



# Corn Fertilizer Program Comparisons

Swanson (Illinois): 2023

Experiment Info
Planted:
Harvested:
Yield Goal:
Variety:
Pop.:
Row Width:
Prev. Crop:
Plot Size:
Reps:

## Objective:

This grower corn trial compared a grower standard fertility program to different combinations of AgroLiquid products. Utilizing a soil test and the grower standard practice, key AgroLiquid products were placed into the program. Sulfur looked to be a good opportunity, a second treatment added 5 gal/A accesS to the Ydrop passes and the last treatment added 5 gal/A CalSip to the Ydrop application passes.

Fertilizer programs, rates and yield results appear on the table below.

Soil Test (ppm)
pH:
CEC:
%OM:
Bray P1:
Bicarb P:
K:
S:
%K:
%Mg:
%Ca:
%H:
Zn:
Mn:
B:

### Corn Fertilizer Program Comparisons

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Program	Yield	+/-
Grower Standard	132	
2.5 gal PG + 2.5 gal Kalibrate + 2 qt Micro 500 + 2 qt Liberate Ca (IF) 2 qt Kalibrate (YDrop x2)	156	24
2.5 gal PG + 2.5 gal Kalibrate + 2 qt Micro 500 + 2 qt Liberate Ca (IF) 2 qt Kalibrate + <b>5 gal accesS</b> (YDrop x2)	149	17
2.5 gal PG + 2.5 gal Kalibrate + 2 qt Micro 500 + 2 qt Liberate Ca (IF) 2 qt Kalibrate + <b>5 CalSip</b> (YDrop x2)	145	13

While this plot was planted on some of the best dirt on the farm it suffered horribly due to season-long ongoing D2-D4 drought, wind damage due to the derecho that struck June 29, and reduced stand counts due to uneven emergence from dryness. While the damage did seem to be fairly consistent across all entries it is hard to estimate how consistent it truly was and any data derived should be marked with an asterisk. Visually there were substantial early growth differences between the GSP and the trial blocks.

## Conclusions:

- All AgroLiquid treatments yielded higher than the grower standard fertility program.
- The addition of neither accesS nor CalSip to the YDrop application added any additional yield.