

REPLICATED AGRONOMIC COTTON EVALUATION (RACE)

SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2011



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2011 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 outlines the Best Management Practices for variety selection.

Texas producers planted 7.1 million acres of cotton in 2011 which was about 1 million more than the previous year or 2 million more than two years ago. In the east/south Texas regions (Lower Rio Grande Valley, Southern and Northern Blacklands, South Texas/Wintergarden and Upper Coastal Bend), 1.27 million acres were planted in 2011.

Transgenic varieties accounted for 86% of the state acreage in 2011. Percent transgenic cotton acreage in 2011 is down from 94% in 2010, which was the first percentage decrease in transgenic acres since this technology became commercially available. According to the USDA-Agricultural Marketing Service "Cotton Varieties Planted 2011 Crop" survey, the following Brands were planted to the highest percentage of acres in Texas, Alltex had 2%, Americot/NexGen had 20%, Croplan Genetics had 1%, Delta Pine had 18%, Dyna-Grow had 3%, FiberMax had 45%, Phytogen had 7%, and Stoneville had 3%.

To assist Texas cotton producers in remaining competitive in the Lower Rio Grande Valley, Southern Blacklands, South Texas/Wintergarden and Upper Coastal Bend

regions, the Texas AgriLife Extension Service-Cotton Agronomy program has been conducting, large plot, on-farm, replicated variety trials for the past eight years (Figure 2). This approach provides a good foundation of information that can be utilized to begin the decision making process.

Sixteen Replicated Agronomic Cotton Evaluation (RACE) Trials were planted in 2011. Counties included in the variety trials were Cameron, Hildago, Nueces, San Patricio, Refugio, DeWitt, Victoria, Calhoun, Jackson, Matagorda, Fort Bend, Wharton, Burleson, Milam, Comanche and Medina, but only 13 made it to harvest. The 2011 season was characterized as being dry throughout the duration of the season, from planting through harvest. Some areas had a more complete soil moisture profile while other areas had no moisture in the profile. Mean location yields ranged from 156 pounds per acre for Milam County to over 3,000 pounds per acre in Medina County. In addition, some locations did not have enough of a crop to justify being harvested, those included, Calhoun, Williamson and Comanche Counties.

In addition to the RACE trials, three conventional, three Liberty Link (LL), and two Monster cotton variety trials were conducted in 2011 and the final yields and grades from these are included in this publication.

Very little rain fell at any one location during the 2011 growing season. There was no shortage of sun, heat, wind and dry weather during the season. Irrigated cotton that received frequent and ample water yielded well and most other fields struggled to produce a bale of lint per acre. Dry conditions persisted into the fall and were near ideal for harvesting. As a result cotton leaf grades and color were exceptional good this year.

All the cotton seed companies with RoundupFlex[®] and Bt2[®] or Widestrike[®] technology had the opportunity to include at least one variety in the RACE trial at each location. Commercial seed companies represented in the trials included Fibermax (FM), Stoneville (ST), Deltapine (DPL), Phytogen (PHY), Dyna-Grow (DG), Croplan Genetics (CG), and Alltex. All varieties were treated with either Aeris or Avicta Complete Pak seed treatment. Also included are the cotton varieties provided by company representatives describing the major characteristics of the most common varieties in South and Central Texas. See description on page 8.

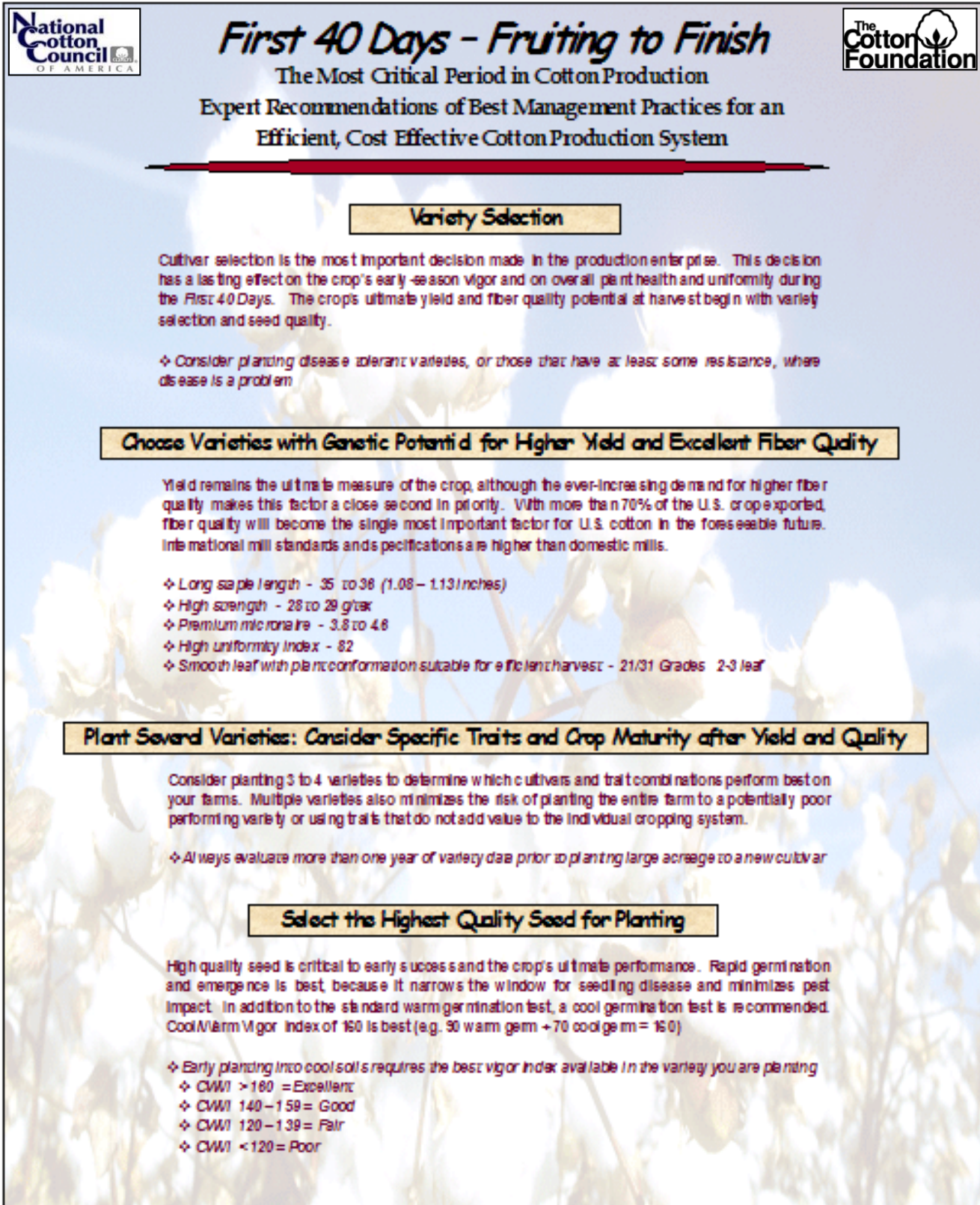
Table 1 provides a list of planting and harvest dates, row spacing and plot area for each location. Tables 2-4 shows numerical rankings based upon lint yield for all varieties across all locations. Only varieties that were planted at a minimum of five locations for the Lower Rio Grande Valley and Coastal Bend Counties (Table 2), four locations for the Upper Coastal Bend, Brazos River Bottom and Wintergarden (Table 3), and all varieties that were planted in the two Southern Blackland County locations (Table 4)

were included in these three tables. Tables 5 to 25 include the cotton variety 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 10-saw table-top gin with no lint cleaner. This method consistently produces higher lint turnout percentages than would be common in a commercial gin. Consequently, higher turnouts equate to lint yields which are generally higher than area-wide commercial yields. Additionally, all data were standardized to a color grade and leaf of 41 - 4.

The statistical analysis indicates a general overview of the uniformity or variability of the test conditions, such as soil type, cultural practices, insect damage, etc. Trial locations with large least significant differences (LSD's) and CVs indicate a higher degree of variability. The smaller the LSD, the more precise are the test results and higher likelihood of identifying differences among varieties. Non-significance is represented as "NS" and indicates no differences among the varieties within the data column.

Varieties that are statistically different from one another will not have the same letter next to the corresponding number value in a column. For example, Table 6 (Uniform Stacked-Gene Cotton Variety Trial) lint yields for DP 1044 B2RF (2038 lbs of lint/acre) and PHY 499 WRF (1950 lbs of lint/acre) are both followed by a like letter, "a" , and thus would not be considered significantly different from one another for yield. However, DP 1044 B2RF (2038 lbs of lint/acre) and PHY 367 WRF (1915 lbs of lint/acre) do not have a like letter following each of them and are therefore considered significantly different from one another. From looking at this, one can say that DP 1044 B2RF significantly higher yielding than all varieties except PHY 499 WRF, since both of these two varieties are both followed by the letter "a". This is because none of the other varieties are followed by the letter "a".

Figure 1.



National Cotton Council OF AMERICA

The Cotton Foundation

First 40 Days - Fruiting to Finish

The Most Critical Period in Cotton Production

Expert Recommendations of Best Management Practices for an Efficient, Cost Effective Cotton Production System

Variety Selection

Cultivar selection is the most important decision made in the production enterprise. This decision has a lasting effect on the crop's early-season vigor and on overall plant health and uniformity during the *First 40 Days*. The crop's ultimate yield and fiber quality potential at harvest begin with variety selection and seed quality.

- ◆ Consider planting disease tolerant varieties, or those that have at least some resistance, where disease is a problem

Choose Varieties with Genetic Potential for Higher Yield and Excellent Fiber Quality

Yield remains the ultimate measure of the crop, although the ever-increasing demand for higher fiber quality makes this factor a close second in priority. With more than 70% of the U.S. crop exported, fiber quality will become the single most important factor for U.S. cotton in the foreseeable future. International mill standards and specifications are higher than domestic mills.

- ◆ Long staple length - 35 to 38 (1.08 - 1.13 inches)
- ◆ High strength - 28 to 29 g/tex
- ◆ Premium micronaire - 3.8 to 4.8
- ◆ High uniformity index - 82
- ◆ Smooth leaf with plant conformation suitable for efficient harvest - 21/31 Grades 2-3 leaf

Plant Several Varieties: Consider Specific Traits and Crop Maturity after Yield and Quality

Consider planting 3 to 4 varieties to determine which cultivars and trait combinations perform best on your farms. Multiple varieties also minimizes the risk of planting the entire farm to a potentially poor performing variety or using traits that do not add value to the individual cropping system.

