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REPLICATED AGRONOMIC COTTON EVALUATION (RACE)
SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2014



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SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2014

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and ¹⁵Corsicana, Texas

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2014 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 2014. According to the USDA-Agricultural Marketing Service “Cotton Varieties Planted 2014 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 25%, Dyna-Grow had 3.5%, 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 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. These trials occur on producer’s farms and are managed by the producers.

Eighteen Replicated Agronomic Cotton Evaluation (RACE) Trials were planted in 2014 and are listed in Table 1. The 2014 season began better this year than the past few with adequate to excessive soil moisture at planting time with some isolated periods of heavy rains. In general, planting dates across most of the production regions were

delayed 2-4 weeks later than normal due to wet and cool conditions. These conditions left many producers having to make some difficult decision on whether to replant or stick with their current stand.

Yields across the state were generally at or above average in 2014. This is mainly due to starting the season with a full soil profile of moisture and some timely rainfall during the growing season. Most locations did receive some rain on the crop just prior to harvest which likely decreased lint grades. Fortunately, minimal lint was removed from the bur from the rain and yield reductions were usually small.

Mean location yields ranged from 2419 lbs/ac for the Weslaco irrigated location to 1043 lbs/ac for the Corpus Christi Center location. Mean dryland location yields ranged from 1728 lbs/ac for Matagorda Co to 598 lbs/ac 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 7-11.

In addition to the RACE trials, three Monster cotton variety trials (Tables 24-26) were conducted in 2014 and the final yields and grades are provided in this publication. 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), five locations for the Coastal Bend Counties (Table 3), five for the Upper Coastal Bend (Table 4), and three for the Central Texas Blacklands County locations (Table 5) were included in these four tables.

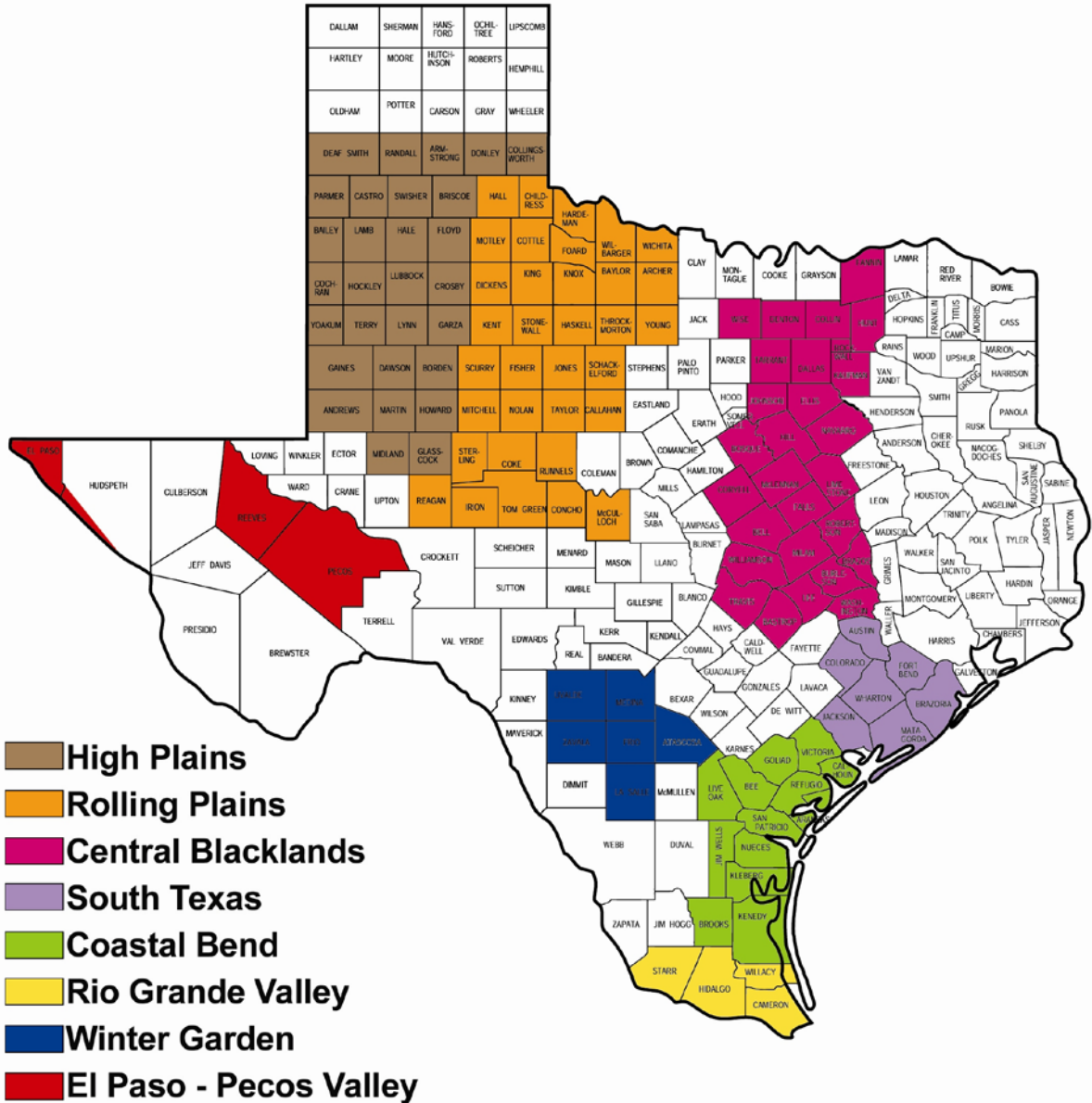
Tables 6 to 23 include the RACE trial yield data and fiber analysis for each individual location. Data featured in these tables include: statistical analysis of yield, turnout, fiber quality parameters, loan and gross lint value/acre. Most locations were ginned with a 20-saw table-top gin with no lint 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, because an accurate estimate of leaf grade and color are not possible without a lint cleaner on the gin.

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 95% confidence 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 (Cameron County RACE Trial) lint yields for PHY 333WRF (2030 lbs of lint/acre) and ST 4946GLB2 (1936 lbs of lint/acre) are both followed by a letter, “a”, and thus are considered significantly similar for yield. However, ST 4946GLB2 (1936 lbs of lint/acre) and DP 1359B2RF (1770 lbs of lint/acre) do not have the same letter following each of them and are therefore considered significantly different from one another.

Figure 1. Cotton Production Regions of Texas

COTTON PRODUCTION REGIONS - TEXAS



Variety Characteristics/Highlights

Below are the cotton variety characteristics and highlights that were included in the 2014 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

CROPLAN GENETICS 3787B2F

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

DeltaPine 0935B2RF

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

DeltaPine 0949B2RF

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

DeltaPine 1044B2RF

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

DeltaPine 1048B2RF

- Semi-smooth leaf
- Medium-tall plant height
- Mid-full maturity
- Offers improved staple and uniformity

- Good Bacterial Blight and moderate Verticillium resistance

DeltaPine 1219B2RF

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

DeltaPine 1252B2RF

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

DeltaPine 12R224B2R2

- Semi-smooth leaf
- Early maturity with very good storm resistance
- Medium/tall plant with high yield potential
- Responds to medium to high yielding management programs

DeltaPine 12R249B2R2

- Smooth leaf
- Medium/full maturing with excellent storm resistance
- Excellent fit for TX and Arizona with strong vigor
- Will respond to all management levels

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

DynaGro 13125B2F (experimental DynaGro cultivar)

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

FiberMax 1830GLT

- Early/medium maturity
- Excellent fiber quality with high gin turnout
- TwinLink two-gene Bt protection against worm pests
- Liberty and glyphosate herbicide-tolerant

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 5315B2RF

- 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 333WRF

- Early maturity
- Excellent seedling vigor
- Outstanding fiber quality package
- Dryland or irrigated conditions
- Hairy leaf

