



Corn Sulfur Fertilizer Source Comparison

Nutrien Research Farm: Hopkinsville, KY

Experiment Info:

Planted:
Harvest:
Yield Goal:
Target Fert.:
Variety:
Population:
Row Width:
Prev. Crop:
Plot Size:
Replications:

Objective:

To evaluate sulfur fertilizer sources applied with UAN applications.

AgroLiquid offers two sulfur products that can be used in conjunction with UAN nitrogen applications. AccesS is used when high rates of sulfur are required for crop production. eNhance is helps enhance the UAN to reduce nitrogen loss, but also contains sulfur. This trial compared 2 gal/A accessS applied with UAN to a blend of UAN with eNhance and 1 gal/A of accesS. Both AgroLiquid treatments were compared to conventional sulfur source ammonium thiosulfate (ATS) at 5 gal/A and a no sulfur check.

Yield results appear on the table below.

Sulfur Source and Rate Comparison Nutrien Research Farm, KY

Treatment	Yield (Bu/A)
Check	228.7
+ 5 gal ATS	229.4
+ 1 gal AccesS + eNhance	236.2
+ 2 gal AccesS	235.4

Soil Test Values (ppm):

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

Conclusions:

- All sulfur applications increased yield over the no-sulfur check.
- The conventional sulfur source, ATS yielded similar to no-sulfur, improving yield by less than a bu/A.
- The two AgroLiquid sulfur options yielded around 7 bushels higher than the no-sulfur check, thus showing there are many product options and combinations that can effectively deliver the sulfur a crop needs.