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**REPLICATED AGRONOMIC COTTON EVALUATION  
(RACE) SOUTHERN HIGH PLAINS, 2016**



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# **REPLICATED AGRONOMIC COTTON EVALUATION (RACE) SOUTHERN HIGH PLAINS, 2016**

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# Table of Contents

<b>Acknowledgements</b>	<b>4</b>
<b>Season Overview</b>	<b>5</b>
<b>RACE Trial Format</b>	<b>5</b>
<b>Figure 1. Southern High Plains RACE Trials Location Map</b>	<b>6</b>
<b>Table 1. Variety Entries in Dryland and Irrigated RACE Trials</b>	<b>7</b>
<b>Table 2. Location Details from the 13 RACE Trial Locations</b>	<b>8</b>
<b>Table 3. Maturity Measurements from Two Dryland Locations</b>	<b>9</b>
<b>Table 4. Maturity Measurements from Two Irrigated Locations</b>	<b>10</b>
<b>Table 5. Yield Results across All Dryland RACE Trial Locations</b>	<b>11</b>
<b>Table 6. Yield Results across All Irrigated RACE Trial Locations</b>	<b>12</b>
<b>Table 7. Bailey County Irrigated RACE Trial</b>	<b>13</b>
<b>Table 8. Crosby County Dryland RACE Trial</b>	<b>14</b>
<b>Table 9. Dawson County Dryland RACE Trial</b>	<b>15</b>
<b>Table 10. Dawson County Irrigated RACE Trial</b>	<b>16</b>
<b>Table 11. Floyd County Dryland RACE Trial</b>	<b>17</b>
<b>Table 12. Gaines County Irrigated RACE Trial</b>	<b>18</b>
<b>Table 13. Hale County Dryland RACE Trial</b>	<b>19</b>
<b>Table 14. Hall County Irrigated RACE Trial</b>	<b>20</b>
<b>Table 15. Hockley County Irrigated RACE Trial</b>	<b>21</b>
<b>Table 16. Lubbock County Dryland RACE Trial</b>	<b>22</b>
<b>Table 17. Lynn County Dryland RACE Trial</b>	<b>23</b>
<b>Table 18. Mitchell County Irrigated RACE Trial</b>	<b>24</b>
<b>Table 19. Terry County Irrigated RACE Trial</b>	<b>25</b>

**Acknowledgements:**

These trials would not be possible without the cooperation from cotton producers who allow us to use their land, equipment, and most importantly time to conduct these trials to provide information for use by all cotton producers in the southern High Plains. These trials are also graciously supported by seed companies who provide all of the seed used in these trials so that we are able to produce a unique comparison of commercial cotton varieties to the benefit of all producers. The cooperating growers and seed companies are presented below. We would like express sincere appreciation to Plain Cotton Growers, Inc. who provide tremendous support of these trials, as well as Cotton Incorporated. Finally, appreciation is expressed to Dr. John Wanjura and his staff at the USDA ARS Cotton Production and Processing Research Center in Lubbock, TX.

**Seed Companies:**

Americot/NexGen  
Croplan Genetics  
Deltapine  
FiberMax/Stoneville  
PhytoGen Cottonseed

## **Season Overview**

Overall the 2016 season was very favorable for cotton production in the southern High Plains, with over 5 million bales produced for one of the only times in the history of cotton production in the region. Most areas received a planting rain and were able to get seed in the ground by late May or early June. Some re-plants were necessary for cotton planted earlier in the spring which experienced intermittent periods of cool, wet conditions that delayed or even prevented emergence in some cases. Ideal conditions prevailed throughout the early part of the season and the vast majority of cotton reached July on the verge of the bloom period with well-established growth. July proved to be a challenging month with temperatures well into the 100's with virtually no significant rain occurring throughout the region. Relief in the form of rain and more moderate temperatures finally arrived by mid to late-August, and most areas received the moisture necessary to fill later-set bolls and fully mature the crop. This late summer and early fall rain, in conjunction with a mild September and October benefitted the crop moving into harvest with ideal conditions for not only boll fill but also defoliation present for the majority of the fall. Along with yield fiber quality was also excellent in 2016, as the majority of cotton was classed with good color and low leaf grades, as well as base to premium micronaire values. Harvest operations were mostly smooth, with delays due to scattered rain showers and a large crop causing harvest to stretch into early 2017.

## **RACE Trial Format**

A new format for on-farm variety testing was introduced in 2016, matching a similar method utilized in other areas of Texas. A standard lineup of 12 commercial varieties was evaluated at each location (Table 1), with seed companies given the option of selecting varieties to be included. Variety selection could differ between the irrigated and dryland locations, although there was some overlap and several varieties were present in both irrigated and dryland trials. This structure of variety testing allows for an evaluation of not only each specific location but also the trends and yield stability of varieties across the region by pooling the data from each irrigated or dryland trial together. The High Plains encompasses the largest area of cotton production in the world, and it is only projected to increase in the near future. While it is impossible to represent every possible scenario in a production environment of this size, the ability to pool this data allows for the highest percentage of acreage to be represented. All locations consisted of a minimum of 3 replications of each variety. All trials were harvested with a stripper type cotton harvester including a field cleaner. After harvest seedcotton samples were ginned at either the USDA-ARS Cotton Production and Processing Research Center or the Texas A&M AgriLife Research Gin at the Texas A&M AgriLife Research and Extension Center, both in Lubbock, TX. After ginning lint samples were sent to the Texas Tech University Fiber and Biopolymer Research Institute for classing and HVI quality measurements.

The southern High Plains region consisted of 19 counties, with every county either hosting or bordering a county that hosted a RACE trial (Figure 1). There was a wide range of planting dates represented (Table 2), with replanting (Dawson Irrigated) and delayed planting (Hall Irrigated) reflecting the cool or saturated conditions present in specific locations during

the early part of the season. While these situations may not represent the majority of cotton acreage in 2016, they do provide a useful tool and insight into how these varieties performed in a shortened season for producers in these situations.

Variety entries are presented in Table 1, while location details are included in Table 2. Maturity measurements were taken at the end of the season prior to the application of harvest aids at two irrigated and two dryland locations. These included final plant height, node of first fruiting branch (NFFB), node of uppermost cracked boll (NUCB), node of uppermost harvestable boll (NUHB), total nodes, and percent open bolls (Tables 3 and 4). Results for pooled data (Table 5 and 6) and location specific data (Tables 7 – 18) are included below.

