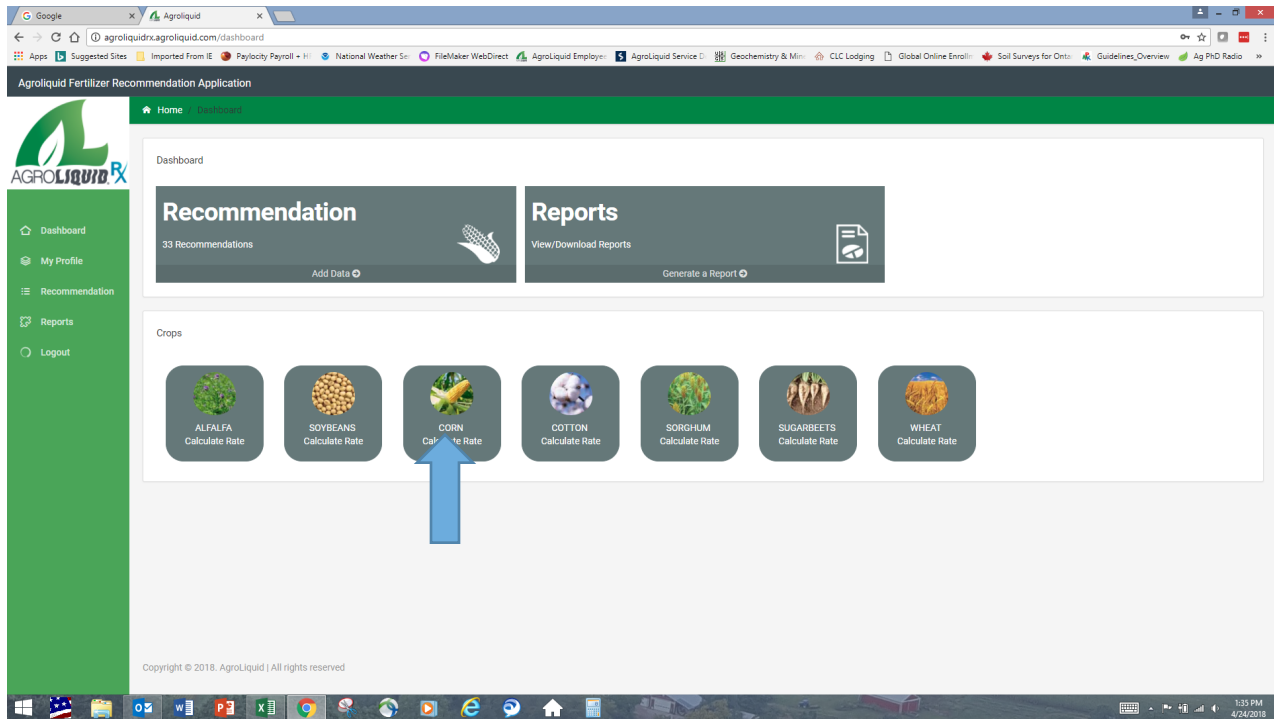
Home/Dashboard

The dashboard allows the user access to all features of the program. It allows the user to update profile information and change passwords. The dashboard also allows the user to select a crop on which to make a fertilizer recommendation, and see recommendation reports that has been generated by the user.

The following example demonstrates how to enter soil test information and AgroLiquid products to create a recommendation for corn with a yield goal of 200 bu/Acre.

1. Start a fertilizer recommendation

Click on the picture of the crop on which the recommendation is to be made.

The following screen will appear:

2. Enter Grower, Field, Date, and Zip Code information.
3. Enter new crop from the drop down list to the right of the New Crop line.
4. Enter yield goal in bushels/Acre. (Alfalfa and sugarbeet are to be entered as tons/Acre, and cotton is to be entered as bales/acre).
5. Enter previous crop from the drop down list to the right of the Old Crop line.
6. Enter soil test information in the lines next to the listed nutrient. **NOTE: nutrient values are to be entered as parts per million (PPM).** If the soil test reports nutrient values in pounds per acre (lb/a) divide that number by 2 to convert pounds per acre to parts per million.

7. Click "Calculate" in the lower right corner of the screen. The program will ask the user to verify the data entered. Click OK for each of the dialog boxes that are presented.

The recommendation information will appear, as well as the pounds of each nutrient per acre required for the crop based on the stated yield goal and soil test information.

NOTE: All recommendations are in gallons of each product per 1 acre. Partial gallons should be rounded up to the nearest quart, or pint.

If the soil test information provided indicates the need for a dry potassium or magnesium product a message will appear next to those nutrients in the "Phase 1 Result" section of the screen.

If the manganese soil test value is larger than the iron soil test value there will be a message stating that additional iron is recommended. That message will appear next to Iron in the "Phase 1 Result" section of the screen.

If soil test information for a nutrient is not entered there will be a message stating that no recommendation can be made. That message will appear next to the specific nutrient in the "Phase 1 Result" section of the screen.

Recommendations that are generated can be saved as a .pdf file by clicking "download to PDF."

The following is a PDF document that includes the Customer Details, Soil Test Values, Preferred Primary Nutrients, AgroLiquid Recommendation, and Phase 1 Result. This report can be saved to the users' computer.

