

**Experiment Info:**

Planted:	5/26/2014
Harvest:	11/2/2014
Yield Goal:	150 bu/A
Target Fert.:	165-131-61
Variety:	P0255AM
Population:	30,000
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 1200
Replications:	4
Sidedress:	6/28/2014

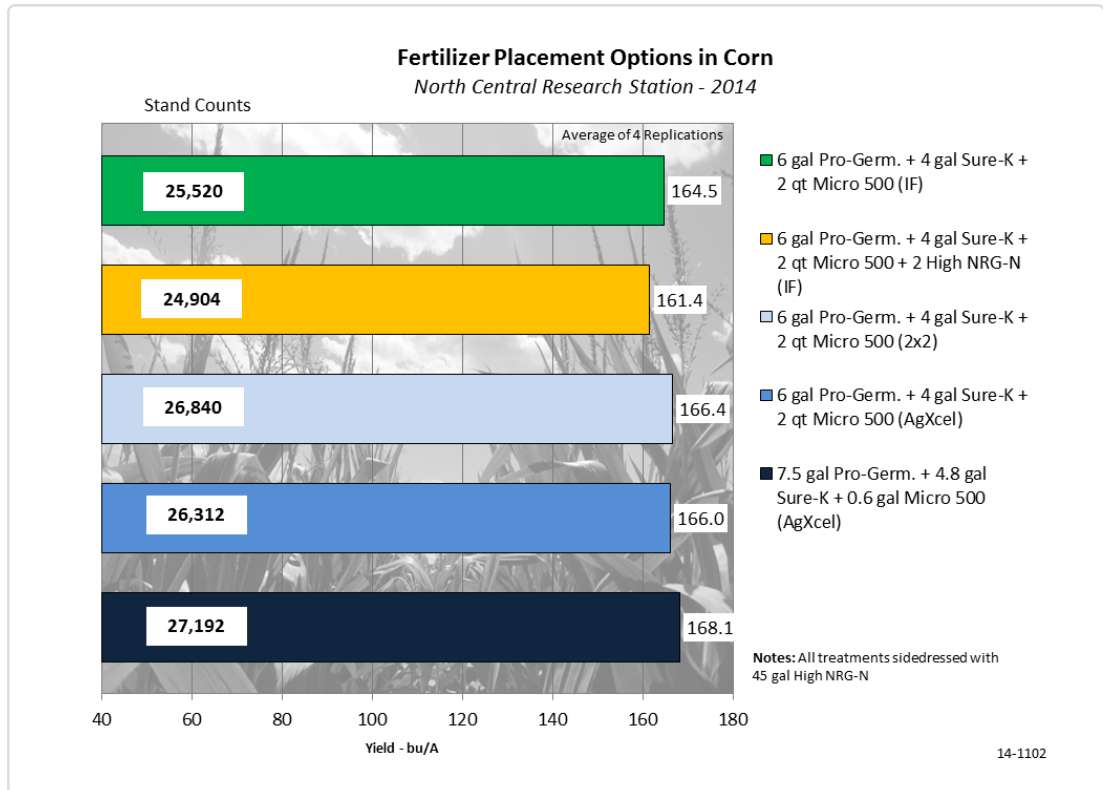
**Soil Test Values (ppm):**

pH:	7.2
CEC:	8.6
%OM:	1.6
Bray P1:	10
Bicarb P:	5
K:	104
S:	9
%K:	3.1
%Mg:	16.7
%Ca:	79.9
%H:	0
Zn:	1.1
Mn:	5
B:	0.4

**Objective:**

To compare different planter fertilizer placement options for corn.

The recommended fertilizer program for a 150 bu/ac yield goal was 6 gal/ac Pro-Germinator + 4 gal/A Sure-K + 2 qt/A Micro 500. One treatment also included 2 gal/A of High NRG-N with the planter in-furrow mix. This is not a recommended placement of nitrogen, only shown here for experimental purposes. Placement comparisons included in-furrow tube, 2x2 and AgXcel. The AgXcel places 3 gal of the rate with the in-furrow tube and the remainder of the rate 0x1. The last treatment in the chart below used an increased 1.25X rate of the recommended program. Stand count information, represented as number of plants per acre, is shown for each application on the respective bar in the chart below. The experiment was planted May 26th in favorable no till conditions at a planting population of 30,000 seeds per acre. Yields also appear in the chart below.



LSD(0.05) 11.9, CV: 4.8%

**Conclusions:**

- All treatments yielded very similar and surpassed the 150 bu/ac yield goal.
- Adding High NRG-N did slightly reduce yield. This proves again that additional early nitrogen beyond that in Pro-Germinator is not needed for a corn crop and there is a risk to extra nitrogen placed in-furrow.
- A 1.25X rate of the recommended program with AgXcel did have a slight yield advantage over the standard rate treatments, yielding the highest at 168.1 bu/A.
- All three placement methods are a safe and effective way to apply the AgroLiquid nutrients corn needs to provide excellent yields.