TEXAS A&M AGRILIFE EXTENSION

REPLICATED AGRONOMIC COTTON EVALUATION (RACE) SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2015

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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, Americot/NexGen, Bayer CropScience, Croplan Genetics, Delta Pine, Dyna-Gro, and Phytogen** for their partial funding of these trials.

2015 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 2015. According to the USDA-Agricultural Marketing Service "Cotton Varieties Planted 2015 Crop" survey, the estimated percentage of upland cotton planted to specific Brands in Texas are as follows: Alltex had 4.0%, Americot/NexGen had 8.2%, Bayer CropScience – FiberMax had 34.5%, Bayer CropScience – Stoneville had 12.9%, Croplan Genetics had 0.5%, Delta Pine had 21.9%, Dyna-Grow had 7.2%, and Phytogen had 9.4%.

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 eleven 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.

Twelve Replicated Agronomic Cotton Evaluation (RACE) Trials were planted in 2015 and are listed in Table 1.

Yields across the regions that these trials represent were generally less than average in 2015. Most of the lower yields were due to very saturated conditions between planting and early bloom followed by an extended period when very little if any significant rainfall occurred during the remainder of the growing season until just prior to harvest, where some areas received a couple of weeks of good showers before the weather turned off relative open again.

Mean location yields for the 2015 RACE Trials ranged from 1637 lbs/ac for the Hidalgo irrigated location to 411 lbs/ac for the Calhoun Co location. Mean irrigate location yields ranged from 1637 for the Hidalgo location to 913 for the Burleson Co location. Mean dryland location yields ranged from 1308 lbs/ac for Colorado Co to 411 lbs/ac for the Calhoun Co location.

All the cotton seed companies with RoundupFlex® or Glytol® or Roundup XtendFlex® 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 6-11.

In addition to the RACE trials, three Monster cotton variety trials (Tables 16-18) were conducted in 2015 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 two locations for the Coastal Bend/Lower Rio Grande Valley (Table 2), and five locations for the Coastal Bend Counties (Table 3) were included in these two tables.

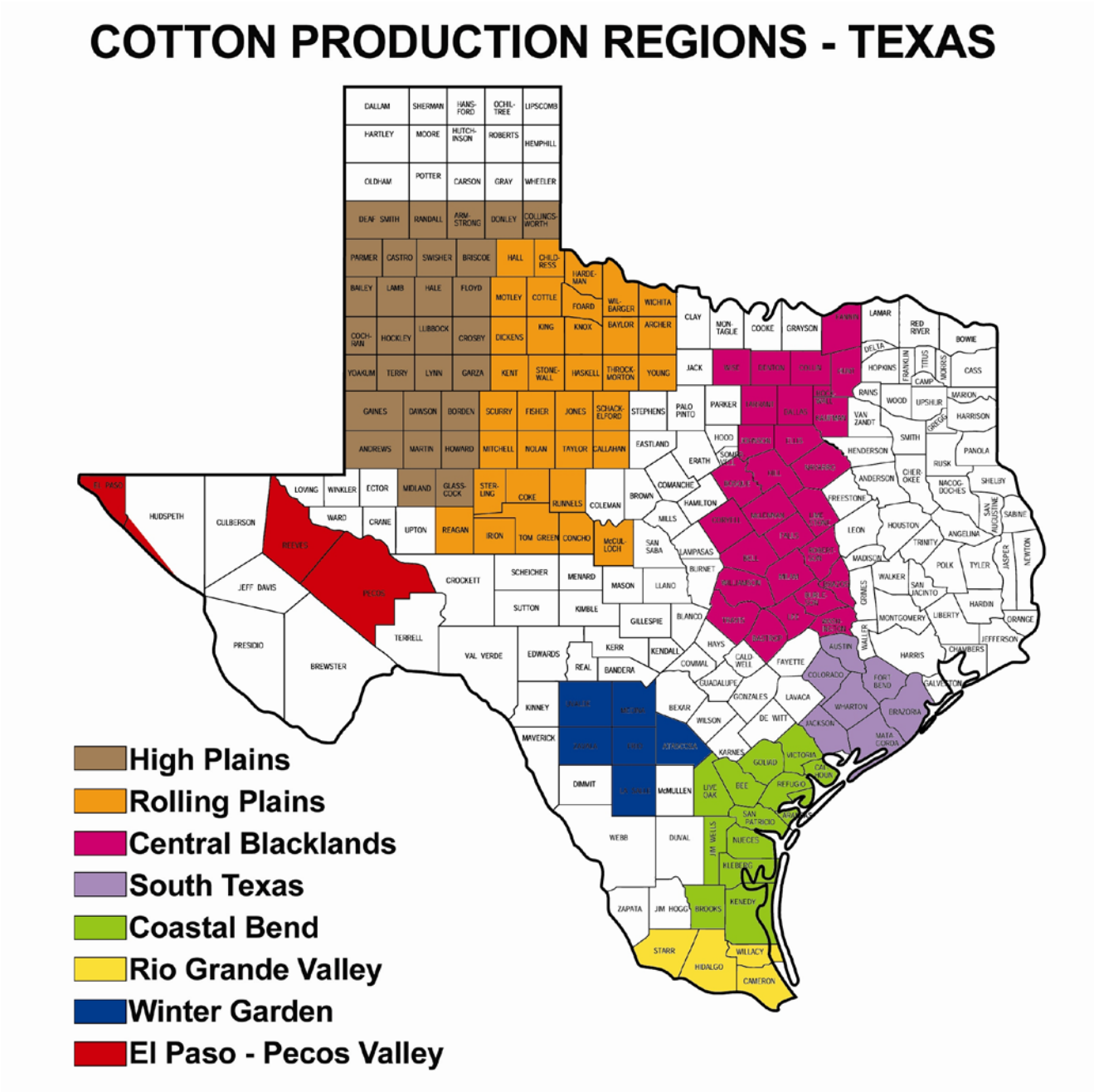
Tables 4 to 15 include the RACE trial yield data and fiber analysis for each individual location. Data featured in these tables include: statistical analysis of yield, turnout, fiber quality parameters, loan and gross lint value/acre. Most locations were ginned with a 20-saw table-top gin with no lint 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 4 (Hidalgo County RACE Trial) micronaire for ST 4946GLB2 (4.8) and PHY 499WRF (4.7) are both followed by a letter, “a”, and thus are considered significantly similar for yield. However, ST 4946GLB2 (4.8) and PHY 333WRF (4.4) 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



Variety Characteristics/Highlights

Below are the cotton variety characteristics and highlights that were included in the 2015 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

CROPLAN GENETICS 3885B2XF

- Full season maturity
- Smooth Leaf Type
- Adapted for both dryland and irrigated soils
- Requires aggressive PGR management in high yield environments
- Premium high quality fiber