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 499WRF

- Mid-maturity variety with exceptional yield potential and very high turnout
- Aggressive growth
- 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
- 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[®] 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[®] 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 2014 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	Eddie & James Bauer	Mar 31	Sep 10	40	6 rows x 1720 feet	Irrigated	0.79
Hildago	Richard Drawe	Mar 22	Aug 25	40	12 rows x 1126 feet	Irrigated	1.03
Weslaco	TX AgriLife Research Farm	Mar 21	Aug 19	40	2 rows x 37 feet	Irrigated	.002
Corpus Christi	TX AgriLife Research Farm	Mar 28	Aug 8	40	4 rows x 35 feet	Dryland	.005
Nueces – Lawhon	Darrell Lawhon	Apr 1	Aug 19	38	6 rows x 2979 feet	Dryland	1.30
Nueces – Massey	Jim Massey, IV	Apr 1	Aug 19	30	8 rows x 2597 feet	Dryland	1.20
San Patricio	Reider Farms	Apr 3	Aug 18	38	6 rows x 2440 feet	Dryland	1.05
DeWitt	Tracy Metting	Apr 1	Sept 4	38	6 rows x 970 feet	Dryland	0.42
Jackson	Sappington Farm	Apr 2	Sept 1	38	6 rows x 2220 ft	Dryland	0.96
Matagorda	Hansen Farms	Apr 7	Sept 6	40	6 rows x 2175 ft	Dryland	1.0
Wharton	Kresta Farms	Apr 9	Sept 25	40	6 rows x 1450 ft	Dryland	0.65
Fort Bend	Alan and Lisa Stasney	May 3	Sep 24	36	12 rows x 1330 ft	Irrigated	1.1
Colorado	Mahalitc Farms	Apr 8	Oct 6	36	6 rows x 1700 ft	Irrigated	0.70

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot
Burleson	TX AgriLife Research Farm	Apr 8	Oct 2	40	2 rows x 525 ft	Irrigated	0.08
Williamson	Adam & Ricky Krueger	Apr 11	Sept 12	38	6 rows x 1630	Dryland	0.71
Milam	Jay Beckhusen	Apr 23	Sep 26	30	4 rows x 1710 ft	Dryland	0.39
Navarro	Danny Ferrer	Apr 25	Oct 2	36	6 rows x 600 ft	Dryland	0.26
Medina	BW Farms	Apr 4	Sept 22	30	6 rows x 2070 ft	Irrigated	0.71
Hildago (Monster Var Trial)	TX AgriLife Research Farm	Mar 21	Aug 195	3840	2 rows x 3740 ft	Irrigated	00.006.002
Corpus Christi (Monster Var Trial)	TX AgriLife Research Farm	Mar 28	Aug 8	40	2 rows x 35 ft	Dryland	0.005
Matagorda (Monster Var Trial)	Hansen Farms	Apr 23	Sep 4 Aug 22	40	2 rows x 35 ft	Dryland	0.005

Table 2. Variety ranking based on lint yield, Lower Rio Grande, 2014.

Variety	Trial			Mean
	Cameron ¹	Hildago ¹	Weslaco ¹	
PHY 499WRF	2	3	1	2.00
DP 1359B2RF	7	1	2	3.33
ST 4946GLB2	3	2	6	3.67
PHY 333WRF	1	6	5	4.00
NG 1511B2RF	4	5	3	4.00
CG 3787B2RF	9	4	7	6.67
DP 12R224B2RF	5	7	9	7.00
FM 1944GLB2	6	8	10	8.00
CT 13464B2F	10	10	4	8.00
ST 6448GLB2	8	9	8	8.33

¹Indicates the location was irrigated.

Table 3. Variety ranking based on lint yield, Coastal Bend Counties, 2014.

Variety	Trial					Mean
	Nueces - Lawhon	Nueces - Massey	Corpus Christi	San Patricio	DeWitt	
PHY 499WRF	2	1	1	1	1	1.20
PHY 333WRF	1	2	4	2	2	2.20
ST 4946GLB2	4	3	3	4	9	4.60
DP 1359B2RF	5	4	6	7	3	5.00
NG 1511B2RF	7	6	5	3	6	5.40
CG 3787B2RF	8	8	2	6	4	5.60
DP 1219B2RF	3	5	9	5	7	5.80
ST 6448GLB2	9	7	7	9	5	7.40
AT 13464B2F	6	9	10	8	10	8.60
FM 1944GLB2	10	10	8	10	8	9.20

Table 4. Variety ranking based on lint yield, Upper Gulf Coast, 2014.

Variety	Trial					Mean
	Jackson	Matagorda	Wharton	Fort Bend ¹	Colorado ¹	
PHY 333WRF	1	2	1	4	2	2.0
ST 4946GLB2	4	1	2	9	1	3.4
PHY 499WRF	3	5	3	1	7	3.8
NG 1511B2RF	5	6	6	2	5	4.8
DG 2285B2F	2	7	5	5	6	5.0
CL 3787B2RF	6	8	4	6	4	5.6
DPX 12R249B2F	7	4	7	3	8	5.8
DP1252B2F	10	3	8	8	3	6.4
ST 6448GLB2	8	9	10	7	9	8.6
FM 1830GLT	9	10	9	10	10	9.6

¹Indicates the location was irrigated.

Table 5. Variety ranking based on lint yield, Central Texas Blacklands, 2014.

Variety	Trial			Mean
	Williamson	Milam	Navarro	
PHY 333WRF	2	1	6	3.0
ST 6448GLB2	5	5	1	3.7
NG 1511B2RF	1	6	5	4.0
PHY 499WRF	3	2	7	4.0
DP 1219B2F	6	4	4	4.7
DPX 12R249B2F	4	3	8	5.0
ST 4946GLB2	7	7	3	5.7
CT 13464B2F	8	8	2	6.0
FM 1830GLT	9	9	9	9.0