- ◆ Always evaluate more than one year of variety data prior to planting large acreage to a new cultivar

Select the Highest Quality Seed for Planting

High quality seed is critical to early success and the crop's ultimate performance. Rapid germination and emergence is best, because it narrows the window for seedling disease and minimizes pest impact. In addition to the standard warm germination test, a cool germination test is recommended. Cool/Warm Vigor Index of 160 is best (e.g. 90 warm germ + 70 cool germ = 160)

- ◆ Early planting into cool soils requires the best vigor index available in the variety you are planting
- ◆ CWVI > 160 = Excellent
- ◆ CWVI 140 - 159 = Good
- ◆ CWVI 120 - 139 = Fair
- ◆ CWVI < 120 = Poor

Variety Characteristics/Highlights

Below are the cotton variety characteristics and highlights that were included in the 2011 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 3039 B2F

- Early – medium/early maturity
- Semi-smooth leaf
- Columnar plant shape
- Moderate Verticillium Wilt tolerance

ALLTEX 65207 B2F

- Medium maturity, picker variety
- Premium micronaire
- Smooth leaf
- Staple: 1.13-1.27, Strength: 27-30

ALLTEX Apex B2F

- Medium to medium/early maturing variety
- Good fiber package
- Good storm tolerance

AMERICOT 1550 B2F

- Early-mid maturing variety
- Semi-smooth leaf

CROPLAN GENETICS 3220 B2F

- Early/medium maturity variety
- Semi-smooth leaf
- Moderate plant height
- Good storm tolerance
- Early plant vigor
- Easily managed plant growth
- Premium lint quality

CROPLAN GENETICS 3787 B2F

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

DeltaPine 141 B2RF

- Medium maturity variety
- Medium-tall plant height
- Semi-smooth leaf
- Outstanding fiber quality potential
- Has demonstrated high lint turnout and excellent yield potential on irrigated and good, productive soils

DeltaPine 161 B2RF

- Medium/full maturity variety
- Tall plant height
- High lint turnout
- Outstanding fiber quality potential
- Has demonstrated good tolerance to Fusarium and good tolerance to Verticillium Wilt

DeltaPine 0920 B2RF

- Early –mid maturity variety
- Medium plant height
- Semi-smooth leaf
- Widely adapted with strong performance in South Texas

DeltaPine 0935 B2RF

- Mid maturity variety
- Smooth leaf
- High gin turnout
- Nectariless trait for plant bug suppression
- Good overall fiber quality

DeltaPine 1028 B2RF

- Early-mid maturity
- Smooth leaf
- Improved staple and micronaire

DeltaPine 1032 B2RF

- Mid maturity
- Smooth leaf
- Good combination of yield and fiber quality potential
- Good performance on irrigated acres in West Texas

DeltaPine 1133 B2RF

- Mid maturity
- Smooth leaf
- Medium plant height
- Good combination of strength and length

DeltaPine 1044 B2RF

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

DeltaPine 1048 B2RF

- Mid-full maturity
- Smooth leaf
- Good combination of yield and fiber quality potential on dryland and low water irrigation acres in West Texas
- Improved staple and micronaire

DynaGrow 2570 B2RF

- Mid maturity variety
- Smooth leaf
- Above average height
- Excellent seedling vigor
- Responds well to irrigation

FiberMax 840 B2RF

- Medium/full maturity, okra-leaf variety
- Medium-tall plant with a vigorous growth habit
- Benefits from early season PGR applications under most conditions
- Well-adapted to South Texas

FiberMax 1740 B2RF

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

FiberMax 9160 B2RF

- Medium maturity variety
- Medium-tall plant
- Excellent fiber package
- Benefits from early season PGR applications
- Adapted to the Southwest regions and responds well to irrigation and high management practices

FiberMax 9170 B2RF

- Medium maturity variety
- Adapted to Southwest region
- Outstanding yield potential
- Excellent fiber package
- Good storm resistance
- Responds well to Stance plant growth regulator
- High gin turnout
- Early results indicate good verticillium wilt tolerance and bacterial blight resistance

NexGen NG 4012 B2F

- Medium maturity
- Smooth leaf
- Excellent vigor/fiber quality

Phytogen 375 WRF

- Indeterminate,
- 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 367WRF

- Early maturing variety suited for both dryland and irrigate fields
- Semi-smooth leaf
- Medium plant height, low PGR maintenance
- Excellent seedling vigor
- Root Knot Nematode resistan

Phytogen 499 WRF

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

Phytogen 565 WRF

- Full season variety with broad adaptation
- Good seedling vigor
- Medium-tall plant height
- Semi-smooth leaf
- Performs well on both irrigated and dryland fields

SeedTec HQ 212 CT

- Early-Mid maturing variety
- Smooth leaf
- Produces large bolls with a cluster fruiting pattern
- Adapted to dryland and irrigated systems
-

Stoneville 4288 B2RF

- Early-mid variety
- Excellent early season vigor
- Broadly adapted across the Cotton Belt
- Outstanding yield potential
- Responds well to Stance plant growth regulator
- Very good fiber package

Stoneville 4498 B2RF

- Early-mid variety
- Medium-tall plant with compact shape
- Low PGR needs
- Features good fiber properties

Stoneville 4554B2RF

- Early-mid variety
- Medium plant height with compact shape
- Responds well to PGR use
- Features good fiber properties

Stoneville 5288 B2RF

- Medium maturity variety
- Features excellent seedling vigor and sets a exhibits a high level of fruiting nodes
- Well suited for irrigated and dryland conditions
- Low PGR needs
- Features good fiber properties
- Benefits from an early, aggressive harvest aid management strategy
- Well adapted to the Southwest

Stoneville 5327 B2RF

- Medium maturity variety
- Features a stovepipe fruiting habit
- Aggressive growth habit, so does have a moderate PGR requirement under favorable growing conditions
- Features good fiber properties

Stoneville 5458 B2RF

- Medium maturity
- Exceptional yield potential
- Root-knot nematode tolerance
- Good fiber quality
- Excellent seedling vigor
- High lint percent

Table 1. Trial, cooperator, planting date, harvest date, row spacing, plot dimensions and area of 2011 Texas AgriLife Extension RACE Trials harvested.

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot
Cameron (B2F)	James Bauer	Mar 14	Aug 2	40	12 rows x 1089 ft	Irrigated	1.00 acres
Hildago (B2F)	Richard Drawe	Mar 10	Aug 1	40	12 rows x 850 ft	Irrigated	0.78 acres
Nueces (B2F)	Jim Massey	Mar 18	Aug 2	30	6 rows x 1027 ft	Dryland	0.35 acres
Meany (B2F)	TX AgriLife Research Farm	Mar 14	Aug 12	38	4 rows x 35 ft	Dryland	0.005 acres
San Patricio (B2F)	Robert Rieder	Mar 15	July 26	38	6 rows x 2495 ft	Dryland	1.08 acres
Refugio (B2F)	Alfred Franke	Mar 22	Aug 8	40	6 rows x 950 ft	Dryland	0.44 acres
Victoria (B2F)	Justin Leita	Mar 11	July 29	38	6 rows x 1024 ft	Dryland	0.45 acres
DeWitt (B2F)	Ben Hahn	Apr 4	Sept 8	38	4 rows x 886 ft	Dryland	0.26 acres
Matagorda (B2F)	Hansen Farms	Mar 24	Aug 8	40	8 rows x 1303 ft	Dryland	0.80 acres
Wharton (B2F)	Kresta Farms	Mar 22	Aug 1	40	6 rows x 1395 ft	Dryland	0.64 acres
Fort Bend (B2F)	Allen & Lisa Stasney	Mar 24	Sept 6	36	8 rows x 1452 ft	Irrigated	0.60 acres
Burleson (B2F)	Wilder Farms	May 31	Nov 9	40	4 rows x 1000 ft	Irrigated	0.31 acres
Medina (B2F)	Paul Aelvoete	Mar 29	Aug 19	36	4 rows x 770 ft	Irrigated	0.21 acres

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot
Milam (B2F)	Jay Beckhusen	May 10	Sept 9	30	4 rows x 1355 ft	Dryland	0.31 acres
Hildago (Conventional)	Lance Neuhaus	Mar 24	Aug 23	30	12 rows x 580 ft	Irrigated	0.40 acres
Nueces (Conventional)	Ed Jungmann	Mar 9	July 27	30	6 rows x 975 ft	Dryland	0.34 acres
Matagorda (Conventional)	Hansen Farms	Mar 22	Aug 6	40	8 rows x 650 ft	Dryland	0.40 acres
Nueces (LibertyLink® B2)	Lawhon Farms	Mar 11	July 19	38	6 rows x 2949 ft	Dryland	1.29 acres
San Patricio (LibertyLink® B2)	Robert Rieder	Mar 15	July 26	38	6 rows x 2495 ft	Dryland	1.09 acres
Victoria (LibertyLink® B2)	Justin Leita	Mar 11	Aug 10	38	6 rows x 3010 ft	Dryland	1.31 acres
Burleson (LibertyLink® B2)	TX AgriLife Research Farm	May 9	Sept 14	40	2 rows x 40 ft	Irrigated	0.005 acres
Nueces (Monster-Conventional Varieties)	TX AgriLife Research Farm	Mar 20	Jul 19	38	2 rows x 35 ft	Dryland	0.005 acres
Matagorda (Monster-Conventional Varieties)	Hansen Farms	Mar 23	Aug 9	40	2 rows x 35 ft	Dryland	0.005 acres

Table 2. Variety ranking based on lint value/acre, Lower Rio Grande, 2011.

Variety	Trial		Mean
	Cameron ¹	Hildago ¹	
DP 1044 B2F	1	1	1
PHY 499 WRF	2	2	2
FM 9170 B2F	4	3	3.5
FM 1740 B2F	5	4	4.5
DP 1048 B2F	6	6	6
PHY 375 WRF	7	5	6
PHY 367 WRF	3	10	6.5
DP 1032 B2F	9	8	8.5
NG 4012 B2F	8	9	8.5

¹Indicates the location was irrigated.

