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REPLICATED AGRONOMIC COTTON EVALUATION (RACE)  
SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2013



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# REPLICATED AGRONOMIC COTTON EVALUATION (RACE)

## SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2013

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<sup>14</sup>Georgetown, <sup>15</sup>Cameron, <sup>16</sup>Corsicana, and <sup>17</sup>Hondo, Texas

## ACKNOWLEDGMENTS

Appreciation is expressed to the cooperators that provided their land, equipment and time in assisting with prepping, planting, managing and harvesting of these plots throughout the year. All cooperators are listed in Table 1. In addition, we would like to extend our appreciation to **Cotton Incorporated** through the **Texas State Support Committee** for their partial funding of these trials.

## 2013 HIGHLIGHTS

Variety selection is the most important decision made during the year. Unlike herbicide or insecticide decisions that can be changed during the season to address specific conditions and pests, variety selection is made only once, and variety selection dictates the management of a field for the entire season. Variety decisions should be based on genetics first and transgenic technology second. Attention should be focused on agronomic characteristics such as yield, maturity, and fiber quality when selecting varieties. Figure 1 illustrates the cotton production regions of Texas.

From the latest data available, transgenic varieties accounted for 99% of the state acreage again in 2013. According to the USDA-Agricultural Marketing Service “Cotton Varieties Planted 2013 Crop” survey, the estimated percentage of upland cotton planted to specific Brands in Texas are as follows, Alltex had 2.5%, Americot/NexGen had 20%, Bayer CropScience – FiberMax had 39%, Bayer CropScience – Stoneville had 2.5%, Croplan Genetics had 0.5%, Delta Pine had 16%, Dyna-Grow had 1.4%, and Phytogen had 7%.

To assist Texas cotton producers in remaining competitive in the Lower Rio Grande Valley, Blacklands, South Texas/Wintergarden and Upper Coastal Bend regions (Figure 2), the Texas A&M AgriLife Extension Service-Cotton Agronomy program has been conducting, large plot, on-farm, replicated variety trials for the past eight years. This approach provides a good foundation of information that can be utilized to assist the variety selection process.

Twenty Replicated Agronomic Cotton Evaluation (RACE) Trials were planted in 2013 and are listed in Table 1. The 2013 season began with extremely dry to adequate soil moisture profile levels in most regions of the state at the time of planting. Some areas, mainly in the Lower Rio Grande Valley (LRGV) and Lower Gulf Coast (LGC) regions had very low soil moisture levels and numerous planned trials were not planted as a result of insufficient moisture to germinate the seed following planting. Even in regions

with sufficient planting moisture, obtaining an adequate stand was a challenge due to a string of several cold and wet weather events in the spring in the spring. As a result, many producers needed to replant multiple times and delayed planting for others.

The locations that were able to get a stand up and growing, generally made a decent crop considering the abnormally dry conditions that persisted throughout most regions of the state in 2013 and which has been preceded in several drier than normal years. Then, beginning in late September of 2013 following most of the cotton harvest, most regions of the state started to receive more typical levels of rainfall.

Mean location yields ranged from 2207 lbs/ac for the Weslaco irrigated location to 686 lbs/ac for the Nueces Co location. Mean dryland location yields ranged from 1392 lbs/ac for Milam Co to 738 for the Dewitt Co.

All the cotton seed companies with RoundupFlex® or Glytol® and Bt2® or Widestrike® technology had the opportunity to include at least one variety in the RACE trial at each location. All varieties were treated with either Aeris or Avicta Complete Pak seed treatment. Included in this publication are the cotton variety descriptions provided by company. See descriptions on page 1-1 .

In addition to the RACE trials, two Monster cotton variety trials (Table 22 and 23) were conducted in 2013 and the final yields and grades. Table 1 provides a list of cooperators, planting and harvest dates, row spacing and plot area for each location. Tables 2-5 show numerical rankings based upon lint yield for the varieties across all locations within a production region. Only the varieties that were planted at a minimum of three locations for the Lower Rio Grande Valley (Table 2) and Coastal Bend Counties (Table 3), seven locations for the Upper Coastal Bend (Table 4), and three locations for the Central Texas Blacklands County locations (Table 5) were included in these four tables.

Tables 6 to 23 include the RACE trial yield data and fiber analysis for each individual location. Data featured in these tables include, statistical analysis of yield, turnout, fiber quality parameters, loan and gross lint value/acre. Most locations were ginned with a 20-saw table-top gin with no lint cleaner. This method consistently produces higher lint turnout percentages than would be common in a commercial gin. Consequently, higher turnouts equate to lint yields which are generally higher than area-wide commercial yields. Additionally, all data were standardized to a color grade and leaf of 41-4.

The statistical analysis quantifies the variability of the test site conditions, such as soil type, harvesting, insect damage, etc. A CV (coefficient of variation) of 15% or less is

generally considered acceptable and means the data are dependable. A trial with a small LSD (least significant difference), indicates more consistency within the trial and higher likelihood of identifying differences among varieties. A trial location with a large LSD and large CV indicates a higher degree of variability at the trial location. Non-statistical significance is represented as “NS” and indicates no differences among the varieties within the data column at a 5% significance level.

Varieties that are statistically different from one another will not have the same letter next to the corresponding number value in a column. For example, Table 6 (Uniform Stacked-Gene Cotton Variety Trial in Cameron county) lint yields for PHY 575WRF (1638 lbs of lint/acre) and NG 1511B2RF (1622 lbs of lint/acre) are both followed by a letter, “b”, and thus are considered significantly similar for yield. However, DP 1252 B2RF (1800 lbs of lint/acre) and NG 1511 B2RF (1622 lbs of lint/acre) do not have the same letter following each of them and are therefore considered significantly different from one another.



## Variety Characteristics/Highlights

Below are the cotton variety characteristics and highlights that were included in the 2013 Uniform Variety Trials and other common varieties planted in these regions. These cotton variety descriptions were provided by individual seed company representatives or publicly available information.

### ALLTEX NITRO 44B2F

- Semi-smooth leaf
- Excellent seedling vigor
- Medium maturity
- Superior fiber quality with very long staple
- Premium micronaire in high micronaire conditions
- Adapted to irrigated South Texas, Texas High Plains and Concho Valley

### DynaGro 13125B2F (experimental DynaGro cultivar)

- Semi-smooth leaf
- Medium maturity
- Good fiber quality and turnout
- Adapted to Lower Rio Grande Valley and Southeastern US

### CROPLAN GENETICS 3787B2F

- Mid-full maturity
- Adapted for dryland but produces good under irrigated conditions
- Excellent seedling vigor
- Very good storm tolerance
- Excellent fiber package

### DeltaPine 0935B2RF

- Mid maturity variety
- Smooth leaf
- High gin turnout
- Nectariless trait for plant bug suppression

### DeltaPine 0949B2RF

- Medium-tall plant height
- Mid-full maturity variety
- Light-hairy leaf
- High gin turnout

### DeltaPine 1044B2RF

- Mid-full maturity
- Semi-smooth leaf
- Excellent fit on dryland and limited irrigation
- V good Verticillium and Bacterial Blight resistance

#### DeltaPine 1048B2RF

- Medium-tall plant height
- Mid-full maturity
- Semi-smooth leaf
- Offers improved staple and uniformity
- Good Bacterial Blight and moderate Verticillium resistance

#### DeltaPine 1219B2RF

- Medium-tall plant height
- Early maturity variety
- Semi-smooth leaf
- Broadly adapted across Texas
- Good combination of yield and fiber quality

#### DeltaPine 1252B2RF

- Medium-tall plant height
- Smooth leaf
- Great fit for irrigated and more productive full season environments

#### DeltaPine 1359B2RF

- Smooth Leaf
- Full- season maturity
- Aggressive growth habits, requiring aggressive PGR management, especially pre-bloom
- Responsive to high-yield environments with high yield potential

#### FiberMax 1740B2RF

- Early/medium maturity variety
- Medium-tall plant with a slightly bushy growth habit
- Benefits from early season PRG applications
- Features good fiber properties
- Well-adapted to all cotton growing areas
- 

#### FiberMax 1944 GLB2

- GlyTol® + LibertyLink® and Bollgard II® technology
- Early-medium maturity....more towards medium maturity
- Widely adapted across entire Cotton Belt – irrigated or dryland
- Well suited for limited irrigation



### FiberMax 2989GLB2

- Medium maturity variety
- Smooth leaf
- Medium-tall plant with a slightly bushy growth habit
- Benefits from early season PRG applications
- Features good fiber properties
- Well-adapted to all cotton growing areas