Table 6. Cameron County RACE Trial, 2014¹
Cooperator: Eddie & James Bauer
Enrique Perez, County Extension Agent
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ²	
PHY 333WRF	2030	a	42.3	b	4.5	d	1.20	bc	30.7	b	84.5	a	54.35	a	1104	a
PHY 499WRF	2005	a	43.4	a	4.9	b	1.15	d	32.7	a	84.4	a	53.42	a	1070	ab
ST 4946GLB2	1936	ab	40.9	c	5.2	a	1.23	c	33.0	a	85.2	a	51.67	b	1000	bc
NG 1511B2RF	1832	bc	42.8	ab	5.0	b	1.18	cd	33.8	a	84.4	a	53.52	a	978	c
DP 12R224B2RF	1828	bc	40.9	c	4.8	bc	1.20	bc	31.0	b	85.6	a	54.48	a	996	bc
FM 1944GLB2	1790	bc	39.4	d	4.8	bc	1.23	ab	33.0	a	84.4	a	53.52	a	959	c
DP 1359B2RF	1770	c	43.0	ab	4.7	cd	1.21	bc	33.5	a	83.5	a	54.40	a	963	c
ST 6448GLB2	1723	c	40.6	c	4.8	bc	1.23	ab	30.3	b	83.5	a	54.22	a	934	c
CG 3787B2RF	1715	c	42.7	ab	4.9	bc	1.20	bc	31.0	b	85.6	a	54.47	a	934	c
CT 13464B2F	1496	d	39.4	d	4.5	d	1.25	a	33.7	a	84.9	a	54.50	a	815	d
Mean	1812		41.6		4.8		1.20		32.3		84.6		53.85		975	
P>F	<0.0001		<0.0001		<0.0001		0.0008		<0.0001		0.1098		0.007		<0.0001	
LSD (P=.05)	152.93		1.019		0.196		0.0325		1.205		NS		1.343		82.45	
STD DEV	168.32		1.55		0.23		0.03		1.43		1.01		1.14		85.29	
CV%	9.29		3.73		4.83		2.47		4.44		1.20		2.12		8.75	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 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, 2014¹
Cooperator: Richard Drawe
Brad Cowan, County Extension Agent
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ²	
DP 1359B2RF	1896	a	44.7	a	4.9	cd	1.19	bc	32.4	a	84.6	de	53.53	ab	1016	a
ST 4946GLB2	1855	ab	43.1	bc	5.1	bc	1.14	ef	31.7	ab	85.0	b-e	51.60	cd	957	ab
PHY 499WRF	1848	ab	44.3	ab	5.2	b	1.15	ef	32.5	a	85.7	ab	52.33	cd	954	ab
CG 3787B2RF	1805	a-c	44.6	ab	5.1	bc	1.16	de	30.5	bc	84.9	c-e	52.33	bc	943	bc
NG 1511B2RF	1797	a-c	44.7	a	5.4	a	1.13	f	31.7	ab	85.1	b-d	50.68	d	911	bc
PHY 333WRF	1769	a-c	44.0	ab	4.6	ef	1.21	ab	31.5	ab	85.9	a	54.52	a	965	ab
DP 12R224B2RF	1765	a-c	42.4	cd	4.8	de	1.18	cd	31.0	bc	85.0	b-e	54.47	a	961	ab
FM 1944GLB2	1734	b-d	41.2	d	5.0	b-d	1.22	a	30.9	bc	84.5	de	53.37	ab	927	bc
ST 6448GLB2	1700	cd	41.8	cd	4.9	cd	1.21	ab	30.1	c	84.4	e	54.20	a	921	bc
CT 13464B2F	1616	d	41.9	cd	4.5	f	1.22	a	32.5	a	85.6	a-c	54.55	a	882	c
Mean	1779		43.3		5.0		1.18		31.5		85.1		53.09		944	
P>F	0.0196		0.0002		<0.0001		<0.0001		0.0172		0.0018		0.0003		0.0484	
LSD (P=.05)	138.13		1.513		0.221		0.028		1.431		0.695		1.637		68.821	
STD DEV	179.83		1.49		0.27		0.04		1.07		0.61		1.58		93.56	
CV%	10.11		3.45		5.45		3.13		3.38		0.72		2.97		9.91	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 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, 2014¹
Texas A&M AgriLife Research & Extension Center-Hiler Farm
Weslaco, Texas¹
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ²	
PHY 499WRF	2818	a	42.6	a	4.6	b	1.17	cd	33.9	a	85.2	a	54.49	a	1536	a
DP 1359B2RF	2522	b	39.9	c	4.3	c-e	1.20	bc	33.4	ab	83.9	bc	54.51	a	1374	b
NG 1511B2RF	2501	bc	41.3	b	4.9	a	1.16	d	32.2	b-d	84.8	ab	53.71	b	1343	bc
CT 13464B2F	2454	b-d	39.1	c	4.1	f	1.24	a	33.3	a-c	85.2	a	54.63	a	1340	bc
PHY 333WRF	2447	b-d	39.6	c	4.2	d-f	1.21	ab	31.8	de	84.6	ab	54.60	a	1336	bc
ST 4946GLB2	2431	b-d	38.6	cd	4.4	cd	1.18	b-d	33.3	a-c	84.6	ab	54.48	a	1324	b-d
CG 3787B2RF	2341	b-e	41.6	ab	4.5	bc	1.20	bc	30.8	ef	84.8	ab	54.43	a	1274	b-d
ST 6448GLB2	2270	c-e	37.5	de	4.4	cd	1.24	a	30.4	e	83.3	c	54.15	ab	1230	cd
DP 12R224B2RF	2225	de	37.5	de	4.1	ef	1.19	bc	33.4	ef	84.3	a-c	54.43	a	1210	cd
FM 1944GLB2	2184	e	36.8	e	4.1	ef	1.24	a	32.1	cd	83.3	c	54.46	a	1190	d
Mean	2419		39.4		4.4		1.20		32.2		84.4		54.39		1316	
P>F	0.0005		<0.0001		<0.0001		<0.0001		<0.0001		0.0075		0.2728		0.001	
LSD (P=.05)	236.21		1.279		0.194		0.035		1.259		1.099		NS		135.3	
STD DEV	298.75		2.07		0.30		0.04		1.45		0.94		0.49		162.66	
CV%	12.35		5.24		6.88		2.97		4.51		1.12		0.90		12.36	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 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, 2014¹
Texas A&M AgriLife Research and Extension Center
Corpus Christi, Texas
Dr. Josh McGinty, 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) ²	
PHY 499WRF	1130	a	43.4	ab	4.6	b	1.09	cd	33.9	b	85.2	a	52.16	b	590	a
CG 3787B2RF	1124	a	44.2	a	4.6	ab	1.11	c	31.6	cd	85.1	a	52.75	ab	593	a
ST 4946GLB2	1119	a	41.0	d	4.5	b	1.08	d	33.4	b	84.4	a	52.40	b	586	a
PHY 333WRF	1108	ab	42.8	bc	4.2	cd	1.15	ab	32.7	bc	85.3	a	53.21	a	589	a
NG 1511B2RF	1056	a-c	43.8	ab	4.8	a	1.07	d	32.8	bc	84.5	a	51.21	c	541	bc
DP 1359B2RF	1042	bc	43.6	ab	4.3	c	1.14	b	33.8	b	84.6	a	53.20	a	554	ab
ST 6448GLB2	1018	cd	42.0	cd	4.6	b	1.16	ab	30.4	d	85.0	a	53.16	a	541	bc
FM 1944GLB2	963	de	39.8	e	4.2	c	1.14	b	31.1	d	84.1	a	53.25	a	513	b-d
DP 1219B2RF	941	e	41.6	d	4.3	cd	1.15	b	33.3	b	83.8	a	53.25	a	501	cd
CT 13464B2F	933	e	39.6	e	4.0	d	1.18	a	36.3	a	84.6	a	53.33	a	498	d
Mean	1043		42.2		4.4		1.13		32.9		84.7		52.79		551	
P>F	<0.0001		0.0001		<0.0001		<0.0001		<0.0001		0.1033		<0.0001		<0.0001	
LSD (P=.05)	76.12		1.02		0.224		0.027		1.35		NS		0.622		42.397	
STD DEV	87.50		1.70		0.29		0.04		1.80		0.88		0.76		44.65	
CV%	8.39		4.03		6.59		3.46		5.47		1.04		1.44		8.11	

¹ Indicates the location was irrigated with subsurface drip tape.

² 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. Nueces County RACE Trial, 2014
Cooperator: Darrell Lawhon
Jason Ott, County Extension Agent-Agriculture
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 333WRF	953	a	39.8	a	4.2	cd	1.13	ab	30.2	bc	84.6	a	54.27	a	517	a
PHY 499WRF	904	a	39.1	a	4.4	ab	1.07	c-e	31.8	ab	84.0	a	52.68	a-c	476	b
DP 1219B2RF	850	b	37.0	bc	4.1	cd	1.07	c-e	30.3	bc	81.8	a	52.00	bc	442	c
ST 4946GLB2	840	b	35.9	c	4.6	a	1.09	cd	31.6	b	84.5	a	53.56	ab	450	bc
DP 1359B2RF	817	bc	38.7	a	4.1	cd	1.09	cd	30.3	bc	82.5	a	53.37	ab	436	c
CT 13464B2F	807	bc	36.3	c	4.1	d	1.15	a	33.5	a	84.0	a	54.52	a	440	c
NG 1511B2RF	789	cd	38.6	ab	4.6	a	1.05	e	30.8	b	83.0	a	50.77	c	401	d
CG 3787B2RF	753	de	38.8	a	4.5	ab	1.06	de	28.7	cd	82.4	a	51.60	bc	388	de
ST 6448GLB2	703	ef	36.5	c	4.4	ab	1.10	bc	28.3	d	82.8	a	53.37	ab	375	de
FM 1944GLB2	683	f	35.7	c	4.3	bc	1.10	bc	28.3	d	82.0	a	52.95	ab	361	e
Mean	810		37.6		4.3		1.09		30.4		83.2		52.91		429	
P>F	<0.0001		<0.0001		<0.0001		0.0002		0.0001		0.0619		0.0237		<0.0001	
LSD (P=.05)	50.18		1.599		0.209		0.038		1.85		NS		2.049		31.52	
STD DEV	84.45		1.65		0.22		0.04		1.86		1.41		1.51		48.69	
CV%	10.43		4.38		5.09		3.67		6.12		1.70		2.86		11.36	

¹Lint values were calculated using the 2014 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. Nueces County RACE Trial, 2014
Cooperator: Jim Massey, IV
Jason Ott, County Extension Agent-Agriculture
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	1117	a	44.2	a	4.6	b	1.04	e	32.1	bc	83.7	ab	51.78	c	579	a
PHY 333WRF	1100	ab	43.0	ab	4.2	d	1.11	ab	30.4	d-f	84.2	a	53.98	ab	594	a
ST 4946GLB2	1059	b	40.1	cd	4.5	bc	1.09	b-d	33.3	ab	83.6	ab	53.62	ab	568	a
DP 1359B2RF	995	c	43.2	ab	4.6	b	1.07	c-e	31.4	c-e	82.4	bc	52.80	a-c	525	b
DP 1219B2RF	990	c	41.6	bc	4.4	cd	1.07	c-e	31.8	c	81.9	c	52.83	a-c	523	b
NG 1511B2RF	976	c	43.5	a	4.9	a	1.06	de	31.6	cd	83.4	ab	51.68	c	504	b-d
ST 6448GLB2	959	c	41.5	bc	4.6	b	1.09	bc	28.6	g	82.4	bc	53.00	a-c	508	bc
CG 3787B2RF	949	c	43.2	ab	4.6	b	1.07	c-e	30.3	ef	83.6	ab	52.45	bc	498	b-d
CT 13464B2F	897	d	39.6	d	4.2	d	1.13	a	33.7	a	84.2	a	54.22	a	486	cd
FM 1944GLB2	885	d	38.9	d	4.3	cd	1.11	ab	29.4	fg	82.4	bc	53.33	ab	472	d
Mean	993		41.9		4.5		1.08		31.3		83.2		52.97		526	
P>F	<0.0001		<0.0001		<0.0001		0.0011		<0.0001		0.027		0.0326		<0.0001	
LSD (P=.05)	50.72		1.795		0.192		0.033		1.311		1.442		1.537		32.307	
STD DEV	79.80		1.97		0.22		0.03		1.68		1.06		1.11		42.74	
CV%	8.04		4.69		4.95		2.68		5.38		1.27		2.10		8.13	