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

DeltaPine 1549B2XF

- Semi-smooth Leaf
- Full- season maturity
- Full season variety, manage closely with PGR with irrigation or strong growing conditions
- Excellent performance under dryland and limited water situations

DeltaPine 1553B2XF

- Smooth Leaf
- Full- season maturity
- Broadly adapted to full-season growing areas
- May require timely PGR management under vigorous growing conditions
- Best fit in full season markets in SE and lower Mid-South

DeltaPine 1555B2RF

- Semi-smooth Leaf
- Full- season maturity
- Very responsive to high yield environments
- High turnout/small seed size
- Plant with irrigated, high yield environment, and favorable emergence conditions

DynaGro 13125B2F

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

DynaGro 3385BXF

- Semi-smooth leaf
- Early maturity
- Good seedling vigor
- Broad adaptation
- Good fiber quality and turnout
- Very responsive to irrigation and intense management

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 1900GLT

- Early/medium maturity
- Excellent storm tolerance
- High gin turnout
- Improved micronaire and strength over FM 2484B2F
- Excellent yield potential and fiber quality
- Widely adapted to full and limited irrigation production
- Good early season vigor
- Liberty and glyphosate tolerance for resistant weed management
- TwinLink two-gene Bt protection against worm pests, such as cotton bollworm and tobacco budworm

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 3406B2RF

- Early-mid maturity
- Semi-smooth leaf
- Excellent fiber quality and turnout
- Broadly adapted variety for the US cotton belt

NexGen 5315B2RF

- Full season maturity
- Indeterminate fruiting habit
- Smooth leaf
- Tall plant height
- Adapted to irrigated and dryland areas of south/central Texas, among others
- 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 444WRF

- Mid-maturity
- Superior fiber quality – premium mic and 38 to 40 staple
- Smooth leaf and tighter in bur than other Phytogen varieties
- Very high yield potential, especially under irrigation

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 6182GLT

- Full season maturity
- Good fiber quality
- High gin turnout
- Well suited for light and heavy soils
- Well suited for irrigation and dryland production
- Liberty and glyphosate tolerance for resistant weed management
- TwinLink two-gen Bt protection against work pests, such as cotton bollworm and tobacco budworm

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, cooperator, planting date, harvest date, row spacing, plot dimensions and area of 2015 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)
Hidalgo	Richard Drawe	Mar 31	Sep 8	40	12 rows X 865 ft	Irrigated	0.79
Nueces	AgriLife Research Farm	Apr 15	Aug 15	38	4 rows x 35 feet	Dryland	0.005
San Patricio	Reider Farms	Apr 15	Sep 15	38	6 rows X 2500 ft	Dryland	1.09
DeWitt	Tracy Metting	Apr 15	Sep 4	38	6 rows X 1265 ft	Dryland	0.55
Calhoun	Danny May	Apr 30	Sep 10	38	2 rows x 16 ft	Dryland	0.002
Jackson	Chris Hajovsky	Apr 6	Aug 27	38	6 rows x 2350 ft	Dryland	1.03
Matagorda	Hansen Farms	Apr 7	Sept 24	40	6 rows x 1458 ft	Dryland	0.67
Wharton	Kresta Farms	May 3	Sept 24	40	6 rows x 1378 ft	Dryland	0.65
Fort Bend	Alan and Lisa Stasney	Apr 7	Sep 17	36	12 rows x 1330 ft	Irrigated	1.1

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot
Colorado	Mahalitc Farms	May 4	Oct 7	36	12 rows x 1700 ft	Irrigated	1.4
Burleson	AgriLife Research Farm	Mar 30	Sep 11	40	2 rows x 740 ft	Irrigated	0.11
Williamson	Adam & Ricky Krueger	Apr 15	Sept 22	38	6 rows x 1225	Dryland	0.53
Hildago (Monster Var Trial)	AgriLife Research Farm	Apr 2	Aug 31	40	2 rows x 37 ft	Dryland	0.003
Nueces (Monster Var Trial)	AgriLife Research Farm	Apr 1	Aug 17	40	2 rows x 35 ft	Dryland	0.005
Matagorda (Monster Var Trial)	Hansen Farms	Apr 30	Sep 24	40	2 rows x 35 ft	Dryland	0.003

Table 2. Variety ranking based on lint yield, Coastal Bend/LRGV, 2015.

Variety	Trial				Mean
	San Patricio	Dewitt	Corpus Christi	Hildago [1]	
PHY 333WRF	2	1	1	1	**1.3**
ST 6182GLT	1	3	2	7	**3.3**
ST 4946GLB2	5	4	3	2	**3.5**
PHY 444WRF	3	2	7	3	**3.8**
NG5007B2XF	6	5	6	6	**5.8**
NG 3406B2XF	7	9	4	5	**6.3**
DP 1219B2RF	4	7	8		**6.3**
FM 2007GLT	10	8	5	4	**6.8**
DP 1549B2XF	9	10	9		**9.3**

[1]Indicates the location was irrigated.

Table 3. Variety ranking based on lint yield, Upper Gulf Coast Counties, 2015.

Variety	Trial						
	Calhoun	Jackson	Matagorda	Wharton	Fort Bend	Colorado	Mean
PHY 333WRF	2	3	1	1	5	2	**2.3**
ST 4946GLB2	1	5	2	3	2	1	**2.3**
DP 1555B2RF	3		4	2	6	4	**3.8**
PHY 444WRF	5	2	5	6	1	5	**4.0**
DP 1553B2XF	9	1	6	5	4	7	**5.3**
NG 3406B2XF	7	4	9	7	3	6	**6.0**
DG 3385B2XF	4	6	7	4	8	9	**6.3**
ST 6182GLT	10	7	3	9	10	3	**7.0**
CL 3885B2XF	6	8	8	8	7	8	**7.5**
FM 1900GLT	8	9	10	10	9	10	**9.3**

Table 4. Hidalgo County RACE Trial, 2015[1]