Table 3. Variety ranking based on lint yield, Coastal Bend Counties, 2011.

Variety	Trial				Mean ¹
	Nueces	Refugio	Victoria	DeWitt	
PHY 499 WRF	1	3	1	1	1.5
AM 1550 B2F	3	2		3	2.7
PHY 367 WRF	6	1	6	4	4.3
DP 1044 B2F	2	9	5	2	4.5
FM 1740 B2F	4	8	3	7	5.5
ST 5458 B2F	5	10	2	5	5.5
AT 3039 B2F	9	5		6	6.7
DP 1032 B2F	8	4	8	8	7.0
FM 9160 B2F	7	7		9	7.7

¹Indicates the variety was planted in at least 3 locations in this region.

Table 4. Variety ranking based on lint yield¹, Upper Gulf Coast Counties, 2011.

Variety	Trial			Mean
	Matagorda	Wharton	Fort Bend ¹	
PHY 499 WRF	1	1	2	1.3
DP 1044 B2F	5	2	1	2.7
FM 1740 B2F	2	4	3	3.0
DP 1032 B2F	4	5	5	4.7
PHY 367 WRF	7	3	7	5.7
ST 4288 B2F	6	6	6	6.0
ST 5458 B2F	3	7	8	6.0
NG 4012 B2F	8	8	4	6.7

¹ Indicates the location was irrigated.

Table 5. Variety ranking based on lint yield, Southern Blacklands, Brazos Bottom and WinterGarden Regions of Texas, 2011.

Variety	Trial			Mean
	Burleson ¹	Medina ¹	Milam	
PHY 499 WRF	2	1	1	1.3
DP 1044 B2F	1	3	2	2.0
ST 5458 B2F	4	2	6	4.0
AT 3039 B2F	3	6	5	4.7
FM 1740 B2F	6	9	4	6.3
CG 3787 B2F	10	4	7	7.0
PHY 367 WRF	8	10	3	7.0
DP 1032 B2F	5	7	10	7.3
NG 4012 B2F	9	5	9	7.7

¹ Indicates the location was irrigated.

**Table 6. Uniform Stacked-Gene Cotton Variety Trials, 2011
Cameron County¹
Cooperator: James Bauer
Enrique Perez, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ²	
DP 1044B2RF	2038	a	42.6	cd	4.7	a	1.13	d	30.5	bcd	82.6	a	53.62	bc	1093	a
PHY 499WRF	1950	ab	45.9	a	4.5	ab	1.17	bc	32.6	a	84.9	a	54.10	a	1054	ab
PHY 367WRF	1915	b	43.2	c	4.2	bcd	1.18	b	32.5	a	83.5	a	54.12	a	1036	bc
FM 9170B2F	1860	b	41.9	d	3.9	d	1.21	a	32.1	ab	83.1	a	54.02	ab	1005	bc
FM 1740B2F	1859	b	43.1	c	4.5	ab	1.13	d	30.0	cd	82.2	a	53.62	bc	997	c
DP 1048B2RF	1748	c	44.9	b	4.3	bc	1.18	ab	29.5	cd	83.3	a	53.72	abc	939	d
DP 1032B2RF	1722	c	44.9	b	4.4	abc	1.19	ab	30.9	abc	83.6	a	53.92	abc	928	d
PHY 375WRF	1724	c	43.2	c	4.2	cd	1.13	d	29.0	d	82.4	a	53.57	c	924	d
NG 4012B2RF	1722	c	42.5	cd	4.5	abc	1.14	cd	30.3	cd	82.3	a	53.60	bc	923	d
Mean	1837		43.6		4.4		1.16		30.8		83.1		53.81		989	
P>F	0.0001		0.0001		0.0057		0.0002		0.0024		0.0557		0.0434		0.0001	
LSD (P=.05)	94.98		0.887		0.341		0.0322		1.726		1.587		0.4169		55.49	
STD DEV	54.87		0.512		0.197		0.0186		0.997		0.917		0.2408		32.05	
CV%	2.99		1.18		4.52		1.6		3.23		1.1		0.45		3.24	

¹ Indicates the location was irrigated

²Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 7. Uniform Stacked-Gene Cotton Variety Trials, 2011
Hildago County¹
Cooperator: Richard Drawe
Brad Cowan, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ²	
DP 1044B2RF	1419	a	43.5	abc	5.1	a	1.10	cd	28.0	c	82.1	a	50.58	a	717	a
PHY 499WRF	1357	a	46.3	a	4.9	abc	1.10	cd	30.7	ab	84.0	a	52.48	a	712	a
FM 9170B2F	1353	a	42.9	bcd	4.5	f	1.18	a	31.7	a	83.6	a	53.95	a	730	a
FM 1740B2F	1317	a	43.9	abc	5.0	ab	1.08	d	28.7	bc	82.0	a	51.43	a	678	a
PHY 375WRF	1315	a	43.9	abc	4.7	cde	1.08	cd	29.5	abc	82.2	a	52.55	a	691	a
DP 1048B2RF	1274	a	46.6	a	4.8	bcd	1.15	ab	29.8	abc	83.7	a	53.75	a	685	a
DP 0920B2RF	1258	a	45.2	ab	5.0	a	1.11	bcd	28.3	c	82.3	a	50.95	a	641	a
DP 1032B2RF	1217	a	45.3	ab	5.0	ab	1.13	bc	28.3	c	82.4	a	52.25	a	635	a
NG 4012B2RF	1188	a	40.9	cd	4.5	ef	1.12	bcd	29.0	bc	81.1	a	53.18	a	632	a
PHY 367WRF	1177	a	39.8	d	4.6	def	1.12	bcd	30.9	ab	82.9	a	53.75	a	633	a
Mean	1287		43.8		4.8		1.11		29.5		82.6		52.49		675	
P>F	0.1016		0.0134		0.0022		0.0234		0.0493		0.1732		0.1425		0.1771	
LSD (P=.05)	NS		3.163		0.248		0.048		2.266		NS		NS		88.15	
STD DEV	71.88		1.398		0.11		0.0212		1.002		0.925		1.174		38.97	
CV%	5.58		3.19		2.29		1.9		3.4		1.12		2.24		5.77	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 8. Uniform Stacked-Gene Cotton Variety Trials, 2011
Nueces County
Cooperator: Jim Massey
Jeff Stapper, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	857.7	a	44.3	a	4.8	a	1.02	b	29.6	a	80.7	ab	49.85	bc	428	a
DP 1044B2RF	803.7	ab	41.1	cd	4.6	b	1.02	b	27.1	bc	80.1	abc	49.07	bcd	394	b
AM 1550B2RF	798.7	bc	41.7	bc	4.6	b	1.02	b	25.3	de	80.3	ab	48.33	cd	386	b
FM 1740B2RF	796.3	bc	41.6	bc	4.5	b	1.02	b	26.8	bc	79.3	bc	49.28	bc	393	b
ST 5458B2RF	748.3	cd	40.5	de	4.5	b	1.03	b	26.3	cd	79.8	bc	49.10	bcd	367	bcd
PHY 367WRF	746.3	cd	41.6	bc	4.2	c	1.02	b	26.6	bc	80.9	ab	50.20	b	375	bc
FM 9160B2F	716.7	d	39.9	e	4.2	c	1.08	a	27.8	b	81.4	a	52.27	a	374	bc
DP 1032B2RF	714	d	42.3	b	4.8	a	1.01	b	25.2	de	78.6	c	47.27	d	338	d
AT 3039B2RF	712.7	d	41.6	bc	4.5	b	1.04	b	24.2	e	80.2	abc	49.28	bc	351	cd
Mean	766		41.6		4.5		1.03		26.5		80.1		49.41		378	
P>F	0.0003		0.0001		0.0001		0.0225		0.0001		0.0496		0.0031		0.0006	
LSD (P=.05)	55.19		1.021		0.15		0.0378		1.285		1.555		1.8356		30.33	
STD DEV	31.88		0.59		0.087		0.0219		0.742		0.898		1.0605		17.52	
CV%	4.16		1.42		1.92		2.13		2.8		1.12		2.15		4.63	

¹ Lint values were calculated using the 2011 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 9. Meaney Uniform Stacked-Gene Cotton Variety Trials, 2011
Texas AgriLife Research Farm, Corpus Christi, Texas
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
Rudy Alaniz, Technician and Clinton Livingston, Technician

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499 WRF	992	a	44.95	a	4.3	b	1.06	bc	31.5	a	82.4	ab	52.96	a	525.18	a
PHY 367 WRF	910	b	42.40	b	4.1	c	1.08	b	30.0	b	81.5	c	52.91	a	481.28	b
AM 1550 B2RF	905	b	42.20	b	4.4	ab	1.05	c	28.0	cd	81.4	c	51.55	a	466.21	bc
DP 1044 B2RF	827	c	40.90	cd	4.0	c	1.05	c	30.2	b	81.7	bc	51.48	a	425.91	cd
FM 1740 B2RF	825	c	41.33	bcd	4.1	c	1.08	b	29.5	b	81.8	bc	52.90	a	436.62	cd
AT 3039 B2RF	823	c	42.45	b	4.3	b	1.07	bc	27.4	d	81.1	c	52.33	a	430.85	cd
ST 5458 B2RF	818	c	41.98	bc	4.3	b	1.06	bc	29.2	bc	81.7	bc	52.08	a	425.60	cd
FM 9160 B2F	818	c	40.50	d	3.6	d	1.12	a	29.6	b	83.1	a	52.55	a	430.84	cd
DP 1032 B2RF	790	c	44.05	a	4.5	a	1.08	b	29.3	bc	83.2	a	52.58	a	415.70	d
Mean	856		42.31		4.1		1.07		29.38		81.99		52.37		448.69	
P>F	0.0001		0.0001		0.0001		0.0003		0.0001		0.0001		0.2898		0.0002	
LSD (P=.05)	68.6		1.145		0.199		0.0242		1.329		0.861		NS		41.26	
STD DEV	47.0		0.784		0.136		0.0166		0.911		0.59		0.9911		28.27	
CV%	5.49		1.85		3.29		1.55		3.1		0.72		1.89		6.3	

