



Economic Corn Fertility Program Comparison

Nutrien Research Farm: Hopkinsville, KY

Experiment Info:

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

Soil Test Values (ppm):

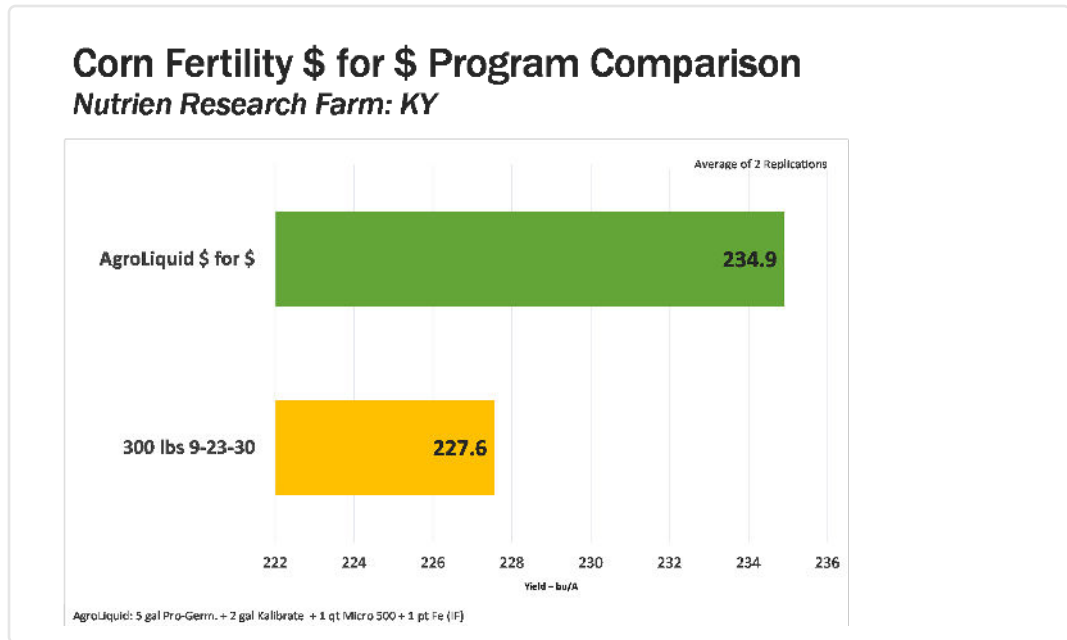
pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

Objective:

To evaluate an AgroLiquid fertility program to a conventional dry program based on program costs.

AgroLiquid developed a fertility program which included 5 gal/A Pro-Germinator, 2 gal/A Sure-K, 1 qt/A Micro 500 and 1 qt/A MicroLink iron to match the same dollars spent on a conventional dry program of 300 lbs/A 9-23-30. Programs were applied to a corn crop and both treatments received the same amount of nitrogen throughout the season. Yield was evaluated at harvest to determine which program provided the best economic return on fertilizer dollars spent.

Yield results of the two programs appear on the chart below.



Conclusions:

- The AgroLiquid program yielded over 7 bu/A higher than the equal dollar program of dry 9-23-30.
- Comparing two fertility programs costing the same dollars per acre has shown that the higher efficiency AgroLiquid program can produce similar, or in the case, better yields than conventional dry fertilizer thus improving profit.