

EXPERIMENT INFO

Planted: 05/6/2016

Harvested: 11/27/2016

Hybrid: A7270G8 with Acceleron 250

Population: 34,000 seeds/ac

Row Width: 30"

Prev. Crop: Corn

Plot Size: 0.25 ac

SOIL DATA

pH: min: 6.6; max: 7.5

CEC: min: 8.4; max: 11.9

% OM: min: 1.3; max: 1.8

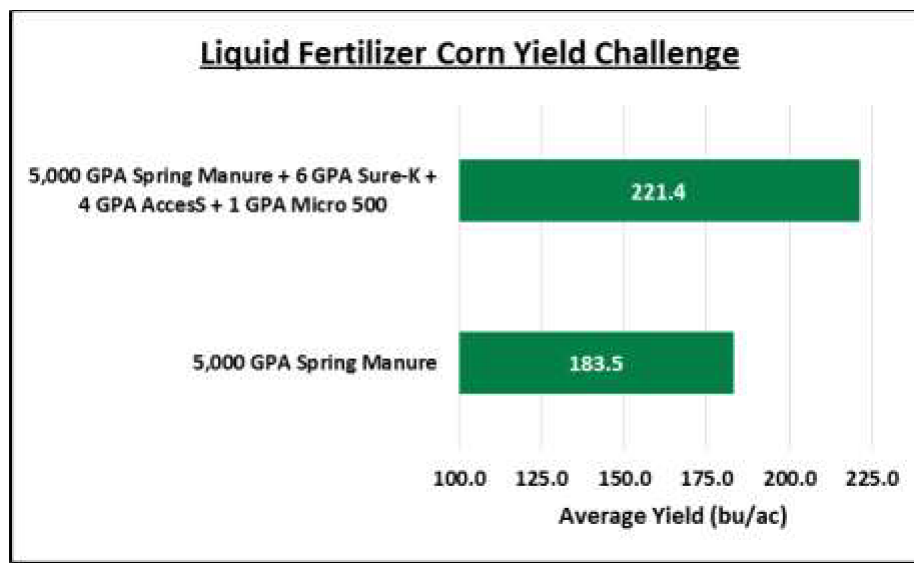
% P: min: 3.0; max: 22.0

% K: min: 0.8; max: 1.7

% Mg: min: 5.6; max: 11.4

% Ca: min: 76.3; max: 93.1

Liquid Fertilizer Corn Yield Challenge



Additional Trial Information:

Manure Application: 5,000 GPA hog manure applied April 22, 2016. Field was Turbo-tilled after manure application.

Manure Analysis:

Parameter	Analysis Result	Pounds per 1,000 Gallons
Dry Matter	1.1%	
Nitrogen (Total)	0.298%	29.8
NH ₄ -N	2621 ppm	26.2
Phosphorus (Total)	0.0264%	
Phosphate (P as P ₂ O ₅)	0.0607%	6.1
Potassium (Total)	0.1591%	
Potash (K as K ₂ O)	0.1909%	19.1
Sulfur	146.9 ppm	

Additional Fertilizer: 6 GPA Sure-K + 4 GPA AccesS + 1 GPA Micro 500 was applied over the period of July 20 to July 27, 2016.

Conclusions:

This year, the yield challenge was undertaken on a farm with a subsurface drip irrigation system. The soil samples and manure samples were analyzed to understand the nutrients required for the corn crop and used to develop the fertilizer program.

Ultimately, the treatment that included the AgroLiquid fertilizer program produced a yield advantage of 37.9 bu/ac.