### FiberMax 8270GLB2

- GlyTol® + LibertyLink® and Bollgard II® technology
- Medium to full maturity
- Okra leaf variety
- Especially well-suited for Coastal Bend dryland production

### NexGen 1511B2RF

- Medium maturity
- Semi-smooth leaf
- Excellent seedling vigor
- Medium to Tall plant height
- Moderate to aggressive plant growth regulation may be necessary, especially prior to first bloom, on highly productive soils
- Broad adaptation across soil types, geographies, and production systems
- Well adapted to irrigated or dryland throughout all areas of Texas
- High turnout and very good fiber quality

### NexGen 1511B2RF

- Full season maturity
- Indeterminate fruiting habit
- Smooth leaf
- Tall plant height
- Adapted to irrigated and dryland areas of south/central Texas, south delta, southeast and Arizona
- Moderate to aggressive plant growth regulation may be needed on productive soils
- High turnout and very good fiber quality

### Phytogen 339WRF

- Indeterminate, very early maturing
- Semi-smooth leaf
- Medium-tall plant height
- Excellent seedling vigor

#### Phytogen 367WRF

- Indeterminate,
- Semi-smooth leaf
- Medium-tall plant height
- Excellent seedling vigor
- Root Knot Nematode resistance

#### Phytogen 375WRF

- Indeterminate, often early maturing
- Semi-smooth leaf
- Medium-tall plant height
- Excellent seedling vigor
- Has atypical high degree of yield stability and quality for an early maturing cotton

#### Phytogen 499 WRF

- Mid-maturity variety with exceptional yield potential and very high turnout
- Aggressive growth, greater than PHY 375 WRF
- Consistent across soils and environments, suited for dryland and irrigated fields
- Outstanding seedling vigor and early season growth
- Larger seed size ~ 4,000 – 4,200 seed/lb.

#### Phytogen 575WRF

- Full season maturity
- Excellent seedling vigor
- Great yield potential
- Excellent choice for irrigated conditions
- Tall - PGR management required
- Smooth leaf
- Excellent fiber quality package
- Performed well under irrigation in Rio Grande Valley and Winter Garden

#### Stoneville 4946GLB2

- Early-mid maturity
- Dual tolerance to Liberty<sup>®</sup> and glyphosate herbicides
- Root-knot nematode tolerant
- Moderately-aggressive growth habits
- Broadly adapted across all cotton growing regions

#### Stoneville 6448GLB2

- Full season maturity
- Dual tolerance to Liberty<sup>®</sup> and glyphosate herbicides
- Excellent seedling vigor
- Well-suited for dryland and irrigated production

**Table 1. Trial location, cooperators, planting date, harvest date, row spacing, plot dimensions and area of 2013 Texas A&M AgriLife Extension RACE Trials harvested.**

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot (acres)
Cameron (B2F)	Eddie & James Bauer	Mar 20	Aug 29	40	12 rows x 800 feet	Irrigated	0.73
Hildago (B2F)	Tommy Bradford	Mar 28	Aug 24	38	12 rows x 602 feet	Irrigated	0.53
Weslaco (B2F)	TX AgriLife Research Farm	Mar 12	Aug 15	40	4 rows x 40 feet	Irrigated	.012
Corpus Christi - Drip (B2F)	TX AgriLife Research Farm	Apr 5	Aug 27	38	4 rows x 35 feet	Drip Irrigated	0.010
Calhoun (B2F)	David Hahn	Apr 27	Sep 3	38	6 rows x 1775 feet	Dryland	0.77
DeWitt (B2F)	Tracy Metting	May 7	Sept 17	38	6 rows x 950 feet	Dryland	0.41
Jackson (B2F)	Bruce White	Apr 15	Sept 4	40	6 rows x 1750 ft	Dryland	0.80
Matagorda (B2F)	Hansen Farms	Apr 2	Sept 2	40	6 rows x 865 0ft	Dryland	0.40
Wharton (B2F)	Kresta Farms	Apr 16	Aug 27	40	6 rows x 1450 ft	Dryland	0.65
Fort Bend (B2F)	Alan and Lisa Stasney	Apr 20	Sep 22	36	12 rows x 1450 ft	Irrigated	1.2
Colorado (B2F)	Mahalitc Farms	Apr 8	Sep 9	36	12 rows x 1500 ft	Irrigated	1.24
Burleson (B2F)	TX AgriLife Research Farm	Apr 8	Oct 8	40	2 rows x 520 ft	Irrigated	0.08
Williamson (B2F)	Herbert Raesz	Apr 15	Sept 9	30	4 rows x 900	Dryland	0.52

<b>County</b>	<b>Cooperator</b>	<b>Planting Date</b>	<b>Harvest Date</b>	<b>Row Spacing (inches)</b>	<b>Plot Dimensions</b>	<b>Irrigated or Dryland</b>	<b>Area harvested/plot</b>
<b>Milam (B2F)</b>	<b>Jay Beckhusen</b>	<b>Apr 18</b>	<b>Sep 5</b>	<b>30</b>	<b>4 rows x 1355 ft</b>	<b>Dryland</b>	<b>0.31</b>
<b>Navarro (B2F)</b>	<b>Danny Ferrer</b>	<b>Apr 22</b>	<b>Sep 6</b>	<b>38</b>	<b>6 rows x 600 ft</b>	<b>Dryland</b>	<b>0.26</b>
<b>Medina (B2F)</b>	<b>BW Farms</b>	<b>Apr 22</b>	<b>Oct 10</b>	<b>40</b>	<b>6 rows x 2208 ft</b>	<b>Irrigated</b>	<b>1.01</b>
<b>Hildago (Monster Var Trial)</b>	<b>TX AgriLife Research Farm</b>	<b>Mar 11</b>	<b>Aug 15</b>	<b>38</b>	<b>2 rows x 40 ft</b>	<b>Irrigated</b>	<b>0.006</b>
<b>Matagorda (Monster Var Trial)</b>	<b>Hansen Farms</b>	<b>Apr 2</b>	<b>Aug 22</b>	<b>40</b>	<b>2 rows x 35 ft</b>	<b>Dryland</b>	<b>0.005</b>

**Table 2. Variety ranking based on lint yield, Lower Rio Grande, 2013.**

Variety	Trial			Mean
	Cameron <sup>1</sup>	Hildago <sup>1</sup>	Weslaco <sup>1</sup>	
DP 1252B2F	1	1	2	1.33
AT Nitro 44B2RF	3	4	3	3.33
PHY 499WRF	7	3	1	3.67
DP 1044B2F	6	2	4	4.00
PHY 575WRF	2	8	5	5.00
NG 1511B2RF	4	5	6	5.00
FM 1944GLB2	5	4	8	5.67
FM 2989GLB2	8	6	7	7.00

<sup>1</sup>Indicates the location was irrigated.

**Table 3. Variety ranking based on lint yield, Coastal Bend Counties, 2013.**

Variety	Trial			Mean
	Calhoun	Corpus <sup>1</sup>	DeWitt	
PHY 499WRF	1	3	2	2.00
NG 1511B2RF	5	4	1	3.33
CG 3787B2RF	4	1	7	4.00
DP 1044B2F	9	2	4	5.00
ST 6448GLB2	3	8	5	5.33
AT Nitro 44B2RF	8	6	3	5.67
DP 1219B2F	2	5	10	5.67
PHY 575WRF	6	7	6	6.33
FM 1944GLB2	7	9	9	8.33
FM 8270GLB2	10	10	8	9.33

<sup>1</sup>Indicates the location was irrigated.

**Table 4. Variety ranking based on lint yield, Upper Gulf Coast, 2013.**

Variety	Trial				Mean
	Jackson	Matagorda	Wharton	Fort Bend <sup>1</sup>	
PHY 499WRF	2	5	1	1	2.25
NG 1511B2RF	1	4	4	4	3.25
DP 1219B2F	3	2	7	5	4.25
ST 4946GLB2	7	1	2	7	4.25
DP 1044B2F	6	3	5	6	5.00
PHY 339WRF	4	8	6	8	6.50
FM 1944GLB2	5	10	9	2	6.50
ST 6448GLB2	11	11	3	3	7.00
CG 3787B2RF	10	6	8	10	8.50
DG 13125B2RF	8	7	10	11	9.00
AT Nitro 44B2RF	9	9	11	9	9.50

<sup>1</sup>Indicates the location was irrigated.

