



Micro 500 Evaluation (23-1219)

Experiment Info:

Planted:	5/22/2023
Harvest:	11/15/2023
Yield Goal:	180 bu/A
Target Fert.:	
Variety:	P0035 AM
Population:	32000
Row Width:	30"
Prev. Crop:	Soybeans
Plot Size:	15 x 120
Replications:	4

Soil Test Values (ppm):

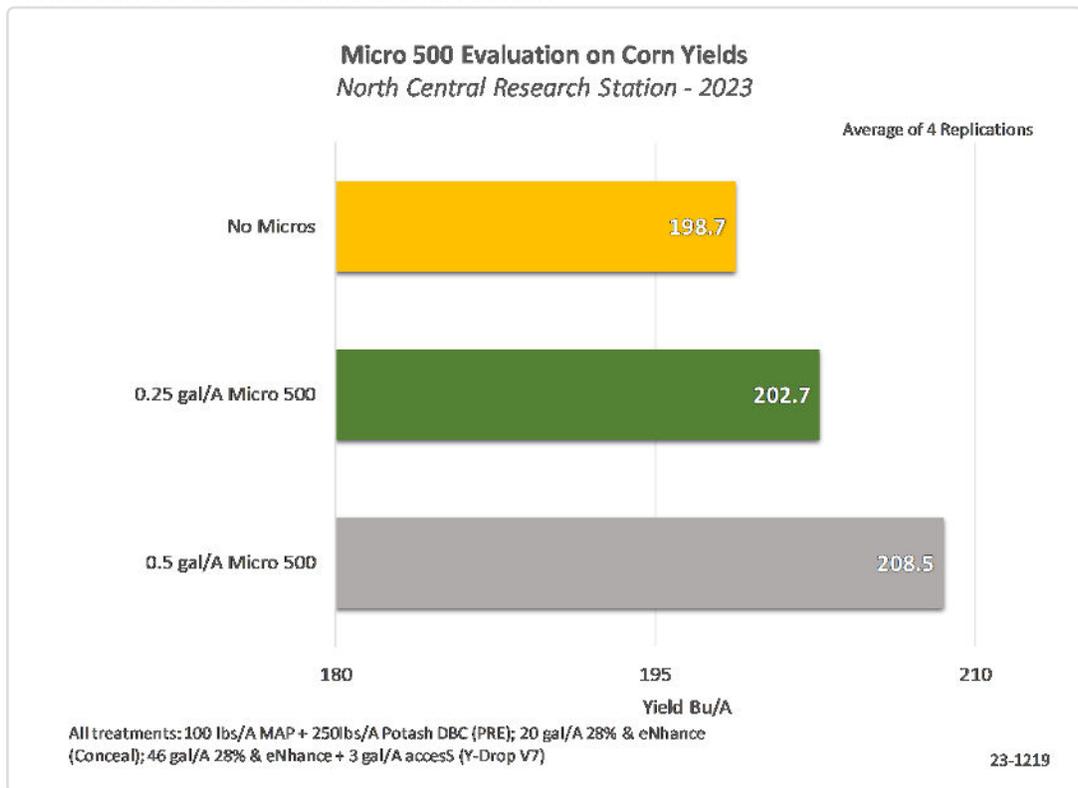
pH:	7.1
CEC:	19.1
%OM:	7.6
Bray P1:	15
Bicarb P:	17
K:	64
S:	9
%K:	.9
%Mg:	20.6
%Ca:	78.3
%H:	0
Zn:	2.2
Mn:	3
B:	.7

Objective:

Evaluation of the performance of AgroLiquid's Micro 500 in corn.

This corn experiment compared either one or two quarts of Micro 500 placed in-furrow at planting to a no micro nutrient check. There was no other starter fertilizer placed with the seed to minimize any nutrient uptake affects between the comparisons. A dry broadcast application of MAP and potash was applied to soybean stubble in the fall of 2022. Nitrogen was applied with the planter and as a sidedress with Y-Drops at V7. According to the previous fall soil test (shown at the lower left), zinc, manganese and boron all were considered low.

Micro 500 contains zinc, manganese, iron, copper and boron in a balanced combination. A normal recommendation based on this soil test would be 2 qts/A for a 200 bushel yield goal. Yields can be observed in the chart below.



LSD(0.1)5.6; CV:3.8

Conclusions:

- Both the one quart and two quarts of Micro 500 placed in-furrow resulted in a yield increase over the check.
- The 2 quart per acre rate of Micro 500 had a significant yield advantage over the no micro check which shows the low soil test values are one of the limiting factors to higher yields on this soil.