Cooperator: Richard Drawe

Brad Cowen, County Extension Agent, 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 333WRF	1777	a	45.0	a	4.4	bc	1.15	cd	29.9	cd	82.9	a	54.23	a	964	a
DP 1553B2XF	1735	a	43.0	ab	4.6	abc	1.17	c	28.6	ef	83.1	a	54.13	a	939	a
ST 4946GLB2	1697	a	40.6	bc	4.8	a	1.14	de	31.2	ab	83.3	a	54.53	a	925	a
PHY 499WRF	1666	a	42.8	ab	4.7	ab	1.14	de	32.3	a	83.6	a	54.58	a	909	a
PHY 444WRF	1618	a	42.5	ab	4.0	d	1.26	a	30.3	bc	85.1	a	54.77	a	886	a
DP 1359B2RF	1598	a	41.5	bc	4.6	abc	1.15	cd	31.5	ab	81.7	a	54.35	a	868	a
FM 2007GLT	1588	a	39.7	c	4.3	c	1.21	b	30.7	ab	83.4	a	54.63	a	868	a
NG 3406B2XF	1607	a	40.3	bc	4.8	a	1.12	e	28.9	def	83.5	a	53.30	a	857	a
NG 5007B2XF	1551	a	41.5	bc	4.5	abc	1.15	cd	27.7	f	82.8	a	54.10	a	839	a
ST 6182GLT	1536	a	44.9	a	4.7	ab	1.14	de	28.9	def	83.3	a	54.17	a	832	a
Mean	**1637**		**42.2**		**4.6**		**1.17**		**30.0**		**83.3**		**54.28**		**889**	
P>F	0.1371		0.0079		0.0008		<0.0001		0.0001		0.1063		0.0766		0.1648	
LSD (P=.05)	NS		2.7731		0.30329		0.0258		1.5821		NS		NS		NS	
STD DEV	172.83		2.23		0.28		0.04		1.59		1.16		0.57		94.84	
CV%	10.56		5.29		6.16		3.67		5.31		1.39		1.04		10.67	

[1] Indicates the location was irrigated

[2] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 5. Corpus Christi Research Center RACE Trial, 2015
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)[1]	
PHY 333WRF	1279	a	39.9	cd	3.5	de	1.17	bc	30.8	bc	83.7	ab	53.56	ab	685	a
ST 6182GLT	1249	ab	43.7	a	3.9	ab	1.12	def	30.0	c	83.0	abc	54.20	a	677	a
ST 4946GLB2	1245	ab	38.3	fg	3.5	de	1.14	cde	32.7	a	83.7	ab	53.71	a	669	a
PHY 499WRF	1214	ab	40.2	bc	4.0	a	1.10	f	32.7	a	83.9	a	54.06	a	656	ab
NG 3406B2XF	1113	c	38.9	ef	3.7	bcd	1.12	ef	31.5	abc	83.7	ab	54.39	a	605	bc
FM 2007GLT	1151	bc	36.2	h	3.4	e	1.18	b	31.2	abc	83.1	abc	52.40	b	603	bc
NG 5007B2XF	1103	cd	40.1	bc	3.8	abc	1.13	def	30.0	c	82.4	bc	54.09	a	597	cd
PHY 444WRF	1201	abc	40.6	b	3.0	f	1.22	a	32.6	a	83.9	a	48.81	c	586	cd
DP 1219B2RF	1007	de	38.2	g	3.6	cde	1.15	cd	31.9	ab	82.8	abc	54.08	a	545	de
DP 1549B2XF	955	e	39.4	de	3.7	bcd	1.11	ef	30.7	bc	81.7	c	53.90	a	515	e
Mean	**1152**		**39.5**		**3.6**		**1.14**		**31.4**		**83.2**		**53.32**		**614**	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		0.0103		0.05		<0.0001		<0.0001	
LSD (P=.05)	98.41		0.6007		0.24517		0.03229		1.7382		1.4182		1.3111		56.13	
STD DEV	120.84		1.91		0.31		0.04		1.44		1.15		1.78		65.62	
CV%	10.49		4.82		8.51		3.49		4.59		1.38		3.34		10.69	

[1] Lint values were calculated using the 2012 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 6. San Patricio County RACE Trial, 2015
Cooperator: Reider Farms
Bobby McCool, County Extension Agent-Agriculture, 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)[1]	
ST 6182GLT	1133	a	46.6	a	4.7	a	1.10	b	28.9	de	82.3	bc	53.77	ab	609	a
PHY 333WRF	1105	ab	43.6	bc	4.3	bcd	1.11	b	29.5	b-e	82.9	ab	53.70	b	593	a
PHY 444WRF	1078	abc	44.3	bc	4.0	e	1.17	a	32.3	a	84.3	a	54.80	a	591	a
DP 1219B2RF	1073	abc	41.7	de	4.5	abc	1.10	b	31.4	abc	82.5	bc	53.73	b	577	a
ST 4946GLB2	1027	abc	40.5	e	4.3	cde	1.09	b	31.5	ab	83.5	ab	53.63	b	551	a
NG5007B2XF	984	bc	43.4	bc	4.5	abc	1.09	b	29.2	cde	82.2	bc	53.23	b	523	b
NG 3406B2XF	973	bc	42.7	cd	4.5	ab	1.09	b	29.8	b-e	83.0	ab	53.28	b	519	b