¹Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 12. San Patricio County RACE Trial, 2014
Cooperator: Reider Farms
Bobby McCool, County Extension Agent-Agriculture
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	1085	a	43.1	a	4.1	b	1.09	e	33.0	b-d	84.8	ab	53.51	a	581	a
PHY 333WRF	934	b	42.2	b	3.6	ef	1.16	ab	31.5	c-e	84.3	a-c	54.32	a	507	b
NG 1511B2RF	905	b	42.8	ab	4.4	a	1.11	de	33.1	a-d	83.9	bc	54.10	a	490	b
ST 4946GLB2	886	bc	40.6	cd	3.9	cd	1.14	b-d	34.0	ab	85.9	a	54.37	a	482	b
DP 1219B2RF	885	bc	41.1	c	3.8	de	1.15	a-c	32.4	b-e	83.5	bc	54.38	a	482	b
CG 3787B2RF	867	bc	43.3	a	4.5	a	1.12	c-e	31.0	e	83.8	bc	54.07	a	469	bc
DP 1359B2RF	862	b-d	42.1	b	4.0	bc	1.14	b-d	33.4	a-c	83.2	c	54.45	a	469	bc
CT 13464B2F	847	b-d	39.0	e	3.6	f	1.19	a	35.0	a	84.9	ab	54.50	a	462	bc
ST 6448GLB2	781	cd	39.0	d	4.0	bc	1.16	a-c	27.9	f	82.8	c	54.00	a	422	c
FM 1944GLB2	757	d	37.9	f	3.8	cd	1.17	ab	31.2	de	84.1	a-c	54.40	a	412	c
Mean	1170		41.4		4.8		1.16		32.5		84.5		52.60		615	
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	

¹Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 13. DeWitt County RACE Trial, 2014
Cooperator: Tracy Metting
Anthony Netardus, County Extension Agent-Agriculture
Dr. Josh McGinty, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	736	a	37.1	ab	3.5	ab	1.07	b	30.0	a	81.0	a	50.80	a	376	a
PHY 333WRF	680	ab	36.3	b	2.9	e	1.09	ab	25.2	c	79.4	a	45.30	d	308	b-d
DP 1359B2RF	669	a-c	36.2	bc	3.4	bc	1.10	ab	28.5	ab	79.7	a	50.40	a	337	ab
CG 3787B2RF	631	b-d	37.8	a	3.5	ab	1.09	ab	29.3	a	80.2	a	51.63	a	326	a-c
ST 6448GLB2	575	c-e	36.2	bc	3.3	c	1.13	a	26.6	bc	79.5	a	49.28	a-c	284	b-e
NG 1511B2RF	574	c-e	38.0	a	3.6	a	1.05	b	29.5	a	80.9	a	51.37	a	296	b-e
DP 1219B2RF	554	de	35.1	cd	3.2	cd	1.13	a	29.5	a	79.3	a	49.55	a-c	275	b-e
FM 1944GLB2	528	e	32.3	f	2.9	e	1.14	a	27.1	bc	79.3	a	47.10	cd	249	de
ST 4946GLB2	526	e	33.8	e	3.1	de	1.09	ab	29.9	a	82.1	a	49.95	ab	263	c-e
CT 13464B2F	505	e	34.0	de	2.9	e	1.14	a	29.7	a	80.1	a	47.35	b-d	239	e
Mean	598		35.7		3.2		1.10		28.5		80.1		49.27		295	
P>F	0.0017		<0.0001		<0.0001		0.0353		0.0007		0.1145		0.0023		0.006	
LSD (P=.05)	102.05		1.165		0.178		0.054		2.004		NS		2.802		63.314	
STD DEV	93.53		2.13		0.28		0.04		1.85		1.29		2.38		52.86	
CV%	15.65		5.96		8.53		3.43		6.50		1.61		4.84		17.91	

¹Lint values were calculated using the 2014 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. Jackson County RACE Trial, 2014
Cooperator: Sappington Farms
Michael Hiller, 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) ¹
PHY 333WRF	1902	42.9	4.1	1.17	30.5	82.7	54.20	1031
DG 2285B2F	1851	42.7	4.5	1.13	31.2	83.2	54.30	1005
PHY 499WRF	1797	43.9	4.6	1.13	33.8	85.0	54.45	979
ST 4946GLB2	1752	40.7	4.4	1.11	31.8	83.9	54.30	951
NG 1511B2RF	1698	44.1	5.0	1.06	34.5	83.6	52.65	894
CG 3787B2RF	1582	42.2	4.5	1.12	30.1	82.9	54.00	854
DPX 12R249B2F	1521	41.6	4.5	1.10	30.2	81.9	53.20	809
ST 6448GLB2	1481	40.8	4.6	1.15	28.8	82.6	53.80	797
FM 1830GLT	1458	42.8	4.7	1.18	33.4	82.8	54.30	792
DP1252B2F	1405	42.4	4.8	1.12	31.4	83.8	54.30	763
Mean²	1645	42.4	4.6	1.13	31.6	83.2	53.95	888

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

² All replications of this trial location were combined at harvest into one sample per variety, as a result no statistical analysis was able to be ran on the data at this location.