**Table 5. Variety ranking based on lint yield, Central Texas Blacklands, 2013.**

Variety	Trial			Mean
	Williamson	Milam	Navarro	
DPL 1044B2F	2	3	3	2.67
PHY 499WRF	1	1	8	3.33
NG 1511B2RF	4	8	2	4.67
AT Nitro 44B2RF	7	6	1	4.67
DP 1219B2F	6	2	7	5.00
ST 6448GLB2	5	5	5	5.00
PHY 339WRF	8	4	4	5.33
ST 4946GLB2	3	7	9	6.33
FM 1944GLB2	9	9	6	8.00

**Table 6. Cameron County RACE Trial, 2013<sup>1</sup>**  
**Cooperator: Eddie & James Bauer**  
**Enrique Perez, County Extension Agent**  
**Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>2</sup>	
DP 1252B2F	1800	a	44.7	a	4.5	abc	1.16	de	29.3	c	83.4	a	52.94	a	954	a
PHY 575WRF	1638	b	39.6	d	4.4	bcd	1.19	bc	29.6	c	83.7	a	53.74	a	880	b
AT Nitro 44B2RF	1628	b	39.8	d	4.0	d	1.24	a	32.8	a	84.5	a	54.01	a	879	b
NG 1511B2RF	1622	b	42.7	c	4.7	a	1.14	ef	32.1	a	83.2	a	53.06	a	864	b
FM 1944GLB2	1594	bc	39.6	d	4.4	abc	1.21	b	31.7	ab	83.8	a	53.84	a	859	bc
DP 1044B2F	1548	bc	39.7	d	4.4	bcd	1.15	ef	30.2	bc	82.3	a	53.70	a	831	bc
PHY 499WRF	1468	cd	43.5	b	4.6	ab	1.13	f	32.6	a	83.6	a	53.70	a	789	cd
FM 2989GLB2	1413	d	38.1	e	4.2	cd	1.18	cd	31.8	ab	83.3	a	53.35	a	754	d
<b>Mean</b>	<b>1291</b>		<b>44.6</b>		<b>5.1</b>		<b>1.14</b>		<b>31.9</b>		<b>84.0</b>		<b>51.52</b>		<b>665</b>	
P>F	0.0324		0.0001		0.0001		0.0001		0.0001		0.05		0.0001		0.0357	
LSD (P=.05)	138		0.821		0.161		0.03		1.464		1.566		0.5734		68.98	
STD DEV	80.40		0.48		0.09		0.02		0.85		0.91		0.33		40.21	
CV%	6.23		1.07		1.85		1.53		2.67		1.09		0.65		6.05	

<sup>1</sup> Indicates the location was irrigated

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen.

**Table 7. Hildago County RACE Trial, 2013<sup>1</sup>**  
**Cooperator: Tommy Bradford**  
**Brad Cowan, County Extension Agent**  
**Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>2</sup>	
DP 1252B2F	2042	a	48.1	a	5.1	ab	1.13	b	28.7	e	83.9	a	50.67	d	1034	ab
DP 1044B2F	2041	a	43.5	c	5.0	bc	1.11	b	30.0	cde	83.3	a	51.78	cd	1057	a
ST 6448GLB2	1933	b	42.8	cd	4.9	cd	1.20	a	29.8	de	83.5	a	53.65	ab	1037	ab
PHY 499WRF	1919	b	45.8	b	5.3	a	1.12	b	32.1	abc	83.6	a	50.70	d	973	bc
FM 1944GLB2	1846	bc	42.1	d	5.0	bc	1.18	a	32.7	ab	83.7	a	52.93	abc	977	bc
NG 1511B2RF	1844	bcd	45.3	b	5.2	a	1.14	b	32.8	ab	83.4	a	50.53	d	932	c
FM 2989GLB2	1822	cd	41.3	e	5.0	bc	1.18	a	32.2	ab	83.4	a	51.97	bcd	947	c
AT Nitro 44B2RF	1755	de	43.4	c	4.6	e	1.22	a	33.8	a	84.4	a	53.88	a	946	c
PHY 575WRF	1713	e	42.3	d	4.7	de	1.18	a	31.2	bcd	84.5	a	53.83	a	922	c
<b>Mean</b>	<b>1879</b>		<b>43.8</b>		<b>5.0</b>		<b>1.16</b>		<b>31.5</b>		<b>83.8</b>		<b>52.22</b>		<b>981</b>	
P>F	0.0001		0.0001		0.0001		0.0001		0.0016		0.6274		0.0016		0.002	
LSD (P=.05)	88.7		0.741		0.191		0.037		2.09		1.43		1.76		64.5	
STD DEV	51.27		0.43		0.11		0.02		1.21		0.83		1.02		37.25	
CV%	2.73		0.98		2.21		1.85		3.84		0.99		1.95		3.80	

<sup>1</sup> Indicates the location was irrigated

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen.



**Table 8. Weslaco Research Center RACE Trial, 2013<sup>1</sup>  
Texas A&M AgriLife Research & Extension Center-Hiler Farm  
Weslaco, Texas<sup>1</sup>**

**Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>2</sup>	
PHY 499WRF	2432	a	47.1	a	4.9	ab	1.14	e	31.8	b	84.1	a	53.84	ab	1310	a
DP 1252B2F	2359	a	46.6	ab	4.7	abc	1.17	de	30.2	c	83.8	a	53.68	ab	1266	a
PHY 339WRF	2346	ab	44.6	bc	4.6	bc	1.17	de	30.7	bc	83.8	a	53.79	ab	1262	a
AT Nitro 44B2RF	2310	ab	41.5	d	4.1	d	1.28	a	33.3	a	84.9	a	54.08	a	1249	a
ST 6448GLB2	2242	abc	42.3	cd	4.8	ab	1.22	bc	30.3	c	83.7	a	52.03	c	1166	ab
DP 1044B2F	2241	abc	41.7	d	4.7	bc	1.16	de	30.2	c	83.7	a	53.04	abc	1189	ab
PHY 575WRF	2137	abc	40.7	d	4.5	cd	1.26	ab	30.8	bc	84.6	a	53.89	ab	1151	ab
NG 1511B2RF	2053	bc	45.7	ab	5.1	a	1.17	de	31.4	bc	84.4	a	51.84	c	1064	b
FM 2989GLB2	1993	c	42.6	cd	4.7	abc	1.19	cd	31.8	b	83.5	a	52.48	bc	1047	b
FM 1944GLB2	1961	c	40.8	d	4.9	ab	1.23	bc	32.1	ab	84.0	a	52.49	bc	1030	b
<b>Mean</b>	<b>2207</b>		<b>43.4</b>		<b>4.7</b>		<b>1.20</b>		<b>31.2</b>		<b>84.0</b>		<b>53.11</b>		<b>1173</b>	
P>F	0.0318		0.0001		0.0012		0.0001		0.0018		0.2669		0.0357		0.01	
LSD (P=.05)	300.712		2.488		0.36		0.0435		1.425		NS		1.572		163.4	
STD DEV	207.25		1.72		0.25		0.03		0.98		0.81		1.08		112.63	
CV%	9.39		3.96		5.30		2.50		3.14		0.96		2.04		9.60	

<sup>1</sup> Indicates the location was irrigated

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen.

**Table 9. Corpus Christi Research Center RACE Trial, 2013<sup>1</sup>  
Texas A&M AgriLife Research and Extension Center  
Corpus Christi, Texas**

**Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist  
Rudy Alaniz, Technician and Clinton Livingston, Technician**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>2</sup>	
CG 3787B2RF	766	a	40.2	a	4.1	ab	1.12	de	31.9	a	83.7	cd	53.81	ab	412	a
DP 1044B2F	748	a	37.5	bc	4.2	ab	1.10	e	31.6	a	83.1	d	53.51	bc	400	a
PHY 499WRF	735	a	39.9	a	4.2	ab	1.10	e	32.0	a	84.3	bc	53.31	cd	392	a
NG 1511B2RF	726	a	39.8	a	4.2	ab	1.09	e	34.2	a	83.1	d	53.16	d	386	a
DP 1219B2F	706	a	37.8	b	4.1	ab	1.13	cd	32.7	a	83.5	cd	53.91	a	381	a
AT Nitro	692	a	37.2	bcd	3.8	cd	1.19	a	32.3	a	85.1	ab	54.01	a	374	a
PHY 575WRF	691	a	36.2	d	3.8	d	1.17	ab	31.0	a	84.3	bc	53.89	a	372	a
ST 6448GLB2	649	a	38.0	b	4.0	bc	1.15	bc	32.3	a	83.1	d	53.88	a	350	a
FM 1944GLB2	598	a	36.3	d	4.1	b	1.14	cd	31.9	a	83.2	d	53.90	a	322	a
FM 8270GLB2	553	a	36.5	cd	4.3	a	1.17	ab	30.5	a	85.2	a	53.93	a	298	a
<b>Mean</b>	<b>686</b>		<b>37.9</b>		<b>4.1</b>		<b>1.14</b>		<b>32.0</b>		<b>83.8</b>		<b>53.73</b>		<b>369</b>	
P>F	0.0965		0.0001		0.0022		0.0001		0.4632		0.0001		0.0001		0.1184	
LSD (P=.05)	NS		1.029		0.249		0.0276		2.909		0.852		NS		NS	
STD DEV	99.03		0.71		0.17		0.02		2.01		0.59		0.24		53.49	
CV%	14.43		1.87		4.20		1.67		6.26		0.70		0.45		14.51	

<sup>1</sup> Indicates the location was irrigated with subsurface drip tape.