¹ Lint values were calculated using the 2011 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 10. Uniform Stacked-Gene Cotton Variety Trials, 2011
San Patricio County
Cooperator: Robert Rieder
Duane Campion, County Extension Agent-Agriculture and Natural Resources
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre)	
PHY 499WRF	925	a	45.57	a	4.57	a	1.06	a	30.80	a	82.3	a	52.52	a	485.60	a
FM 1740B2F	847	b	42.03	c	4.27	b	1.04	a	27.17	c	81.1	abc	50.75	ab	430.01	b
ST 5458B2RF	826	bc	42.57	bc	4.67	a	1.06	a	27.53	bc	80.1	cd	51.38	a	424.49	bc
AT 3039B2RF	822	bc	42.27	bc	4.53	a	1.03	a	25.37	d	79.7	d	48.57	b	399.28	de
AM 1550B2RF	820	bc	42.53	bc	4.67	a	1.02	a	25.33	d	80.4	bcd	48.78	b	399.97	de
DP 1044B2RF	819	bc	41.43	cd	4.50	a	1.06	a	28.57	bc	81.3	abc	52.00	a	425.69	bc
PHY 375WRF	806	c	41.83	cd	4.27	b	1.05	a	27.17	c	81.6	ab	50.80	ab	409.31	cde
DP 1032B2RF	795	cd	43.53	b	4.60	a	1.07	a	27.87	bc	81.4	ab	52.28	a	415.54	bcd
FM 9160B2F	787	cd	41.47	cd	4.00	c	1.08	a	28.17	bc	81.8	a	52.92	a	416.31	bcd
PHY 367WRF	756	d	40.47	d	4.27	b	1.06	a	28.93	b	81.3	abc	51.95	a	392.28	e
Mean	820		42.37		4.43		1.05		27.69		81.1		51.20		419.85	
P>F	0.0001		0.0001		0.0001		0.0602		0.0001		0.0087		0.0133		0.0001	
LSD (P=.05)	40.6		1.389		0.187		NS		1.739		1.247		2.42		20.40	
STD DEV	23.657		0.81		0.109		0.0225		1.014		0.727		1.41		11.89	
CV%	2.88		1.91		2.46		2.14		3.66		0.9		2.76		2.83	

¹ Lint values were calculated using the 2011 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 11. Uniform Stacked-Gene Cotton Variety Trials, 2011
Refugio County
Cooperator: Alfred Franke
Jerry Gray, County Extension Agent and Stephen Biles, Extension Agent-IPM
Dr. Dan D. Fromme, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 367WRF	739	a	46.0	b	4.9	b	1.01	a	29.5	a	80.1	f	49.20	a	363	a
AM 1550B2RF	705	ab	43.9	d	4.8	c	1.05	a	28.8	a	82.6	a	52.20	a	368	a
PHY 499WRF	700	ab	43.6	g	4.9	b	1.05	a	28.3	a	80.8	d	52.00	a	364	a
DP 1032B2RF	698	ab	43.8	e	4.7	d	1.02	a	27.3	a	79.6	g	50.05	a	349	ab
AT 3039B2RF	695	abc	45.7	c	4.9	b	1.04	a	25.7	a	80.6	e	50.05	a	348	ab
CG 3220B2RF	688	abc	43.9	d	4.6	e	1.02	a	28.9	a	80.0	f	50.05	a	344	ab
FM 9160B2F	670	bcd	43.7	f	4.8	c	1.01	a	27.4	a	80.0	f	48.95	a	328	bc
FM 1740B2F	650	bcd	43.6	g	4.9	b	1.04	a	25.6	a	80.8	d	50.05	a	325	bc
DP 1044B2RF	636	cd	47.0	a	5.1	a	1.04	a	30.4	a	81.8	c	48.10	a	306	c
ST 5458B2RF	617	d	43.2	h	4.4	f	1.1	a	30.0	a	82.2	b	53.10	a	327	bc
Mean	680		44.4		4.8		1.04		28.2		80.9		50.38		342	
P>F	0.0346		0.0001		0.0001		0.5765		0.7923		0.0001		0.2937		0.0177	
LSD (P=.05)	61.5		0.079		0.009		NS		NS		0.106		NS		30.6	
STD DEV	27.18		0.035		0.004		0.0395		2.59		0.047		0.9831		13.53	
CV%	4.0		0.08		0.08		3.50		8.13		0.06		1.99		3.95	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 12. Uniform Stacked-Gene Cotton Variety Trials, 2011
Victoria County
Cooperator: Justin Leita
Joe Janak, County Extension Agent Stephen Biles, Extension Agent-IPM
Dr. Dan D. Fromme, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	890	a	47.0	a	4.9	abc	1.04	cd	30.6	ab	82.4	a	51.70	a	443	a
ST 5458B2RF	779	b	43.3	cde	4.8	abc	1.04	bcd	29.1	bcd	81.0	a	51.58	a	400	b
FM 1740B2F	777	b	43.8	c	4.7	d	1.04	bcd	28.7	cd	80.6	a	51.35	a	394	bc
ST 4288B2RF	771	b	42.8	ef	4.9	ab	1.06	ab	27.7	d	80.9	a	51.00	a	390	bc
DP 1044B2RF	755	b	42.8	ef	4.7	d	1.03	d	28.8	cd	81.4	a	50.78	a	376	bcd
PHY 367WRF	752	b	43.2	def	4.4	e	1.03	cd	28.9	cd	81.0	a	50.62	a	377	bcd
NG 4012B2RF	749	b	43.5	cd	4.8	cd	1.03	cd	28.0	d	80.3	a	50.18	a	373	cd
DP 1032B2RF	748	b	45.0	b	5.0	a	1.07	a	29.1	bcd	81.4	a	49.83	a	387	bc
DG 2570B2RF	739	bc	42.7	f	4.9	abc	1.05	bc	30.7	a	82.1	a	49.80	a	377	bcd
CG 3220B2RF	696	c	42.0	g	4.8	bcd	1.05	bc	29.8	abc	81.5	a	49.77	a	359.	d
Mean	765.7		43.6		4.8		1.04		29.1		81.3		50.66		388	
P>F	0.0001		0.0001		0.0001		0.003		0.0107		0.067		0.3473		0.0002	
LSD (P=.05)	46.71		0.54		0.147		0.0183		1.554		NS		NS		25.61	
STD DEV	27.23		0.315		0.085		0.0107		0.906		0.745		1.17		14.93	
CV%	3.56		0.72		1.79		1.02		3.11		0.92		2.31		3.85	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 13. Uniform Stacked-Gene Cotton Variety Trials, 2011
DeWitt County
Cooperator: Ben Hahn
Anthony Netardus, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	842	a	43.3	a	4.5	a	1.05	bc	31.2	a	81.6	ab	51.93	ab	437	a
DP 1044B2RF	807	ab	40.0	c	4.3	ab	1.05	bc	28.5	b	80.9	bc	51.40	ab	415	ab
AM 1550B2RF	737	bc	40.1	c	4.3	ab	1.04	bc	26.4	c	81.1	b	50.35	bc	371	bc
PHY 367WRF	718	bc	40.1	c	4.1	bc	1.05	bc	27.6	bc	80.8	bc	51.45	ab	370	bc
ST 5458B2RF	703	cd	39.2	c	4.2	bc	1.06	b	26.8	c	79.8	c	51.25	ab	361	c
AT 3039B2RF	682	cd	41.5	b	4.1	bc	1.04	c	23.9	d	79.8	c	49.00	c	334	c
DP 1032B2RF	616	de	40.1	c	4.2	bc	1.09	a	28.1	b	80.8	bc	52.95	a	326	cd
FM 9160B2F	530	e	39.0	c	4.0	c	1.10	a	27.4	bc	82.3	a	53.00	a	281	d
Mean	699		40.3		4.2		1.06		27.5		80.9		51.35		359	
P>F	0.0001		0.0001		0.0252		0.0001		0.0001		0.0072		0.0067		0.0002	
LSD (P=.05)	91.7		1.311		0.291		0.0191		1.195		1.144		1.8121		48.65	
STD DEV	52.99		0.758		0.168		0.011		0.691		0.661		1.0469		28.11	
CV%	7.58		1.88		4.03		1.04		2.51		0.82		2.04		7.84	

¹ Lint values were calculated using the 2011 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. Uniform Stacked-Gene Cotton Variety Trials, 2011
Matagorda County
Cooperator: Hansen Farms
Brent Batchelor, County Extension Agent and Clyde Crumley, Extension Agent – IPM
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) ¹	
PHY 499 WRF	1670	a	39.3	a	5.0	b	1.09	cd	33.2	a	83.1	ab	52.03	bc	869	a
DG 2570 B2F	1523	ab	41.3	a	5.0	bc	1.09	cd	31.8	bc	83.7	a	52.83	ab	806	ab
FM 1740 B2F	1427	bcd	36.6	a	4.9	de	1.10	bcd	30.6	d	82.3	bc	53.43	a	762	bc
ST 5458 B2F	1461	bc	37.3	a	5.2	a	1.08	d	31.9	b	82.2	bc	50.95	c	744	bc
DP 1032 B2F	1372	bcd	37.3	a	4.9	de	1.12	a	31.0	cd	82.3	bc	53.70	a	737	bc
DP 1044 B2F	1369	bcd	34.5	a	4.9	de	1.08	d	30.5	de	82.9	ab	53.33	a	730	bc
ST 4288 B2F	1348	bcd	33.7	a	4.8	ef	1.11	b	29.8	e	81.6	c	53.15	ab	716	bc
PHY 367 WRF	1300	cd	35.5	a	4.8	f	1.09	cd	31.8	bc	82.8	b	53.50	a	695	c
CG 3220 B2F	1289	cd	35.6	a	4.9	cd	1.10	bc	31.0	cd	82.9	ab	52.90	ab	682	c
NG 4012 B2F	1264	d	35.7	a	4.7	g	1.10	bc	31.2	bcd	81.8	c	53.43	a	675	c
Mean	1402		36.7		4.9		1.10		31.3		82.6		52.93		742	
P>(F)	0.0038		NS		0.0001		0.0005		0.0001		0.003		0.0061		0.0173	
LSD (P=.05)	175.93		4.733		0.091		0.0147		0.847		0.889		1.2537		98.75	
STD DEV	102.56		2.759		0.053		0.0085		0.494		0.518		0.7308		57.57	
CV %	7.31		7.52		1.08		0.78		1.58		0.63		1.38		7.76	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 15. Uniform Stacked-Gene Cotton Variety Trials, 2011
Wharton County
Cooperator: Kresta Farms
Peter McGuill, County Extension Agent and Clyde Crumley, Extension Agent – IPM
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %	Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) ¹	
PHY 499 WRF	945	a	50.7	4.8	b	1.04	a	32.3	a	82.2	a	51.28	a	485	a
DP 1044 B2F	811	b	47.7	4.7	bc	1.06	a	29.4	bc	81.5	abc	51.78	a	420	b
PHY 367 WRF	799	bc	48.5	4.6	c	1.05	a	29.9	b	81.8	ab	51.65	a	413	b
CG 3220 B2F	778	bc	48.1	4.8	b	1.06	a	29.1	bcd	81.6	ab	51.80	a	402	bc
FM 1740 B2F	791	bc	48.1	4.8	b	1.04	a	27.7	de	81.3	abc	50.70	a	402	bc
DP 1032 B2F	743	bcd	49.0	4.8	b	1.07	a	28.3	bcd	80.9	a-d	52.37	a	389	bc
ST 4288 B2F	714	bcd	45.7	4.7	bc	1.05	a	26.6	e	80.5	bcd	51.35	a	367	bcd
ST 5458 B2F	771	bc	47.2	5.0	a	1.03	a	27.9	cde	79.6	d	47.60	b	367	bcd
DG 2570 B2F	691	cd	42.5	4.8	b	1.04	a	29.9	b	81.7	ab	50.30	a	348	cd
NG 4012 B2F	651	d	46.6	4.3	d	1.04	a	27.7	de	80.2	cd	50.22	a	327	d
Mean	767		47.3	4.73		1.05		29.0		81.1		50.93		391	
P>(F)	0.0043		NS	0.0001		NS		0.0001		0.0267		0.0142		0.0027	
LSD (P=.05)	115.55		5.405	0.147		0.034		1.683		1.438		2.1967		60.68	
STD DEV	67.36		3.151	0.085		0.0198		0.981		0.838		1.2805		35.37	
CV %	8.75		6.65	1.8		1.89		3.4		1.03		2.52		9.03	