Table 15. Matagorda County RACE Trial, 2014
Cooperator: Hansen Farms
Brent Batchelor, 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) ¹	
ST 4946GLB2	1845	a	41.9	cd	4.6	bc	1.14	bcd	33.5	ab	84.1	ab	54.38	a	1003	a
PHY 333WRF	1825	a	43.8	b	4.1	e	1.16	bc	32.3	bcd	83.4	a-d	54.50	a	995	a
DP 1252B2F	1792	ab	45.5	a	4.9	a	1.12	cde	30.9	de	83.5	a-d	54.17	a	971	ab
DPX 12R249B2F	1773	abc	43.1	bc	4.6	bc	1.12	cde	32.6	bc	83.1	bcd	54.23	a	961	abc
PHY 499WRF	1769	abc	43.7	b	4.6	bc	1.11	de	34.3	a	84.2	a	54.10	a	957	abc
NG 1511B2RF	1763	abc	43.1	bc	4.9	a	1.10	e	32.8	bc	83.7	abc	53.83	a	949	a-d
PHY 375WRF	1711	bcd	43.1	bc	4.3	de	1.12	cde	29.9	e	82.9	cd	53.82	a	921	b-e
DG 2285B2F	1692	bcd	41.4	d	4.4	cd	1.14	bcd	31.1	de	83.6	abc	54.32	a	919	b-e
CG 3787B2RF	1676	cd	43.7	b	4.6	b	1.14	bcd	31.6	cd	83.8	abc	54.15	a	907	cde
ST 6448GLB2	1655	d	41.8	cd	4.5	bc	1.16	b	29.9	e	82.5	d	54.02	a	894	de
DP 1359B2F	1635	d	43.6	b	4.6	bc	1.14	b-e	33.0	ab	82.8	cd	54.27	a	888	e
FM 1830GLT	1489	e	42.5	bc	4.7	b	1.22	a	33.6	ab	84.3	a	54.43	a	811	f
Mean	1719		43.1		4.6		1.14		32.1		83.5		54.18		931	
P>(F)	0.0001		0.0005		0.0001		0.0003		0.0001		0.0351		0.1257		0.0001	
LSD (P=.05)	102.64		1.429		0.171		0.0391		1.369		1.087		0.4859		55.35	
STD DEV	60.61		0.84		0.10		0.02		0.81		0.64		0.29		32.68	
CV %	3.53		1.96		2.21		2.03		2.52		0.77		0.53		3.51	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.
AT =AllTex, CG= Croplan Genetics, D(X)P=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 16. Wharton County RACE Trial, 2014
Cooperator: Kresta Farms
Corrie Bowen, 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) ¹	
PHY 333WRF	1557	a	42.5	a	3.8	d	1.19	ab	30.2	de	83.0	a	54.18	a	844	a
ST 4946GLB2	1493	ab	39.9	a	4.1	bcd	1.15	cd	31.7	bc	83.7	a	54.50	a	814	ab
PHY 499WRF	1481	ab	41.2	a	4.1	bcd	1.11	d	32.8	ab	84.4	a	54.23	a	803	abc
CG 3787B2RF	1386	bc	40.4	a	3.8	d	1.16	bc	30.6	cde	84.1	a	54.37	a	753	bcd
DG 2285B2F	1376	bc	40.3	a	3.8	d	1.15	cd	30.1	def	83.2	a	54.15	a	745	cde
NG 1511B2RF	1345	c	41.4	a	4.4	ab	1.13	cd	31.4	cd	83.7	a	54.35	a	731	de
DPX 12R249B2F	1267	cd	40.6	a	4.3	abc	1.13	cd	30.6	cde	82.3	a	54.08	a	685	ef
DP1252B2F	1196	de	39.2	a	4.5	a	1.15	cd	29.3	ef	82.4	a	53.72	a	642	fg
FM 1830GLT	1115	e	41.2	a	4.0	cd	1.21	a	33.0	a	83.8	a	54.57	a	609	g
ST 6448GLB2	1087	e	38.7	a	4.0	cd	1.16	bc	28.8	f	81.9	a	53.98	a	587	g
P>(F)	0.0001		0.3931		0.0026		0.0026		0.0001		0.1417		0.0532		0.0001	
LSD (P=.05)	123.4		3.091		0.338		0.0397		1.326		1.866		0.483		63.04	
STD DEV	71.94		1.802		0.197		0.0232		0.773		1.088		0.2815		36.75	
CV %	5.41		4.44		4.84		2		2.51		1.31		0.52		5.1	
Variety	Yield		Turnout %		Micronaire		Length		Strength		Uniformity		Loan Value		Lint Value	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 17. Fort Bend County RACE Trial, 2014¹
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) ²	
PHY 499WRF	1515	a	44.5	ab	4.6	a	1.13	c	34.8	ab	85.0	a	54.43	a	825	a
NG 1511B2RF	1508	a	44.6	ab	4.5	a	1.13	c	32.2	cd	84.0	a	54.35	a	820	a
DPX 12R249B2F	1507	a	42.6	cd	4.4	a	1.15	bc	32.4	cd	83.2	a	54.43	a	820	a
PHY 333WRF	1505	a	43.3	bc	4.1	a	1.17	abc	32.4	cd	83.7	a	54.50	a	820	a
DG 2285B2F	1476	ab	42.3	cd	4.3	a	1.15	bc	31.2	cd	83.6	a	54.33	a	802	ab
CG 3787B2RF	1422	bc	42.4	cd	4.5	a	1.14	c	32.1	cd	83.7	a	54.40	a	774	bc
ST 6448GLB2	1406	bc	41.7	d	4.2	a	1.19	ab	30.9	d	84.2	a	54.43	a	765	bc
DP 1252B2F	1388	cd	44.8	a	4.9	a	1.15	bc	32.5	bc	85.2	a	54.45	a	756	cd
ST 4946GLB2	1377	cd	42.1	cd	4.0	a	1.13	c	33.4	abc	83.1	a	54.45	a	750	cd
FM 1830GLT	1320	d	42.9	cd	4.3	a	1.20	a	35.3	a	83.7	a	54.48	a	719	d
Mean	1442		43.1		4.4		1.15		32.7		83.9		54.42		785	
P>(F)	0.0026		0.0053		0.1805		0.043		0.0319		0.053		0.9824		0.0029	
LSD (P=.05)	78.76		1.417		0.5824		0.0465		2.336		1.273		0.331		43.35	
STD DEV	34.82		0.63		0.26		0.02		1.03		0.56		0.15		19.16	
CV %	2.41		1.45		5.89		1.78		3.16		0.67		0.27		2.44	

¹ Indicates the location was irrigated.

² Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 18. Colorado County RACE Trial, 2014¹
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) ²	
ST 4946GLB2	1798	a	39.4	d	4.8	a	1.19	abc	33.5	ab	84.9	a	53.57	a	962	ab
PHY 333WRF	1777	ab	40.8	bc	4.2	d	1.21	ab	31.3	c-f	84.0	a	54.52	a	968	a
DP1252B2F	1732	ab	43.2	a	4.6	abc	1.15	e	31.1	def	84.5	a	54.28	a	940	abc
CL 3787B2RF	1675	bc	40.9	bc	4.4	cd	1.18	bcd	31.5	cde	84.2	a	54.48	a	913	a-d
NG 1511B2RF	1665	cd	40.6	c	4.6	abc	1.15	de	32.5	bc	83.6	a	54.37	a	905	b-e
DG 2285B2F	1651	cd	38.8	d	4.5	bcd	1.18	b-e	30.6	ef	83.9	a	54.28	a	896	cde
PHY 499WRF	1644	cd	41.8	b	4.7	abc	1.16	cde	34.4	a	84.1	a	54.40	a	894	cde
DPX 12R249B2F	1639	cd	41.0	bc	4.7	ab	1.16	cde	32.8	abc	83.5	a	54.37	a	891	cde
ST 6448GLB2	1576	d	39.3	d	4.6	abc	1.22	a	29.7	f	83.0	a	54.00	a	851	e
FM 1830GLT	1573	d	40.7	bc	4.6	abc	1.20	ab	33.7	ab	84.0	a	54.43	a	856	de
Mean	1673		40.7		4.6		1.18		32.1		84.0		54.27		908	
P>(F)	0.003		0.0001		0.0185		0.001		0.0001		0.1002		0.5127		0.0075	
LSD (P=.05)	105.41		1.116		0.29		0.0309		1.622		1.089		0.8751		60.38	
STD DEV	61.45		0.651		0.169		0.018		0.946		0.635		0.5101		35.2	
CV %	3.67		1.6		3.71		1.52		2.94		0.76		0.94		3.88	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 19. Burleson County RACE Trial, 2014¹
Texas A&M AgriLife Research and Extension Center, Snook, Texas
John Grange, County Extension Agent
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist
Vince Saladino, Research Assistant

