



In-Furrow 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

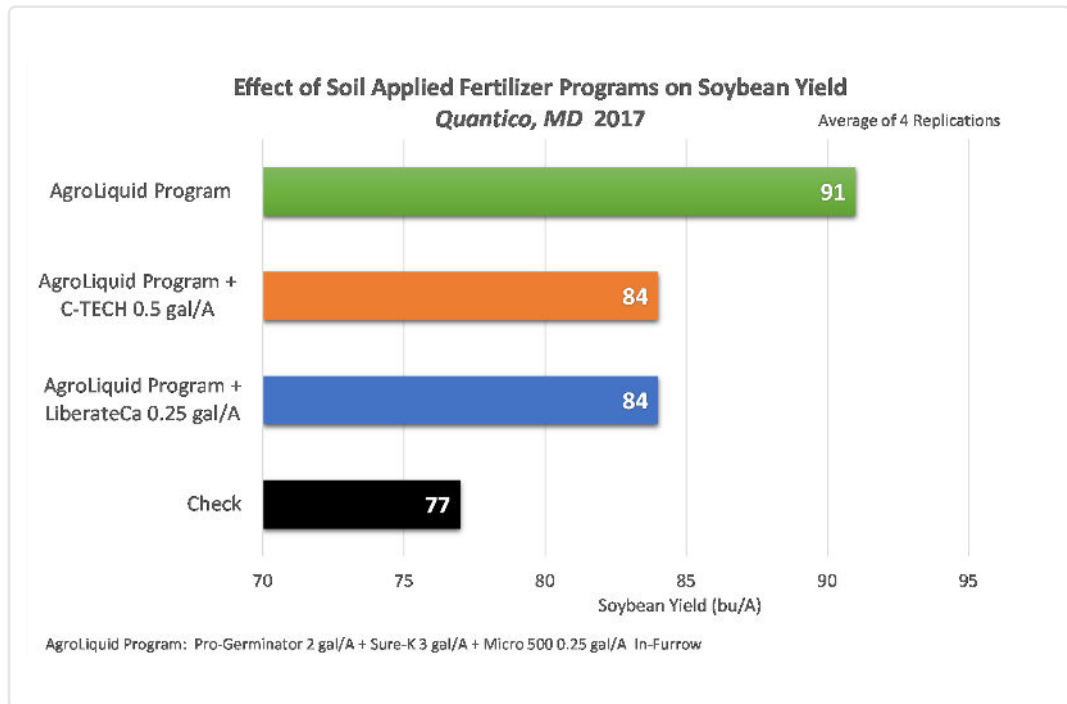
Soil Test Values (ppm):

pH:	6.8
CEC:	3.9
%OM:	2.2
Bray P1:	12
Bicarb P:	
K:	74
S:	7
%K:	5
%Mg:	13
%Ca:	76
%H:	6
Zn:	0.6
Mn:	59
B:	0.6

Objective:

Evaluate the effect of different fertilizer options applied in-furrow on soybean yield.

This trial was conducted by Mr. Ron Mulford, retired University of Maryland researcher on a commercial soybean field near Quantico, MD. Pro-Germinator at 2 gal/A + Kalibrate at 3 gal/A + Micro 500 at 0.25 gal/A were used as the base program for all in-furrow treatments. LiberateCa at 0.25 gal/A or C-TECH at 0.5 gal/A were added to the base program. All treatments were compared to a no fertilizer check.



Conclusions:

- All fertilizer treatments provided better yield (+7 - 14 bu/A) than the no fertilizer check.
- The base program of Pro-Germinator + Kalibrate + Micro 500 provided the best overall yield in this trial. Since calcium levels in the soil are adequate to high, LiberateCa did not improve soybean yield over the base program.
- The addition of C-TECH did not improve yield compared to the base program. This was not expected as C-TECH usually provides yield benefits in sandy soils such as what was at this location.