<sup>2</sup> Lint values were calculated using the 2012 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 10. Calhoun County RACE Trial, 2013**

**Cooperator: David Hahn**

**Ryan Damborsky, County Extension Agent-Agriculture and Natural Resources-Calhoun County**

**Stephen Biles, EA-IPM-Calhoun, Victoria, and Refugio Counties**

**Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>1</sup>	
PHY 499WRF	1327	a	44.4	a	5.1	ab	1.12	d	34.6	a	84.9	ab	51.18	c	679	a
DP 1219B2F	1267	ab	41.7	bc	4.7	de	1.18	bc	34.0	a	84.0	b	53.87	ab	683	a
ST 6448GLB2	1245	bc	41.7	bc	5.1	a	1.19	bc	30.6	bc	84.6	b	51.10	c	636	b
CG 3787B2RF	1202	cd	43.2	ab	4.9	bc	1.18	bc	31.3	bc	85.8	a	53.07	b	638	b
NG 1511B2RF	1162	d	43.3	ab	5.2	a	1.07	e	32.0	b	82.6	c	50.18	d	583	d
PHY 575WRF	1157	d	40.6	cd	4.8	cd	1.18	bc	31.0	bc	84.7	ab	53.85	ab	623	bc
FM 1944GLB2	1150	d	39.7	d	5.1	ab	1.19	b	32.1	b	84.0	b	51.17	c	588	cd
AT Nitro 44B2RF	1081	e	39.8	d	4.5	ef	1.22	a	34.8	a	85.8	a	53.97	a	583	d
DP 1044B2F	1081	e	40.1	cd	4.4	f	1.12	d	30.4	c	84.0	b	53.70	ab	580	d
FM 8270GLB2	1030	e	39.5	d	4.6	ef	1.17	c	33.9	a	85.0	ab	53.92	ab	555	d
<b>Mean</b>	<b>1170</b>		<b>41.4</b>		<b>4.8</b>		<b>1.16</b>		<b>32.5</b>		<b>84.5</b>		<b>52.60</b>		<b>615</b>	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0003		0.0001		0.0001	
LSD (P=.05)	63.164		1.628		0.169		0.0221		1.604		1.077		0.8737		35.4297	
STD DEV	36.82		0.95		0.10		0.01		0.94		0.63		0.51		20.65	
CV%	3.15		2.29		2.04		1.11		2.88		0.74		0.97		3.36	

<sup>1</sup>Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 11. DeWitt County RACE Trial, 2013**  
**Cooperator: Tracy Metting**  
**Anthony Netardus, County Extension Agent-Agriculture and Natural Resources-DeWitt County**  
**Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>1</sup>	
NG 1511B2RF	836	a	40.2	a	4.6	a	1.10	h	32.4	c	82.9	abc	53.10	a	444	a
PHY 499WRF	789	a	38.9	ab	4.2	b	1.13	g	33.8	ab	83.6	ab	53.90	a	425	a
AT Nitro 44B2RF	761	a	36.5	cd	3.8	cd	1.22	a	34.2	a	83.8	a	53.93	a	410	a
DP 1044B2F	760	a	35.8	d	3.6	de	1.13	fg	30.8	d	82.7	bc	53.08	a	403	a
ST 6448GLB2	754	a	34.9	de	3.7	cde	1.17	d	27.6	e	81.4	d	53.52	a	403	a
PHY 575WRF	728	a	35.1	de	3.4	e	1.20	ab	30.0	d	83.6	ab	52.00	a	378	a
CG 3787B2RF	715	a	37.6	bc	3.9	bc	1.15	ef	30.4	d	83.3	abc	53.80	a	385	a
FM 8270GLB2	691	a	33.7	e	3.6	cde	1.19	bc	33.5	abc	83.9	a	53.92	a	373	a
FM 1944GLB2	676	a	34.0	e	4.2	b	1.17	cd	30.5	d	83.0	abc	53.77	a	364	a
DP 1219B2F	668	a	35.1	de	3.5	de	1.16	de	32.5	bc	82.3	cd	52.03	a	346	a
<b>Mean</b>	<b>738</b>		<b>36.2</b>		<b>3.9</b>		<b>1.16</b>		<b>31.6</b>		<b>83.1</b>		<b>53.31</b>		<b>393</b>	
P>F	0.0742		0.0001		0.0001		0.0001		0.0001		0.0037		0.0641		0.0521	
LSD (P=.05)	NS		1.715		0.33		0.0192		1.396		1.111		NS		NS	
STD DEV	61.60		1.00		0.19		0.01		0.81		0.65		0.86		32.89	
CV%	8.35		2.76		4.99		0.96		2.58		0.78		1.61		8.37	

<sup>1</sup>Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 12. Jackson County RACE Trial, 2013**  
**Cooperator: Bruce White**  
**Michael Hiller, County Extension Agent, Clyde Crumley, Extension Agent-IPM**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>1</sup>	
NG 1511B2RF	1260	a	43.5	a	4.9	a	1.09	a	31.2	a	83.1	a	52.10	a	654	a
PHY 499WRF	1239	a	43.0	a	4.6	abc	1.11	a	32.6	a	83.2	a	52.55	a	649	a
DP 1219B2F	1223	a	42.5	a	4.7	ab	1.12	a	32.4	a	83.7	a	52.47	a	644	a
PHY 339WRF	1220	a	42.4	ab	4.8	a	1.13	a	31.1	a	83.5	a	53.53	a	653	a
FM 1944GLB2	1213	a	40.2	bc	4.8	a	1.16	a	31.7	a	83.6	a	53.77	a	652	a
DP 1044B2F	1172	a	41.4	abc	4.3	c	1.12	a	31.2	a	82.9	a	53.55	a	627	a
ST 4946GLB2	1163	a	42.5	a	4.9	a	1.09	a	33.0	a	83.4	a	53.13	a	618	a
DG 13125B2RF	1129	a	42.5	a	4.7	abc	1.12	a	31.2	a	84.1	a	53.72	a	607	a
AT Nitro 44B2RF	1127	a	39.3	c	4.3	bc	1.17	a	32.5	a	84.0	a	53.72	a	606	a
CG 3787B2RF	1101	a	41.5	abc	4.3	bc	1.14	a	32.1	a	84.0	a	53.83	a	593	a
ST 6448GLB2	1045	a	40.1	c	4.9	a	1.14	a	30.0	a	82.7	a	52.68	a	553	a
<b>Mean</b>	<b>1172</b>		<b>41.7</b>		<b>4.7</b>		<b>1.13</b>		<b>31.7</b>		<b>83.5</b>		<b>53.19</b>		<b>623</b>	
P>F	0.8205		0.0154		0.0096		0.2434		0.3595		0.6439		0.6313		0.8844	
LSD (P=.05)	NS		2.266		0.383		NS		NS		NS		NS		NS	
STD DEV	152.30		1.33		0.23		0.04		1.42		0.90		1.21		80.41	
CV%	12.99		3.19		4.82		3.26		4.46				2.28		12.90	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 13. Matagorda County RACE Trial, 2013**  
**Cooperator: Hansen Farms**  
**Brent Batchelor, County Extension Agent and Clyde Crumley, Extension Agent – IPM**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>1</sup>	
ST 4946GLB2	1192	a	42.1	c-f	5.0	c	1.06	de	33.5	ab	83.5	ab	51.52	bc	614	a
PHY 375WRF	1179	ab	43.1	bc	4.9	cd	1.04	de	30.0	de	82.1	cde	51.33	cde	605	a
DP 1219B2F	1153	ab	42.3	cde	4.9	cd	1.07	bcd	32.5	abc	82.1	cde	51.97	a-d	599	ab
DP 1359B2F	1141	abc	43.1	bc	5.1	b	1.07	bcd	32.3	abc	82.0	cde	50.15	def	572	a-d
DP 1044B2F	1136	abc	41.3	efg	4.8	d	1.05	de	30.3	de	82.1	cde	52.18	a-d	593	abc
NG 1511B2RF	1136	abc	44.0	ab	5.3	a	1.03	e	32.2	bc	82.9	a-e	46.50	g	528	de
PHY 499WRF	1131	abc	44.0	ab	5.2	ab	1.04	de	33.4	ab	84.0	a	48.17	fg	545	cde
CG 3787B2RF	1127	abc	44.5	a	5.1	b	1.07	bcd	31.1	cd	83.3	abc	49.30	ef	556	b-e
DG 13125B2RF	1110	bcd	42.7	cd	4.9	cd	1.10	abc	32.8	abc	83.9	a	53.42	ab	593	abc
PHY 339WRF	1071	cde	42.7	cd	4.6	e	1.05	de	32.9	ab	81.9	de	51.78	a-d	556	b-e
AT Nitro 44B2RF	1065	cde	41.1	fg	4.2	f	1.11	ab	34.1	a	83.2	a-d	53.70	a	572	a-d
FM 1944GLB2	1045	de	40.8	g	4.9	cd	1.07	cde	29.4	de	81.6	e	52.38	abc	548	cde
ST 6448GLB2	1027	e	41.9	d-g	5.2	b	1.13	a	28.7	e	82.4	b-e	50.75	cde	521	e
<b>Mean</b>	<b>1117</b>		<b>42.6</b>		<b>4.9</b>		<b>1.07</b>		<b>31.8</b>		<b>82.7</b>		<b>51.01</b>		<b>569</b>	
P>(F)	0.003		0.0001		0.0001		0.0002		0.0001		0.0091		0.0001		0.0076	
LSD (P=.05)	76.2		1.13		0.157		0.0356		1.82		1.333		2.0762		48.86	
STD DEV	45.22		0.67		0.09		0.02		1.08		0.79		1.23		28.99	
CV %	4.05		1.57		1.89		1.98		3.40		0.96		2.42		5.09	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT = AllTex, CG = Croplan Genetics, DP = DeltaPine, DG = DynaGrow, FM = FiberMax, NG = NexGen, PHY = Phytogen, ST = Stoneville.