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) ²	
ST 4946GLB2	2239	a	39.7	b-e	4.4	ab	1.17	de	32.0	bcd	84.8	ab	54.45	abc	1219	a
PHY 499WRF	2234	a	42.2	a	4.2	b-e	1.20	cd	33.2	a	84.4	abc	54.57	a	1219	a
DPX 12R224B2F	2147	ab	38.4	e	3.9	e	1.23	ab	31.0	def	85.1	a	54.53	ab	1171	ab
NG 1511B2RF	2114	ab	41.9	a	4.7	a	1.18	d	32.6	abc	84.8	ab	54.45	abc	1151	abc
DG 2285B2F	2104	abc	39.5	cde	4.4	bc	1.22	bc	30.1	f	85.1	a	54.23	d	1141	a-d
PHY 333WRF	2085	a-d	41.1	ab	3.9	e	1.22	bc	31.6	cde	84.1	a-d	54.55	a	1137	a-d
DP 1219B2F	1940	b-e	39.1	de	4.1	cde	1.19	d	32.8	ab	83.6	cd	54.50	abc	1057	b-e
DPX 12R249B2F	1901	b-e	40.0	bcd	4.3	bcd	1.17	de	30.9	ef	83.1	d	54.30	cd	1033	b-e
PHY 375WRF	1887	b-e	39.6	cde	4.0	de	1.17	de	30.3	f	83.8	bcd	54.33	bcd	1026	cde
DP 1044B2F	1848	cde	39.7	b-e	4.2	b-e	1.15	e	30.8	ef	83.5	cd	54.30	cd	1003	de
ST 6448GLB2	1838	de	38.3	e	4.1	b-e	1.23	ab	30.8	ef	84.2	a-d	54.33	bcd	998	de
FM 1830GLT	1690	e	40.9	abc	4.0	de	1.26	a	31.4	de	84.3	abc	54.52	ab	921	e
Mean	2002		40.0		4.2		1.20		31.5		84.2		54.42		1090	
P>(F)	0.0037		0.0002		0.0014		0.0001		0.0001		0.0182		0.0232		0.0033	
LSD (P=.05)	262.64		1.526		0.313		0.029		1.051		1.119		0.2023		143.1	
STD DEV	155.1		0.901		0.185		0.0171		0.62		0.661		0.1195		84.5	
CV %	7.75		2.25		4.4		1.43		1.97		0.78		0.22		7.75	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 20. Williamson County RACE Trial, 2014
Cooperator: Adam and Ricky Krueger
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) ¹	
NG 1511B2RF	1481	a	42.8	a	5.3	a	1.08	a	32.0	b	82.3	bcd	50.45	a	747	a
PHY 333WRF	1425	ab	45.4	a	5.4	a	1.09	a	30.6	bcd	82.8	b	49.57	a	706	a
PHY 499WRF	1420	ab	42.7	a	5.1	a	1.09	a	31.9	b	82.9	b	50.67	a	718	a
DPX 12R249B2F	1313	abc	41.8	a	5.0	a	1.11	a	29.2	d	81.8	cd	51.40	a	675	a
ST 6448GLB2	1310	abc	40.6	a	5.1	a	1.12	a	29.6	cd	82.4	bcd	51.08	a	669	a
DP 1219B2F	1280	bc	42.8	a	4.8	a	1.10	a	31.4	bc	81.4	d	52.72	a	675	a
ST 4946GLB2	1247	bc	41.8	a	4.9	a	1.14	a	32.4	b	82.5	bc	52.33	a	649	a
CT 13464B2F	1220	c	39.6	a	4.9	a	1.16	a	34.5	a	84.2	a	=53.45	a	651	a
FM 1944GLB2	840	e	31.8	d	4.7	cd	1.09	b	28.7	c	81.7	bc	53.02	ab	445	c
Mean	1317		42.3		5.1		1.11		31.6		82.6		51.32		677	
P>(F)	0.0459		0.0533		0.6522		0.4548		0.0018		0.0027		0.6436		0.0965	
LSD (P=.05)	197.3		3.07		0.63		0.0739		2.059		1.043		4.2781		89.32	
STD DEV	114.00		1.77		0.36		0.04		1.19		0.60		2.47		51.60	
CV %	8.66		4.19		7.18		3.84		3.77		0.73		4.79		7.63	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, CT= Dyna-Gro, DP(X)=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 21. Milam Co RACE Trial, 2014
Cooperator: Jay Beckhusen
Jon Gershback, 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) ¹	
PHY 333WRF	1224	a	39.6	a	3.6	a	1.17	a	30.3	bc	82.3	a	53.45	a	654	a
PHY 499WRF	1101	a	38.4	a	3.7	a	1.14	b	31.6	ab	82.7	a	54.30	a	598	a
DPX 12R249B2F	1065	a	37.9	a	3.5	a	1.15	b	30.4	bc	81.1	a	52.62	a	560	a
DP 1219B2F	1033	a	37.2	a	3.5	a	1.15	b	31.1	bc	81.7	a	52.88	a	546	a
ST 6448GLB2	1025	a	38.7	a	3.5	a	1.15	b	29.2	c	81.0	a	52.22	a	537	a
NG 1511B2RF	1015	a	39.6	a	4.0	a	1.12	c	30.9	bc	82.2	a	54.18	a	550	a
ST 4946GLB2	992	a	38.2	a	3.4	a	1.18	a	32.5	ab	83.3	a	52.67	a	523	a
CT 13464B2F	941	a	36.2	a	3.3	a	1.17	a	33.4	a	82.4	a	52.55	a	495	a
FM 1830GLT	891	a	38.0	a	3.8	a	1.18	a	31.9	ab	82.4	a	54.38	a	484	a
Mean	1032		38.2		3.6		1.16		31.3		82.1		53.25		550	
P>(F)	0.1478		0.1069		0.0585		0.0001		0.0418		0.3127		0.2368		0.1894	
LSD (P=.05)	212.63		2.272		0.393		0.0176		2.297		1.902		2.0798		121.42	
STD DEV	122.84		1.31		0.23		0.01		1.33		1.10		1.20		70.14	
CV %	11.90		3.43		6.34		0.88		4.24		1.34		2.26		12.76	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT = AllTex, CG = Croplan Genetics, CT = Dyna-Gro, DP(X) = DeltaPine, DG = DynaGrow, FM = FiberMax, NG = NexGen, PHY = Phytogen, ST = Stoneville.

Table 22. Navarro County RACE Trial, 2014
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) ¹	
ST 6448GLB2	849	a	42.8	a	4.0	a	1.09	a	30.2	a	82.0	a	52.93	a	449	a
CT 13464B2F	835	a	40.7	a	3.9	a	1.09	a	28.9	a	81.6	a	52.55	a	440	a
ST 4946GLB2	816	a	40.0	a	3.7	a	1.09	a	29.7	a	81.7	a	52.65	a	431	a
DP 1219B2F	814	a	42.6	a	3.9	a	1.12	a	30.4	a	82.4	a	53.98	a	439	a
NG 1511B2RF	806	a	40.9	a	3.6	a	1.11	a	30.0	a	82.4	a	53.58	a	432	a
PHY 333WRF	799	a	42.2	a	3.9	a	1.07	a	30.1	a	81.7	a	52.03	a	415	a
PHY 499WRF	771	a	40.5	a	3.7	a	1.07	a	27.1	a	80.9	a	51.28	a	396	a
DPX 12R249B2F	754	a	39.2	a	3.8	a	1.13	a	32.2	a	83.4	a	54.00	a	410	a
FM 1830GLT	716	a	41.6	a	3.9	a	1.11	a	29.2	a	81.9	a	53.78	a	385	a
Mean	789		41.0		3.8		1.10		29.7		82.0		52.98		418	
P>F	0.9433		0.1024		0.5993		0.4963		0.2774		0.198		0.4456		0.9592	
LSD (P=.05)	228.77		2.494		0.486		0.065		3.526		1.626		2.8071		125.91	
STD DEV	128.58		1.40		0.28		0.04		2.00		0.92		1.59		70.77	
CV%	16.16		3.41		7.24		3.36		6.72		1.12		3.00		16.78	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AT =AllTex, CG= Croplan Genetics, CT= Dyna-Gro, DP(X)=DeltaPine, DG= DynaGrow, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 23. Medina County RACE Trial, 2014¹
Cooperator: BW Farms
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) ²	
PHY 499WRF	2605	a	44.8	a	4.5	ab	1.16	d	33.0	a	84.5	a	54.47	a	1416	a
PHY 333WRF	2587	a	44.2	a	3.9	de	1.20	bc	30.3	c	84.7	a	54.40	a	1403	a
ST 4946GLB2	2537	ab	41.5	bc	4.4	abc	1.18	cd	33.3	a	84.5	a	54.48	a	1365	ab
DG 2285B2F	2499	abc	42.6	b	4.4	abc	1.19	cd	30.1	c	84.4	a	54.18	a	1343	abc
NG 1511B2RF	2475	abc	44.4	a	4.6	a	1.16	d	32.1	ab	84.1	ab	54.37	a	1342	abc
DPX 12R249B2F	2438	bc	44.3	a	4.3	bc	1.18	cd	31.9	ab	82.6	c	54.30	a	1321	bc
DP 1359B2F	2418	bc	44.4	a	4.2	cd	1.20	bc	33.2	a	83.1	bc	54.50	a	1315	bc
DPX 12R224B2F	2373	cd	40.7	cd	3.8	e	1.18	cd	31.1	bc	83.8	ab	54.43	a	1272	cd
FM 1830GLT	2240	d	43.9	a	4.4	abc	1.23	a	32.3	ab	83.9	ab	54.43	a	1215	d
Mean	2427		43.1		4.2		1.19		31.7		83.8		54.38		1311	
P>F	0.0001		0.0001		0.0003		0.0012		0.0004		0.005		0.1687		0.0001	
LSD (P=.05)	140.72		1.34		0.322		0.0297		1.491		1.163		0.2598		76.37	
STD DEV	82.03		0.78		0.19		0.02		0.87		0.68		0.15		44.52	
CV%	3.38		1.81		4.43		1.45		2.74		0.81		0.28		3.40	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 24. Hidalgo County Monster Cotton Variety Trial, 2014¹
Texas A&M AgriLife Research and Extension Center, Weslaco, Texas
Dr. Josh McGinty, 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) ²	
PHY 333 WRF	2834	a	40.40	e-k	4.0	g-i	1.22	c-h	31.7	b-h	84.4	a-d	54.60	ab	1547	a
PX 499-36 W3RF	2807	ab	42.85	a-c	4.5	a-e	1.16	k	32.1	a-h	84.6	a-d	54.44	ab	1528	ab
PX 5540-63 WRF	2755	ab	43.33	ab	3.7	i	1.19	e-k	32.4	a-h	84.6	a-d	54.63	a	1505	ab
DPX 12R249 B2RF	2697	a-c	41.18	b-i	4.4	a-g	1.19	d-k	31.9	a-h	83.4	b-d	54.38	ab	1466	a-c
PX 3122b-51 WRF	2626	a-c	39.98	e-k	4.1	d-i	1.24	c-e	32.3	a-h	85.9	a	54.75	a	1438	a-c
PHY 499 WRF	2613	a-c	42.08	a-f	4.7	a	1.17	jk	33.1	a-e	85.5	ab	54.53	ab	1425	a-c
PHY 495 W3RF	2599	a-c	41.93	a-g	4.4	a-g	1.16	k	34.1	a	85.3	a-c	54.56	ab	1418	a-c
DP 1359 B2RF	2582	a-c	41.93	a-g	4.3	a-h	1.21	c-j	33.6	a-c	83.8	a-d	54.44	ab	1406	a-c
DP 1219 B2RF	2566	a-c	39.88	f-l	4.0	f-i	1.21	d-j	33.5	a-d	84.0	a-d	54.56	ab	1400	a-c
PX 4444-13 WRF	2549	a-c	42.17	a-e	3.7	i	1.31	ab	31.2	d-h	84.5	a-d	54.06	b	1380	a-c
ATX 12WSTR-755 B2RF	2533	a-c	38.75	j-m	4.3	a-h	1.22	c-i	33.5	a-d	84.7	a-d	54.55	ab	1382	a-c
ST 4946 GLB2	2487	a-c	39.00	i-n	4.5	a-f	1.19	f-k	34.0	ab	84.8	a-d	54.51	ab	1356	a-c
ATX CT13442 B2RF	2457	a-c	40.2	e-k	4.6	a-d	1.19	g-k	32.3	a-h	85.1	a-d	54.51	ab	1339	a-c
ATX 11-1551 B2RF	2451	a-c	39.03	i-m	4.1	e-i	1.26	bc	32.2	a-h	85.0	a-d	54.65	a	1340	a-c
NG 1511 B2RF	2440	a-c	41.93	a-g	4.8	a	1.17	jk	32.0	a-h	84.7	a-d	54.43	ab	1328	a-c
DP 1454 NR B2RF	2330	a-c	42.43	a-d	4.7	ab	1.17	jk	30.7	f-h	84.2	a-d	54.26	ab	1265	a-c
ATX CT13454 B2RF	2323	a-c	37.68	l-n	4.1	e-i	1.32	a	33.4	a-d	85.9	a	54.71	a	1271	a-c
ATX 12WSTR-557 B2RF	2315	a-c	39.85	g-l	4.4	a-h	1.24	cd	33.0	a-f	84.8	a-d	54.60	ab	1264	a-c
ATX 12WSTR-563 B2RF	2305	a-c	40.45	d-k	4.4	a-h	1.20	d-k	31.0	e-h	83.2	cd	54.35	ab	1253	a-c
FM 1944 GLB2	2281	a-c	37.08	mn	4.2	b-i	1.22	c-h	31.8	b-h	83.0	d	54.43	ab	1241	a-c

