



# In-Season Nutrients via Y-Drop on Corn ( 21-508 )

### Experiment Info:

Planted:	4/27/2021
Harvest:	10/7/2021
Yield Goal:	250 bu/A
Target Fert.:	275-48-149
Variety:	DKC 54-64 RIB
Population:	35000
Row Width:	30"
Prev. Crop:	Wheat
Plot Size:	15 x 285/310
Replications:	4

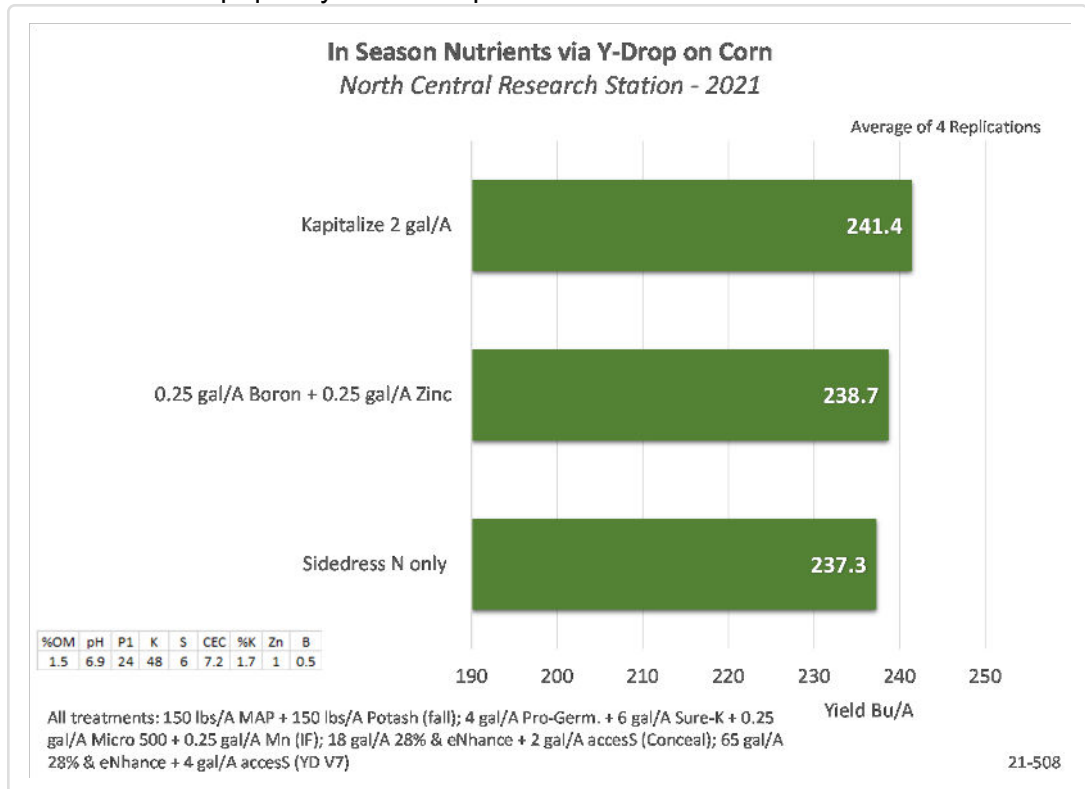
### Soil Test Values (ppm):

pH:	6.6
CEC:	7.6
%OM:	1.5
Bray P1:	26
Bicarb P:	0
K:	54
S:	7
%K:	1.8
%Mg:	19.5
%Ca:	70.8
%H:	6.6
Zn:	1
Mn:	5
B:	0.3

### Objective:

To determine if additional nutrients can be added in season during a sidedress application and benefit yield of a corn crop.

The no-till experiment was established on May 15th using 104 RM corn and 4 gal/A Pro-Germinator + 4.5 gal/A Sure-K + 0.25 gal/A Micro 500 + 0.25 gal/A Mn placed in-furrow and 18 gal/A 28%/eNhance + 2 gal/A accesS placed on two sides of the row with Conceal. Sidedress applications of 65 gal/A 28%/eNhance + 4 gal/A accesS were made at V7 with 360 Y-Drops™. The treatments included 2 gal/A Kapitalize injected into the sidedress application or the second treatment of 1 qt/A Boron + 1 qt/A Zinc injected into the sidedress application. Previous soil tests suggested both of the micro nutrients added were in need for this corn crop. Kapitalize provides a unique balance of NPK and a small amount of Calcium and Sulfur to help quickly feed a crop. Yield results are in the chart below.



### Conclusions:

- The addition of Kapitalize to the sidedress application resulted in a 4.1 bu/A increase, showing an effective means to adding additional potassium when needed to a corn crop.
- Additional micro nutrients boron and zinc provided a small 1.4 bu/A increase in yield compared to the check when applied with the sidedress application.
- Soil test potassium is very low and an additional application can be beneficial.