**Table 14. Wharton County RACE Trial, 2013**  
**Cooperator: Kresta Farms**  
**Corrie Bowen, County Extension Agent and Clyde Crumley, Extension Agent – IPM**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>1</sup>	
PHY 499WRF	1166	a	44.9	a	4.9	cde	1.06	ef	32.6	b	82.9	ab	51.20		600	a
ST 4946GLB2	1108	ab	41.9	de	5.0	bc	1.10	cde	31.3	bc	81.3	d	51.95		567	a-d
ST 6448GLB2	1107	ab	41.9	de	4.9	cde	1.15	ab	30.0	c	83.3	ab	53.27		593	ab
NG 1511B2RF	1102	ab	44.5	ab	5.1	b	1.05	f	30.9	bc	81.6	cd	53.69		540	def
DP 1044B2F	1097	b	41.2	ef	4.7	f	1.08	def	30.9	bc	82.2	bcd	53.64		579	abc
PHY 339WRF	1080	b	43.6	abc	5.0	bcd	1.10	cd	32.1	b	83.1	ab	53.58		578	abc
DP 1219B2F	1061	b	42.4	cde	4.7	f	1.12	bc	32.2	b	82.1	bcd	51.28		570	a-d
CG 3787B2RF	1052	b	43.1	bcd	4.7	ef	1.11	cd	31.3	bc	82.7	abc	53.13		562	bcd
FM 1944GLB2	1048	b	42.0	de	4.9	bcd	1.12	bc	31.0	bc	82.2	bcd	52.27		551	cde
DG 13125B2RF	977	c	42.9	cd	4.8	def	1.12	bc	31.2	bc	83.6	a	50.50		523	ef
AT Nitro 44B2RF	950	c	40.1	f	4.7	f	1.16	a	34.7	a	83.1	ab	53.37		511	f
<b>Mean</b>	<b>1068</b>		<b>42.6</b>		<b>4.8</b>		<b>1.11</b>		<b>31.7</b>		<b>82.6</b>		<b>52.53</b>		<b>561</b>	
P>(F)	0.0001		0.0001		0.0001		0.0001		0.0026		0.0082		0.5379		0.0001	
LSD (P=.05)	64.51		1.536		0.183		0.0372		1.744		1.311		NS		33.29	
STD DEV	38.10		0.91		0.11		0.02		1.03		0.77		1.98		19.66	
CV %	3.57		2.13		2.22		1.99		3.26		0.94		3.77		3.52	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 15. Fort Bend County RACE Trial, 2013<sup>1</sup>**  
**Cooperator: Alan and Lisa Stasney**  
**Ricky Thompson, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>2</sup>	
PHY 499WRF	1102	a	44.2	a-d	4.9	b	1.09	f	33.6	ab	83.4	a	53.20	ab	586	a
FM 1944GLB2	1100	a	42.4	de	4.6	def	1.12	e	31.2	c	83.5	a	53.43	a	588	a
ST 6448GLB2	1054	a	43.1	cde	4.9	b	1.15	bc	27.3	d	81.7	a	52.08	b	548	a
NG 1511B2RF	1051	a	45.9	a	5.1	a	1.06	g	30.6	c	82.7	a	49.50	c	520	a
DP 1219B2F	1036	a	43.4	b-e	4.4	fg	1.14	bcd	31.4	c	82.3	a	53.65	a	556	a
DP 1044B2F	1030	a	42.9	cde	4.5	efg	1.13	cde	30.6	c	83.4	a	53.60	a	552	a
ST 4946GLB2	1020	a	42.3	ef	4.5	ef	1.12	de	31.5	c	83.1	a	53.65	a	547	a
PHY 339WRF	1007	a	44.6	abc	4.7	cde	1.12	e	32.4	bc	83.6	a	53.75	a	541	a
AT Nitro 44B2RF	1002	a	40.5	f	4.3	g	1.18	a	35.4	a	84.7	a	53.88	a	540	a
CG 3787B2RF	974	a	45.1	ab	4.9	bc	1.15	b	30.8	c	83.5	a	53.68	a	523	a
DG 13125B2RF	939	a	44.2	abc	4.8	bcd	1.15	bc	31.1	c	84.6	a	53.90	a	506	a
<b>Mean</b>	<b>1028</b>		<b>43.5</b>		<b>4.7</b>		<b>1.13</b>		<b>31.4</b>		<b>83.3</b>		<b>53.12</b>		<b>546</b>	
P>(F)	0.2559		0.0025		0.0002		0.0001		0.0004		0.1785		0.0005		0.2184	
LSD (P=.05)	NS		1.805		0.2141		0.0227		1.929		NS		1.2761		NS	
STD DEV	55.72		0.81		0.10		0.01		0.87		0.92		0.57		27.64	
CV %	5.42		1.86		2.05		0.91		2.76		1.10		1.08		5.06	

<sup>1</sup> Indicates the location was irrigated.

