



Soybean Fertility Program

Elite Research: Aurora, NE

Experiment Info	
Planted:	5/15/23
Harvested:	10/8/23
Yield Goal:	
Variety:	As 29XF1
Pop.:	160
Row Width:	
Prev. Crop:	
Plot Size:	4rowsX47
Reps:	4

Soil Test (ppm)	
pH:	5.7
CEC:	13.5
%OM:	3.5
Bray P1:	32
Bicarb P:	
K:	420
S:	7.4
%K:	8
%Mg:	10
%Ca:	49
%H:	33
Zn:	2.38
Mn:	14.4
B:	0.5

Objective:

To determine efficacy of in-furrow and foliar programs on soybeans in eastern Great Plains soils.

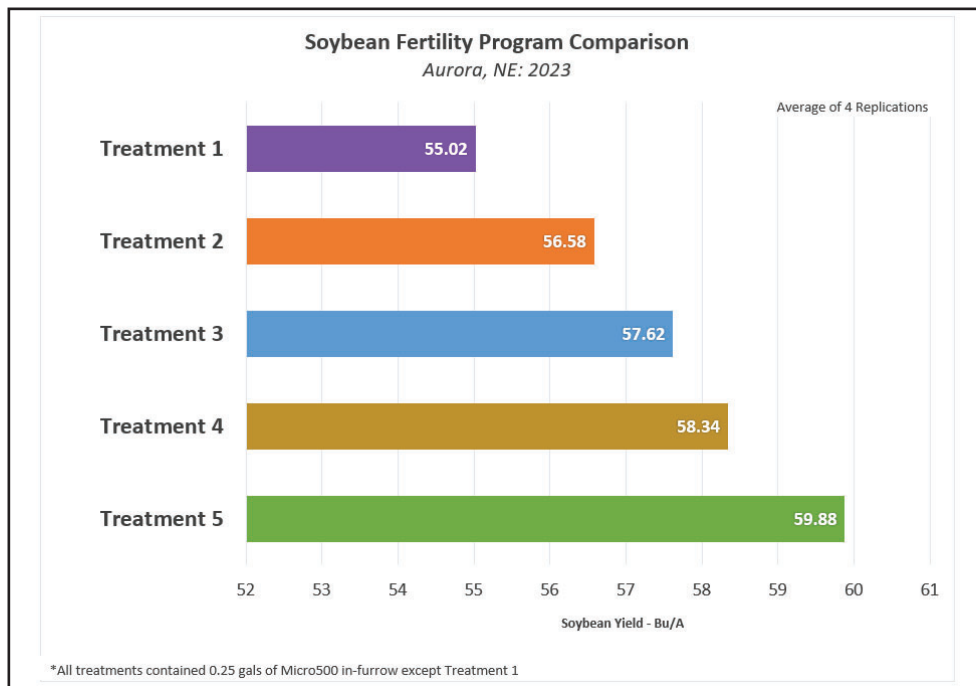
Treatment 1: Check

Treatment 2: 1.5 gal/A ProGerm, 1.5 gal/A SureK

Treatment 3: Treatment 2 + 1qt/A LiberateCa

Treatment 4: Treatment 2 + Foliar - 1 gal/A FertiRain, 1 gal/A SureK

Treatment 5: Treatment 4 + Foliar - 1 qt/A LiberateCa



Conclusions:

All treatments showed improvement over the check.

Foliar applications in treatment 4 and 5 showed some promise.

The low calcium and resulting low pH may have been ultimately limiting yield to a point where applications of potassium and phosphorus were ineffective.