



Soybean Fertilizer Program Comparison

Matthews Family Farm (North Carolina): 2023

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

Objective:

This trial evaluated fertility programs for high yielding soybeans. Two AgroLiquid programs were developed in comparison to the grower standard practice.

The AgroLiquid program utilized Pro-Germinator, Kapitalize, Micro 100, LiberateCa and MicroLink Iron applied according to soil test. An additional treatment included a foliar application of Kapitalize and fertiRain at the R1 growth stage.

Yield results appear on the table below.

| Soil Test (ppm) | |
|-----------------|-------|
| pH: | 6.5 |
| CEC: | 13.6 |
| %OM: | 3.4 |
| Bray P1: | 122 |
| Bicarb P: | |
| K: | 468 |
| S: | 46.6 |
| %K: | 4.4 |
| %Mg: | 15.6 |
| %Ca: | 52.7 |
| %H: | 26.5 |
| Zn: | 54.1 |
| Mn: | 318.5 |
| B: | 1.8 |

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|---|-------|-----|
| Program | Yield | +/- |
| Grower Standard | 99.9 | |
| 3 gal Pro-Germ. + 4 gal Kap. + 1 qt M1000 + 2 qt LiberateCa + 1 qt Fe (2x2) | 100.2 | 0.3 |
| 3 gal Pro-Germ. + 4 gal Kap. + 1 qt M1000 + 2 qt LiberateCa + 1 qt Fe (2x2) 2 gal Kapitalize + 1 gal fertiRain (foliar R1) | 104.0 | 4.1 |

Conclusions:

- The standard AgroLiquid treatment yielded similar to the grower standard program.
- An additional 4 bu/A was achieved with the foliar application of Kapitalize and fertiRain.