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG=Croplan Genetics, DG= DynaGrow, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville



**Table 16. Colorado County RACE Trial, 2013<sup>1</sup>**  
**Cooperator: Mahalitic Farms**  
**Kara Matheney, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>2</sup>	
PHY 499WRF	1383	a	42.1	a	4.6	a	1.14	a	33.4	a	83.6	a	52.88	a	732	a
NG 5315B2F	1341	a	39.6	a	4.4	a	1.17	a	32.0	a	84.2	a	53.87	a	723	a
DP 1219B2F	1328	a	40.6	a	4.4	a	1.17	a	33.3	a	83.8	a	53.92	a	716	a
PHY 575WRF	1246	a	40.3	a	4.5	a	1.15	a	32.2	a	83.3	a	53.80	a	671	a
FM 2989GLB2	1238	a	41.7	a	4.7	a	1.14	a	31.2	a	83.3	a	53.76	a	666	a
ST 6448GLB2	1227	a	40.6	a	4.9	a	1.16	a	31.1	a	83.3	a	53.72	a	660	a
PHY 339WRF	1225	a	42.0	a	4.5	a	1.11	a	31.7	a	82.8	a	53.58	a	656	a
DP 1044B2F	1218	a	42.3	a	4.4	a	1.18	a	33.4	a	83.5	a	53.90	a	656	a
FM 1944GLB2	1195	a	39.6	a	4.5	a	1.15	a	30.8	a	82.8	a	53.75	a	642	a
DG 13125B2RF	1161	a	39.4	a	4.7	a	1.14	a	31.2	a	83.0	a	53.81	a	625	a
AT Nitro 44B2RF	1151	a	39.8	a	4.5	a	1.17	a	32.8	a	84.7	a	53.95	a	621	a
<b>Mean</b>	<b>1247</b>		<b>40.7</b>		<b>4.6</b>		<b>1.15</b>		<b>32.1</b>		<b>83.5</b>		<b>53.72</b>		<b>670</b>	
P>(F)	0.7947		0.6275		0.7369		0.5238		0.3571		0.7079		0.5793		0.8487	
LSD (P=.05)	NS		NS		NS		NS		NS		NS		NS		NS	
STD DEV	166.20		2.13		0.33		0.03		1.59		1.20		0.55		91.00	
CV %	13.33		5.22		7.24		2.93		4.95		1.44		1.02		13.58	

<sup>1</sup> Indicates the location was irrigated

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 17. Burleson County RACE Trial, 2013<sup>1</sup>**  
**Texas A&M AgriLife Research and Extension Center, Snook, Texas**  
**Dusty Tittle, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>2</sup>	
	Year	Location	Yield	Turnout	Micronaire	Location	Length	Location	Strength	Location	Uniformity	Location	Loan Value	Location	Lint Value	Location
DPL 1044B2F	1992	a	38.3	de	4.3	b-e	1.18	ef	32.1	fg	83.7	a	53.87	a	1073	a
PHY 499WRF	1980	a	41.9	ab	4.6	a	1.16	f	35.0	ab	84.9	a	53.90	a	1067	a
NG 1511B2RF	1931	a	40.5	bc	4.6	ab	1.20	cde	34.1	a-d	84.2	a	53.88	a	1041	a
ST 4946GLB2	1914	a	39.4	cd	4.5	abc	1.20	cde	34.4	abc	84.1	a	53.87	a	1031	a
PHY 375WRF	1893	a	39.7	cd	4.2	de	1.19	c-f	32.4	efg	83.4	a	53.90	a	1020	a
FM 1740B2F	1877	a	39.7	cd	4.5	abc	1.16	ef	32.6	d-g	84.0	a	53.87	a	1011	a
ST 6448GLB2	1857	a	38.7	de	4.1	de	1.25	ab	31.5	g	82.7	a	53.80	a	999	a
FM 1944GLB2	1822	a	39.0	cde	4.4	a-d	1.24	ab	33.9	b-e	84.1	a	53.92	a	982	a
DP 1219B2F	1822	a	39.4	cd	4.2	cde	1.22	bc	35.5	a	83.9	a	53.93	a	983	a
PHY 339WRF	1805	a	38.8	de	4.2	de	1.24	b	33.4	b-f	85.3	a	54.10	a	977	a
DG 13125B2F	1796	a	37.5	e	4.3	a-e	1.23	bc	33.2	c-f	84.5	a	54.02	a	970	a
DP 1252B2F	1795	a	43.0	a	4.3	a-e	1.19	def	31.9	fg	84.4	a	53.95	a	968	a
AT Nitro 44B2F	1769	a	37.5	e	4.0	e	1.28	a	34.5	abc	84.6	a	54.03	a	956	a
<b>Mean</b>	1866		39.5		4.3		33.4		84.1		84.1		53.93		1006	
P>(F)	0.1682		0.0001		0.0141		0.0002		0.149		0.149		0.1122		0.1992	
LSD (P=.05)	NS		1.703		0.325		1.57		NS		NS		NS		NS	
STD DEV	100.31		1.01		0.19		0.93		0.90		0.90		0.10		54.30	
CV %	5.38		2.56		4.47		2.79		1.07		1.07		0.19		5.40	

<sup>1</sup> Indicates the location was irrigated

<sup>2</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 18. Williamson County RACE Trial, 2013**  
**Cooperator: Herbert Raesz**  
**Fred Hall, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>1</sup>	
PHY 499WRF	1000	a	35.6	a	4.8	abc	1.02	ef	31.1	b	82.0	bc	49.87	ef	499	a
DPL 1044B2F	996	a	34.6	ab	4.7	bc	1.04	de	28.7	c	81.2	bc	50.43	de	502	a
ST 4946GLB2	973	a	34.7	ab	5.0	a	1.04	de	29.5	c	82.2	b	49.62	ef	483	ab
NG 1511B2RF	952	ab	35.0	a	4.9	ab	1.01	f	29.5	c	80.6	c	48.12	f	458	bc
ST 6448GLB2	906	bc	33.5	bc	5.0	a	1.09	bc	26.3	d	82.1	b	50.72	cde	459	bc
DP 1219B2F	900	bcd	32.2	cd	4.6	cd	1.05	d	29.2	c	81.6	bc	52.07	bcd	469	abc
AT Nitro 44B2F	858	cde	32.2	cd	4.4	e	1.13	a	33.1	a	83.6	a	53.85	a	462	bc
PHY 339WRF	850	de	34.6	ab	4.5	de	1.06	cd	31.4	b	81.5	bc	52.30	abc	444	c
FM 1944GLB2	840	e	31.8	d	4.7	cd	1.09	b	28.7	c	81.7	bc	53.02	ab	445	c
<b>Mean</b>	919		33.8		4.7		1.06		29.7		81.8		51.11		469	
P>(F)	0.0001		0.0002		0.0001		0.0001		0.0001		0.0236		0.0001		0.0237	
LSD (P=.05)	54		1.46		0.221		0.0267		1.378		1.387		1.764		35.9	
STD DEV	31.20		0.85		0.13		0.02		0.80		0.80		1.02		20.70	
CV %	3.39		2.50		2.70		1.45		2.68		0.98		1.99		4.42	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT = AllTex, CG = Croplan Genetics, DP = DeltaPine, DG = DynaGrow, FM = FiberMax, NG = NexGen, PHY = Phytogen, ST = Stoneville.

**Table 19. Milam Co RACE Trial, 2013**  
**Cooperator: Jay Beckhusen**  
**Jon Gersbach, County Extension Agent and Jared Ripple – Extension Agent-IPM**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) <sup>1</sup>	
PHY 499WRF	1534	a	44.4	a	4.7	a	1.10	a	31.1	a	83.6	a	53.40	a	819	a
DP 1219B2F	1498	a	43.8	a	4.9	a	1.09	a	30.7	a	81.9	a	52.95	a	793	a
DP 1044B2F	1406	a	41.6	a	4.5	a	1.12	a	30.0	a	82.6	a	53.35	a	750	a
PHY 339WRF	1397	a	42.5	a	4.6	a	1.09	a	30.6	a	80.7	a	52.83	a	738	a
ST 6448GLB2	1387	a	42.9	a	4.8	a	1.12	a	28.2	a	80.6	a	53.35	a	740	a
AT Nitro 44B2RF	1359	a	40.5	a	4.7	a	1.17	a	30.5	a	83.0	a	53.65	a	729	a
ST 4946GLB2	1356	a	41.3	a	4.7	a	1.09	a	31.0	a	82.1	a	52.65	a	714	a
NG 1511B2RF	1323	a	42.6	a	5.0	a	1.09	a	30.2	a	82.6	a	51.53	a	683	a
FM 1944GLB2	1275	a	40.7	a	4.8	a	1.12	a	29.1	a	81.7	a	53.13	a	677	a
<b>Mean</b>	<b>1392</b>		<b>42.2</b>		<b>4.7</b>		<b>1.11</b>		<b>30.1</b>		<b>82.1</b>		<b>52.98</b>		<b>738</b>	
P>(F)	0.1435		0.3129		0.1883		0.1418		0.0837		0.1145		0.7313		0.1918	
LSD (P=.05)	NS		NS		NS		NS		NS		NS		NS		NS	
STD DEV	77.20		1.58		0.17		0.03		0.81		0.90		1.12		47.43	
CV %	5.54		3.73		3.67		2.33		2.70		82.1		2.11		6.43	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 20. Navarro County RACE Trial, 2013**  
**Cooperator: Danny Ferrer**  
**Logan Lair, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>1</sup>	
AT Nitro 44B2F	1192	a	47.1	a	4.4	a	1.16	a	32.8	a	83.7	a	53.93	a	643	a
NG 1511B2RF	1156	a	48.4	a	4.8	a	1.05	a	29.9	a	81.7	bc	50.93	c	590	a
DPL 1044B2F	1137	a	45.3	a	4.6	a	1.07	a	28.4	a	81.1	c	52.05	bc	592	a
PHY 339WRF	1133	a	45.9	a	4.3	a	1.11	a	32.8	a	83.1	ab	53.53	a	606	a
ST 6448GLB2	1121	a	45.2	a	4.6	a	1.10	a	28.0	a	81.8	bc	52.70	ab	591	a
FM 1944GLB2	1113	a	46.3	a	4.7	a	1.10	a	30.1	a	82.8	abc	52.88	ab	588	a
DPL 1219B2F	1106	a	45.5	a	4.4	a	1.10	a	28.8	a	81.1	c	52.80	ab	584	a
PHY 499WRF	1058	a	43.8	a	5.1	a	1.08	a	25.5	a	79.2	d	48.80	d	516	a
ST 4946GLB2	1021	a	46.9	a	4.5	a	1.09	a	28.2	a	82.1	abc	52.03	bc	531	a
<b>Mean</b>	<b>1106</b>		<b>45.9</b>		<b>4.6</b>		<b>1.09</b>		<b>29.4</b>		<b>81.8</b>		<b>52.26</b>		<b>578</b>	
P>F	0.7173		0.124		0.0649		0.0632		0.1092		0.009		0.0008		0.4957	
LSD (P=.05)	NS		NS		NS		NS		NS		1.708		1.4517		NS	
STD DEV	96.87		1.24		0.20		0.02		2.04		0.76		0.64		53.52	
CV%	8.76		2.69		4.44		2.12		6.92		0.92		1.23		9.26	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT = AllTex, CG = Croplan Genetics, DP = DeltaPine, DG = DynaGrow, FM = FiberMax, NG = NexGen, PHY = Phytogen, ST = Stoneville.