Customer Details

Customer	Example	Date	04/24/2018
Field Location	Example	Zip Code	48879
New Crop	Corn	Yield Goal	200
Old Crop	Corn		

Soil Test Values

Phosphorus	12 ppm	Potassium	86 ppm
Calcium	3282 ppm	Magnesium	323 ppm
Manganese	3 ppm	Sodium	3 ppm
ENR	ppm	CEC	20.6 ppm
Iron	50 ppm	Boron	0.4 ppm
Copper	0.9 ppm	Sulfur	12 ppm
Zinc	1.3 ppm	%K Base Saturation	1.1
%Mg Base Saturation	13.1	%Ca Base Saturation	79.7

Preferred Primary Nutrients

Nitrogen	Phosphorus	Potassium
High NRG N	Pro Germ/PRG	Kalibrate

AgroLiquid Report
AgroLiquid

AgroLiquid Recommendation

SI No.	Products	Gallon	Notes
1	High NRG N	55.56	
2	Pro Germ/PRG	7.6	
3	Kalibrate	5.5	
4	Micro500	0.61	
5	Microlink Mn	0.69	

Phase 1 Result (in pounds per acre)

Nitrogen	250	Iron	0
Phorphorus	76	Boron	0
Potassium	55 Dry Potassium recommended	Copper	0
Zinc	4.9	Sulfur	26
Manganese	8	Magnesium	0

Any recommendation that was generated by a user can be viewed by that user. Click on Recommendation or Reports on the left side of the screen.
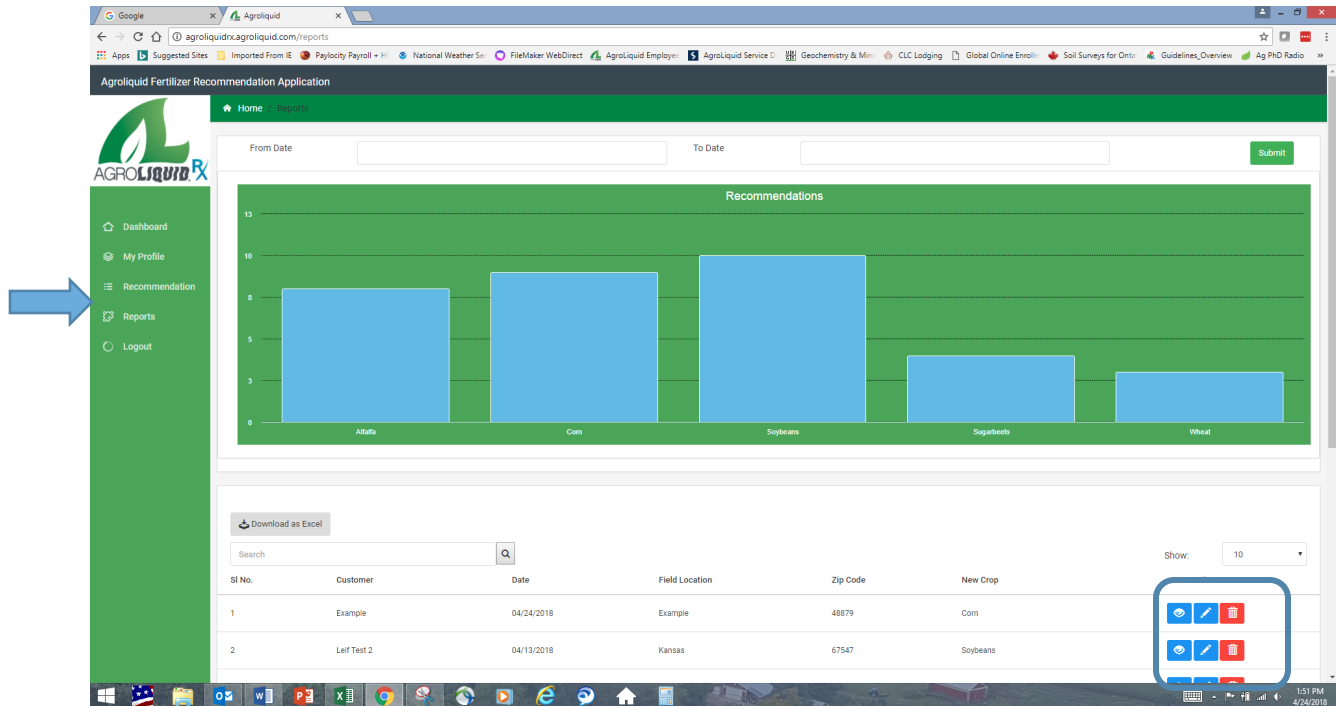
The chart at the top of the page indicates how many reports for each crop has been generated by the user. Below the chart is a list of individual recommendation reports. This list can be filtered by date range. Enter "From Date" and "To Date" in the boxes near the top of the screen and click "submit."

Individual reports can be viewed by clicking one of the blue boxes to the right of the report. There is not an option to edit the report.

Individual reports can be deleted by clicking the red box to the right of the report. Once a report is deleted it cannot be retrieved.

Logout:

It is recommended that users log out of the Fertilizer Recommendation App when the session is complete.