¹ Lint values were calculated using the 2011 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 16. Uniform Stacked-Gene Cotton Variety Trials, 2011
Fort Bend County¹**

**Cooperator: Alan and Lisa Stasney
Allen Malone, 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	
DP 1044 B2F	1282	a	46.6	a	4.7	b	1.05	a	28.1	b	81.0	a	51.35	a	658	a
PHY 499 WRF	1202	ab	46.6	a	5.1	a	1.05	a	30.7	a	82.3	a	51.72	a	622	ab
FM 1740 B2F	1170	ab	46.9	a	4.8	b	1.04	a	26.8	bcd	80.1	a	51.10	a	599	ab
PHY 375 WRF	1121	bc	47.0	a	4.8	b	1.06	a	27.6	bcd	81.3	a	51.63	a	579	bc
CG 3787 B2F	1078	bcd	47.3	a	4.8	b	1.07	a	26.6	cd	81.3	a	52.28	a	563	bcd
NG 4012 B2F	1003	cde	45.6	a	4.3	d	1.06	a	26.5	cde	80.4	a	52.18	a	523	cd
DP 1032 B2F	1010	cde	47.1	a	4.8	b	1.06	a	25.1	e	79.6	a	49.77	a	502	d
ST 4288 B2F	954	de	43.3	b	4.5	c	1.07	a	26.1	de	80.7	a	52.28	a	499	d
PHY 367 WRF	950	de	46.4	a	4.6	c	1.07	a	27.9	bc	81.5	a	52.00	a	494	d
ST 5458 B2F	949	e	45.6	a	4.8	b	1.06	a	26.5	cde	80.6	a	52.00	a	493	d
Mean	1072		46.2		4.7		1.06		27.2		80.9		51.63		553	
P>(F)	0.0002		0.0064		0.0001		NS		0.0001		NS		NS		0.0007	
LSD (P=.05)	128.24		1.772		0.155		0.0297		1.466		1.588		1.8687		72.52	
STD DEV	74.76		1.033		0.09		0.0173		0.854		0.926		1.0893		42.27	
CV %	6.97		2.23		1.91		1.63		3.14		1.14		2.11		7.64	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 17. Uniform Stacked-Gene Cotton Variety Trials, 2011
Burleson County¹**

**Cooperator: Joe and Jay Wilder
Dusty Tittle, County Extension Agent
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac)	
DP 1044 B2F	1587	a	43.1	bcd	4.6	ab	1.13	a	32.0	cd	82.2	c	53.77	a	853	a
PHY 499 WRF	1572	a	45.5	a	4.3	bc	1.10	a	33.7	ab	82.4	bc	53.65	a	843	ab
ATX 3039 B2F	1449	ab	43.7	a-d	4.4	bc	1.10	a	28.4	e	81.9	c	53.05	a	769	bc
ST 5458 B2F	1436	ab	42.4	cd	4.8	a	1.13	a	32.1	cd	81.6	c	52.97	a	759	cd
DP 1032 B2F	1342	bc	44.8	ab	4.5	abc	1.15	a	32.5	bcd	83.0	abc	53.87	a	723	cde
FM 1740 B2F	1325	bcd	41.9	de	4.5	abc	1.12	a	32.1	cd	82.3	c	53.77	a	712	c-f
ST 4498 B2F	1306	bcd	42.4	cde	4.4	bc	1.12	a	35.0	a	84.0	a	54.08	a	706	c-f
PHY 367 WRF	1278	cd	42.8	cd	4.2	cd	1.11	a	32.9	bc	81.5	c	53.53	a	684	def
NG 4012 B2RF	1243	cd	40.5	e	3.9	d	1.13	a	31.1	d	81.9	c	53.72	a	667	ef
CG 3787 B2F	1178	d	43.8	abc	4.6	ab	1.15	a	31.7	cd	83.8	ab	53.97	a	636	f
Mean	1371		43.1		4.4		1.12		32.2		82.5		53.64		735	
P>(F)	0.0003		0.0013		0.0046		0.0677		0.0001		0.0206		0.1208		0.0003	
LSD (P=.05)	155.34		1.87		0.363		0.0374		1.596		1.471		0.7895		81.89	
STD DEV	90.55		1.09		0.211		0.0218		0.931		0.858		0.4602		47.73	
CV %	6.6		2.53		4.77		1.94		2.89		1.04		0.86		6.49	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 18. Uniform Stacked-Gene Cotton Variety Trials, 2011
Medina County¹
Cooperator: Paul Aelvoet
Jason Ott, 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 499 WRF	3101	a	43.9	b	3.9	bc	1.19	bcd	32.2	a	84.3	a	54.18	a	1680	a
ST 5458 B2F	3019	ab	42.1	d	4.3	a	1.18	cde	31.4	ab	82.5	e	53.88	abc	1627	ab
DP 1044 B2F	3006	ab	42.4	d	3.7	cd	1.17	ef	30.6	bc	83.6	bcd	53.25	cd	1602	bc
CG 3787 B2F	2973	bc	45.2	a	3.7	cd	1.20	abc	29.0	d	83.7	abc	53.60	a-d	1594	bc
NG 4012 B2F	2877	cd	42.9	cd	3.9	bc	1.16	f	29.7	cd	83.2	cd	53.88	abc	1550	cd
ATX 3039 B2F	2924	bcd	43.3	bc	3.8	bcd	1.18	def	28.8	d	83.3	bcd	52.97	d	1549	cd
DP 1032 B2F	2897	bcd	43.8	b	3.6	d	1.22	a	30.6	bc	83.0	de	53.27	bcd	1544	cd
ST 4498 B2F	2845	d	42.1	d	4.0	b	1.17	ef	32.0	a	84.0	ab	54.05	ab	1538	cd
FM 1740 B2F	2800	d	42.2	d	4.0	bc	1.19	bcd	31.4	ab	83.8	abc	54.12	a	1515	de
PHY 367 WRF	2662	e	42.8	cd	3.8	bcd	1.20	ab	31.9	a	83.6	bcd	54.07	a	1439	e
Mean	2910		43.1		3.9		1.19		30.8		83.5		53.73		1564	
P>(F)	0.0001		0.0001		0.0025		0.0005		0.0001		0.0017		0.0373		0.0004	
LSD (P=.05)	126.35		0.897		0.293		0.0199		1.189		0.692		0.7845		76.53	
STD DEV	73.65		0.523		0.171		0.0116		0.693		0.404		0.4573		44.61	
CV %	2.53		1.22		4.42		0.97		2.25		0.48		0.85		2.85	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 19. Uniform Stacked-Gene Cotton Variety Trials, 2011
Milam County
Cooperator: Jay Beckhusen
Jon Gersbach, County Extension Agent and Jared Ripple – Extension Agent-IPM
Dr. Gaylon D. Morgan, Assistant Professor and Extension 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 499 WRF	218	a	50.6	a	4.9	b	0.98	a	27.8	ab	80.2	a	47.12	a	102	a
DP 1044 B2F	180	b	46.6	bcd	4.6	bc	0.98	a	25.4	bc	78.1	a	47.38	a	86	b
PHY 367 WRF	186	b	46.4	bcd	4.6	bc	0.97	a	23.9	cd	79.0	a	46.05	a	85	b
FM 1740 B2F	159	c	44.4	cde	4.1	cd	1.00	a	24.7	c	80.3	a	48.07	a	76	bc
ATX 3039 B2F	150	cd	46.9	bc	4.9	b	0.99	a	21.6	d	79.0	a	45.50	a	68	cd
ST 5458 B2F	146	cd	44.1	de	5.0	b	0.99	a	23.3	cd	78.1	a	44.85	a	66	d
CG 3787 B2F	130	de	43.7	e	4.4	bc	1.01	a	24.8	bc	80.0	a	48.77	a	63	d
ST 4498 B2F	138	cde	48.2	ab	5.6	a	1.01	a	29.0	a	81.3	a	45.60	a	63	d
NG 4012 B2F	129	de	42.6	e	3.8	d	1.01	a	23.5	cd	79.1	a	46.63	a	60	d
DP 1032 B2F	124	e	47.0	b	4.4	bcd	1.01	a	24.9	bc	79.7	a	48.10	a	60	d
Mean	156		46.0		4.6		1.00		24.9		79.5		46.81		73	
P>(F)	0.0001		0.0001		0.0004		NS		0.0033		NS		NS		0.0001	
LSD (P=.05)	21.06		2.56		0.584		0.0352		3.009		2.197		3.1296		10.22	
STD DEV	12.28		1.493		0.341		0.0205		1.754		1.281		1.8243		5.96	
CV %	7.87		3.24		7.33		2.06		7.04		1.61		3.9		8.16	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