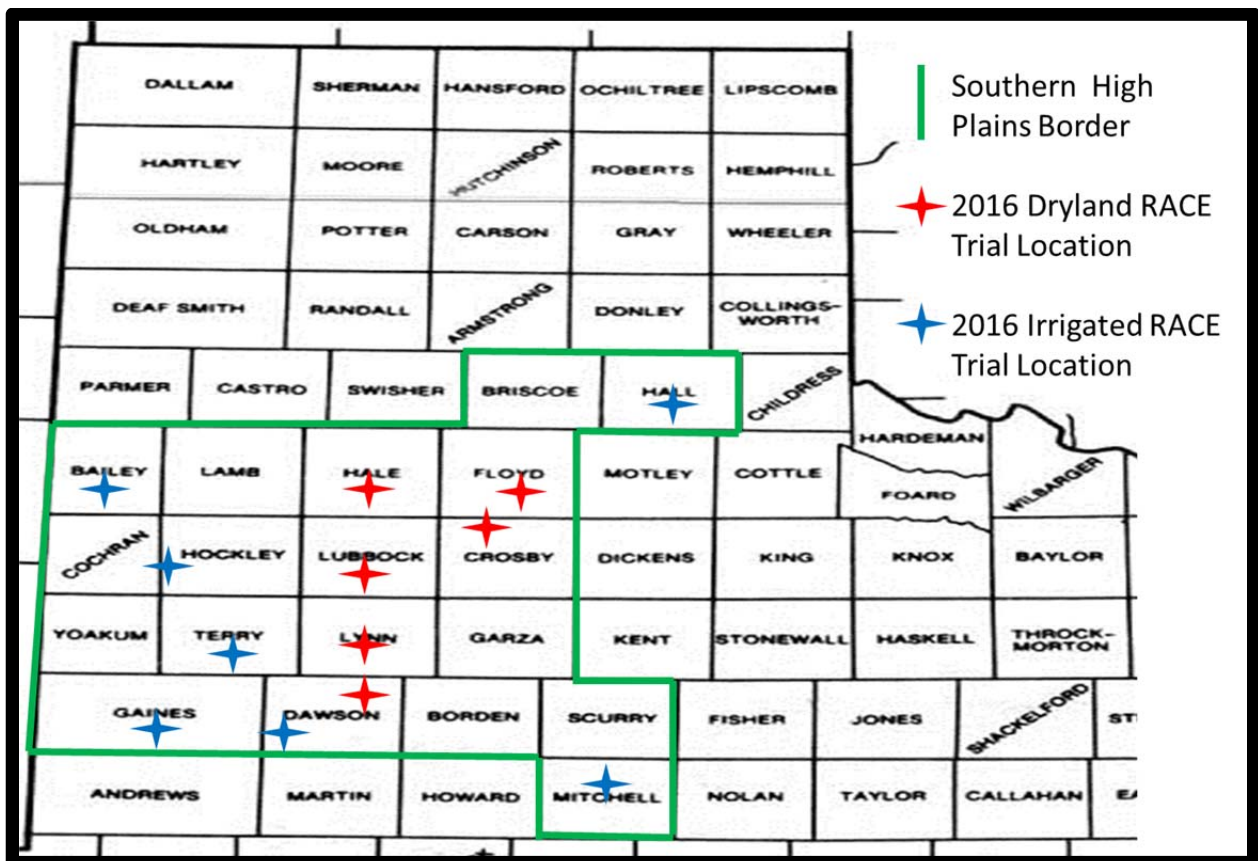


Figure 1. Locations of 2016 Southern High Plains RACE Trials.

**Table 1. Variety Entries in Dryland and Irrigated RACE Trials.**

<u>Dryland Location Entries</u>		<u>Irrigated Location Entries</u>	
Variety	Abbreviation	Variety	Abbreviation
Croplan Genetics 3885 B2XF	CG 3885 B2XF	Croplan Genetics 3475 B2XF	CG 3475 B2XF
Deltapine 1549 B2XF	DP 1549 B2XF	Deltapine 1522 B2XF	DP 1522 B2XF
Deltapine 1646 B2XF	DP 1646 B2XF	Deltapine 1612 B2XF	DP 1612 B2XF
FiberMax 2322 GL	FM 2322 GL	FiberMax 1830 GLT	FM 1830 GLT
NexGen 3405 B2XF	NG 3405 B2XF	FiberMax 1911 GLT	FM 1911 GLT
NexGen 3406 B2XF	NG 3406 B2XF	NexGen 3405 B2XF	NG 3405 B2XF
NexGen 3517 B2XF	NG 3517 B2XF	NexGen 3406 B2XF	NG 3406 B2XF
NexGen 4545 B2XF	NG 4545 B2XF	NexGen 3517 B2XF	NG 3517 B2XF
PhytoGen 333 WRF	PHY 333 WRF	NexGen 4545 B2XF	NG 4545 B2XF
PhytoGen 444 WRF	PHY 444 WRF	PhytoGen 243 WRF	PHY 243 WRF
PhytoGen 499 WRF	PHY 499 WRF	PhytoGen 308 WRF	PHY 308 WRF
Stoneville 4946 GLB2	ST 4946 GLB2	PhytoGen 333 WRF	PHY 333 WRF

B2XF = Bollgard II XtendFlex; GL = GlyTol LibertyLink; WRF = Widestrike Roundup Ready Flex; GLB2 = GlyTol LibertyLink Bollgard II; GLT = GlyTol LibertyLink TwinLink.

**Table 2. Location Details from the 13 RACE Trial Locations.**

Location	Planting Date	Seeding Rate (per acre)	Seasonal Rainfall <sup>1</sup> (inches)	Harvest Date
Bailey	May 10	52,000	21.74	Nov. 10
Crosby	May 27	28,000	13.66	Dec. 1-2
Dawson (Dryland)	June 7	24,000	18.61	Dec. 19
Dawson (Irrigated)	June 19 <sup>2</sup>	35,000	13.86	Dec. 14
Floyd	May 17	28,000	14.76	Nov. 17
Gaines	June 3	27,000	15.66	Nov. 29
Hale	May 24	46,000	17.84	Dec. 12
Hall	June 25	40,000	11.13	Dec. 22
Hockley	May 23	41,000	14.88	Nov. 14-15
Lubbock	May 24	26,000	11.70	Dec. 10
Lynn	June 8	29,000	8.67	Nov. 11
Mitchell	May 24	34,000	25.69	Nov. 19
Terry	May 25	40,000	15.82	Nov. 18

<sup>1</sup>Estimated from Climate Fieldview™ Prime.

<sup>2</sup>Re-plant date.



