



Corn Fertilizer Program Comparisons

Matthews Family Farm (North Carolina): 2023

Experiment Info	
Planted:	
Harvested:	
Yield Goal:	
Variety:	
Pop.:	
Row Width:	
Prev. Crop:	
Plot Size:	
Reps:	

Objective:

This trial evaluated an AgroLiquid fertility program against the grower standard, along with an AgroLiquid program with additional potassium and calcium to address the growers concerns of low tissue levels in season.

For treatment one, a planter application of Pro-Germator, Micro 1000 and LiberateCa was applied in-furrow and Kapitalize was added to the grower standard 2x2 application.

Treatment two utilize the same program as treatment one but additional Kapitalize with the post herbicide and fungicide applications.

Soil Test (ppm)	
pH:	6.5
CEC:	13.6
%OM:	3.4
Bray P1:	122
Bicarb P:	
K:	468
S:	46.6
%K:	4.4
%Mg:	15.6
%Ca:	52.7
%H:	26.5
Zn:	54.1
Mn:	318.5
B:	1.8

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Program	Yield	+/- GS
Grower Standard	252.15	
3 gal Pro-Germ. + 2 qt Micro 1000 + 2 qt LiberateCa (planter) 5 gal Kapitalize (2x2)	239.24	-12.91
3 gal Pro-Germ. + 2 qt Micro 1000 + 2 qt LiberateCa (planter) 5 gal Kapitalize (2x2) 2 gal Kapitalize (Post Herb) 2 gal Kapitalize (Fung)	253.39	1.24

Conclusions:

- The AgroLiquid program yielded nearly 13 bu/A lower than the grower standard program.
- The additional Kapitalize to address potassium and calcium concerns did improve tissue levels and provided the highest yield at 253 bu/A.