**Table 20. Conventional Cotton Variety Trial, 2011
Hildago County¹
Cooperator: Lance Neuhaus
Brad Cowan, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
ARK 222-12	1369	a	45.3	a	4.8	a	1.13	ab	30.73	a	82.67	a	53.03	ab	724	a
FM 1740B2F	1313	a	44.7	a	4.6	a	1.10	bc	28.83	a	81.8	a	53.12	ab	697	a
SSG HQ212CT	1199	a	42.4	a	5.1	a	1.08	c	29.23	a	81.3	a	50.02	cd	595	a
SSG HQ210CT	1157	a	43.7	a	5.3	a	1.07	c	29.5	a	81	a	49.08	d	566	a
AT 7A21	1142	a	45.3	a	4.7	a	1.15	a	29.73	a	82.73	a	53.67	a	613	a
AT LA 122	1090	a	44.1	a	4.8	a	1.10	abc	28.13	a	82.53	a	52.23	abc	569	a
ARK 114-53	1087	a	44.6	a	5.0	a	1.10	abc	27.9	a	82.33	a	51.20	bcd	557	a
ARK 9803-23-04	1075	a	44.1	a	4.7	a	1.14	ab	30.13	a	82.5	a	53.70	a	577	a
Mean	1179		44.3		4.9		1.11		29.3		82.11		52.01		613	
P>F	0.101		0.4532		0.0696		0.0297		0.0625		0.2227		0.0054		0.055	
LSD (P=.05)	NS		NS		NS		0.0485		NS		NS		2.3692		NS	
STD DEV	127.89		1.621		0.273		0.0277		1.041		0.913		1.3528		67.0031	
CV%	10.85		3.66		5.57		2.5		3.56		1.11		2.6		10.94	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

ARK = University of Arkansas Experimental, AT =AllTex, SSG= Seed Source Genetics

**Table 21. Conventional Cotton Variety Trial, 2011
Nueces County
Cooperator: Ed Jungmann
Jeff Stapper, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
ARK 222-12	994	a	41.37	b	4.3	a	1.09	a	29.0	b	81.9	a	52.88	a	525	a
ARK 114-53	991	ab	39.5	c	4.4	a	1.05	b	28.2	bcd	81.2	ab	51.35	b	509	a
ARK 9803-23-04	963	ab	39.9	bc	4.2	a	1.10	a	31.1	a	81.8	a	53.47	a	516	a
SSG HQ210CT	935	abc	39.07	c	4.2	a	1.01	c	28.2	bcd	79.4	c	48.92	c	458	b
SSG HQ212CT	921	bcd	38.47	c	4.1	a	1.00	c	28.2	bcd	79.4	c	48.82	c	449	b
AT LA122	919	bcd	43.8	a	4.3	a	1.01	c	27.5	cd	79.8	bc	49.03	c	450	b
SSG HQ120CT	890	cd	39.97	bc	4.7	a	1.01	c	27.0	d	81.5	a	49.68	c	442	b
AT 7A21	860	d	41.17	b	4.2	a	1.06	b	28.5	bc	81.0	ab	52.43	ab	451	b
Mean	934.21		40.4		4.3		1.04		28.5		80.8		50.82		475	
P>F	0.0142		0.0002		0.1174		0.0001		0.0009		0.0106		0.0001		0.0002	
LSD (P=.05)	72.22		1.645		NS		0.0224		1.416		1.566		1.36		33.67	
STD DEV	41.23		0.94		0.203		0.0128		0.809		0.894		0.7765		19.23	
CV%	4.41		2.33		4.72		1.23		2.84		1.11		1.53		4.05	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.
ARK = University of Arkansas Experimental, AT =AllTex, SSG= Seed Source Genetics

**Table 22. Conventional Cotton Variety Trial, 2011
Matagorda County
Cooperator: Hansen Farms
Brent Batechelor, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
AT LA122	1570	a	43.2	a	5.0	a	1.09	c	29.8	c	83.1	bc	52.57	ab	825	a
ARK 222-12	1551	ab	40.0	cd	5.0	a	1.16	a	32.4	ab	83.6	ab	51.77	a-d	803	abc
FM 1740B2F	1531	abc	40.3	bcd	4.9	a	1.08	cd	31.2	bc	82.4	c	52.57	ab	805	ab
SSG HQ210CT	1510	abc	39.8	d	5.1	a	1.05	e	30.5	c	80.5	e	50.20	cd	757	cd
SSG HQ212CT	1481	bcd	39.0	d	5.1	a	1.06	de	30.4	c	81.2	de	49.80	d	738	de
AT 7A21	1465	cde	42.1	ab	5.0	a	1.12	b	31.5	bc	83.6	b	52.50	ab	769	bcd
ARK 114-53	1425	de	41.7	abc	5.0	a	1.09	c	31.0	bc	82.6	bc	51.90	abc	739	de
LA 06307025	1391	ef	42.6	a	5.1	a	1.09	c	34.0	a	82.2	cd	50.82	bcd	707	e
ARK 9803-23-04	1318	f	40.1	cd	4.9	a	1.17	a	34.0	a	84.6	a	53.30	a	703	e
Mean	1471		41.0		5.0		1.1		31.64		82.6		51.71		760	
P>F	0.0001		0.0014		0.3053		0.0001		0.0014		0.0001		0.0269		0.0003	
LSD (P=.05)	81.2		1.792		NS		0.026		1.88		0.999		2.04		46.67	
STD DEV	46.92		1.035		0.126		0.015		1.086		0.577		1.18		26.96	
CV%	3.19		2.53		2.52		1.36		3.43		0.7		2.28		3.55	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.
ARK = University of Arkansas Experimental, AT =AllTex, FM = FiberMax, SSG= Seed Source Genetics

**Table 23. Liberty Link Cotton Variety Trial, 2011
Nueces County
Cooperator: Lawhon Farms
Jeff Stapper, County Extension Agent
Dr. Dan D. Fromme, Extension Agronomist**

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
FM 1845LLB2	944	a	40.1	a	4.4	a	1.15	a	32.4	a	83.0	ab	53.95	a	509	a
FM 835LLB2	878	b	39.4	a	3.8	c	1.13	b	31.2	b	83.3	a	54.12	a	475	b
FM 1773LLB2	853	bc	38.5	a	4.3	ab	1.12	b	30.2	c	82.4	bc	53.75	a	459	b
ST 4145LLB2	840	c	37.6	a	4.0	bc	1.06	c	28.9	d	81.6	c	51.50	b	433	c
Mean	879		38.9		4.1		1.11		30.7		82.6		53.33		469	
P>F	0.0014		0.1388		0.02		0.0005		0.0005		0.0061		0.0044		0.0004	
LSD (P=.05)	35.1		NS		0.307		0.0255		0.934		0.746		1.15		19.66	
STD DEV	17.55		1.123		0.154		0.0128		0.467		0.373		0.5764		9.84	
CV%	2.0		2.89		3.72		1.15		1.52		0.45		1.08		2.1	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

FM = FiberMax, ST = Stoneville

Table 24. Liberty Link Cotton Variety Trial, 2011

San Patricio County

Cooperator: Robert Reider

Duane Campion, County Extension Agent- Agriculture and Natural Resources

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

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
FM 1845LLB2	732.3	a	39.8	a	4.4	a	1.10	a	29.5	a	81.3	a	53.13	a	389	a
ST 4145LLB2	726.7	a	40.3	a	4.4	a	1.03	a	26.5	a	80.0	a	50.33	a	366	a
FM 1773LLB2	719.3	a	39.8	a	4.5	a	1.07	a	28.3	a	79.3	a	50.92	a	367	a
FM 835LLB2	635.7	a	39.6	a	4.0	b	1.09	a	29.0	a	81.5	a	53.08	a	337	a
Mean	704		39.9		4.3		1.07		28.3		80.5		51.87		365	
P>F	0.2242		0.337		0.0202		0.1211		0.3672		0.4049		0.2858		0.4546	
LSD (P=.05)	NS		NS		0.256		NS		NS		NS		NS		NS	
STD DEV	56.59		0.475		0.128		0.0336		2.02		1.732		1.9921		36.81	
CV%	8.04		1.19		2.97		3.14		7.14		2.15		3.84		10.09	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

FM = FiberMax, ST = Stoneville

Table 25. Liberty Link Cotton Variety Trial, 2011
Victoria County
Cooperator: Justin Leita
Joe Janak, County Extension Agent and Stephen Biles, Extension Agent-IPM
Dr. Dan D. Fromme, Extension Agronomist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
FM 1845LLB2	808	a	40.2	a	4.8	b	1.13	a	32.2	a	83.6	a	53.95	a	436	a
FM 1773LLB2	746	a	39.2	a	4.9	ab	1.11	a	31.4	a	81.7	a	53.70	a	401	a
ST 4145LLB2	744	a	40.5	a	5.0	a	1.08	a	28.9	b	82.8	a	50.38	b	375	a
FM 835LLB2	683	a	40.2	a	4.6	c	1.12	a	32.8	a	84.0	a	54.00	a	369	a
Mean	745		40.0		4.8		1.11		31.3		83.01		53.01		395	
P>F	0.2903		0.4793		0.0162		0.1614		0.0295		0.2167		0.0081		0.2563	
LSD (P=.05)	NS		NS		0.184		NS		2.098		NS		1.3565		90.17	
STD DEV	50.69		0.744		0.058		0.0169		0.659		0.857		0.4263		28.34	
CV%	6.8		1.86		1.2		1.52		2.11		1.03		0.8		7.17	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

