

Experiment Info:

05/15/2020

10/09/2020

3.5 bale/A

4936 B3XF

38

18.5 ft

4

Planted:

Harvest:

Yield Goal:

Target Fert.:

Variety:

Population:

Row Width:

Prev. Crop:

Plot Size:

Replications:

Mississippi Cotton Planter Programs

Southern Ag: Starkville, MS 2020

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

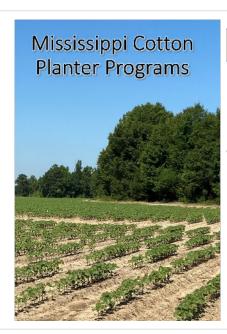
2.5 gal RD-13 + 0.25 gal Micro500 - In-Furrow; 3 gal Kalibrate - 2X2

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

No planter fertilizer check

Soil Test Values (ppm):

Son rest values (ppin):					
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				



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)

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.