



Effect of micronutrients on soybean yield.

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Experiment Info:

Planted:	5-15-2018
Harvest:	11-1-2018
Yield Goal:	
Target Fert.:	
Variety:	
Population:	
Row Width:	19"
Prev. Crop:	
Plot Size:	15' X 50'
Replications:	4

Soil Test Values (ppm):

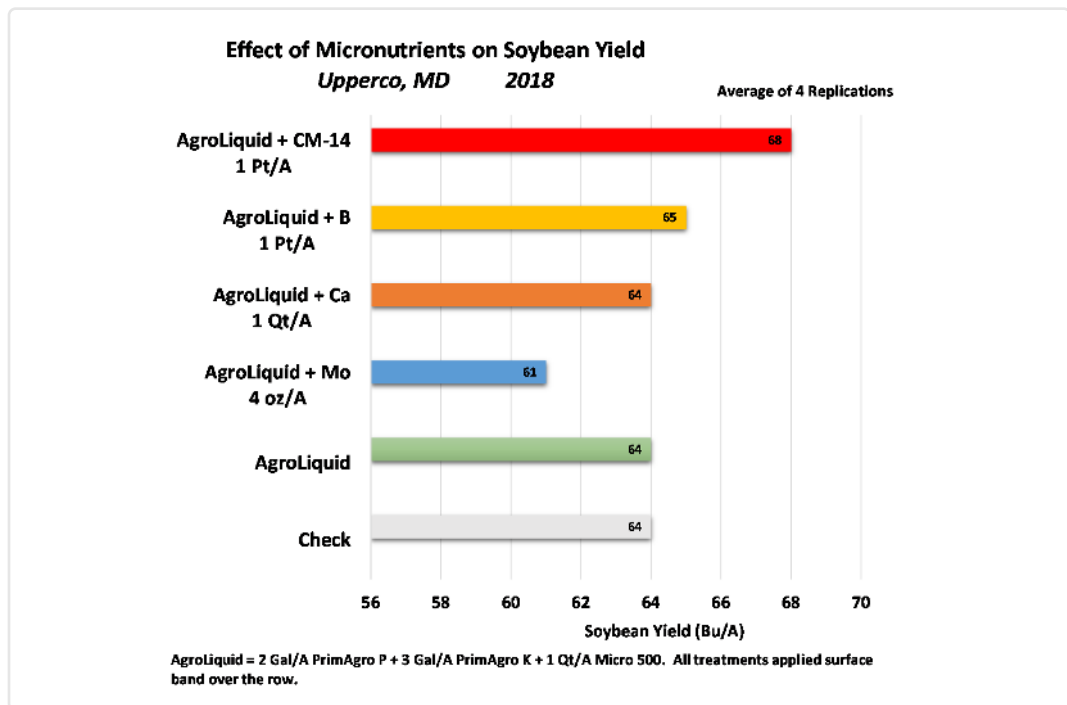
pH:	6.8
CEC:	5.0
%OM:	2.7
Bray P1:	13
Bicarb P:	
K:	82
S:	7
%K:	4
%Mg:	7
%Ca:	83
%H:	6
Zn:	1.1
Mn:	40.4
B:	0.6

Objective:

Evaluate the effect of various micronutrients on soybean yield.

Soybeans were planted May 15, 2018. Fertilizer treatments were applied in a 4" band over the seed at the soil surface 4 days after planting. All treatments except the check received PrimAgro P 2 gal/a + PrimAgro K 3 gal/a + Micro 500 0.25 gal/a. That combination is the "AgroLiquid" treatment. Specific micronutrients were added to the AgroLiquid combination in their respective treatments.

Soybeans were harvested November 1, 2018.



LSD (0.20) = 3.5 bu/a

Conclusions:

- Experimental product CM-14 (cobalt + molybdenum) in combination with the base AgroLiquid program provided the best soybean yield in this trial. That is consistent with other field trials in 2017 and 2018 showing the benefit of CM-14 for soybean yield.
- The other micronutrients, or Liberate Ca, did not provide additional yield response compared to the AgroLiquid program. This may be due to the surface band placement of the fertilizer instead of in-furrow or 2X2.