FM = FiberMax, ST = Stoneville

Table 26. Liberty Link Variety Trial, 2011
Texas AgriLife Research Farm, Snook, Texas¹
Dr. Gaylon D Morgan, Assistant Professor and Extension 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	
BX 1254 LLB2	1460	a	44.0	a	4.2	a	1.15	bcd	28.5	cd	82.7	cd	53.50	a	781	A
BX 1252 LLB2	1347	a	43.0	ab	4.0	a	1.15	bcd	30.6	abc	82.9	c	53.87	a	725	a
BX 1244 GLB2	1296	a	41.3	c	3.8	a	1.18	ab	27.9	d	83.0	bc	53.52	a	694	a
ST 4145 LLB2	1225	a	42.2	bc	3.6	a	1.12	d	29.0	bcd	82.7	cd	53.38	a	654	a
FM 1845 LLB2	1200	a	39.2	de	3.8	a	1.20	a	31.8	a	84.1	a	54.07	a	649	a
FM 2989 GLB2	1185	a	39.9	d	3.9	a	1.15	bcd	29.4	bcd	82.8	cd	53.73	a	637	a
BX1245 GLB2	1154	a	39.2	de	3.6	a	1.18	abc	30.7	ab	84.2	a	53.37	a	617	a
FM 1773 LLB2	1085	a	37.2	f	3.8	a	1.14	cd	30.5	abc	82.0	d	53.73	a	583	a
FM 835 LLB2	985	a	38.0	ef	3.8	a	1.19	ab	30.8	ab	83.8	ab	53.92	a	532	a
Mean	1215		40.4		3.8		1.16		29.9		83.1		53.68		652	
P>(F)	NS		0.0001		NS		0.0078		0.02		0.0008		NS		NS	
LSD (P=.05)	294		1.36		0.43		0.037		2.11		0.87		0.776		163	
STD DEV	170.02		0.784		0.247		0.0214		1.22		0.505		0.4482		94.65	
CV %	13.99		1.94		6.45		1.84		4.08		0.61		0.84		14.51	

¹ Indicates the location was irrigated

² Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

BX = FiberMax Experimental, FM = FiberMax, ST = Stoneville

**Table 27. Meaney Monster Cotton Variety Trial, 2011
Texas AgriLife Research Farm, Corpus Christi, Texas
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
Rudy Alaniz, Technician and Clinton Livingston, Technician**

Variety	Lint (lbs/acre)		Turnout (%)		Mic		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499 WRF	1170	a	44.8	abc	4.5	d-h	1.05	k-r	31.1	a-f	82.5	a-f	52.01	c-m	607	a
BX 1262 B2F	966	b	41.4	k-q	4.1	m-r	1.06	i-q	30.1	d-j	81.1	h-q	52.35	b-j	506	b
PHY 375 WRF	949	bc	41.7	j-p	4.0	q-t	1.04	o-r	27.6	q-v	81.0	j-r	50.71	k-r	482	bc
ATX LA122	915	bcd	43.2	d-i	4.3	i-m	1.04	n-r	27.9	n-u	81.8	b-n	51.06	j-q	467	bcd
DP 1044 B2RF	907	b-e	41.7	j-p	4.2	l-p	1.03	qr	28.4	m-t	81.0	i-r	50.25	o-s	456	b-f
PHY 367 WRF	886	b-f	41.2	l-q	4.0	o-s	1.06	h-p	29.1	h-o	82.0	b-m	52.33	b-j	465	b-e
PHY 440 W	875	b-g	40.1	q-v	4.1	l-q	1.05	m-r	30.0	e-k	82.6	abc	51.46	f-p	450	c-h
DP 10R013132 R2	874	b-g	40.8	n-s	4.4	d-i	1.08	e-k	31.3	a-e	82.2	b-j	53.13	a-e	464	b-f
FM 1845 LLB2	871	b-h	38.8	v-y	4.1	m-r	1.12	bc	31.1	a-f	81.6	c-o	53.70	ab	467	bcd
AM 1511 B2RF	870	b-h	43.2	d-i	4.6	a-f	1.04	pqr	30.2	c-i	81.3	e-p	50.61	l-r	441	c-k
DP 0920 B2RF	866	c-i	41.9	i-o	4.6	a-f	1.05	k-r	27.8	o-u	81.3	f-p	51.29	g-q	444	c-k
ATX 81144 B2RF	865	c-i	40.3	p-u	3.5	x	1.15	ab	32.1	a	82.4	a-g	53.45	abc	462	b-f
PHY 565 WRF	862	c-i	42.8	e-k	4.3	i-m	1.08	e-j	31.7	ab	82.2	b-i	53.20	a-d	458	b-f
ATX 91239 B2RF	860	c-i	41.7	j-p	4.1	m-r	1.07	g-p	28.8	j-r	80.9	k-r	52.05	c-l	44	c-j
DP 1050 B2RF	859	c-i	44.9	ab	4.4	e-i	1.08	e-l	28.8	j-q	81.5	c-o	52.49	b-j	451	c-h
ATX 3039 B2RF	858	c-i	42.4	f-l	4.1	m-r	1.06	j-r	25.9	w	81.1	h-r	51.78	d-n	444	c-k
ATX 9C253	852	c-j	43.4	c-h	4.7	a	1.03	qr	29.7	g-m	81.6	c-o	49.94	qrs	425	d-n

ARK 222-12	850	d-j	40.8	n-t	4.0	p-s	1.09	d-h	30.4	b-h	82.0	b-l	53.29	abc	453	b-g
FM 2484 B2F	849	d-j	41.0	l-r	3.8	uvw	1.09	d-i	29.4	h-m	81.0	i-r	52.91	a-f	450	c-i
ATX 91226 B2RF	849	d-j	41.4	k-q	4.5	c-h	1.07	f-n	28.9	i-q	81.2	g-p	52.59	a-i	446	c-k
FM 1740 B2F	846	d-j	40.3	p-u	3.9	r-u	1.04	pqr	27.4	r-v	80.3	p-t	51.18	h-q	433	c-m
AM 1550 B2RF	846	d-j	42.4	f-l	4.4	d-i	1.04	n-r	27.0	t-w	81.4	e-p	51.03	j-q	432	c-m
ATX 91429 B2RF	842	d-k	43.8	a-e	4.2	j-n	1.07	e-m	26.4	vw	81.0	j-r	52.16	c-k	438	c-l
SSG HQ210CT	841	d-k	39.4	s-y	4.4	f-j	1.00	s	28.3	m-t	80.0	q-t	49.44	rs	416	d-o
ATX 9W2863	837	d-k	40.5	o-u	4.3	h-l	1.09	d-i	30.9	a-g	82.2	b-h	53.38	abc	448	c-k
ST 5458 B2RF	834	d-k	40.9	n-r	4.3	h-l	1.04	n-r	27.6	p-v	79.7	st	50.33	n-s	419	d-o
DP 10R052 B2R2	826	d-k	45.2	a	4.6	a-e	1.05	l-r	28.7	j-r	82.5	a-e	51.68	e-o	427	d-n
BX 1264 B2F	824	d-l	38.2	xy	3.8	t-w	1.03	rs	28.3	m-t	80.3	p-t	49.99	p-s	412	e-o
DP 0935 B2RF	823	d-l	43.0	d-j	4.5	d-h	1.03	qr	27.6	q-v	80.8	m-s	50.54	m-r	416	d-o
FM 9170 B2F	822	d-l	39.7	r-w	3.6	wx	1.09	d-i	29.0	h-p	80.9	l-s	52.74	a-g	433	c-m
ST 4288 B2F	814	e-m	39.4	s-y	4.5	b-g	1.06	j-r	26.8	uvw	81.2	h-p	51.24	g-q	417	d-o
ARK 114-53	814	e-m	40.9	m-r	4.5	b-g	1.07	g-p	28.7	k-r	82.7	abc	52.43	b-j	427	d-n
ST 4145 LLB2	805	f-m	38.6	wxy	4.1	n-r	1.04	pqr	27.4	r-v	80.5	o-t	51.18	h-q	412	e-o
ATX 7A21	800	f-m	42.3	g-m	4.1	l-q	1.07	e-m	29.5	h-m	81.4	d-p	52.71	a-g	422	d-n
FM 1773 LLB2	790	f-n	38.3	wxy	4.2	l-p	1.10	c-f	29.2	h-n	81.3	e-p	53.16	a-e	420	d-o
SSG HQ212CT	786	g-n	39.6	r-x	4.2	k-o	1.00	s	28.5	m-s	79.6	t	49.03	s	385	m-p
FM 840 B2F	786	g-n	39.2	u-y	3.9	s-v	1.15	a	32.1	a	83.5	a	54.08	a	425	d-n

BX 1261 B2F	778	g-n	38.6	wxy	4.1	n-r	1.08	e-j	30.0	e-l	81.9	b-m	53.03	a-e	413	e-o
FM 9160 B2F	776	h-n	41.3	l-q	3.8	uvw	1.09	d-g	28.6	l-r	82.2	b-j	53.08	a-e	412	f-o
NG 4012 B2RF	772	i-n	40.8	n-s	4.0	o-s	1.05	m-r	27.2	s-w	81.1	h-q	51.11	i-q	395	k-p
ARK 9803-23-04	772	i-n	40.8	n-t	3.9	r-u	1.11	cd	31.6	abc	81.8	b-n	53.70	ab	414	e-o
LA06307025	759	j-n	44.1	a-e	4.7	abc	1.08	e-k	31.5	a-d	81.9	b-m	52.65	a-h	340	g-p
DP 10R051 B2R2	759	j-n	44.1	a-e	4.5	b-g	1.07	f-o	29.2	h-n	82.2	b-h	52.44	b-j	397	i-p
ATX 91322 B2RF	754	j-n	40.8	n-s	4.2	l-p	1.07	e-m	27.9	n-u	80.6	n-t	52.50	b-j	396	j-p
ATX 91132	754	j-n	39.4	t-y	4.1	m-r	1.10	cde	27.8	o-u	79.9	rst	52.88	a-f	399	h-p
PHY 569 WRF	746	k-n	40.6	n-u	4.4	e-i	1.05	k-r	30.2	c-i	82.6	a-d	51.95	c-m	387	l-p
DP 1028 B2RF	745	k-n	43.8	b-f	4.6	a-d	1.05	m-r	28.7	j-r	81.7	b-n	51.30	g-q	381	m-p
FM 835 LLB2	726	lmn	38.0	y	3.7	vw	1.12	cd	29.9	f-l	82.9	ab	53.33	abc	387	l-p
DP 1133 B2RF	723	mn	44.3	a-d	4.7	ab	1.07	g-p	30.0	e-l	81.9	b-m	52.06	c-l	376	nop
DP 1048 B2RF	698	n	43.6	b-g	4.4	g-k	1.08	e-l	29.2	h-n	82.1	b-k	52.71	a-g	368	op
DP 10R020 B2R2	696	n	42.0	h-n	4.4	f-j	1.04	o-r	26.8	uvw	81.8	b-m	50.59	l-r	352	p
Mean	828		41.4		4.2		1.07		29.1		81.5		51.96		430	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	
LSD (P=.05)	97.98		1.438		0.192		0.0292		1.387		1.191		1.5058		53.03	
STD DEV	69.98		1.027		0.137		0.0209		0.99		0.851		1.0755		37.87	
CV%	8.45		2.48		3.27		1.96		3.41		1.04		2.07		8.8	

