



Nitrogen Combinations in Corn. 2017

Experiment Info:

Planted:	5/18/2017
Harvest:	11/1/2017
Yield Goal:	
Target Fert.:	
Variety:	
Population:	
Row Width:	30"
Prev. Crop:	Soybean
Plot Size:	15' X 95'
Replications:	4

Soil Test Values (ppm):

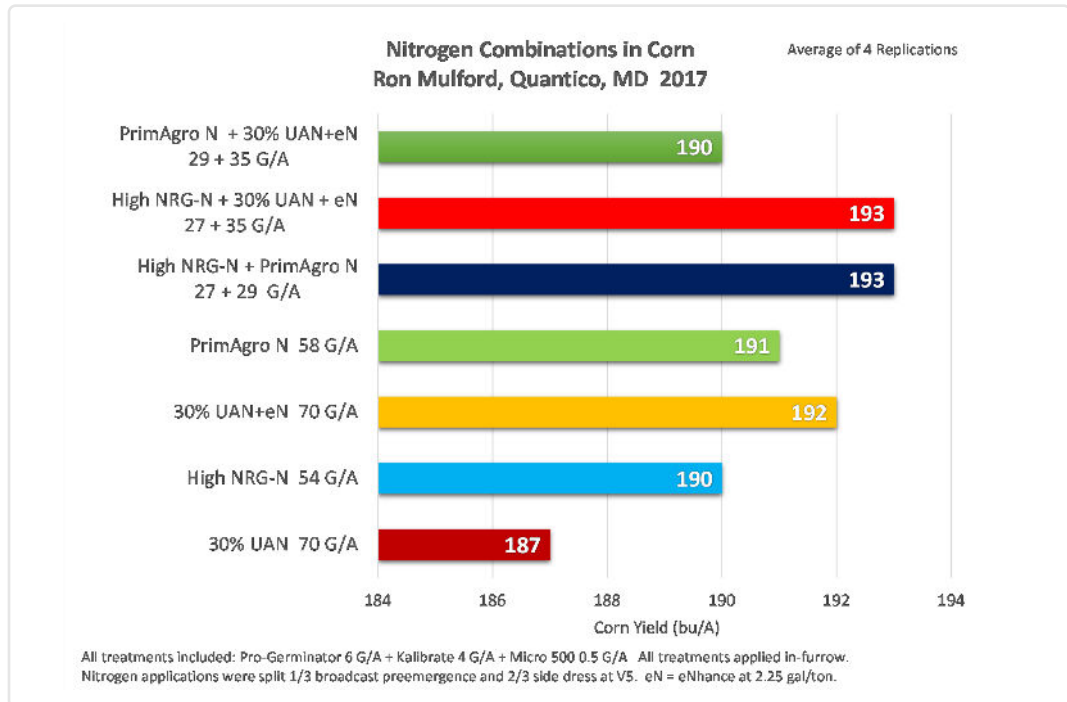
pH:	7.0
CEC:	5.3
%OM:	2.5
Bray P1:	22
Bicarb P:	
K:	107
S:	9
%K:	5
%Mg:	10
%Ca:	80
%H:	4
Zn:	0.76
Mn:	40.3
B:	

Objective:

Evaluate the effectiveness of nitrogen sources and combinations on corn yield.

This trial was conducted by Ron Mulford, contract researcher, near Quantico, MD.

High NRG-N has an approximately 90 day control release and PrimAgro N has an approximately 15 - 40 day control release. This trial evaluated the effectiveness of the AgroLiquid nitrogen products High NRG-N and PrimAgro N applied alone and in combination with each other or in combination with 30% UAN + eNance to determine if there is an optimum ratio of controlled release nitrogen and immediately available nitrogen for corn production.



Conclusions:

- All nitrogen products and combinations provided higher yields than 30% UAN. There was a 3 bu/A difference in yield between AgroLiquid products and combinations, and 30% UAN + eNance preformed as well as AgroLiquid nitrogen products.
- Since all AgroLiquid product combinations performed similarly to the AgroLiquid products applied alone there did not appear to be an advantage of using product combinations in this trial.