**Table 3. Maturity Measurements from Two Dryland Locations taken 43 (Crosby) and 60 (Lubbock) Days Before Harvest.**

Variety	Plant Height (in.)			Node of First Fruiting Branch			Node of Uppermost Cracked Boll		
	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i> <sup>1</sup>	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i>	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i>
CG 3885 B2XF	24.4	31.1	11.0	6.4	6.2	4.5	10.7	10.2	5.0
DP 1549 B2XF	21.5	28.4	3.0	7.8	7.0	10.0	11.2	11.7	9.5
DP 1646 B2XF	24.6	30.2	11.0	7.0	6.3	6.5	12.1	10.3	8.5
FM 2322 GL	26.2	29.5	10.0	6.2	5.6	1.5	10.3	10.0	3.0
NG 3405 B2XF	21.5	29.0	4.5	6.4	6.1	4.5	10.0	9.8	1.0
NG 3406 B2XF	21.6	29.3	6.0	6.3	5.9	2.5	10.1	10.0	2.0
NG 3517 B2XF	23.4	30.2	8.0	7.8	6.0	6.5	11.2	10.6	7.5
NG 4545 B2XF	23.9	30.0	8.5	8.0	6.7	11.0	12.2	11.1	11.0
PHY 333 WRF	24.0	28.1	6.0	6.0	6.2	3.5	10.5	10.0	4.0
PHY 444 WRF	21.1	28.0	1.5	7.9	7.0	11.5	11.1	10.6	7.0
PHY 499 WRF	23.4	28.9	6.0	7.5	6.4	7.5	11.6	11.4	10.0
ST 4946 GLB2	21.5	27.6	2.5	7.6	6.4	8.5	11.7	10.9	9.5

Variety	Node of Uppermost Harvestable Boll			Total Nodes			Percent Open Bolls		
	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i>	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i>	<i>Crosby</i>	<i>Lubbock</i>	<i>Average Rank</i>
CG 3885 B2XF	11.1	10.9	5.5	17.8	20.0	2.5	93.7	95.6	8.5
DP 1549 B2XF	11.5	11.8	9.5	20.1	20.6	8.5	95.0	98.3	4.5
DP 1646 B2XF	12.3	11.4	10.0	20.4	20.8	11.0	95.4	95.3	7.5
FM 2322 GL	10.3	10.1	3.0	20.1	20.7	9.5	93.0	98.8	5.0
NG 3405 B2XF	10.0	10.6	2.5	18.2	20.1	4.0	89.6	97.0	9.5
NG 3406 B2XF	10.1	9.8	1.5	18.4	20.5	5.0	89.2	97.2	9.5
NG 3517 B2XF	11.2	10.6	5.5	20.0	21.6	9.5	83.6	97.8	9.5
NG 4545 B2XF	12.3	11.5	11.5	20.2	21.9	11.5	91.0	98.7	6.5
PHY 333 WRF	10.5	10.1	3.0	18.9	19.0	2.5	97.4	98.1	3.5
PHY 444 WRF	11.5	11.5	9.0	19.2	19.8	4.5	93.4	98.7	5.0
PHY 499 WRF	11.6	11.0	8.5	18.9	20.0	5.0	97.0	99.1	1.5
ST 4946 GLB2	11.7	10.9	8.5	19.0	19.9	4.5	94.4	95.8	7.5

<sup>1</sup>Averaged rank across both locations, with the highest ranking (1) given to the lowest value for each parameter, with the exception of percent open in where a ranking of 1 = highest percent open.

**Table 4. Maturity Measurements from Two Irrigated Locations taken 27 (Hockley) and 43 (Terry) Days Before Harvest.**

Variety	Plant Height (in.)			Node of First Fruiting Branch			Node of Uppermost Cracked Boll		
	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i> <sup>1</sup>	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i>	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i>
CG 3475 B2XF	26.2	27.6	7.5	5.6	5.8	2.5	13.5	9.2	7.0
DP 1522 B2XF	26.9	30.2	10.0	5.8	5.9	5.0	13.6	9.1	7.0
DP 1612 B2XF	25.4	27.6	5.0	5.4	5.8	2.5	12.7	8.8	3.0
FM 1830 GLT	22.0	26.6	2.0	6.2	6.2	9.5	13.3	10.9	9.5
FM 1911 GLT	22.6	23.4	1.5	6.1	6.0	7.0	13.0	10.0	8.0
NG 3405 B2XF	26.3	27.0	6.0	5.0	5.7	1.0	12.3	9.0	2.0
NG 3406 B2XF	23.6	27.6	5.0	5.7	6.0	6.0	12.3	9.3	4.0
NG 3517 B2XF	32.0	28.4	10.5	6.2	7.0	10.5	14.9	11.3	11.5
NG 4545 B2XF	29.2	30.7	11.5	6.7	6.9	11.5	15.0	10.1	11.0
PHY 243 WRF	26.1	28.5	8.0	5.9	6.5	8.5	12.4	9.5	5.0
PHY 308 WRF	25.4	26.2	3.5	6.3	6.0	9.5	12.7	8.8	4.0
PHY 333 WRF	27.5	27.4	7.5	5.7	5.9	4.5	12.6	9.5	6.0

Variety	Node of Uppermost Harvestable Boll			Total Nodes			Percent Open Bolls		
	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i>	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i>	<i>Hockley</i>	<i>Terry</i>	<i>Average Rank</i>
CG 3475 B2XF	13.7	10.5	5.0	15.6	20.0	6.0	92.4	85.1	6.0
DP 1522 B2XF	14.0	12.9	11.0	15.8	21.7	9.5	96.8	62.7	9.0
DP 1612 B2XF	13.1	10.9	5.5	15.2	20.1	6.0	95.7	74.2	8.5
FM 1830 GLT	13.7	11.3	8.5	15.3	21.8	8.5	96.1	70.8	9.5
FM 1911 GLT	13.7	10.9	7.5	15.8	20.5	8.0	96.7	81.1	4.5
NG 3405 B2XF	12.8	11.3	7.0	15.1	19.4	4.0	91.6	73.6	10.5
NG 3406 B2XF	12.4	10.7	2.5	14.4	20.0	3.5	94.2	76.7	7.0
NG 3517 B2XF	14.9	12.8	11.0	17.1	22.6	11.0	98.3	75.5	3.5
NG 4545 B2XF	15.2	10.9	9.5	17.6	22.9	12.0	97.9	71.3	7.0
PHY 243 WRF	12.6	10.2	1.5	14.8	20.6	6.0	98.2	76.6	3.5
PHY 308 WRF	12.8	10.2	3.5	14.4	18.7	2.0	97.1	75.2	6.0
PHY 333 WRF	12.7	11.0	5.5	14.4	19.3	1.5	98.0	76.9	3.0

<sup>1</sup>Averaged rank across both locations, with the highest ranking (1) given to the lowest value for each parameter, with the exception of percent open in where a ranking of 1 = highest percent open.

