

Experiment Info:

| | |
|---------------|------------|
| Planted: | 05/15/2020 |
| Harvest: | 10/09/2020 |
| Yield Goal: | 3.5 bale/A |
| Target Fert.: | |
| Variety: | 4936 B3XF |
| Population: | ? |
| Row Width: | 38 |
| Prev. Crop: | |
| Plot Size: | 18.5 ft |
| Replications: | 4 |

Soil Test Values (ppm):

| | |
|-----------|-----|
| pH: | 5.2 |
| CEC: | 8.8 |
| %OM: | 1.1 |
| Bray P1: | 22 |
| Bicarb P: | |
| K: | 65 |
| S: | 14 |
| %K: | |
| %Mg: | |
| %Ca: | |
| %H: | |
| Zn: | 2.2 |
| Mn: | 153 |
| B: | 0.1 |

Objective:

Evaluate the performance of AgroLiquid phosphorus and potassium sources placed in-furrow and 2X2.

Treatments included:

2.5 gal ProGerm + 0.25 gal Micro500 - In-Furrow; 3 gal Kalibrate - 2X2

2.5 gal springuP + 0.25 gal Micro500 - In-Furrow; 3 gal Kalibrate - 2X2

2.5 gal RD-13 + 0.25 gal Micro500 - In-Furrow; 3 gal Kalibrate - 2X2

2.5 gal ProGerm + 0.25 gal Micro500 - In-Furrow; 3 gal Kapitalize - 2X2

No planter fertilizer check



| Treatment | Emerg. 11 DAP | Stand 27 DAP | Vigor 27 DAP | NDVI 27 DAP | NDVI 45 DAP | Lint (lb/A) | +/- check |
|------------|------------------|-----------------|-----------------|----------------|----------------|----------------|--------------|
| check | 33 | 29 | 3 | 0.4 | 0.77 | 1441.4 | |
| Pro-Germ. | 36 | 32 | 4 | 0.41 | 0.77 | 1432.1 | -9.3 |
| springuP | 30 | 32 | 4 | 0.40 | 0.76 | 1404.2 | -37.2 |
| RD-13 | 29 | 27 | 4 | 0.38 | 0.78 | 1497.2 | 55.8 |
| Kapitalize | 35 | 36 | 5 | 0.43 | 0.79 | 1608.8 | 167.4 |

Program:
2.5 gal/A phosphorus (Pro-Germ)
1 qt/A Micro 500
In-furrow

3 gal/A potassium (Kalibrate)
2x2

Conclusions:

- The addition of calcium in the Kapitalize product seemed to greatly benefit the crop in this low pH environment
- The addition of sulfur in the experimental phosphorus product seemed to show a benefit in-furrow
- Little benefit was recognized from in-furrow phosphorus. 1 ton of chicken litter was applied to all treatments.