



# Corn Fertilizer Program Comparisons

*Henderson Farms (Alabama): 2023*

| Experiment Info |   |
|-----------------|---|
| Planted:        |   |
| Harvested:      |   |
| Yield Goal:     |   |
| Variety:        |   |
| Pop.:           |   |
| Row Width:      |   |
| Prev. Crop:     |   |
| Plot Size:      |   |
| Reps:           | 3 |

| Soil Test (ppm) |       |
|-----------------|-------|
| pH:             | 6.0   |
| CEC:            | 7.26  |
| %OM:            | 2.5   |
| Bray P1:        | 80.5  |
| Bicarb P:       | -     |
| K:              | 428.6 |
| S:              | 24.2  |
| %K:             |       |
| %Mg:            |       |
| %Ca:            |       |
| %H:             |       |
| Zn:             | 7.5   |
| Mn:             | 709.7 |
| B:              | 0.96  |

## Objective:

This trial with XtremeAg grower Henderson Farms evaluated where AgroLiquid best fits into the grower standard fertility program.

Pro-Germinator is part of the grower standard program, based on results from previous testing. Looking to expand AgroLiquid's reach in the fertility program Micro 500 and AgroLiquid Fulvic replaced the standard micronutrients in both the in-furrow and 2x2 applications. Additionally, Kapitalize was added to the 2x2 program and a foliar application of fertiRain was added.

Other treatments evaluated the addition of an experimental sulfur (EN-22) product applied at planting and LiberateCa applied at planting.



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| Program                             | Yield  | +/- previous |
|-------------------------------------|--------|--------------|
| Grower Standard                     | 258.3  |              |
| AgroLiquid                          | 263.56 | 5.26         |
| AgroLiquid + EN22                   | 265.13 | 1.57         |
| AgroLiquid + EN22 + 2 qt LiberateCa | 263.38 | -1.75        |

**Grower Standard:** 1 gal Pro-Germ. + 1 qt CCAT + 3.2 oz P solubilizer+ 1 qt Accomplish Max + 0.5 sugar + 2 oz PGR (IF) 15 gal 28-0-0-5 (2x2) Micro pack + boron (foliar x2)  
**AgroLiquid:** 1 gal Pro-Germ. + 2 qt Micro 500 + 1 qt Fulvic + 3.2 oz P solubilizer+ 1 qt Accomplish Max + 0.5 sugar + 2 oz PGR (IF) 15 gal 28-0-0-5 + 5 gal Kapitalize (2x2) 1 qt Micro 500 + 1 qt Fulvic + 2 qt fertiRain (foliar x2)

## Conclusions:

- The AgroLiquid program out-yielded grower standard fertility practices by over 5 bu/A.
- The addition of an experimental sulfur fertilizer to the AgroLiquid treatment slightly improved yield.
- Unlike what has been shown by other XtremeAg members, the addition of 2 qt/A LiberateCa did not provide any additional yield benefits in this corn trial in Alabama.