**Table 5. Average Yield Results Across All Dryland RACE Trial Locations.**

Variety	Lint Yield (lbs./acre)	No. Trials w/Highest Yield <sup>1</sup>	Percent of Trials in the Highest Yield Group <sup>2</sup>
PHY 444 WRF	423 a	1	100%
DP 1549 B2XF	417 a	2	83%
PHY 499 WRF	414 a	0	83%
DP 1646 B2XF	412 ab	1	100%
ST 4946 GLB2	409 ab	1	83%
PHY 333 WRF	393 a-c	1	67%
NG 3405 B2XF	391 a-c	0	67%
NG 3406 B2XF	380 b-d	0	50%
FM 2322 GL	370 cd	0	33%
NG 4545 B2XF	370 cd	0	33%
CG 3885 B2XF	366 cd	0	50%
NG 3517 B2XF	350 d	0	17%

<sup>1</sup>Number of trials in which variety had the highest numerical yield.

<sup>2</sup>Percent of trials in which variety yielded in the highest statistical group.

**Table 6. Average Yield Results Across All Irrigated RACE Trial Locations.**

Variety	Lint Yield (lbs./acre)	No. Trials w/Highest Yield <sup>1</sup>	Percent of Trials in the Highest Yield Group <sup>2</sup>
FM 1911 GLT	1075 a	2	86%
NG 3406 B2XF	1068 a	0	100%
NG 3405 B2XF	1061 ab	1	71%
NG 4545 B2XF	1040 a-c	1	86%
CP 3475 B2XF	1038 a-c	1	86%
DP 1612 B2XF	1022 a-d	0	71%
FM 1830 GLT	1013 a-d	1	57%
DP 1522 B2XF	999 b-d	0	71%
PHY 333 WRF	989 cd	1	43%
NG 3517 B2XF	987 cd	0	57%
PHY 243 WRF	981 cd	0	43%
PHY 308 WRF	958 d	0	43%

<sup>1</sup>Number of trials in which variety had the highest numerical yield.

<sup>2</sup>Percent of trials in which variety yielded in the highest statistical group.

**Table 7. Bailey County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
FM 1911 GLT	1354 a	34.46 a	3.55 a-c	1.167 a	30.5 b-d	81.4 a-c	54.35 a	736 a
NG 3406 B2XF	1306 ab	33.36 a-c	3.28 d-f	1.120 c-e	28.4 ef	80.7 c-e	53.13 ab	697 ab
NG 3405 B2XF	1286 ab	33.91 ab	3.25 ef	1.110e	28.2 f	80.6 c-e	52.35 ab	675 a-c
CG 3475 B2XF	1279 a-c	32.85 b-d	3.47 b-d	1.120 c-e	30.3 b-d	81.1 a-d	52.40 ab	676 a-c
PHY 308 WRF	1248 a-d	30.07 f	3.40 c-e	1.133 bc	30.7 a-c	81.8 a	46.60 d	582 cd
NG 4545 B2XF	1247 a-d	32.56 b-d	3.43 b-e	1.143 b	32.1 a	81.1 a-d	50.67 bc	634 a-d
DP 1522 B2XF	1229 a-d	33.21 a-d	3.68 a	1.130 b-d	29.0 d-f	81.4 a-c	51.48 bc	633 a-d
PHY 243 WRF	1220 a-d	30.11 f	3.04 g	1.170 a	29.6 c-f	79.8 e	46.53 d	570 cd
NG 3517 B2XF	1191 a-d	32.45 cd	3.62 ab	1.143 b	31.5 ab	81.1 a-d	52.40 ab	625 b-d
PHY 333 WRF	1144 b-d	30.65 ef	3.29 d-f	1.133 bc	30.1 b-d	81.7 ab	49.87 c	572 cd
DP 1612 B2XF	1117 cd	31.85 de	3.19 fg	1.117 de	29.8 c-e	80.8 b-d	49.27 c	555 d
FM 1830 GLT	1084 d	33.02 b-d	3.11 fg	1.177 a	31.5 ab	80.4 de	52.57 ab	572 cd
<i>Mean</i>	1225	32.38	3.36	1.139	30.2	81.0	50.97	627
<i>P&gt;F</i>	<0.0001	0.0884	<0.0001	<0.0001	0.0003	0.0062	<0.0001	0.0333
<i>LSD (P ≤ 0.1)</i>	168	1.40	0.20	0.02	1.5	0.908	2.48	109
<i>CV</i>	5.544	13.680	7.340	2.015	4.600	0.890	5.873	17.797

Planted May 10<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 8. Crosby County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
PHY 444 WRF	397	34.23	4.593 g	1.167 a	31.2 ab	81.7 a	56.60 a	224 a
DP 1549 B2XF	381	32.15	4.917 f	1.080 b	30.7 b	78.9 d	52.75 bc	201 a-c
DP 1646 B2XF	376	35.12	5.047 ef	1.137 a	28.3 d	79.3 cd	54.07 c	204 ab
NG 3405 B2XF	369	33.81	5.103 de	1.070 bc	29.0 cd	80.2 bc	50.22 a-c	185 a-d
NG 4545 B2XF	355	33.18	5.453 a	1.070 bc	30.9 b	79.7 b-d	49.48 de	177 b-d
PHY 499 WRF	352	32.87	5.187 c-e	1.063 bc	30.0 bc	80.4 bc	49.80 c-e	175 b-d
ST 4946 GLB2	336	30.56	5.367 ab	1.080 b	31.3 ab	80.7 ab	48.43 de	163 b-d
PHY 333 WRF	335	32.67	5.263 bc	1.067 bc	29.0 cd	80.2 bc	44.98 f	152 d
CG 3885 B2XF	329	34.30	5.163 c-e	1.080 b	27.9 d	80.0 b-d	50.68 cd	166 b-d
NG 3406 B2XF	320	32.11	5.183 c-e	1.043 c	28.1 d	79.2 cd	46.72 ef	149 d
NG 3517 B2XF	313	30.98	5.243 b-d	1.097 b	30.5 bc	79.7 b-d	51.45 b-d	161 cd
FM 2322 GL	307	33.68	5.090 e	1.070 bc	32.5 a	80.0 b-d	50.97 b-d	157 d
<i>Mean</i>	347 <sup>3</sup>	32.97	5.134	1.085	29.9	80.0	50.51	176
<i>P&gt;F</i>	0.4508	0.2787	<0.0001	<0.0001	<0.0001	0.0142	<0.0001	0.0254
<i>LSD (P ≤ 0.1)</i>	NS	NS	0.151	0.034	1.6	1.3	3.15	42
<i>CV</i>	7.385	14.038	4.553	3.805	5.734	1.409	6.985	18.403

Planted May 27<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

<sup>3</sup>Planted in 2 and 1 skip row pattern, average lint yield per cotton acre = 463 lbs.