CG 3885B2XF	963	cd	44.6	b	4.6	a	1.08	bc	28.6	de	83.2	ab	52.88	bc	509	c
DP 1549B2XF	952	cd	43.3	bc	4.7	a	1.06	c	28.2	e	82.0	bc	52.03	c	495	d
FM 2007GLT	892	d	40.7	e	4.1	de	1.10	b	30.6	a-d	81.2	c	53.38	b	476	d
Mean	**1008**		**43.1**		**4.4**		**1.10**		**30.0**		**82.7**		**53.45**		**544**	
P>F	0.0288		<0.0001		0.0001		<0.0001		0.0147		0.0456		0.0057		0.0151	
LSD (P=.05)	136.74		1.7541		0.25338		0.02919		2.2642		1.6282		1.0474		75.597	
STD DEV	124.19		1.89		0.27		0.03		1.81		1.20		0.88		68.62	
CV%	12.20		4.39		6.13		2.94		6.05		1.45		1.66		12.61	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 7. DeWitt County RACE Trial, 2015
Cooperator: Tracy Metting
Anthony Netardus, County Extension Agent-Agriculture, 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)[1]	
PHY 333WRF	1327	a	35.5	c	3.3	e	1.14	d	29.1	de	82.6	ab	51.28	cd	680	a
PHY 444WRF	1307	ab	37.0	b	3.1	f	1.21	a	31.2	ab	83.2	a	50.33	d	659	a
ST 6182GLT	1224	bc	38.6	a	4.0	ab	1.11	cd	29.5	cd	81.4	bc	53.62	ab	657	a
ST 4946GLB2	1189	cd	35.6	c	3.6	cd	1.12	bc	31.4	a	82.9	a	54.13	a	643	ab
NG 5007B2XF	1190	cd	35.8	bc	3.8	b	1.12	bc	27.1	f	81.5	bc	53.57	ab	637	ab
CG 3885B2XF	1179	cd	38.6	a	4.0	a	1.08	de	27.9	ef	82.1	ab	53.30	ab	629	ab
DP 1219B2RF	1106	de	36.0	bc	3.6	c	1.12	bc	30.6	abc	81.4	bc	54.27	a	600	bc
FM 2007GLT	1129	de	33.4	d	3.5	de	1.14	b	30.0	bcd	81.5	bc	53.02	ab	598	bc
NG 3406B2XF	1130	de	35.4	c	3.4	de	1.10	cd	29.6	cd	82.6	ab	52.67	abc	595	bc
DP 1549B2XF	1071	e	36.6	bc	3.5	cd	1.07	e	27.5	f	80.2	c	51.92	bcd	556	c
Mean	**1185**		**36.3**		**3.6**		**1.12**		**29.4**		**81.9**		**52.81**		**625**	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		0.007		0.0019		0.0054	
LSD (P=.05)	86.58		1.2923		0.16828		0.02817		1.326		1.3543		1.7001		55.392	
STD DEV	108.04		1.66		0.30		0.04		1.59		1.08		1.47		53.83	
CV%	9.12		4.59		8.34		3.52		5.40		1.32		2.78		8.61	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 8. Calhoun County RACE Trial, 2015
Cooperator: Danny May
Eric Taylor, County Extension Agent, Stephen Biles, 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)[1]	
ST 4946GLB2	590	a	48.5	a	4.7	a	1.06	a	30.1	a	82.0	a	51.55	a	306	a
PHY 333WRF	426	a	46.1	a	4.6	a	1.08	a	30.9	a	82.8	a	52.85	a	225	a
DP 1555B2RF	445	a	46.8	a	4.6	a	1.03	a	29.9	a	81.6	a	49.68	a	221	a
DG 3385B2XF	416	a	45.4	a	4.8	a	1.09	a	30.8	a	82.8	a	52.13	a	217	a
PHY 444WRF	395	a	46.3	a	4.5	a	1.11	a	31.3	a	83.2	a	53.90	a	213	a
CL 3885B2XF	407	a	47.2	a	4.4	a	1.07	a	30.9	a	82.4	a	52.35	a	213	a
NG 3406B2XF	379	a	47.1	a	4.6	a	1.07	a	29.0	a	82.8	a	52.68	a	200	a
FM 1900GLT	373	a	45.5	a	4.9	a	1.09	a	30.7	a	83.4	a	53.48	a	200	a
DP 1553B2XF	354	a	46.5	a	4.4	a	1.07	a	31.7	a	82.4	a	53.00	a	188	a
ST 6182GLT	327	a	46.2	a	4.7	a	1.06	a	29.6	a	82.6	a	50.85	a	166	a
Mean	**411**		**46.6**		**4.6**		**1.07**		**30.5**		**82.6**		**52.25**		**215**	
P>(F)	0.2559		0.8663		0.5712		0.4825		0.9554		0.765		0.1762		0.3171	
LSD (P=.05)	183.6		4.263		0.578		0.0683		4.8		2.213		2.9382		99.03	
STD DEV	81.20		1.89		0.26		0.03		2.12		0.98		1.30		43.78	
CV %	19.74		4.05		5.56		2.82		6.96		1.18		2.49		20.39	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 9. Jackson County RACE Trial, 2015
Cooperator: Chris Hajovsky
Michael Hiller, County Extension Agent
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist[1]

