Foliar Fertilizer Options in Soybeans 2017

University of Maryland: Quantico, MD

Experiment Info:	
Planted:	5-25-2017
Harvest:	10-28-2017
Yield Goal:	
Target Fert.:	
Variety:	
Population:	
Row Width:	18"
Prev. Crop:	Corn
Plot Size:	14' X 95'
Replications:	4

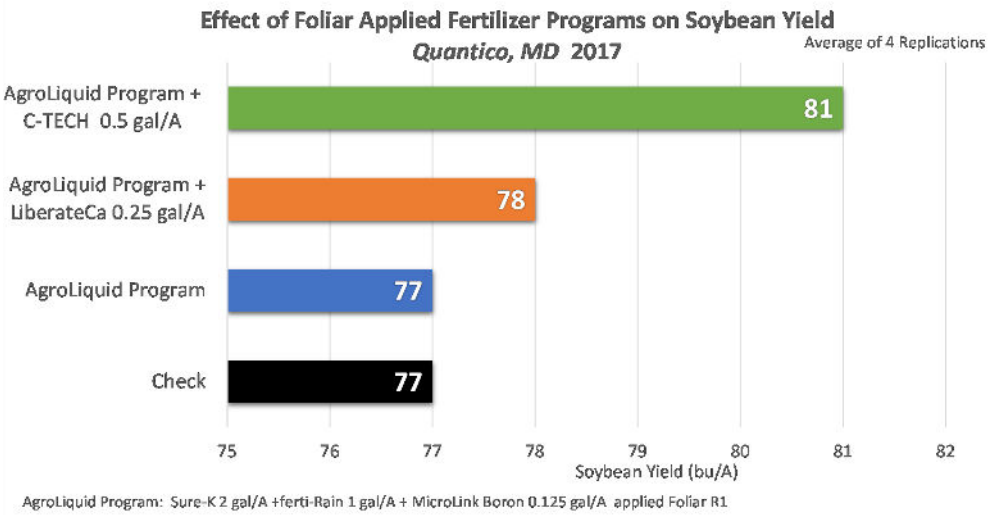
Soil Test Values (ppm):	
pH:	7.0
CEC:	4.9
%OM:	2.4
Bray P1:	15
Bicarb P:	
K:	70
S:	8
%K:	4
%Mg:	13
%Ca:	78
%H:	5
Zn:	1.3
Mn:	81
B:	0.7

Objective:

Evaluate the effect of several foliar fertilizer programs on soybean yield.

This trial was conducted by former University of Maryland researcher Ron Mulford. It was conducted on a commercial soybean field near Quantico, MD.

Sure-K at 2 gal/A + ferti-Rain at 1 gal/A + MicroLink Boron at 0.0125 gal/A applied to soybeans at R1 growth stage was used as the base program for all treatments. LiberateCa at 0.25 gal/A or C-TECH at 0.5 gal/A was added to the base program. All fertilizer treatments were compared to the no-fertilizer check.



Conclusions:

- The addition of Sure-K + ferti-Rain + MicroLink boron, and the addition of LiberateCa did not improve yields compared to the no-fertilizer check. High calcium levels in the soil may explain the lack of yield response due to LiberateCa.
- Addition of C-TECH to the base program did increase yield by 4 bu/A compared to the no-Fertilizer check.