**Table 21. Medina County RACE Trial, 2013<sup>1</sup>**  
**Cooperator: BW Farms**  
**Jason Ott, County Extension Agent**  
**Dr. Gaylon D. Morgan, Extension Cotton Agronomist**  
**Dale A. Mott, Extension Program Specialist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) <sup>1</sup>	
NG 1511B2RF	1927	a	44.0	a	5.2	a	1.19	e	34.1	ab	84.7	a	51.20	b	987	a
DP 1252B2F	1897	a	41.7	bc	4.5	a	1.25	bc	33.4	b	84.1	a	53.93	a	1023	a
PHY 499WRF	1854	a	42.9	ab	4.8	a	1.20	de	34.3	ab	86.0	a	52.63	ab	977	a
DP 1044B2F	1838	a	42.4	ab	4.5	a	1.23	cd	30.9	d	85.1	a	53.85	a	990	a
DG 13125B2F	1823	a	41.3	bc	4.4	a	1.27	ab	32.9	bc	85.7	a	53.95	a	984	a
AT Nitro 44B2F	1816	a	39.2	d	4.3	a	1.28	a	35.4	a	85.6	a	54.03	a	981	a
ST 4946GLB2	1801	a	40.3	cd	4.7	a	1.22	cde	33.7	ab	84.7	a	53.90	a	971	a
ST 6448GLB2	1732	a	39.4	d	4.5	a	1.30	a	30.1	d	84.2	a	53.78	a	932	a
PHY 339WRF	1705	a	38.9	d	4.3	a	1.28	ab	31.5	cd	85.5	a	54.03	a	921	a
<b>Mean</b>	<b>1821</b>		<b>41.1</b>		<b>4.6</b>		<b>1.24</b>		<b>32.9</b>		<b>85.0</b>		<b>53.48</b>		<b>974</b>	
P>F	0.0979		0.0018		0.2337		0.0004		0.0024		0.058		0.0201		0.4345	
LSD (P=.05)	NS		1.835		NS		0.0316		1.868		NS		1.4282		NS	
STD DEV	61.98		0.80		0.30		0.01		0.81		0.53		0.62		41.09	
CV%	3.40		1.94		6.52		1.10		2.46		0.62		1.16		4.22	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT = AllTex, CG= Croplan Genetics, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

**Table 22. Hidalgo County Monster Cotton Variety Trial, 2013**  
**Texas A&M AgriLife Research and Extension Center, Weslaco, Texas**  
**Dr. Dan D. Fromme, Associate Professor and Extension Agronomist**  
**Rudy Alaniz, Technician and Clinton Livingston, Technician**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
PHY 499WRF	2581	a	45.7	bcd	4.9	b-e	1.17	ijk	32.9	bcd	85.0	b-f	52.56	abc	1358	a
DP 1252B2RF	2472	ab	46.8	a	4.8	c-f	1.16	jk	30.3	i	84.5	c-g	53.76	a	1329	ab
ST 4946GLB2	2471	ab	43.3	gh	5.1	abc	1.17	ijk	33.4	abc	84.5	c-g	51.86	bcd	1281	a-d
DP 1048B2RF	2468	ab	45.6	bcd	4.7	ef	1.20	e-h	30.3	i	85.0	b-f	53.78	a	1327	ab
PHY 44413WRF	2463	ab	46.2	ab	4.1	j	1.30	a	31.4	f-i	85.9	ab	54.04	a	1331	ab
AT NB502-54TCV	2416	ab	45.0	cde	4.7	fg	1.20	fgh	31.3	f-i	84.2	d-g	53.81	a	1300	abc
PHY 339WRF	2396	abc	44.6	ef	4.4	hi	1.20	e-h	32.7	b-e	84.6	c-g	53.93	a	1292	a-d
PHY 575WRF	2394	abc	41.7	kl	4.5	ghi	1.24	bc	31.2	f-i	85.4	abc	53.86	a	1290	a-d
NG 1511B2RF	2384	a-d	46.1	ab	5.2	a	1.15	kl	31.8	d-h	84.0	fg	50.84	d	1213	b-e
DP 12R242B2RF	2370	a-d	45.93	b	5.05	abc	1.20	e-h	31.10	f-i	86.13	a	51.89	bcd	1229	a-e
DP 1219B2RF	2361	a-d	43.00	hi	4.68	fg	1.24	bcd	33.93	ab	84.30	c-g	53.19	ab	1257	a-e
PHY 3122-40WRF	2358	a-d	44.90	def	4.68	fg	1.21	d-g	31.13	f-i	85.03	b-f	53.85	a	1270	a-e
AT Nitro 44B2Rf	2353	a-e	41.98	jk	4.33	ij	1.26	b	34.35	a	85.83	ab	54.00	a	1271	a-e
DP 12R224B2RF	2293	b-e	43.23	gh	4.75	def	1.19	ghi	31.48	e-i	84.73	c-g	53.88	a	1236	a-e
PHY 375WRF	2287	b-e	44.05	fg	4.70	efg	1.17	ijk	30.25	i	83.65	g	52.99	ab	1212	b-e
ST 6448GLB2	2286	b-e	42.23	ijk	4.98	a-d	1.23	cd	30.98	ghi	84.70	c-g	53.15	ab	1214	b-e
NG 1550B2RF	2268	b-e	43.33	gh	5.13	ab	1.13	l	28.73	j	84.13	efg	51.28	cd	1162	de
FM 2989GLB2	2268	b-e	40.93	l	4.93	b-e	1.22	cde	32.33	c-f	84.30	c-g	53.16	ab	1205	b-e
FM 1944GLB2	2259	b-e	41.65	kl	4.93	b-e	1.22	c-f	32.05	d-h	84.10	efg	52.21	bcd	1180	cde
AT NB502-68TCV	2258	b-e	44.08	fg	4.75	def	1.20	e-h	32.25	c-g	85.13	a-e	53.25	ab	1202	b-e

CG 13125B2RF	2258	b-e	44.38	ef	4.83	c-f	1.22	c-f	31.98	d-h	85.85	ab	53.29	ab	1202	b-e
PHY 367WRF	2155	cde	42.70	hij	4.63	fgh	1.18	hij	32.33	c-f	84.48	c-g	53.89	a	1161	de
DP 1044B2RF	2139	de	42.33	ijk	4.85	c-f	1.16	kl	31.58	d-i	84.43	c-g	53.15	ab	1138	e
NG 5315B2RF	2112	e	45.85	bc	4.78	def	1.19	ghi	30.75	hi	85.23	a-d	53.80	a	1136	e
LSD (P=.05)	246		0.9		0.2		0.24		1.3		1.1		1.48		135	
Standard Deviation	173		0.62		0.17		0.17		0.95		0.77		1.0		95.4	
CV	7.44		1.41		3.62		3.62		2.99		0.91		1.97		7.69	
Grand Mean	2336		43.98		4.76		4.76		31.68		84.78		53.14		1241.	
Treatment Prob(F)	0.03		0.000		0.00		0.00		0.000		0.000		0.000		0.032	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AM= Americot, , AT =AllTex, ATX = AllTexExperimental, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, SSG= Seed Source Genetics, ST= Stoneville