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
DP 1553B2XF	815	a	45.2	a	4.4	a	1.11	c	31.6	b	82.2	a	54.17	abc	441	a
PHY 444WRF	783	ab	45.6	a	3.7	c	1.18	a	31.4	bc	83.5	a	54.67	a	428	ab
PHY 333WRF	789	ab	42.8	a	4.1	b	1.13	c	28.7	de	82.8	a	54.20	ab	428	ab
NG 3406B2XF	725	bc	43.3	a	4.4	a	1.11	c	30.6	bc	83.5	a	54.02	bc	392	bc
ST 4946GLB2	716	bc	41.9	a	4.5	a	1.13	c	33.8	a	83.4	a	54.55	ab	390	bc
DP 1359B2XF	701	c	42.7	a	4.3	ab	1.12	c	29.5	cde	82.7	a	54.13	abc	379	c
DG 3385B2XF	701	c	42.9	a	4.4	a	1.11	c	29.8	bcd	83.0	a	53.57	cd	376	c
ST 6182GLT	658	cd	43.9	a	4.4	a	1.11	c	28.4	de	83.0	a	53.50	d	352	cd
CL 3885B2XF	667	cd	42.5	a	4.4	a	1.08	d	27.7	e	82.4	a	52.78	e	352	cd
FM 1900GLT	609	d	41.7	a	4.4	a	1.16	b	34.1	a	83.1	a	54.57	ab	332	d
Mean	**716**		**43.3**		**4.3**		**1.12**		**30.6**		**83.0**		**54.02**		**387**	
P>(F)	0.0005		0.1079		0.0002		0.0001		0.0001		0.2052		0.0001		0.0004	
STD DEV	77.35		2.711		0.261		0.0216		1.915		1.047		0.6203		42.19	
CV %	45.09		1.58		0.15		0.01		1.12		0.61		0.36		24.59	
Variety	6.29		3.65		3.53		1.12		3.65		0.74		0.67		6.35	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 10. Matagorda County RACE Trial, 2015
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]	
PHY 333WRF	913	a	47.9	ab	4.7	cd	1.10	bc	29.5	a	83.3	ab	53.50	a	489	a
ST 4946GLB2	906	ab	45.5	e	5.0	abc	1.07	c	30.0	a	83.2	abc	52.18	a	473	ab
PHY 499WRF	848	abc	47.5	bc	5.0	abc	1.10	bc	31.3	a	83.3	ab	52.57	a	446	abc
ST 6182GLT	832	a-d	48.5	a	4.9	abc	1.08	bc	29.3	a	82.2	bcd	53.27	a	443	abc
DP 1555B2RF	832	abc	47.7	ab	4.9	abc	1.11	bc	30.4	a	81.7	d	53.02	a	441	abc
PHY 444WRF	793	c-f	48.3	ab	4.5	d	1.19	a	31.1	a	84.4	a	54.68	a	434	bc
PHY 499WRF	820	b-e	48.1	ab	5.0	a	1.08	bc	30.3	a	82.0	cd	51.73	a	424	bc
DP 1553B2XF	779	c-f	46.8	cd	4.8	abc	1.11	b	29.0	a	82.9	bc	54.08	a	422	bc
DG 3385B2XF	743	ef	45.9	de	5.0	ab	1.10	bc	28.7	a	82.5	bcd	52.58	a	391	cde
CL 3885B2XF	726	fg	46.5	d	4.7	bcd	1.07	bc	28.7	a	83.1	bc	52.85	a	384	de
NG 3406B2XF	744	def	46.7	cd	5.1	a	1.09	bc	29.2	a	83.0	bc	51.45	a	383	de
FM 1900GLT	644	g	44.5	f	5.1	a	1.16	a	32.2	a	83.1	bc	52.68	a	339	e
Mean	**798**		**47.0**		**4.9**		**1.11**		**30.0**		**82.9**		**52.88**		**422**	
P>(F)	0.0001		0.0001		0.0038		0.0001		0.1209		0.0112		0.3266		0.0006	
LSD (P=.05)	87.4		0.91		0.27		0.038		2.46		1.19		2.437		54.8	
STD DEV	51.60		0.54		0.16		0.02		1.45		0.71		1.44		32.30	
CV %	6.47		1.15		3.26		2.01		4.84		0.85		2.72		7.66	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 11. Wharton County RACE Trial, 2015
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	751	a	45.0	cd	4.7	bc	1.11	b	28.0	d	82.6	a	53.77	a	404	a
DP 1555B2RF	746	a	46.8	ab	5.1	a	1.07	cd	31.3	b	81.6	a	50.90	a	380	b
ST 4946GLB2	720	ab	42.6	e	4.7	cd	1.07	cd	30.5	bc	81.7	a	52.62	a	379	b
DG 3385B2XF	698	bc	44.3	d	5.0	ab	1.09	bc	29.4	cd	82.0	a	51.72	a	361	bc
DP 1553B2XF	669	cde	45.5	bcd	5.0	a	1.11	b	30.2	bc	82.0	a	53.03	a	355	cd
PHY 444WRF	625	f	45.8	bc	4.4	d	1.15	a	33.3	a	82.8	a	54.50	a	341	cde
NG 3406B2XF	693	bcd	45.2	cd	5.0	ab	1.04	d	27.7	d	82.1	a	49.15	a	340	cde
CL 3885B2XF	657	def	44.4	d	5.0	a	1.09	bc	30.6	bc	82.6	a	51.58	a	338	de
ST 6182GLT	652	ef	47.3	a	4.9	abc	1.06	cd	28.9	cd	81.4	a	50.68	a	330	e
FM 1900GLT	439	g	41.5	e	4.9	abc	1.11	b	31.8	ab	81.9	a	52.95	a	233	f
P>(F)	**665**		**44.8**		**4.9**		**1.09**		**30.2**		**82.1**		**52.09**		**346**	
LSD (P=.05)	0.0001		0.0001		0.0056		0.001		0.0001		0.4356		0.0705		0.0001	
STD DEV	37.882637		1.371		0.298		0.0396		1.732		1.363		3.1783		20.82	
CV %	22.08		0.80		0.17		0.02		1.01		0.79		1.85		12.14	
Variety	3.32		1.78		3.56		2.12		3.35		0.97		3.56		3.51	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 12. Fort Bend County RACE Trial, 2015[1]
Cooperator: Alan and Lisa Stasney
John Gordy, 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 444WRF	1170	a	48.8	a	4.2	c	1.19	a	33.3	a	84.2	a	54.80	a	641	a
ST 4946GLB2	1123	a	49.4	a	4.8	ab	1.10	c	30.7	a	83.8	ab	53.87	a	605	a
NG 3406B2XF	1105	a	47.1	a	4.8	ab	1.10	c	30.9	a	83.3	a-d	53.80	a	594	a
DP 1553B2XF	1096	a	45.0	a	5.0	ab	1.16	ab	33.0	a	83.7	abc	53.73	a	589	a
PHY 333WRF	1076	a	45.8	a	4.8	b	1.12	bc	31.3	a	82.7	d	54.37	a	585	a
DP 1555B2RF	1109	a	46.8	a	5.1	a	1.11	c	33.4	a	82.8	cd	52.45	a	581	a
CL 3885B2XF	1041	a	45.7	a	5.0	ab	1.14	bc	31.2	a	83.2	bcd	53.55	a	555	a
DG 3385B2XF	1029	a	45.3	a	5.0	ab	1.11	c	29.9	a	83.9	ab	53.17	a	548	a
FM 1900GLT	984	a	48.3	a	4.8	ab	1.16	ab	32.8	a	83.3	a-d	54.43	a	535	a
ST 6182GLT	936	a	45.2	a	4.9	ab	1.13	bc	31.4	a	82.6	d	53.43	a	500	a
Mean	**1067**		**46.7**		**4.8**		**1.13**		**31.8**		**83.3**		**53.76**		**573**	
P>(F)	0.3891		0.9306		0.0007		0.0014		0.2511		0.0189		0.4741		0.2987	
LSD (P=.05)	195.2		7.82		0.32		0.039		3.02		0.9		2.014		103.3	
STD DEV	113.80		4.56		0.18		0.02		1.76		0.53		1.17		60.20	
CV %	10.67		9.75		3.81		2.00		5.54		0.63		2.18		10.50	

