Soybean Fertilizer Program Comparisons

Chestnut Manor Farms (Maryland): 2023

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

Soil Test (ppm)	
pH:	5.8
CEC:	6.1
%OM:	2.4
Bray P1:	82
Bicarb P:	
K:	213
S:	19
%K:	9.0
%Mg:	16.4
%Ca:	54.1
%H:	19.5
Zn:	6.3
Mn:	50
B:	0.75

Objective:

This soybean trial was established to compare a grower standard fertilizer program to an AgroLiquid fertility program. The program addressed the soils needs and replaced key products in the grower standard program. A second AgroLiquid treatment took the planter program and added three foliar applications of fertiRain and Kapitalize. Finally a third AgroLiquid treatment build off the previous treatment and added eNhance and MicroLink Boron into the foliar passes.

Treatment rates and yield appear on the table below.

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Program	Yield	+/-
Grower Standard	136	
2 gal High N + 2.5 gal Pro-Germ.+ 1 qt Micro 500 + 1 qt LiberateCa + 1 qt Boron + 1 pt Moly (2x2)	131	*-5*
2 gal High N + 2.5 gal Pro-Germ.+ 1 qt Micro 500 + 1 qt LiberateCa + 1 qt Boron + 1 pt Moly (2x2) 1 gal fertiRain + 1 gal Kapitalize (foliar x3)	135	*-4*
2 gal High N + 2.5 gal Pro-Germ.+ 1 qt Micro 500 + 1 qt LiberateCa + 1 qt Boron + 1 pt Moly (2x2) 1 gal fertiRain + 1 gal Kapitalize + 1 pt Moly (foliar x3)	146	*10*

Conclusions:

- The AgroLiquid planter program yielded slightly lower than the grower standard.
- Highest yield was achieved with the full foliar program ithat added Moly to the foliar application.