**Table 23. Matagorda County Monster Cotton Variety Trial, 2013**  
**Cooperator: Hansen Farms**  
**Brent Batechelor, County Extension Agent- Agriculture and Natural Resources**  
**Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist**  
**Rudy Alaniz and Clinton Livingston, Technicians**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
ST 4946GLB2	1515	a	42.3	h-l	5.3	a-e	1.09	i-l	33.6	e-k	84.6	d-l	50.16	i-n	761	abc
DP 1359B2RF	1514	a	44.0	b-f	5.2	d-i	1.12	f-i	34.7	cde	84.3	f-o	50.99	e-k	772	a
PHY 375WRF	1479	ab	42.9	f-i	5.0	h-m	1.10	hij	31.3	q	84.0	g-o	51.49	e-j	763	ab
DP 12R249B2R2	1445	abc	43.5	c-h	5.1	f-k	1.10	ij	33.4	f-m	84.0	h-o	50.64	g-m	732	a-f
PHY PX312240WRF	1439	abc	44.8	abc	5.1	g-l	1.12	f-i	32.5	k-q	85.5	a-e	51.46	e-j	743	a-e
PHY PX444413WRF	1391	a-d	45.2	ab	4.7	pq	1.19	ab	34.1	d-g	85.7	a-d	53.96	a	750	a-d
NG 1511B2RF	1357	a-e	44.0	b-f	5.5	a	1.07	k-n	33.5	e-l	83.9	i-o	49.03	n	666	b-k
AT NB502-55TCV	1355	a-e	42.8	f-j	5.4	ab	1.12	f-j	35.5	bc	84.9	b-j	49.75	k-n	674	a-j
PHY 499WRF	1346	a-f	45.5	a	5.2	c-h	1.06	mn	34.1	d-g	84.8	c-k	49.40	lmn	665	b-k
SSG HQ 210 CTCV	1339	a-f	39.0	q	5.3	a-d	1.06	mn	33.1	g-n	83.1	op	49.33	mn	660	b-k
AT Nitro 44B2RF	1302	b-g	40.5	nop	4.6	q	1.17	a-d	36.7	ab	85.1	a-h	53.94	a	702	a-g
PHY 575WRF	1301	b-g	41.3	l-p	4.9	l-p	1.13	e-h	31.3	q	84.7	c-k	53.84	ab	701	a-h
DP 12R224B2R2	1299	b-g	42.2	h-m	5.2	b-g	1.10	hij	31.6	opq	84.8	c-k	50.50	h-n	656	d-l
DP 1219B2RF	1297	b-g	42.0	i-m	5.0	i-n	1.14	c-f	35.5	bc	84.1	f-o	51.16	e-k	664	b-k
AT NB503-55TB2RF	1292	b-h	43.0	f-i	5.1	e-j	1.11	g-j	33.8	e-j	83.8	j-o	51.08	e-k	660	b-k
AT 11-1551B2RF	1289	b-h	42.5	h-l	4.8	opq	1.14	c-f	35.2	cd	85.8	abc	53.94	a	695	a-i
AT NB503-60TB2RF	1288	b-h	45.0	ab	4.8	nop	1.06	lmn	32.2	m-q	83.7	k-p	52.39	b-e	675	a-j
PHY 339WRF	1277	c-i	43.2	e-i	5.1	f-k	1.12	f-i	33.1	g-n	84.2	f-o	51.66	e-i	660	b-k
SSG UA 222CV	1275	c-i	40.9	m-p	5.2	c-h	1.14	c-f	33.8	e-i	84.1	f-o	51.15	e-k	652	d-l
DP 1044B2RF	1257	c-i	41.5	j-n	5.0	j-o	1.10	hij	32.6	i-p	83.2	nop	52.11	c-g	658	c-l
CG 13125B2RF	1256	c-i	42.9	f-i	5.1	e-j	1.13	e-h	33.2	g-n	85.0	b-i	51.19	e-k	643	e-l

ST 6448GLB2	1225	d-j	42.2	h-m	5.3	a-d	1.14	d-g	31.4	pq	83.5	l-p	50.31	h-n	616	g-n
AT NB503-51TB2RF	1221	d-j	42.6	g-l	5.1	f-k	1.17	a-d	35.3	cd	84.8	c-k	50.91	e-l	622	g-n
AT NB502-17RCV	1216	d-j	42.1	i-m	5.4	a-d	1.12	f-j	33.8	e-i	84.2	f-o	50.43	h-n	613	g-n
AT NB503-74TB2RF	1216	d-j	40.1	opq	4.9	k-o	1.17	abc	34.3	c-g	85.0	b-i	53.23	a-d	646	d-l
AT NB502-47TCV	1210	d-j	42.55	g-l	5.20	c-h	1.10	ijk	31.93	n-q	82.60	p	50.06	j-n	607	g-n
NG 1550B2RF	1210	d-j	42.43	h-l	5.25	b-f	1.05	n	29.28	r	83.33	m-p	48.98	n	594	i-n
AT NB502-18RCV	1193	e-j	42.78	f-j	5.38	abc	1.09	j-m	32.78	h-o	83.78	j-o	49.89	k-n	596	i-n
AT 11W351B2RF	1174	e-j	42.73	f-k	5.18	d-i	1.14	c-f	34.50	c-f	83.88	i-o	50.84	f-m	596	h-n
AT 11-1545B2RF	1173	e-j	40.03	pq	4.70	pq	1.19	a	37.90	a	86.25	a	53.99	a	633	f-m
12R242B2R2	1166	e-j	43.90	b-g	5.45	a	1.11	hij	32.15	m-q	85.03	b-i	49.89	k-n	582	j-n
DP 1048B2RF	1161	f-k	43.35	d-i	5.08	f-k	1.12	f-i	32.25	m-q	85.18	a-g	51.73	d-h	601	g-n
FM 1944GLB2	1127	g-k	41.40	k-o	5.05	g-l	1.16	a-e	32.55	j-q	84.35	e-n	51.18	e-k	577	j-n
SSG UA 103CV	1100	h-k	40.30	n-q	5.10	e-j	1.17	abc	36.60	b	85.00	b-i	51.23	e-k	563	k-n
ATNB503-62TB2RF	1092	ijk	44.65	a-d	5.03	h-m	1.06	n	31.43	pq	84.10	f-o	50.64	g-m	553	lmn
PHY 367WRF	1088	ijk	41.23	l-p	5.00	i-n	1.11	f-j	34.03	d-h	84.78	c-k	52.28	c-f	569	k-n
DP 1252B2RF	1045	jk	44.53	a-e	5.18	d-i	1.10	hij	32.20	m-q	84.88	b-k	50.90	e-l	532	mn
DP 1032B2RF	1036	jk	42.85	f-j	5.22	b-g	1.11	hij	32.85	h-n	84.48	e-m	50.58	h-m	524	n
AT 11W155B2RF	970	k	42.70	f-k	4.83	nop	1.16	b-e	31.55	opq	85.23	a-f	53.89	ab	523	n
NG 5315B2RF	769	l	44.05	b-f	4.85	m-p	1.14	c-f	32.33	l-q	86.03	ab	53.29	abc	408	o
LSD (P=.05)	193		1.4		0.2		0.03		1.3		1.2		1.53		105	
Standard Deviation	137.7		0.97		0.13		0.02		0.90		0.83		1.1		74.8	
CV	11.08		2.27		2.56		1.96		2.69		0.98		2.13		11.73	
Grand Mean	1243		42.63		5.09		1.12		33.35		84.49		51.33		638	
Treatment Prob(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	

<sup>1</sup> Lint values were calculated using the 2013 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AM= Americot, ARK = University of Arkansas Experimental, AT =AllTex, ATX = AllTexExperimental, BX= Bayer Fibermax or Stoneville Experimental, DP=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, SSG= Seed Source Genetics, ST= Stoneville



<http://cotton.tamu.edu>

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