



Fertilizer Additives in a Y-Drop System

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):

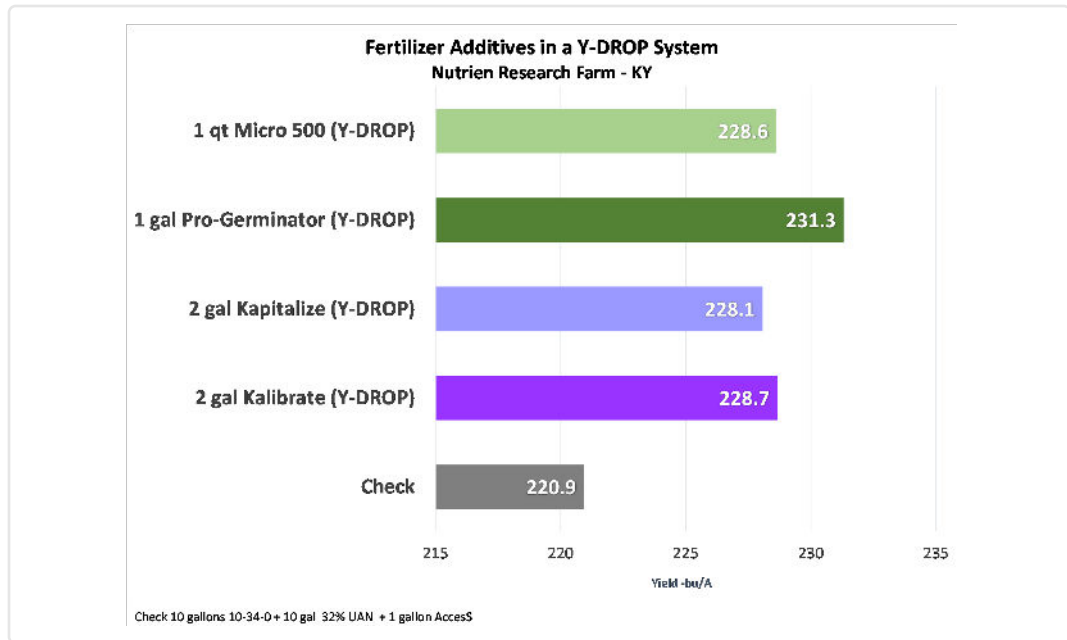
pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

Objective:

To evaluate the benefits of adding additional crop nutrition with Y-Drop nitrogen applications.

In this trial, Y-Drop applications of non-nitrogen products were added into the application mix to provide additional fertility in-season. Applications included 1 qt/A Micro 500, 1 gal/A Pro-Germinator, 2 gal/A Kalibrate and 2 gal/A Kapitalize. Treatments were compared to a check on either side of the block of applied treatments.

Yield results appear on the chart below.



Conclusions:

- All non-nitrogen additions improved corn yield over the untreated checks on both sides of this trial.
 - Highest yield was achieved with the addition of Pro-Germinator, yielding over 10 bu/A higher than the average of the two check plots.
- The addition of Micro 500 applied with Y-Drop in season improved yield by over 7 bu/A.
- Two potassium products were applied in this trial. Both Kalibrate and Kapitalize yielded similar to each other yielding nearly 8 bu/A higher than the nitrogen only check.