FM 1830 GLT	2226	a-c	41.56	b-h	4.7	ab	1.24	c-f	33.4	a-d	84.4	a-d	54.45	ab	1212	a-c
PHY 222 WRF	2193	a-c	38.60	j-n	4.6	a-c	1.18	g-k	31.6	c-h	85.7	a	54.51	ab	1196	a-c
DP 1044 B2RF	2121	a-c	38.73	j-n	4.3	a-h	1.18	h-k	31.8	b-h	83.5	b-d	54.44	ab	1155	a-c
ST 6448 GLB2	2115	a-c	38.38	k-n	4.6	ab	1.24	c-e	30.3	h	83.5	b-d	54.20	ab	1146	a-c
FM 2334 GLT	2110	a-c	40.70	c-j	4.6	ab	1.22	c-h	32.4	a-h	84.4	a-d	54.45	ab	1149	a-c
NG 5315 B2RF	2084	bc	41.15	b-i	4.6	a-e	1.18	g-k	30.5	gh	84.7	a-d	54.26	ab	1130	bc
FM 8270 GLB2	1972	c	36.53	n	4.1	c-i	1.23	c-g	33.8	a-c	85.1	a-d	54.64	a	1077	c
Mean	2416		40.4		4.3		1.21		32.3		84.5		54.48		1317	
P>F	0.0003		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.0013		0.0002	
HSD (P=.05)	747.2		2.02		0.503		0.05		2.337		2.127		0.562		407.64	
STD DEV	318.48		1.98		0.33		0.04		1.30		0.98		0.23		174.24	
CV%	13.18		4.89		7.67		3.35		4.02		1.16		0.43		13.23	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 25. Corpus Christi Center Monster Cotton Variety Trial, 2014
Texas A&M AgriLife Research and Extension Center, Corpus Christi, Texas
Dr. Josh McGinty, 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) ¹	
PHY 499 WRF	1166	a	44.32	b-	4.7	a-d	1.0	i-k	33.2	a-e	85.0	a-	52.99	a-d	618	ab
PX 3122b-51 WRF	1151	ab	43.35	c-f	4.4	a-f	1.1	a-g	33.3	a-e	85.3	a-c	54.49	a	627	a
ST 4946 GLB2	1144	ab	41.6	g-i	4.7	a-d	1.1	d-j	33.3	a-e	84.7	a-	53.64	a-d	613	a-c
PHY 333 WRF	1126	a-c	43.95	b-	4.3	c-g	1.1	b-j	32.3	b-f	84.2	a-	54.26	ab	611	a-c
PX 499-36 W3RF	1089	a-d	45.12	a-	4.4	b-f	1.0	k	33.4	a-e	84.0	b-	50.59	e	552	a-f
PHY 495 W3RF	1086	a-d	44.3	b-	4.5	a-f	1.0	jk	32.2	b-f	84.6	a-	52.11	c-e	566	a-e
PX 5540-63 WRF	1070	a-e	44.65	a-	4.4	a-f	1.1	e-j	32.1	b-f	85.0	a-	54.08	a-c	579	a-d
NG 1511 B2RF	1065	a-e	43.97	b-	5.0	a	1.0	h-k	32.9	a-f	83.5	b-	51.70	de	550	a-f
ATX CT13442 B2RF	1035	a-f	41.9	f-i	4.2	c-g	1.1	d-j	32.3	a-f	84.8	a-	54.10	a-c	560	a-f
DP 1454 NR B2RF	1026	a-f	44.65	a-	4.7	a-c	1.0	h-k	32.0	c-f	83.5	b-	53.11	a-d	545	a-f
DP 1359 B2RF	1015	a-f	42.9	e-	4.4	a-f	1.1	a-i	32.5	a-f	83.5	b-	54.03	a-c	549	a-f
ATX 12WSTR-755	1002	a-f	40.92	ij	4.3	c-f	1.1	a-i	34.1	a-d	84.9	a-	54.34	ab	544	a-f
PX 4444-13 WRF	1000	a-f	44.67	a-	3.7	g	1.1	a-c	33.3	a-e	85.0	a-	54.13	a-c	541	a-f
ATX 11-1551 B2RF	973	a-f	40.82	ij	4.0	fg	1.1	a-d	35.0	a	85.6	ab	54.69	a	532	a-f
ATX CT14515 B2RF	969	a-f	45.1	ab	4.6	a-e	1.1	d-j	31.7	d-f	83.2	c-e	54.09	a-c	524	a-f
DPX 12R249 B2RF	967	a-f	43.22	c-	4.5	a-f	1.1	e-j	32.8	a-f	83.9	b-	53.80	a-c	520	a-f
FM 1944 GLB2	961	b-f	39.25	jk	4.3	c-f	1.1	a-i	30.8	ef	83.1	c-e	54.24	ab	521	a-f
PHY 339 WRF	957	b-f	43.12	d-	4.5	a-e	1.1	c-j	32.2	b-f	84.1	a-	54.23	ab	519	a-f
NG 5315 B2RF	947	b-f	45.35	ab	4.6	a-e	1.1	d-j	30.8	ef	84.8	a-	53.90	a-c	510	b-f
DP 1219 B2RF	934	c-f	41.62	f-i	4.4	a-f	1.1	d-j	31.7	d-f	82.7	e	53.69	a-d	502	c-f
ST 6448 GLB2	934	c-f	42.77	e-	4.6	a-e	1.1	ab	31.2	ef	84.5	a-	54.39	a	508	b-f
ATX CT13464 B2RF	931	c-f	40.32	i-k	4.2	d-g	1.1	a-f	34.5	a-c	85.0	a-	54.55	a	508	b-f