1 Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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

Table 28. Matagorda Monster Cotton Variety Trial, 2011
Matagorda County
Cooperator: Hansen Farms
Brent Batechelor, County Extension Agent- Agriculture and Natural Resources
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
Rudy Alaniz, Technician
Clinton Livingston, Technician

Variety	Lint (lbs/acre)		Turnout (%)		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499 WRF	1723	a	44.8	a	5.0	a-d	1.06	q-t	32.7	a-f	82.9	a-i	51.04	kl	880	a
PHY 569 WRF	1550	ab	40.3	lmn	4.8	d-h	1.06	p-t	31.5	g-l	82.6	c-k	51.98	e-k	807	abc
ATX 91239 B2RF	1521	abc	41.5	e-j	4.7	g-l	1.10	h-m	30.0	n-t	81.9	i-o	53.25	a-e	810	ab
PHY 375 WRF	1512	a-d	41.7	e-i	4.8	d-i	1.08	m-r	29.7	o-t	82.6	c-k	52.80	a-g	799	a-d
DP 10R051 B2R2	1503	a-e	44.0	ab	4.8	d-i	1.09	h-n	29.8	o-t	82.4	e-m	53.24	a-e	800	a-d
DP 1028 B2RF	1484	a-f	43.9	ab	4.8	d-i	1.10	g-m	29.5	r-v	83.3	a-f	53.40	a-d	793	a-e
ATX 9C253	1484	a-f	42.3	c-g	5.1	abc	1.06	p-t	31.0	i-n	82.2	g-o	49.91	l	740	b-k
ATX LA122	1482	a-f	42.2	c-g	4.8	d-h	1.08	l-q	29.6	q-u	82.6	c-k	52.93	a-g	784	a-f
DP 1050 B2RF	1476	a-f	43.7	ab	4.7	g-l	1.09	i-n	29.7	p-u	81.8	j-o	52.86	a-g	782	a-f
PHY 440 W	1470	a-f	39.8	mno	5.0	a-d	1.08	m-r	32.0	c-j	83.3	a-f	51.98	e-k	765	a-h
ATX 81144 B2RF	1443	b-g	40.5	j-n	4.2	qrs	1.16	a	33.8	a	83.5	a-e	54.06	a	780	a-f
DP 10R052 B2R2	1443	b-g	44.5	a	4.8	d-h	1.08	l-r	29.6	q-u	82.4	f-n	52.80	a-g	763	a-i
ATX 91322 B2RF	1442	b-h	40.3	lmn	4.5	k-p	1.12	c-h	31.6	f-l	82.6	c-k	53.75	abc	775	a-g
DP 0935 B2RF	1440	b-h	41.7	e-i	4.6	h-n	1.05	rst	29.6	q-u	81.5	l-p	51.64	g-k	742	a-j
ATX 3039 B2RF	1412	b-i	42.3	c-f	4.7	g-l	1.06	q-t	27.2	w	81.3	op	50.69	kl	716	b-n
DP 1133 B2RF	1405	b-i	44.7	a	5.1	abc	1.1	h-m	32.7	a-g	83.1	a-h	51.35	h-k	722	b-m

ST 4145 LLB2	1399	b-i	40.2	lmn	4.7	f-k	1.09	k-p	29.3	r-v	83.2	a-g	52.48	c-j	735	b-l
BX 1264 B2F	1365	b-i	38.6	pq	4.7	f-k	1.09	j-o	30.8	k-q	82.8	b-j	53.14	a-f	725	b-m
FM 1845 LLB2	1360	b-j	38.8	opq	4.5	k-p	1.14	a-e	33.1	abc	82.5	d-l	53.71	abc	731	b-m
PHY 565 WRF	1347	b-j	39.9	mn	4.7	e-j	1.09	h-n	32.7	a-g	82.8	b-j	53.36	a-e	720	b-n
ATX 91226 B2RF	1332	b-k	41.4	f-k	5.0	a-d	1.09	h-n	29.8	o-t	82.4	e-m	52.09	d-k	693	b-n
ATX 9W2863	1331	b-k	40.1	mn	5.2	a	1.13	a-f	32.7	a-g	82.9	b-j	51.08	jkl	681	b-n
NG 4012 B2RF	1327	b-k	41.5	e-j	4.4	l-q	1.09	k-p	30.2	m-s	81.6	k-p	52.58	b-i	698	b-n
DP 1048 B2RF	1309	b-k	42.5	cde	4.7	e-j	1.10	h-m	29.5	r-v	82.8	b-j	53.15	a-f	697	b-n
DP 10R013132 R2	1304	b-k	40.8	i-m	5.2	ab	1.12	c-h	32.5	b-g	83.0	a-h	51.70	g-k	674	b-n
FM 9160 B2F	1298	b-k	40.4	k-n	4.4	l-q	1.11	e-k	29.9	n-t	83.2	a-g	53.54	abc	695	b-n
LA06307025	1287	c-k	42	d-g	4.9	c-g	1.12	d-i	32.7	a-g	83.4	a-f	53.28	a-e	685	b-n
DP 0920 B2RF	1287	c-k	41.9	e-h	5.0	a-d	1.08	l-q	28.9	tuv	82.6	c-k	50.90	kl	655	e-n
ARK 114-53	1280	c-k	40.6	j-m	5.1	abc	1.09	k-p	29.5	r-v	82.6	c-k	51.38	h-k	657	e-n
ARK 222-12	1280	c-k	40.1	mn	4.6	g-m	1.14	a-d	32.8	a-e	83.6	abc	53.93	ab	690	b-n
FM 1740 B2F	1275	c-k	40.2	lmn	4.5	j-p	1.08	l-r	30.3	m-r	82.1	h-o	52.86	a-g	675	b-n
DP 1044 B2RF	1274	c-k	40.3	lmn	4.4	l-q	1.08	l-q	30.8	j-o	826	c-k	53.04	a-g	676	b-n
ST 5458 B2RF	1268	c-k	40.9	h-m	4.7	e-j	1.09	i-n	30.9	j-o	81.5	m-p	52.65	a-h	668	c-n
ARK 9803-23-04	1268	c-k	40.0	mn	5.0	a-d	1.15	abc	32.9	a-d	83.8	ab	52.88	a-g	670	c-n
AM 1550 B2RF	1258	d-k	41.2	g-l	4.9	c-g	1.06	o-s	28.5	uv	83.1	a-h	51.23	i-l	647	f-n
BX 1262 B2F	1258	d-k	39.9	mno	4.7	f-k	1.08	l-q	31.6	e-k	82.2	g-o	53.16	a-f	668	c-n
FM 2484 B2F	1253	e-k	40.8	h-m	4.2	rs	1.15	ab	32.2	b-i	82.6	c-k	53.94	ab	676	b-n
SSG HQ212CT	1246	f-k	38.4	qr	4.8	c-h	1.05	rst	30.3	m-r	81.3	nop	51.25	h-l	640	g-n

ATX 7A21	1245	f-k	40.5	j-n	4.3	p-s	1.11	e-k	30.8	k-p	82.6	c-k	53.58	abc	667	d-n
ST 4288 B2F	1241	f-k	38.4	qr	4.6	i-o	1.12	d-j	30.2	m-s	82.9	b-j	53.51	abc	664	d-n
AM 1511 B2RF	1238	f-k	43.1	bc	5.1	abc	1.04	st	31.3	h-m	82.2	g-o	49.88	l	618	j-n
BX 1261 B2F	1236	f-k	37.9	qr	4.3	n-r	1.10	g-m	31.1	i-n	82.4	f-n	53.48	a-d	661	d-n
ATX 91429 B2RF	1232	f-k	43.0	bcd	4.8	d-i	1.10	g-m	29.1	s-v	82.4	f-n	53.18	a-f	656	e-n
PHY 367 WRF	1213	g-k	40.5	j-n	4.4	m-r	1.11	f-l	31.8	d-k	83.0	a-h	53.36	a-e	648	f-n
CG 3220 B2RF	1205	g-k	40.2	mn	4.9	b-e	1.08	l-q	30.4	l-r	82.8	b-j	51.78	f-k	624	i-n
SSG HQ210CT	1191	g-k	38.1	qr	4.9	c-f	1.03	t	29.7	o-u	80.7	p	49.89	l	595	mn
FM 840 B2F	1187	h-k	38.6	pq	4.6	g-m	1.16	a	33.3	ab	83.9	a	54.00	a	644	g-n
DP 10R020 B2R2	1184	ijk	40.0	mn	4.9	c-g	1.07	n-s	28.4	vw	82.9	a-i	51.01	kl	602	k-n
FM 9170 B2F	1179	ijk	39.5	nop	4.1	s	1.14	a-d	32.3	b-h	82.8	b-j	53.90	ab	636	h-n
FM 835 LLB2	1107	jk	38.0	qr	4.3	o-s	1.13	b-g	32.5	b-g	83.5	a-d	54.05	a	598	lmn
FM 1773 LLB2	1082	k	37.5	r	4.5	j-p	1.14	a-e	31.3	h-m	82.2	g-o	53.70	abc	581	n
Mean	1332		40.9		4.7		1.10		30.9		82.6		52.55		700	
P>F	0.0013		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0051	
LSD (P=.05)	254.6		1.051		0.238		0.0298		1.195		1.058		1.42		139.06	
STD DEV	181.82		0.751		0.17		0.0213		0.854		0.756		1.017		99.32	
CV%	13.65		1.84		3.62		1.94		2.77		0.92		1.94		14.19	

¹ Lint values were calculated using the 2011 Upland Cotton Loan Valuation Model from Cotton Incorporated.

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



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