

Bulloch County Extension

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Cromley Farms Cotton Fertility Trial

Plot #	Treatment	K Rate (lbs. K ₂ O/a)
101	1	80
102	4	160
103	3	80
104	2	160

Plot #	Treatment	K Rate (lbs. K ₂ O/a)
201	2	160
202	3	80
203	4	160
204	1	80

Plot #	Treatment	K Rate (lbs. K ₂ O/a)
301	3	80
302	1	80
303	2	160
304	4	160

Cooperators: Lee and Charley Cromley

Planted: 10 May 2018

Harvested: 16 October 2018

Variety: DP 1646 B2XF

Preplant Fertilizer: 80 lbs./a Potassium (0-0-48)

At Plant Fertilizer: 10 gals./a (5 gals 10-34-0 + 5 gals 25-0-0-3)

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Side dress application rates (6/29/2018):

1. 90 lbs. N/a
2. 90 lbs. N/a + 80 lbs./a K2O
3. 90 lbs. N/a
4. 90 lbs. N/a + 80 lbs./a K2O

Foliar applications applied in 10 gals. water/a (7/12/2018):

1. No foliar
2. No foliar
3. 13.7-0-46 (7 lbs./a)
4. 13.7-0-46 (7 lbs./a)

Foliar applications applied in 10 gals. water/a (7/26/2018):

1. No foliar
2. No foliar
3. 13.7-0-46 (7 lbs./a)
4. 13.7-0-46 (7 lbs./a)

Tissue and petiole samples taken on 8/22/2018.

Treatment	Lint (lbs./A)	Acres	Additional Fertilizer Costs/A	Value/Acre @ \$.85	Value/Acre minus Add. Fertilizer Costs
1	1290 a	4.630	\$0.00	\$1,096.50	\$1,096.50
2	1319 a	4.646	\$24.00	\$1,121.15	\$1,097.15
3	1303 a	4.652	\$7.84	\$1,107.55	\$1,099.71
4	1339 a	4.657	\$31.84	\$1,138.15	\$1,106.31

Value/A - add. Fert. Costs	Cost per Additional lb. Cotton	Increased Value/A @ \$.85 minus Add. Fertilizer Costs
\$1,096.50		
\$1,097.15	\$0.83	\$0.65
\$1,099.71	\$0.60	\$3.21
\$1,106.31	\$0.65	\$9.81

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