[1] Indicates the location was irrigated.

[2] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 13. Colorado County RACE Trial, 2015
Cooperator: Mahalitc Farms
Stephen Janak, 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	1483	a	45.3	a	4.8	ab	1.17	bc	32.8	ab	83.8	a	54.63	a	810	a
PHY 333WRF	1468	a	49.9	a	4.5	cd	1.16	bc	29.0	de	83.1	a	54.18	a	795	a
ST 6182GLT	1413	a	51.0	a	4.7	bc	1.15	bc	29.9	cde	82.7	a	54.20	a	766	a
DP 1555B2RF	1364	a	45.7	a	4.7	bc	1.14	c	30.7	cd	82.1	a	54.33	a	741	a
PHY 444WRF	1293	a	45.6	a	4.1	e	1.23	a	31.1	bc	83.7	a	54.70	a	707	a
NG 3406B2XF	1286	a	48.4	a	4.4	de	1.14	c	30.7	cd	83.0	a	54.33	a	699	a
DP 1553B2XF	1241	a	45.4	a	4.8	ab	1.17	bc	29.9	cde	83.4	a	54.33	a	674	a
CL 3885B2XF	1219	a	44.7	a	4.9	ab	1.14	c	28.4	e	82.7	a	54.05	a	659	a
DG 3385B2XF	1208	a	43.1	a	4.6	bcd	1.15	c	29.7	cde	84.4	a	54.33	a	656	a
FM 1900GLT	1104	a	42.4	a	5.0	a	1.19	ab	33.4	a	83.7	a	53.40	a	590	a
Mean	**1308**		**46.1**		**4.6**		**1.16**		**30.5**		**83.2**		**54.25**		**709**	
P>(F)	0.0933		0.0711		0.0012		0.015		0.0041		0.057		0.6992		0.0845	
LSD (P=.05)	247.13		5.308		0.272		0.0422		1.895		1.207		1.3585		136.09	
STD DEV	109.25		2.35		0.12		0.02		0.84		0.53		0.60		60.16	
CV %	8.36		5.09		2.60		1.60		2.74		0.64		1.11		8.48	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 14. Burleson County RACE Trial, 2015[1]
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]	
DP 1555B2RF	1096	a	42.3	a	4.5	a	1.10	a	29.3	a	81.8	a	54.35	a	587	a
NG 3406B2XF	1071	ab	43.4	a	4.5	a	1.13	a	30.5	a	82.9	a	54.50	a	579	a
CL 3885B2XF	1019	abc	44.6	a	4.6	a	1.10	a	29.9	a	82.2	a	53.02	a	543	a
DP 1522B2XF	997	a-d	41.1	a	4.6	a	1.13	a	31.5	a	83.9	a	52.10	a	541	a
PHY 444WRF	884	cde	42.4	a	4.7	a	1.11	a	30.0	a	82.7	a	54.42	a	477	b
DG 3385B2XF	899	b-e	42.3	a	4.1	a	1.14	a	29.9	a	83.4	a	53.38	a	477	b
PHY 499WRF	896	cde	42.6	a	4.7	a	1.09	a	29.8	a	83.8	a	52.43	a	471	b
NG 1511B2F	845	de	45.0	a	4.7	a	1.08	a	29.5	a	81.9	a	53.35	a	447	b
ST 4946GLB2	842	de	43.3	a	4.3	a	1.14	a	31.2	a	82.3	a	54.35	a	445	b
ST 6182GLT	802	e	42.0	a	4.5	a	1.13	a	30.5	a	83.0	a	53.32	a	434	c
FM 1900GLT	807	e	43.1	a	4.6	a	1.09	a	29.0	a	82.7	a	52.45	a	429	c
PHY 333WRF	799	e	43.1	a	4.6	a	1.08	a	29.4	a	81.9	a	53.67	a	424	c
Mean	**913**		**42.9**		**4.5**		**1.11**		**30.1**		**82.7**		**53.44**		**488**	
P>(F)	0.0093		0.0796		0.3484		0.7842		0.4788		0.1475		0.1912		0.0121	
LSD (P=.05)	173.5995		2.247		0.52		0.0833		2.26		1.668		1.9949		98.99	
STD DEV	102.51		1.33		0.31		0.05		1.33		0.99		1.18		58.46	
CV %	11.23		3.09		6.79		4.43		4.44		1.19		2.20		11.98	

[1] Indicates the location was irrigated

[2] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 15. Williamson County RACE Trial, 2015
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]	
PHY 333WRF	524	a	45.1	a	4.1	e	1.06	b	24.6	d	80.8	abc	50.48	bc	265	a
DG 3385B2XF	491	ab	44.0	a	4.3	bc	1.05	c	26.8	b	81.0	abc	51.20	b	251	a
PHY 444WRF	460	bcd	42.5	a	3.7	f	1.14	a	28.8	a	81.6	ab	54.07	a	249	a
NG 3406B2XF	487	abc	43.6	a	4.1	de	1.03	de	27.1	b	81.0	abc	49.55	bcd	242	a
ST 4946GLB2	465	bcd	42.5	a	4.2	cde	1.04	cd	29.1	a	81.7	a	50.50	bc	235	bc
CL 3885B2XF	444	b-e	43.5	a	4.8	a	1.03	ef	26.0	bcd	80.6	c	48.45	de	215	cd
DP 1219B2RF	433	cde	43.3	a	4.3	bcd	1.02	ef	26.3	bc	79.3	d	48.30	de	209	d
ST 6182GLT	411	de	45.5	a	4.4	b	1.04	cd	25.2	cd	80.7	bc	49.13	cd	202	e
DP 1549B2XF	431	de	44.0	a	4.2	cde	1.02	f	24.7	d	78.7	d	46.73	e	201	e
Mean	**454**		**43.6**		**4.2**		**1.05**		**26.4**		**80.5**		**49.77**		**226**	
P>(F)	0.0042		NS		0.0001		0.0001		0.0001		0.0001		0.0001		0.0003	
LSD (P=.05)	55.7346		2.924		0.193		0.0125		1.408		0.946		1.8832		27.89	
STD DEV	32.49		1.71		0.11		0.01		0.82		0.55		1.10		16.26	
CV %	7.15		3.91		2.69		0.69		3.11		0.69		2.21		7.18	

[1] Lint values were calculated using the 2015 Upland Cotton Loan Valuation Model from Cotton Incorporated.

CL= Croplan Genetics DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=Phytogen, ST= Stoneville.

Table 16. Weslaco Monster Cotton Variety Trial, 2015[1]
Texas A&M AgriLife Research and Extension Center, Weslaco, Texas
Dr. Josh McGinty, Assistant 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 312WRF	2542		42.5		4.3		1.21		31.2		84.0		54.68		1390	
MON 15R551B2XF	2387		42.0		4.4		1.27		30.0		83.7		54.38		1298	
PHY 552WRF	2319		43.2		4.3		1.19		31.6		84.8		54.73		1269	
CT 15015B2RF	2259		40.3		4.4		1.26		31.2		83.7		54.63		1234	
AMDG 7824	2226		42.0		4.6		1.11		27.1		82.4		53.60		1192	
ST 4747GLB2	2194		40.0		4.6		1.22		29.4		83.1		54.35		1192	
UA 222	2164		38.8		4.3		1.25		31.3		83.8		54.65		1183	
DG 3385B2XF	2124		39.5		4.8		1.17		30.7		83.5		54.40		1155	
ST 4946GLB2	2113		41.1		4.7		1.16		32.2		84.2		54.68		1155	
PHY 333WRF	2087		42.4		4.4		1.18		29.5		83.2		54.35		1134	
PHY 495W3RF	2075		44.3		4.6		1.14		34.3		83.8		54.60		1133	
NG 3406B2XF	2072		38.9		4.5		1.16		29.3		84.3		54.35		1126	
DP 1522B2XF	2046		40.4		4.8		1.16		32.0		83.7		54.60		1117	
NG 5007B2XF	2043		42.3		4.3		1.17		28.6		82.3		54.15		1106	
UA 103	2010		38.2		4.6		1.25		31.3		84.3		54.65		1098	
DP 1555B2RF	2009		43.7		4.6		1.18		32.3		83.4		54.55		1096	
ST 6182GLT	2005		45.5		4.6		1.16		29.3		82.8		54.15		1085	
NG 3405B2XF	1995		40.4		4.6		1.11		26.5		83.0		54.10		1079	
MON 15R525B2XF	1983		40.3		4.8		1.23		29.8		83.4		54.30		1077	
DP 1044B2RF	1969		39.0		4.6		1.13		30.8		83.3		54.30		1069	

