



# Quest for High Yielding Corn ( 16-719 )

## Experiment Info:

Planted:	6/1/2016
Harvest:	10/31/2016
Yield Goal:	250 bu/A
Target Fert.:	275-88-109
Variety:	DKC 46-36 RIB
Population:	37,000
Row Width:	30"
Prev. Crop:	Sugarbeets
Plot Size:	15 x 210
Replications:	4
FOL (VT)	07/28/2016
YD (V5)	07/08/2016
YD (V10)	07/25/2016

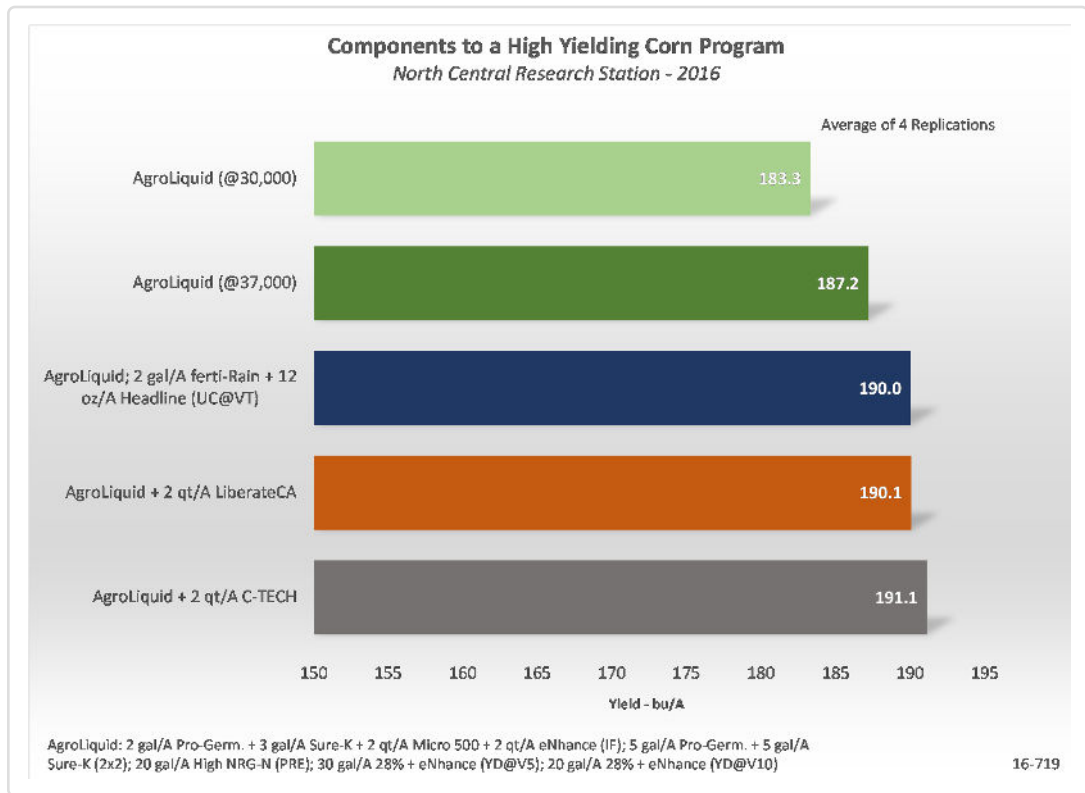
## Soil Test Values (ppm):

pH:	7
CEC:	17.7
%OM:	4.9
Bray P1:	16
Bicarb P:	15
K:	108
S:	25
%K:	1.6
%Mg:	21
%Ca:	76.7
%H:	
Zn:	1.3
Mn:	3
B:	.6

## Objective:

To evaluate program components needed for a high yielding corn program.

Many aspects of crop management go into growing high yielding corn. AgroLiquid choose to look at specific nutrients along with population on this experiment. The target planting population chosen for the treatments was 37,000 seeds/A, with one treatment receiving a target of 30,000 seeds/A, planted for comparisons. A standard soil test recommended AgroLiquid planter program was used on all treatments. Previous success has been the addition of 2 gal/A FertiRain + 12 oz/A Headline applied using 360 Yield UnderCover at the VT stage, and this was one treatment. An additional 2 qt/A LiberateCa was added with the AgroLiquid planter program for calcium benefits. And third, 2 qt/A C-TECH was added to the AgroLiquid planter program for beneficial carbon addition. Yields for the June 1st planted corn appear in the chart below.



## Conclusions:

- All additional additives added yield to the AgroLiquid planter program. FertiRain and fungicide application added 2.8 bu/A and the addition of C-TECH added 3.9 bu/A over the high population AgroLiquid planter program.
- Very good yields were achieved even with the very late planting date and very dry conditions for the early summer months.
- Achieving higher yields can simply be one or more additional nutrients to boost the current yield average.