**Table 9. Dawson County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
PHY 333 WRF	443 a	34.88 a	4.825 bc	1.103 b	28.3	81.1	51.25 c	227 a-c
PHY 499 WRF	438 a	32.08 ab	4.910 a-c	1.085 bc	29.8	80.8	52.61 bc	231 ab
PHY 444 WRF	430 ab	34.3 a	4.405 d	1.150 a	28.7	80.4	55.54 a	238 a
ST 4946 GLB2	410 a-c	32.42 ab	4.990 ab	1.083 bc	30.1	80.6	50.79 c	208 b-f
NG 3405 B2XF	409 a-c	33.53 ab	4.870 a-c	1.095 bc	28.9	81.2	52.68 a-c	215 a-e
DP 1646 B2XF	408 a-c	34.55 a	4.700 b-d	1.175 a	29.2	80.6	55.05 ab	224 a-d
DP 1549 B2XF	391 b-d	34.05 ab	4.598 cd	1.078 bc	28.3	79.6	52.54 bc	206 b-f
NG 3406 B2XF	379 cd	32.24 ab	4.613 cd	1.070 c	28.7	79.8	50.91 c	194 ef
CG 3885 B2XF	374 cd	33.69 ab	4.768 bc	1.083 bc	27.6	80.2	53.43 a-c	200 c-f
FM 2322 GL	373 cd	34.23 a	4.898 a-c	1.103 b	29.7	81.1	53.04 a-c	198 d-f
NG 4545 B2XF	357 d	31.9 ab	5.150 a	1.080 bc	28.9	80.1	51.21 c	183 f
NG 3517 B2XF	357 d	30.79 b	4.980 ab	1.088 bc	29.7	80.2	51.14 c	183 f
<i>Mean</i>	397	33.22	4.809	1.100	29.0	80.5	52.52	209
<i>P&gt;F</i>	0.0033	0.3447	0.0035	<0.0001	0.2773	0.1559	0.0237	0.0018
<i>LSD (P ≤ 0.1)</i>	47	3.43	0.322	0.032	NS	NS	2.91	28
<i>CV</i>	12.243	7.593	5.789	3.335	4.639	1.097	4.455	13.628

Planted June 7<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 10. Dawson County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
FM 1911 GLT	914	32.65 a	4.063 ab	1.157 b-d	31.1 a-d	82.1	52.97 ab	417
PHY 333 WRF	879	31.04 a	4.260 a	1.150 cd	31.7 a-c	81.4	52.25 bc	423
PHY 243 WRF	870	30.96 a	4.003 bc	1.170 bc	31.8 a-c	81.8	51.78 bc	421
NG 3406 B2XF	857	31.98 a	3.787 cd	1.233 a	32.0 ab	82.0	56.18 a	447
NG 3405 B2XF	855	32.45 a	4.010 a-c	1.160 b-d	30.7 b-d	80.9	51.55 bc	466
DP 1522 B2XF	809	33.43 a	3.977 b-d	1.147 c-e	30.3 b-d	82.2	52.08 bc	443
DP 1612 B2XF	805	31.20 a	3.980 b-d	1.123 e	29.3 d	81.1	51.75 bc	444
FM 1830 GLT	793	33.12 a	3.967 b-d	1.160 b-d	31.6 a-c	82.0	51.72 bc	396
CG 3475 B2XF	787	32.46 a	4.000 bc	1.143 de	32.8 a	81.3	52.03 bc	393
NG 3517 B2XF	768	30.95 a	3.733 d	1.177 b	30.8 a-d	80.5	53.88 ab	468
NG 4545 B2XF	753	32.01 a	3.807 cd	1.150 cd	31.8 a-c	81.5	49.05 c	352
PHY 308 WRF	718	27.06 b	3.927 b-d	1.150 cd	30.0 cd	81.9	52.33 bc	461
<i>Mean</i>	817	31.61	3.960	1.160	31.2	81.6	52.30	427
<i>P&gt;F</i>	0.8662	0.0899	0.0257	<0.0001	0.0679	0.1253	0.0790	0.7184
<i>LSD (P ≤ 0.1)</i>	NS	3.505	0.252	0.026	2.0	NS	3.43	NS
<i>CV</i>	20.820	7.451	4.983	2.549	4.392	0.999	4.470	21.306

Re-planted June 19<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.



**Table 11. Floyd County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
DP 1549 B2XF	480 a	36.44	4.720 d	1.087 a-d	30.0	79.8	54.40 a-c	261 a
PHY 499 WRF	467 a	35.30	4.993 b-d	1.073 b-e	31.0	80.6	52.45 b-e	246 a-c
CG 3885 B2XF	459 ab	37.85	4.880 cd	1.113 a	30.0	80.5	54.58 ab	251 ab
PHY 333 WRF	438 a-c	32.15	5.160 ab	1.070 b-e	31.1	80.8	51.38 d-f	225 b-e
NG 4545 B2XF	435 a-c	35.90	5.107 a-c	1.070 b-e	29.2	80.9	52.08 c-f	227 b-e
PHY 444 WRF	425 a-c	35.82	4.853 cd	1.107 ab	30.2	80.9	55.12 a	234 a-d
DP 1646 B2XF	425 a-c	35.49	4.833 cd	1.107 ab	29.0	79.2	53.60 a-d	224 b-e
NG 3405 B2XF	412 b-d	34.81	4.993 b-d	1.050 de	28.7	80.2	50.33 ef	207 d-f
ST 4946 GLB2	412 b-d	32.75	5.280 a	1.063 c-e	30.1	80.8	50.37 ef	207 d-f
FM 2322 GL	410 b-d	36.02	5.007 a-c	1.097 a-c	32.3	80.7	52.05 d-f	214 c-e
NG 3406 B2XF	393 cd	35.47	5.040 a-c	1.053 de	29.1	80.6	50.22 ef	197 ef
NG 3517 B2XF	363 d	33.28	5.020 a-c	1.047 e	30.1	80.1	49.77 f	181 f
<i>Mean</i>	427	35.11	4.990	1.078	30.1	80.4	52.20	223
<i>P&gt;F</i>	0.0138	0.0008	0.0318	0.0112	0.1486	0.1159	0.0004	0.0020
<i>LSD (P ≤ 0.1)</i>	55	2.163	0.278	0.0387	NS	NS	2.38	34
<i>CV</i>	9.786	6.104	4.693	3.138	4.944	0.997	5.085	13.195