DP 1252 B2RF	926	c-f	46.1	a	4.9	ab	1.0	g-k	31.1	ef	84.1	a-	52.34	b-e	485	d-f
ATX CT13454 B2RF	923	c-f	39.02	k	4.2	c-g	1.1	a	34.8	ab	86.3	a	54.65	a	504	c-f
DPX 12R224 B2RF	910	d-f	40.75	i-k	4.3	c-f	1.1	d-j	31.3	ef	84.7	a-	54.00	a-c	491	d-f
ATX 12WSTR-563	907	d-f	41.67	f-i	4.4	b-f	1.1	a-h	30.4	f	83.9	b-	54.23	ab	492	d-f
PHY 222 WRF	897	d-f	41.45	hi	4.9	ab	1.0	f-k	32.5	a-f	85.0	a-	52.99	a-d	476	d-f
ATX 12WSTR-662	874	ef	41.7	f-i	4.4	b-f	1.1	ab	34.6	a-c	84.9	a-	54.55	a	477	d-f
FM 8270 GLB2	874	ef	39.05	k	4.1	e-g	1.1	a-e	32.8	a-f	84.9	a-	54.55	a	477	d-f
FM 2334 GLT	850	f	44.87	a-	4.5	a-f	1.1	a-f	32.8	a-f	84.3	a-	54.40	a	463	ef
DP 1044 B2RF	838	f	40.97	ij	4.1	e-g	1.1	e-k	31.6	d-f	82.9	de	53.73	a-d	451	f
FM 1830 GLT	831	f	45.12	ab	4.6	a-e	1.1	a-h	32.8	a-f	84.2	a-	54.21	ab	451	f
Mean	990		42.8		4.4		1.12		32.6		84.4		53.77		527	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.1808		<0.0001	
HSD (P=.05)	103.04		1.74		0.561		0.065		2.71		2.21		2.04		113.3	
STD DEV	112.64		2.07		0.33		0.04		1.45		1.07		1.13		59.17	
CV%	11.35		4.83		7.34		3.85		4.45		1.26		2.11		11.23	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 26. Matagorda County Monster Cotton Variety Trial, 2014
Cooperator: Hansen Farms
Brent Batechelor, County Extension Agent- Agriculture and Natural Resources
Dr. Josh McGinty, Associate 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) ¹	
PX 3122b-51 WRF	2230	a	41.45	b-	4.5	b-g	1.2	c-h	32.6	a-d	86.4	a-d	54.69	a	1220	a
PHY 495 W3RF	2230	a	43.3	a-	4.6	a-f	1.1	k	35.3	a	85.2	a-f	54.50	a	1215	ab
PX 499-36 W3RF	2161	ab	42.72	a-	4.6	a-f	1.1	jk	34.0	a-d	85.5	a-f	54.50	a	1177	a-c
PX 4444-13 WRF	2158	ab	41.97	a-f	3.9	ij	1.3	ab	32.0	cd	86.5	ab	54.73	a	1181	a-c
PHY 333 WRF	2153	ac	42.65	a-	4.3	d-i	1.2	c-i	33.0	a-d	85.2	a-f	54.64	a	1176	a-c
ST 4946 GLB2	2121	a-c	39.55	g-	4.9	ab	1.2	e-j	33.9	a-d	86.1	a-d	53.89	a	1145	a-d
PHY 499 WRF	2109	a-c	42.4	a-	4.7	a-d	1.1	i-k	34.5	a-c	86.0	a-e	54.56	a	1151	a-d
ATX 12WSTR-557	2084	a-c	40.67	d-	4.5	b-g	1.2	c-e	32.8	a-d	85.5	a-f	54.53	a	1136	a-d
DP 1454 NR B2RF	2069	a-c	41.17	b-i	4.5	a-g	1.1	jk	32.3	b-d	85.0	a-f	54.50	a	1128	a-d
DP 1359 B2RF	2025	a-c	40.05	e-	4.5	a-g	1.2	c-i	34.7	a-c	85.0	a-f	54.50	a	1104	a-d
DPX 12R249 B2RF	2016	a-c	40.9	c-j	4.5	b-g	1.1	h-k	33.3	a-d	84.0	e-f	54.43	a	1097	a-d
DP 1252 B2RF	2008	a-c	44.3	a	4.7	a-e	1.1	jk	32.0	cd	84.8	b-f	54.45	a	1093	a-d
PX 5540-63 WRF	2004	a-c	43.4	ab	4.3	e-i	1.2	e-j	34.4	a-c	85.3	a-f	54.66	a	1096	a-d
FM 1944 GLB2	1980	a-c	38.77	i-k	4.6	a-f	1.2	b-d	32.9	a-d	85.0	a-f	54.50	a	1079	a-d
ATX 12WSTR-755	1955	a-c	39.5	h-	4.3	f-i	1.2	c-i	34.2	a-c	86.2	a-d	54.70	a	1069	a-d
DPX 12R224 B2RF	1949	a-c	39.5	h-	4.3	c-h	1.2	e-j	31.8	cd	84.9	a-f	54.53	a	1063	a-d
ATX 12WSTR-563	1948	a-c	39.97	f-k	4.2	f-j	1.2	c-g	31.2	d	85.0	a-f	54.55	a	1062	a-d
ATX CT14515 B2RF	1922	a-c	43.47	ab	4.4	c-h	1.2	c-h	34.3	a-c	84.9	a-f	54.51	a	1047	a-d
ATX 12LATR-1418X	1910	a-c	41.17	b-i	4.1	g-j	1.2	c-e	33.0	a-d	85.2	a-f	54.68	a	1044	a-d
NG 1511 B2RF	1909	a-c	42.27	a-f	4.9	a	1.1	jk	33.8	a-d	84.9	a-f	53.73	a	1026	a-d
ATX CT13454 B2RF	1882	a-c	38.3	k	3.8	j	1.3	a	33.8	a-d	86.3	a-d	54.76	a	1031	a-d

ATX CT13464 B2RF	1869	a-c	38.75	jk	4.0	h-j	1.2	a-c	34.2	a-c	86.2	a-d	54.78	a	1024	a-d
PHY 339 WRF	1832	a-c	40.95	c-j	4.3	c-h	1.2	d-i	33.3	a-d	85.8	a-e	54.64	a	1001	a-d
NG 5315 B2RF	1807	a-c	42.02	a-f	4.5	a-f	1.2	e-j	32.6	a-d	85.6	a-f	54.55	a	985	a-d
ST 6448 GLB2	1806	a-c	39.37	h-	4.4	c-h	1.2	c-i	31.8	cd	83.7	f	54.48	a	984	a-d
ATX 12WSTR-166-3	1796	bc	41.27	b-	4.5	a-g	1.2	c-f	31.3	d	85.2	a-f	54.48	a	978	b-d
DP 1219 B2RF	1768	bc	39.2	h-	4.3	c-h	1.2	c-i	35.2	ab	85.2	a-f	54.60	a	965	cd
ATX CT13442 B2RF	1767	bc	39.95	f-k	4.5	b-g	1.2	c-i	33.1	a-d	86.6	ab	54.63	a	965	cd
FM 2334 GLT	1751	bc	41.95	a-	4.5	a-g	1.2	a-d	32.2	b-d	85.9	a-e	54.58	a	956	cd
ATX NB502-49-2R	1729	bc	39.3	h-	4.5	a-g	1.2	c-i	34.3	a-c	86.8	a	54.65	a	945	cd
FM 1830 GLT	1718	c	41.5	b-	4.7	a-d	1.2	c-f	33.7	a-d	84.6	c-f	53.76	a	925	d
PHY 222 WRF	1704	c	39.32	h-	4.7	a-c	1.2	f-j	33.2	a-d	86.0	a-d	54.56	a	930	d
DP 1044 B2RF	1692	c	38.85	i-k	4.3	c-h	1.1	g-k	33.1	a-d	84.4	d-f	54.51	a	922	d
ATX NB502-75R CV	1689	c	39.35	h-	4.5	a-g	1.2	c-h	33.6	a-d	86.4	a-c	54.63	a	923	d
Mean	1934		40.9		4.4		1.22		33.3		85.4		54.51		1054	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.1808		<0.0001	
HSD (P=.05)	431.94		2.421		0.428		0.052		2.928		1.948		1.204		239.84	
STD DEV	210.62		1.77		0.28		0.04		1.40		0.96		0.45		115.88	
CV%	10.89		4.33		6.30		3.47		4.19		1.12		0.82		10.99	

¹ Lint values were calculated using the 2014 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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



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