DP 1518B2XF	1930		41.2		4.5		1.19		29.9		83.9		54.50		1051	
DP 1553B2XF	1930		41.9		4.6		1.17		30.1		83.0		54.35		1049	
DP 1359B2RF	1910		41.5		4.6		1.18		30.9		83.2		54.45		1040	
FM 2007GLT	1836		36.6		4.0		1.15		30.8		81.7		54.50		1001	
HQ 210 CT	1823		35.4		4.1		1.16		29.8		83.2		54.38		991	
PHY 444WRF	1817		43.1		3.9		1.26		31.5		84.4		54.90		997	
MON 14R934B2XF	1813		45.1		5.2		1.14		33.2		83.7		52.00		943	
DP 1549B2XF	1772		40.2		4.4		1.17		31.0		83.6		54.50		966	
DP 1219B2RF	1626		40.1		4.5		1.18		31.3		82.0		54.38		884	
PHY 499WRF	1514		41.1		4.7		1.14		31.9		83.0		54.40		824	
Mean	**2020**		**40.9**		**4.5**		**1.18**		**30.5**		**83.4**		**54.39**		**1099**	
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 2015 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 17. Corpus Christi Center Monster Cotton Variety Trial, 2015
Texas A&M AgriLife Research and Extension Center, Corpus Christi, Texas
Dr. Josh McGinty, Assistant 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 312WRF	1384	a	39.2	f-i	3.5	jk	1.1	b-f	32.8	b-g	83.6	a-	53.38	abc	739	a
PHY 552WRF	1279	ab	40.5	b-f	3.6	g-j	1.1	c-h	33.8	a-e	84.2	a-	54.34	abc	695	ab
CT15634B2RF	1250	abc	40.6	b-f	4.0	b-h	1.1	e-j	30.0	ghi	83.9	a-	54.51	abc	681	abc
ST 4747GLB2	1212	abc	37.8	i-l	3.9	c-j	1.1	b-f	29.2	hi	82.3	de	54.16	abc	656	abc
CT15444B2XF	1211	abc	38.2	g-	3.8	d-j	1.1	b-f	34.7	abc	85.1	a	54.90	a	665	abc
MON 15R551B2XF	1207	abc	42.0	ab	3.9	b-i	1.2	ab	31.8	c-h	83.9	a-	54.85	a	662	abc
CT15425B2XF	1192	abc	37.7	i-l	3.5	hij	1.1	a-e	33.7	a-e	83.9	a-	53.91	abc	643	abc
DP 1518B2XF	1183	abc	38.3	g-	3.4	jk	1.1	b-g	30.2	f-i	83.5	a-f	53.08	abc	628	a-d
PHY 333WRF	1181	abc	39.4	f-i	3.5	ij	1.1	c-h	31.7	c-h	84.0	a-	53.29	abc	630	a-d
UA 222	1179	abc	36.5	kl	3.6	g-j	1.2	abc	33.6	a-e	83.6	a-	54.28	abc	640	abc
ST 4946GLB2	1179	abc	38.0	h-	3.8	d-j	1.1	e-j	32.9	b-g	84.3	a-	54.73	a	645	abc
AMDG 7824	1167	abc	39.5	f-i	3.8	d-j	1.0	mn	27.3	i	82.0	ef	52.41	bc	612	a-d
FM 2007GLT	1160	abc	36.5	k-l	3.6	g-j	1.1	a-d	32.8	b-g	83.2	a-f	54.20	abc	628	a-d
UA 103	1149	a-d	37.7	i-l	3.6	g-j	1.2	abc	36.2	a	84.6	ab	54.44	abc	625	a-d
MON 14R934B2XF	1147	a-d	42.4	ab	4.6	a	1.1	f-k	33.3	a-f	83.8	a-	54.43	abc	624	a-d
PHY 444WRF	1128	a-d	40.0	c-	3.0	k	1.2	a	33.8	a-e	83.6	a-	49.75	d	558	a-e
NG 3405B2XF	1125	a-d	38.7	f-j	3.7	f-j	1.0	n	27.4	i	81.5	f	52.35	c	589	a-d
DP 1044B2RF	1122	a-d	36.7	jkl	3.6	g-j	1.1	g-m	31.1	e-h	82.9	b-f	54.09	abc	607	a-d
12WSTR307-	1086	a-d	39.4	f-i	3.9	c-j	1.1	c-h	33.4	a-f	83.8	a-	54.76	a	595	a-d
PHY 495W3RF	1077	a-d	40.3	b-	3.9	c-j	1.0	lmn	33.5	a-e	84.2	a-	53.63	abc	578	a-d
PHY 499WRF	1057	a-d	39.8	d-i	4.3	abc	1.1	j-n	34.1	a-e	83.8	a-	54.08	abc	572	a-d
MON 15R525B2XF	1057	a-e	38.1	h-	4.2	a-d	1.2	abc	33.2	a-g	84.3	a-	54.88	a	580	a-d

CT15545B2XF	1054	a-e	41.9	a-	3.8	e-j	1.1	e-j	34.4	a-d	83.1	a-f	54.64	ab	576	a-d
DP 1555B2RF	1042	b-e	40.5	b-f	4.0	b-g	1.1	c-h	35.5	ab	84.1	a-	54.83	a	571	a-d
DP 1359B2RF	1036	b-e	38.6	f-k	3.7	e-j	1.1	e-j	32.1	c-h	83.0	b-f	54.61	abc	566	a-e
DG 3385B2XF	1012	b-e	38.3	g-	3.9	d-j	1.1	g-l	31.7	c-h	84.0	a-	54.63	ab	553	a-e
DP 1522B2XF	1009	b-e	38.1	h-	4.1	b-e	1.1	g-l	33.1	a-g	84.2	a-	54.76	a	553	a-e
NG 3406B2XF	1004	b-e	38.8	f-j	4.0	b-i	1.1	h-n	31.9	c-h	83.6	a-	54.45	abc	546	b-e
DP 1219B2RF	991	b-e	37.6	i-l	3.8	d-j	1.1	d-i	33.3	a-f	83.4	a-f	54.69	a	542	b-e
CT15426B2XF	982	b-e	41.8	a-	4.1	b-f	1.0	k-n	31.4	d-h	83.8	a-	53.50	abc	525	b-e
NG 5007B2XF	966	b-e	39.7	e-i	4.1	b-f	1.1	f-k	30.2	f-i	82.8	b-f	54.15	abc	522	b-e
ST 6182GLT	931	b-e	42.8	a	4.3	ab	1.1	e-k	31.1	e-h	83.1	a-f	54.41	abc	507	b-e
DP 1549B2XF	925	cde	38.0	h-	3.8	d-j	1.1	i-n	31.0	e-h	82.3	de	53.94	abc	499	cde
DP 1553B2XF	805	de	40.0	c-	4.1	b-e	1.1	b-g	32.6	b-g	84.4	ab	54.81	a	441	de
HQ 210 CT	709	e	35.8	l	4.2	a-d	1.0	lmn	32.2	c-h	82.4	c-f	53.30	abc	378	e
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 2015 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 18. Matagorda County Monster Cotton Variety Trial, 2015