Planted May 17<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 12. Gaines County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
NG 3405 B2XF	1563 a	33.99 a	3.793 cd	1.147 f	30.7 b-d	81.8 bc	56.77 a	887 a
NG 3406 B2XF	1559 a	33.60 a	3.957 b	1.147 f	30.1 de	82.3 ab	56.38 a	879 a
PHY 333 WRF	1528 ab	33.07 a-c	3.960 b	1.163 de	30.2 c-e	82.6 ab	55.58 ab	849 ab
FM 1911 GLT	1525 ab	34.14 a	3.733 d	1.183 c	30.5 b-e	81.8 bc	56.13 ab	856 ab
DP 1522 B2XF	1487 a-c	33.91 a	4.157 a	1.160 ef	30.0 de	82.3 ab	55.90 ab	832 ab
CG 3475 B2XF	1485 a-d	33.47 ab	4.217 a	1.160 ef	31.7 a-c	82.5 ab	54.25 bc	804 bc
DP 1612 B2XF	1452 b-e	32.23 cd	3.9433 b	1.183 c	31.8 ab	82.9 a	56.35 a	818 bc
FM 1830 GLT	1424 c-f	33.44 ab	3.667 d	1.227 a	31.7 a-c	82.0 bc	57.05 a	812 bc
NG 4545 B2XF	1418 c-f	32.41 b-d	4.123 a	1.150 ef	32.8 a	81.9 bc	56.78 a	806 bc
PHY 308 WRF	1386 d-f	30.73 e	3.750 d	1.153 ef	32.5 a	81.9 bc	52.47 c	728 de
PHY 243 WRF	1380 ef	29.52 f	3.327 e	1.203 b	28.9 e	81.3 c	50.03 d	692 e
NG 3517 B2XF	1350 f	31.54 de	3.923 bc	1.177 cd	33.2 a	82.5 ab	56.97 a	769 cd
<i>Mean</i>	1463	32.67	3.879	1.171	31.2	82.1	55.39	811
<i>P&gt;F</i>	0.0014	<0.0001	<0.0001	<0.0001	0.0003	0.0239	<0.0001	<0.0001
<i>LSD (P ≤ 0.1)</i>	101	1.09	0.137	0.016	1.6	0.8	2.00	58
<i>CV</i>	6.275	5.085	6.574	2.148	4.787	0.776	4.154	8.277

Planted May June 3<sup>rd</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 13. Hale County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
DP 1646 B2XF	334 a	36.47	4.983 cd	1.123 a	29.9 b-d	79.3 c-e	54.25 a	181 a
PHY 499 WRF	332 a	33.24	5.160 a-c	1.050 b-d	30.4 a-c	80.2 a-c	48.33 c	161 a-c
ST 4946 GLB2	327 a	32.46	5.263 a	1.077 b	31.5 a	80.4 ab	49.43 bc	162 a-c
DP 1549 B2XF	318 ab	34.10	4.540 e	1.063 bc	30.7 ab	78.8 de	52.38 ab	167 ab
CG 3885 B2XF	317 ab	35.32	4.937 d	1.067 bc	27.6 e	79.6 b-d	52.47 ab	166 a-c
PHY 444 WRF	317 ab	33.81	4.553 e	1.143 a	30.6 a-c	80.8 a	55.83 a	177 a
NG 3405 B2XF	308 ab	33.68	4.990 cd	1.040 cd	28.4 de	78.6 ef	47.70 c	147 b-d
NG 3406 B2XF	304 ab	34.87	4.953 d	1.020 d	27.4 e	78.9 de	47.82 c	145 b-e
PHY 333 WRF	284 bc	34.31	5.040 b-d	1.077 b	29.2 cd	80.1 a-c	49.52 bc	141 c-e
NG 3517 B2XF	280 bc	32.31	5.037 b-d	1.063 bc	30.5 a-c	79 de	50.08 bc	141 b-e
NG 4545 B2XF	260 c	32.46	5.190 ab	1.067 bc	31.3 ab	79.3 c-d	50.03 bc	130 de
FM 2322 GL	257 c	36.37	5.203 ab	1.027 d	30.1 a-c	77.7 f	46.80 c	120 e
<i>Mean</i>	303	34.12	4.988	1.068	29.8	79.4	50.39	153
<i>P&gt;F</i>	0.0020	0.0026	<0.0001	<0.0001	<0.0001	<0.0001	0.0008	0.0013
<i>LSD (P ≤ 0.1)</i>	39	2.09	0.182	0.031	1.5	0.9	3.73	26
<i>CV</i>	12.124	5.284	5.053	3.724	5.172	1.225	6.988	15.359

Planted May 24<sup>th</sup>.<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 14. Hall County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
NG 4545 B2XF	670 a	30.52 ab	3.573 a	1.103 de	30.3 b-d	81.4 a	36.78	272 ab
FM 1911 GLT	670 a	31.42 a	3.243 c-e	1.127 bc	28.3 ef	80.0 c	45.97	308 a
CG 3475 B2XF	617 ab	30.54 ab	3.503 ab	1.123 bc	31.1 ab	81.3 a	47.20	291 a
FM 1830 GLT	584 ab	29.12 a-c	3.177 c-f	1.197 a	31 a-c	81.4 a	47.33	276 ab
DP 1612 B2XF	584 ab	28.04 a-c	3.387 a-c	1.133 b	31.5 ab	81.1 ab	47.03	276 ab
NG 3406 B2XF	570 ab	30.78 ab	3.333 b-d	1.097 e	29.5 de	81.3 a	45.18	259 ab
NG 3517 B2XF	550 b	27.14 bc	3.113 ef	1.123 bc	31.2 ab	81.2 ab	44.57	245 a-d
NG 3405 B2XF	548 b	30.73 ab	3.243 c-e	1.110 c-e	29.7 cd	81.3 a	46.28	254 a-c
PHY 243 WRF	518 bc	26.99 bc	2.627 g	1.130 b	27.8 f	78.6 d	38.03	198 b-d
PHY 308 WRF	433 cd	27.74 a-c	3.140 d-f	1.117 b-d	31.8 a	81.0 ab	43.38	188 b-d
DP 1522 B2XF	391 d	25.88 c	3.270 c-e	1.117 b-d	29.7 cd	80.4 bc	44.98	176 cd
PHY 333 WRF	366 d	25.75 c	2.993 f	1.110 c-e	29.0 d-f	80.7 a-c	42.52	156 d
<i>Mean</i>	542	28.72	3.217	1.124	30.1	80.8	44.11	242
<i>P&gt;F</i>	<0.0001	0.0802	<0.0001	<0.0001	<0.0001	<0.0001	0.6229	0.0327
<i>LSD (P ≤ 0.1)</i>	112	4.24	0.210	0.017	1.3	0.8	NS	92
<i>CV</i>	25.178	10.029	8.147	2.333	4.646	1.115	14.770	32.754

Planted May June 25<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated. The low loan values present here are due to discounts for low micronaire and poor color grades (yellow staining).

