



# Soybean Micronutrient In-Furrow Study ( 24-1203.1 )

## Experiment Info:

Planted:	5-2-2024
Harvest:	9/19/2024
Yield Goal:	65 bu/A
Target Fert.:	
Variety:	XO 2181E
Population:	135000
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 350
Replications:	6

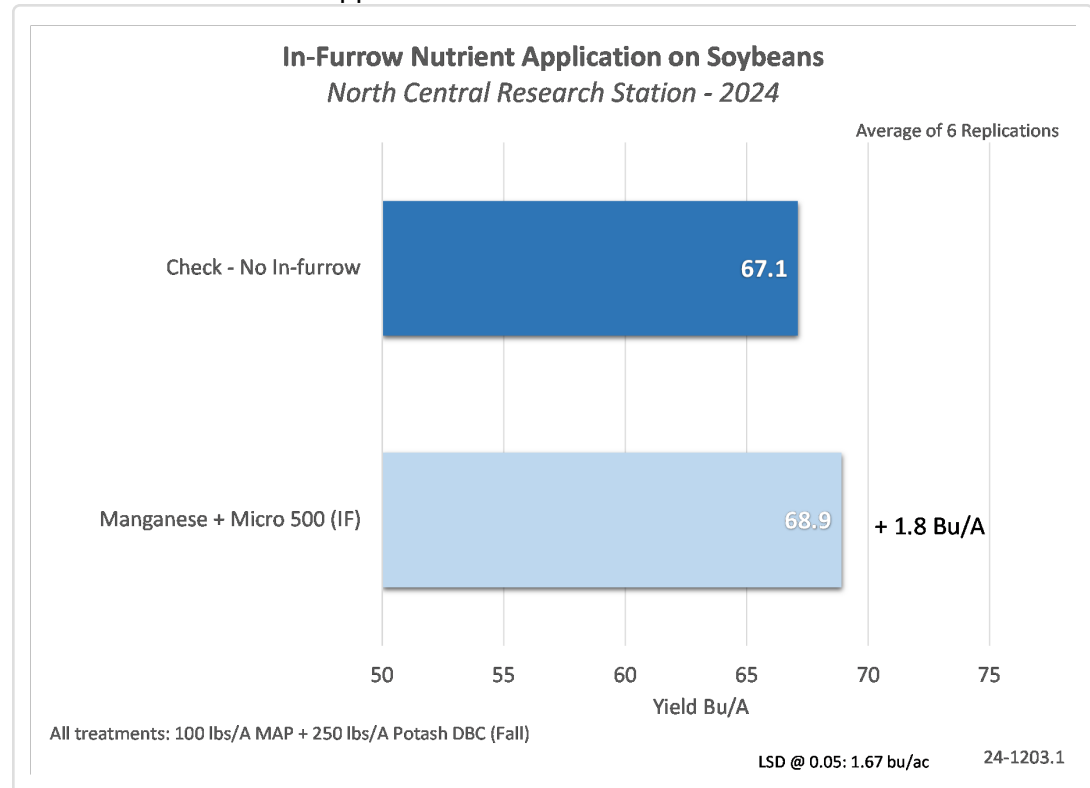
## Soil Test Values (ppm):

pH:	7.5
CEC:	19.4
%OM:	5
Bray P1:	9
Bicarb P:	8
K:	111
S:	4
%K:	1.5
%Mg:	25
%Ca:	73.3
%H:	0
Zn:	.9
Mn:	2
B:	.6

## Objective:

To evaluate the use of micronutrients placed in-furrow and its effect on soybean yields.

This experiment only compared the use of 1 qt/A Micro 500 + 1 pt/A Manganese placed in-furrow to a check of no in-furrow micronutrients. There were no other fertilizers placed on the field with the planter or foliar. A dry fertilizer application of 100 lbs/A MAP + 250 lbs/A potash was spread the previous fall and a vertical till pass was made on the previous corn stalks. The soybeans were planted into a stale seedbed on May 2nd at a population of 135,000 in 30" rows. The soil pH here was 7.5 which could cause micronutrients to be less available in the soil. AgroLiquid Micro 500 contains zinc, iron, manganese, copper and boron to uniquely feed a crop the desired balance of those nutrients. The addition of AgroLiquid MicroLink Manganese added more of this beneficial nutrient that this soil test called for. Yield results appear in the chart below.



LSD(0.5):1.67 bu/A

## Conclusions:

- The addition of Micro 500 and Manganese gave these soybeans a boost of the micronutrients that were not readily available in this soil.
- The 1.8 bu/A average yield over 6 replications was significant yield increase above the check.
- Consider "spiking" an individual micronutrient to Micro 500 if the soil test is highly deficient in any nutrient important to the crop that is being grown.
- A complete soil test that includes micronutrient results is important to have and utilize in making a proper fertility recommendation for any crop.