

Bulloch County Extension

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Cromley Farms Irrigated Cotton Fertility Trial

| Plot # | Treatment | K Rate (lbs K2O/a) |
|--------|-----------|--------------------|
| 101 | 1 | 70 |
| 102 | 4 | 140 |
| 103 | 3 | 70 |
| 104 | 2 | 140 |

| Plot # | Treatment | K Rate (lbs K2O/a) |
|--------|-----------|--------------------|
| 201 | 2 | 140 |
| 202 | 3 | 70 |
| 203 | 4 | 140 |
| 204 | 1 | 70 |

| Plot # | Treatment | K Rate (lbs K2O/a) |
|--------|-----------|--------------------|
| 301 | 3 | 70 |
| 302 | 1 | 70 |
| 303 | 2 | 140 |
| 304 | 4 | 140 |

| Plot # | Treatment | K Rate (lbs K2O/a) |
|--------|-----------|--------------------|
| 401 | 3 | 70 |
| 402 | 2 | 140 |
| 403 | 1 | 70 |
| 404 | 4 | 140 |

Cooperators: Lee and Charley Cromley
Planted: May 17, 2017
Harvested: November 15, 2017
Variety: DP 1538 B2XF

At Plant Fertilizer: 10 gals/a (5 gals 10-34-0 + 5 gals 25-0-0-3)
 Potassium was applied on 5/15/2017.

Side dress Nitrogen Application rates (7/6/2017):

1. 65 lb. N/a
2. 100 lb. N/a
3. 65 lb. N/a
4. 100 lb. N/a

Tissue and petiole samples taken on 7/19/2017.

Foliar applications applied in 10 gals water/a: 7/22/2017

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

Tissues and petiole samples taken on 7/31-8/01/2017

Foliar applications applied in 10 gals water/a: 8/02/2017

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

Tissues and petiole samples taken on 8/25/2017.

| Trmt. | Lint (lbs./a) | Gin TO % | Acres | Fertilizer Costs/a | Value/Acre @ \$.75 | Value/Acre minus Fertilizer Costs |
|-------|------------------|----------|-------|-----------------------|-----------------------|---|
| 1 | 1133 c | 40.36% | 6.281 | \$54.21 | \$849.75 | \$795.54 |
| 2 | 1181 b | 40.36% | 6.11 | \$91.59 | \$885.75 | \$794.16 |
| 3 | 1098 d | 40.36% | 6.166 | \$62.40 | \$823.50 | \$761.10 |
| 4 | 1222 a | 40.36% | 6.168 | \$99.78 | \$916.50 | \$816.72 |

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