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 15. Hockley County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
CG 3475 B2XF	1306 a	36.62 b-d	4.647 a-c	1.153 f	31.1 cd	82.9 ab	54.20 a-c	708 ab
FM 1830 GLT	1303 ab	37.30 ab	4.213 e	1.233 a	32.1 c	82.4 b	55.02 ab	717 a
NG 3406 B2XF	1297 a-c	37.95 a	4.750 ab	1.147 f	30.0 d	82.6 b	55.35 ab	718 a
DP 1612 B2XF	1287 a-c	35.79 de	4.707 a-c	1.180 c	32.2 bc	83.5 a	55.02 ab	708 ab
FM 1911 GLT	1282 a-c	36.72 bc	4.317 de	1.187 bc	31.3 cd	82.9 ab	54.10 bc	693 ab
NG 3405 B2XF	1275 a-c	36.79 bc	4.563 a-d	1.143 f	29.9 d	83.0 ab	56.48 a	720 a
NG 4545 B2XF	1244 a-d	35.64 e	4.667 a-c	1.157 ef	34.1 a	82.6 b	55.73 ab	693 ab
DP 1522 B2XF	1227 a-e	36.04 c-e	4.813 a	1.160 d-f	30.9 cd	82.7 b	54.75 ab	672 ab
PHY 333 WRF	1222 b-e	35.42 e	4.460 b-e	1.187 bc	31.6 c	83.6 a	54.22 a-c	662 b
NG 3517 B2XF	1215 c-e	34.25 f	4.417 c-e	1.177 cd	33.8 a	82.8 b	55.13 ab	670 ab
PHY 243 WRF	1185 de	34.30 f	3.920 f	1.203 b	31.5 c	81.1 c	51.12 d	606 c
PHY 308 WRF	1154 e	33.48 f	4.437 c-e	1.173 c-e	33.6 ab	82.9 ab	52.33 cd	604 c
<i>Mean</i>	1250	35.86	4.493	1.175	31.8	82.8	54.45	681
<i>P&gt;F</i>	0.0119	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0075	0.0007
<i>LSD (P ≤ 0.1)</i>	83	0.88	0.293	0.020	1.5	00.7	2.35	53
<i>CV</i>	5.048	4.014	6.595	2.288	4.822	0.868	3.389	6.923

Planted May 23<sup>rd</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 16. Lubbock County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
DP 1549 B2XF	513 a	36.46 bc	4.877 e	1.050 d-f	29.2 cd	79.8 c	50.33 bc	259 ab
PHY 444 WRF	503 ab	35.49 c-e	4.617 f	1.123 a	30.2 b-d	81.6 a	54.53 a	274 a
DP 1646 B2XF	483 a-c	38.03 ab	4.933 de	1.110 a	28.9 d	79.9 c	54.07 a	261 ab
FM 2322 GL	480 a-c	39.82 a	5.060 cd	1.087 b	32.1 a	80.9 ab	52.22 ab	250 ab
ST 4946 GLB2	478 a-c	35.23 c-e	5.217 b	1.050 d-f	30.8 a-c	81.6 a	49.37 c-e	236 bc
NG 3405 B2XF	474 a-d	36.09 b-d	5.047 cd	1.053 de	28.7 d	81.1 a	49.37 c-e	234 bc
PHY 333 WRF	462 a-d	33.66 e	5.043 cd	1.083 bc	30.3 a-d	81.4 a	50.10 b-d	231 bc
NG 4545 B2XF	455 b-d	35.78 cd	5.403 a	1.053 de	31.4 ab	80.6 bc	48.02 c-e	218 c
NG 3406 B2XF	454 b-d	35.5 c-d	4.973 de	1.030 f	28.8 d	80.4 bc	47.53 de	215 c
PHY 499 WRF	432 cd	34.14 de	4.993 de	1.050 d-f	30.9 a-c	81.6 a	49.78 b-e	215 c
NG 3517 B2XF	418 d	34.92 c-e	5.137 bc	1.063 cd	30.8 a-c	80.9 ab	50.32 bc	210 c
CG 3885 B2XF	360 e	34.95 c-e	5.227 b	1.040 ef	25.9 e	80.3 bc	47.28 e	171 d
<i>Mean</i>	459	35.84	5.044	1.066	29.8	80.9	50.24	231
<i>P&gt;F</i>	0.0011	0.0004	<0.0001	<0.0001	<0.0001	0.0007	<0.0001	<0.0001
<i>LSD (P ≤ 0.1)</i>	56	2.118	0.138	0.022	1.8	0.9	2.58	31
<i>CV</i>	11.336	5.463	4.042	2.856	6.200	0.931	5.178	14.121

