



Effect of Foliar Manganese on Soybean Yield

Beecher City, IL

Experiment Info:

Planted:	4-4-2017
Harvest:	9-16-2017
Yield Goal:	
Target Fert.:	
Variety:	Chanel 3219
Population:	
Row Width:	30"
Prev. Crop:	Corn
Plot Size:	2 acre
Replications:	1

Soil Test Values (ppm):

pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

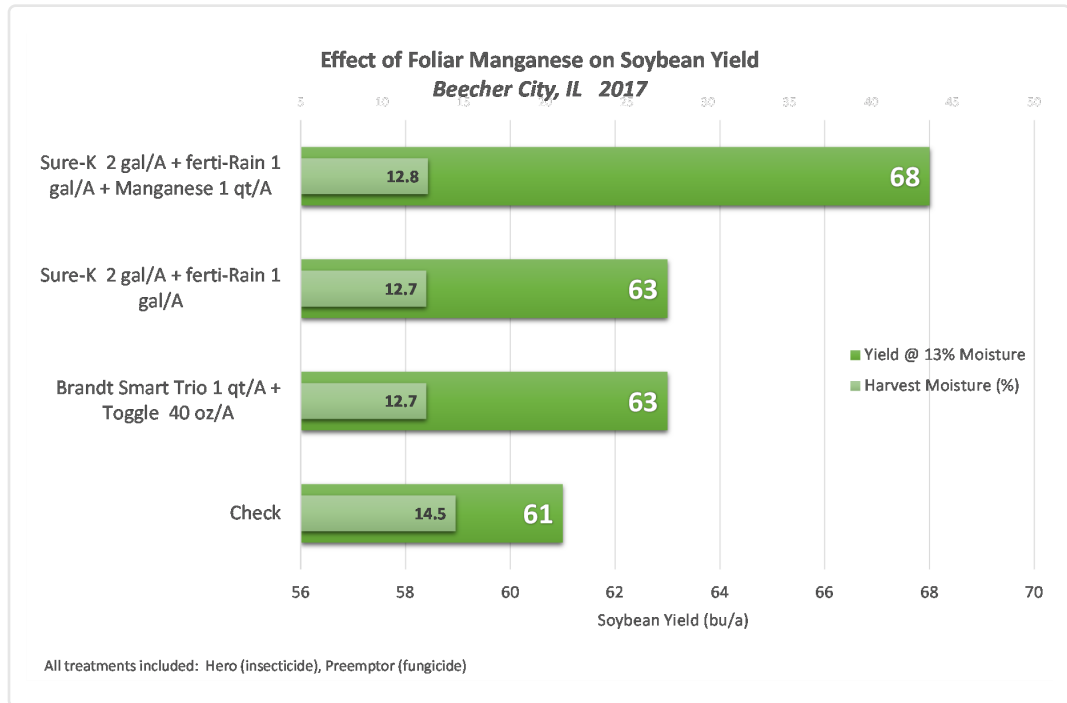
Objective:

Evaluate the effectiveness of MicroLink Manganese as a foliar fertilizer treatment in soybeans.

The trial compared an AgroLiquid foliar fertilizer program of Sure-K (2 gal/A) + ferti-Rain (1 gal/A) with and without MicroLink Manganese. Those programs were compared to a local competitor Brandt Smart Trio (a combination of nitrogen, sulfur, boron, manganese and zinc) + Toggle biological additive.

Foliar treatments were applied to soybeans at the R2 growth stage.

Soybean yields and grain moisture are in the following chart.



Conclusions:

- The Sure-K + ferti-Rain foliar fertilizer treatment did provide a small yield benefit (+2 bu/A) compared to the no foliar fertilizer check.
- The addition of 1 qt/A MicroLink Manganese improved yield by 7 bu/A compared to the check and 5 bu/A compared to the Sure-K + ferti-Rain program or the commercial standard.

The foliar fertilizer treatments reduced harvest moisture of the soybeans, indicating earlier maturity.

Manganese provided a yield benefit in this trial. A soil test would be a useful guide to design a well planned foliar crop nutrition program.