Cooperator: Hansen Farms

Brent Batechelor, County Extension Agent- Agriculture and Natural Resources

Dr. Josh McGinty, 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)[1]	
PHY 312WRF	1127	a	46.7	d-i	5.1	a-d	1.1	a-f	31.4	a-e	83.9	a-d	51.93	a-d	585	a
DP 1555B2RF	1075	ab	48.7	a-	5.5	abc	1.1	b-h	29.6	c-h	82.5	a-f	51.10	a-d	548	ab
PHY 333WRF	998	abc	48.1	b-	4.9	cd	1.1	b-h	28.7	c-h	83.2	a-f	52.60	abc	523	abc
PHY 444WRF	996	abc	48.6	a-	4.7	d	1.1	a	31.3	a-f	84.3	abc	54.63	a	544	ab
DP 1219B2RF	976	abc	47.4	c-	5.2	a-d	1.1	b-j	30.9	a-g	82.0	b-f	50.39	a-d	492	a-e
PHY 552WRF	972	abc	48.6	a-	5.1	a-d	1.1	b-i	30.8	a-g	83.2	a-f	52.04	a-d	507	a-d
12WSTR307-2B2RF	966	abc	47.5	c-	5.1	a-d	1.0	e-l	31.7	a-d	82.2	b-f	51.53	a-d	499	a-e
CT15634B2RF	956	abc	47.2	c-i	4.9	cd	1.0	f-l	29.2	c-h	83.3	a-f	52.75	abc	505	a-d
ST 4946GLB2	956	abc	45.6	g-	5.2	a-d	1.0	g-l	30.4	a-h	83.7	a-e	50.34	a-d	479	a-e
DP 1522B2XF	940	abc	47.8	b-	5.1	a-d	1.0	g-l	31.0	a-f	82.2	b-f	49.91	a-e	468	a-e
DP 1518B2XF	912	abc	47.4	c-	5.1	a-d	1.1	g-l	28.7	c-h	83.5	a-f	52.18	abc	475	a-e
PHY 495W3RF	909	abc	49.2	a-	5.2	a-d	1.0	i-l	32.0	abc	82.6	a-f	48.49	cde	440	a-e
CT15426B2RF	874	abc	49.8	a-	5.2	a-d	1.0	f-l	29.6	c-h	83.0	a-f	49.81	a-e	434	a-e
PHY 499WRF	871	abc	48.6	a-	5.2	a-d	1.0	h-l	30.9	a-f	82.9	a-f	49.46	b-e	430	a-e
ST 6182GLT	859	abc	50.2	ab	5.2	a-d	1.0	c-k	28.6	d-i	82.2	b-f	50.14	a-e	431	a-e
AMDG 7824	856	abc	47.4	c-	5.2	a-d	1.0	l	25.4	ij	80.9	f	45.21	e	387	b-e
MON 15R551B2XF	850	abc	48.1	b-	5.1	a-d	1.1	a	31.7	a-d	83.9	a-d	53.00	abc	450	a-e
DP 1553B2XF	849	abc	48.3	b-f	5.0	a-d	1.1	b-g	29.3	c-h	83.2	a-f	52.19	abc	443	a-e
ST 4747GLB2	849	abc	44.7	i-k	5.0	bcd	1.1	a-d	27.2	hij	82.3	b-f	52.76	abc	446	a-e
MON 14R934B2XF	846	abc	50.2	ab	5.7	ab	1.0	f-l	31.7	a-d	83.5	a-f	49.33	b-e	416	a-e
DP 1044B2RF	843	abc	46.7	d-i	5.1	a-d	1.0	g-l	29.9	b-h	82.7	a-f	51.14	a-d	431	a-e

DP 1359B2RF	837	abc	49.0	a-	5.2	a-d	1.0	f-l	30.4	a-h	81.1	ef	50.70	a-d	423	a-e
CT15444B2RF	830	abc	45.5	g-	5.2	a-d	1.1	ab	33.7	a	85.1	a	51.75	a-d	429	a-e
NG 3405B2XF	823	abc	46.1	e-j	4.7	cd	1.0	jkl	24.9	j	81.1	ef	49.33	b-e	407	a-e
NG 5007B2XF	804	abc	47.1	c-i	5.0	a-d	1.1	b-j	27.6	g-j	82.7	a-f	52.31	abc	421	a-e
UA 222	799	abc	43.9	jk	5.5	abc	1.1	b-g	30.5	a-g	82.6	a-f	51.04	a-d	407	a-e
MON 15R525B2XF	795	abc	46.2	e-j	5.4	a-d	1.1	abc	30.2	b-h	83.1	a-f	50.73	a-d	403	b-e
CT15574B2RF	789	abc	48.0	b-	4.9	cd	1.1	b-g	29.6	c-h	81.9	c-f	52.78	abc	418	a-e
DP 1549B2XF	787	abc	48.4	a-f	5.2	a-d	1.0	d-l	30.5	a-g	81.6	def	50.44	a-d	397	b-e
CT15425B2RF	770	bc	45.8	f-j	4.7	cd	1.1	ab	33.7	a	84.6	ab	54.06	ab	417	a-e
DG 3385B2XF	769	bc	48.3	d-f	5.1	a-d	1.1	b-j	28.6	d-i	83.6	a-e	51.24	a-d	394	b-e
NG 3406B2XF	746	bc	48.0	b-	5.1	a-d	1.0	f-l	28.1	f-j	83.2	a-f	51.01	a-d	381	b-e
FM 1900GLT	707	c	45.2	h-	5.4	a-d	1.1	a-e	31.6	a-d	83.1	a-f	50.95	a-d	360	cde
HQ 210 CT	688	c	43.8	jk	5.2	a-d	1.0	kl	28.1	e-j	81.3	def	47.15	de	324	e
UA 103	682	c	43.0	k	5.4	a-d	1.1	a-f	30.9	a-g	83.2	a-f	51.03	a-d	348	cde
CT15545B2RF	679	c	51.0	a	5.8	a	1.1	b-g	33.1	ab	83.2	a-f	50.06	a-e	340	de
Mean	**861**		**47.4**		**5.2**		**1.10**		**30.0**		**82.8**		**50.99**		**439**	
P>F	<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001		<0.0001	
HSD (P=.05)	350.49		2.6336		0.76714		0.05908		3.3202		2.6547		4.9294		179.22	
STD DEV	151.77		2.02		0.34		0.04		2.24		1.27		2.36		81.21	
CV%	17.63		4.27		6.58		3.82		7.44		1.53		4.63		18.50	

[1] Lint values were calculated using the 2015 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

http://cotton.tamu.edu

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