Planted May 24<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 17. Lynn County Dryland RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
ST 4946 GLB2	488 a	39.22 a	4.753 bc	1.097 de	30.5 bc	80.7 bc	52.38 cd	255 a
PHY 444 WRF	464 a	37.77 a-c	4.007 e	1.170 a	29.7 b-d	81.6 a	54.07 b	251 a-c
PHY 499 WRF	462 ab	35.89 b-d	4.753 bc	1.097 de	29.7 b-d	81.1 a-c	54.13 b	250 a-c
DP 1646 B2XF	446 a-c	38.02 a-c	4.720 bc	1.163 ab	28.9 c-e	80.7 bc	56.60 a	252 ab
NG 3406 B2XF	433 a-d	35.82 cd	4.900 ab	1.093 de	27.9 e	81.4 ab	53.67 bc	232 a-d
DP 1549 B2XF	421 a-e	36.31 b-d	4.423 d	1.100 de	28.7 de	79.3 d	51.72 d	218 c-e
PHY 333 WRF	397 b-e	34.49 d	4.593 cd	1.117 cd	29.3 c-e	81.2 ab	51.77 d	205 d-f
FM 2322 GL	393 c-e	38.25 ab	4.600 cd	1.140 bc	32.4 a	81.1 a-c	55.90 a	220 b-e
NG 3405 B2XF	377 de	36.3 b-d	4.877 ab	1.093 de	27.7 e	81.6 a	53.75 bc	202 d-f
NG 3517 B2XF	369 de	34.53 d	4.760 bc	1.107 de	31.1 ab	80.6 bc	52.03 d	192 ef
CG 3885 B2XF	357 e	36.62 b-d	4.537 cd	1.090 e	27.6 e	80.3 c	52.30 cd	187 ef
NG 4545 B2XF	357 e	34.95 d	5.063 a	1.087 e	31.2 ab	80.5 bc	50.97 d	181 f
<i>Mean</i>	414	36.51	4.666	1.113	29.6	80.8	53.27	220
<i>P&gt;F</i>	0.0032	0.0056	<0.0001	<0.0001	<0.0001	0.001	<0.0001	0.0002
<i>LSD (P ≤ 0.1)</i>	67	2.38	0.258	0.027	1.7	0.9	1.45	33
<i>CV</i>	13.522	5.17	6.629	2.847	5.679	0.982	3.575	14.243

Planted June 8<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.

**Table 18. Mitchell County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
FM 1830 GLT	1180 a	34.75 a	4.457 c	1.223 a	34.6 a-c	81.1 a	53.92 a	637 a
DP 1612 B2XF	1162 ab	31.34 d-f	4.820 a	1.157 b	33.6 a-d	81.0 a	50.55 bc	588 ab
NG 4545 B2XF	1151 a-c	31.49 d-f	4.587 bc	1.127 b-e	34.0 a-d	81.5 a	51.48 a-c	593 ab
NG 3406 B2XF	1120 a-d	32.46 cd	4.680 ab	1.103 e	31.3 e	81.3 a	52.70 ab	591 ab
NG 3517 B2XF	1072 a-e	31.11 ef	4.607 bc	1.133 b-e	32.6 c-e	81.0 a	51.45 a-c	552 b-d
NG 3405 B2XF	1068 b-e	32.45 cd	4.613 bc	1.113 de	31.0 e	80.9 a	53.33 ab	569 a-c
DP 1522 B2XF	1047 c-f	31.91 de	4.610 bc	1.140 b-d	33.0 b-e	81.0 a	51.40 a-c	539 b-d
CG 3475 B2XF	1019 d-g	31.58 de	4.763 ab	1.123 c-e	34.8 ab	80.9 a	49.58 c	506 c-e
PHY 308 WRF	982 e-g	30.31 f	4.700 ab	1.117 c-e	34.6 ab	81.7 a	48.80 c	480 de
FM 1911 GLT	977 e-g	33.98 ab	4.713 ab	1.147 bc	35.5 a	81.6 a	54.05 a	529 b-e
PHY 243 WRF	944 fg	31.19 ef	4.160 d	1.130 b-e	32.0 de	79.2 b	48.75 c	459 e
PHY 333 WRF	933 g	33.23 bc	4.437 c	1.143 b-d	32.1 de	80.7 a	49.55 c	463 e
<i>Mean</i>	1055	32.15	4.600	1.138	33.3	81.0	51.30	542
<i>P&gt;F</i>	0.0005	<0.0001	0.0001	<0.0001	0.001	0.0118	0.007	0.0007
<i>LSD (P ≤ 0.1)</i>	110	1.19	0.205	0.032	2.0	1.1	3.03	75
<i>CV</i>	12.275	4.386	5.059	3.021	5.258	1.081	4.619	14.542

Planted May 24<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.



**Table 19. Terry County Irrigated RACE Trial Results.**

Variety	Lint Yield (lbs./acre)	Turnout (%)	Micronaire	Fiber Length (in.)	Strength (g/tex)	Uniformity (%)	Loan Value <sup>1</sup> (cents/lb.)	Value/Acre <sup>2</sup> (\$ per acre)
PHY 333 WRF	847	35.08 b-e	4.903 bc	1.107 d-g	30.3 c	82.2333	51.93 a-d	441
NG 3405 B2XF	831	35.78 b-d	4.723 c	1.103 e-g	29.4 c	81.4	52.43 a-c	435
DP 1522 B2XF	803	36.41 a-c	4.903 bc	1.127 c-e	31.0 bc	81.9333	53.15 ab	427
FM 1911 GLT	802	36.93 ab	4.937 bc	1.140 bc	33.4 a	81.5333	53.23 ab	428
NG 4545 B2XF	797	35.32 b-e	5.223 a	1.103 e-g	30.7 c	81.3	50.53 b-d	402
PHY 308 WRF	786	35.25 b-e	4.863 c	1.110 d-g	30.4 c	81.9	51.27 b-d	402
CG 3475 B2XF	776	35.5 b-d	4.950 bc	1.093 g	30.8 bc	81.5667	48.68 d	379
NG 3406 B2XF	771	35.1 b-e	4.853 c	1.100 fg	30.3 c	82.0333	51.62 a-d	399
NG 3517 B2XF	765	33.99 de	5.117 ab	1.130 cd	33.5 a	81.6	52.30 a-d	400
PHY 243 WRF	753	33.5 e	4.403 d	1.160 b	30.1 c	80.6333	50.60 b-d	382
DP 1612 B2XF	746	34.73 c-e	4.770 c	1.120 c-f	31.3 bc	82	49.28 cd	369
FM 1830 GLT	721	37.88 a	4.723 c	1.187 a	32.7 ab	81.9333	55.10 a	397
<i>Mean</i>	783	35.46	4.864	1.123	31.2	81.7	51.68	405
<i>P&gt;F</i>	0.5467	0.0086	<0.0001	<0.0001	0.0036	0.0183	0.0893	0.3599
<i>LSD (P ≤ 0.1)</i>	NS	1.95	0.230	0.025	2.00	0.757	3.74	NS
<i>CV</i>	9.771	4.261	4.958	2.750	5.236	0.705	5.435	12.021

Planted May 25<sup>th</sup>.

<sup>1</sup>Loan values calculated using the 2016 Upland Cotton Loan Valuation Model from Cotton Incorporated.

<sup>2</sup>Values/Acre = lint yield \* loan value.



<http://cotton.tamu.edu>

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Issued in furtherance of Cooperative Extension Work in Agriculture and Home Economics, Acts of Congress of May 8, 1914, as amended, and June 30, 1914, in cooperation with the United States Department of Agriculture. Douglas L. Steele, Director, Texas A&M AgriLife Extension Service, The Texas A&M University System.