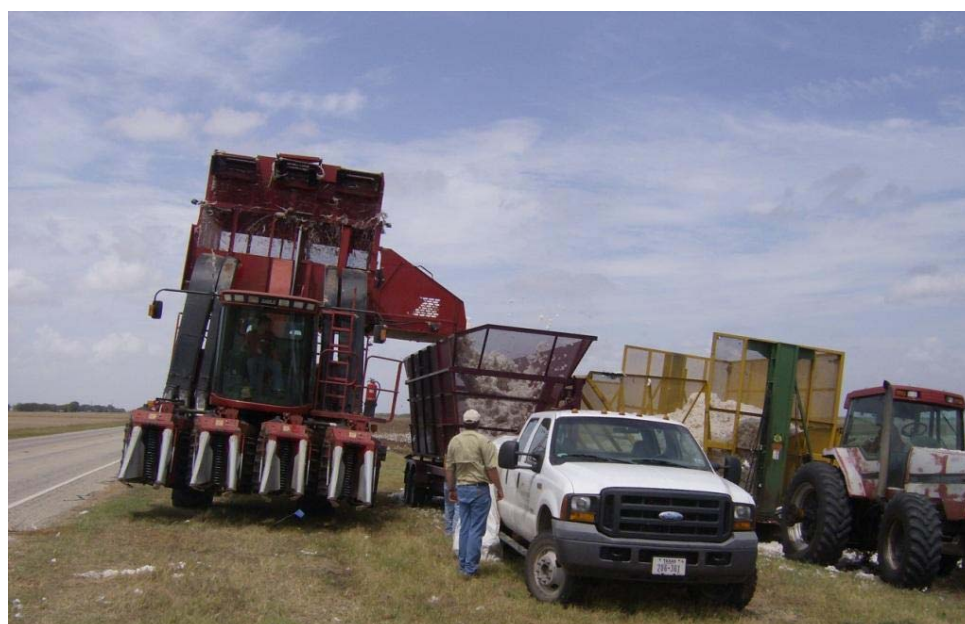


REPLICATED AGRONOMIC COTTON EVALUATION (RACE)

SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2012



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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.

Appreciation is extended to the **Texas Department of Agriculture** for funding that supports the fiber grading/analysis performed at the Fiber and Biopolymer Research Institute in Lubbock. Without this support, these trials would not be possible. Also, appreciation is extended to all of the local cooperators who take time to plant, manage and harvest all of these trials with their own equipment. Finally, we would like to extend our appreciation to **Cotton Incorporated** through the **Texas State Support Committee** for their partial funding of these trials.

2012 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 6.6 million acres of cotton in 2012 which was about 0.5 million less than 2011. In the east/south Texas regions (Lower Rio Grande Valley, Southern and Northern Blacklands, South Texas/Wintergarden and Upper Coastal Bend), 1.11 million acres were planted in 2012.

Transgenic varieties accounted for 99% of the state acreage in 2012 which is up from 86% in 2011. According to the USDA-Agricultural Marketing Service "Cotton Varieties Planted 2012 Crop" survey, the estimated percentage of upland cotton planted to specific Brands in Texas are as follows, Alltex had 8.6%, Americot/NexGen had 18.6%, Bayer CropScience – FiberMax had 40%, Bayer CropScience – Stoneville had 2.3%, Croplan Genetics had 0.3%, Delta Pine had 19%, Dyna-Grow had 2.4%, FiberMax had 45%, PhytoGen had 8.4% and other at 0.4%.

To assist Texas cotton producers in remaining competitive in the Lower Rio Grande Valley, Blacklands, South Texas/Wintergarden and Upper Coastal Bend regions, the Texas A&M AgriLife Extension Service-Cotton Agronomy program has been

conducting, large plot, on-farm, replicated variety trials for the past eight years (Figure 2). This approach provides a good foundation of information that can be utilized to assist the variety selection process.

Twenty-two Replicated Agronomic Cotton Evaluation (RACE) Trials were planted in 2012 and are listed in Table 1. The 2012 season began with good rainfall prior to cotton planting, but beginning mid- March, the rainfall events were poorly timed. In general, it remained relatively dry through late May when some areas began to receive some isolated rainfall events. Isolated rain showers occurred periodically through early July. Some isolated locations received suffered some fruit loss due to extended, cloudy-wet conditions in early July which had a negative effect on yields and delaying crop maturity. Despite the challenges of 2012, some great yields were obtained in the Upper Coastal Bend, Winter Garden, and other isolated areas that received some timely rains. The exception to this general 2012 season summary is the Coastal Bend of Texas, very little precipitation fell and the majority of the cotton was not harvested.

Mean location yields ranged from 2658 lbs/ac for the Weslaco irrigated location to 596 lbs/ac for the Williamson Co dryland location. The highest yielding dryland location was Colorado Co, with a mean yield of 1844 lbs/ac.

All the cotton seed companies with RoundupFlex[®] or Glytol[®] and Bt2[®] or Widestrike[®] technology had the opportunity to include at least one variety in the RACE trial at each location. All varieties were treated with either Aeris or Avicta Complete Pak seed treatment. Included in this publication are the cotton variety descriptions provided by company. See descriptions on page 8-10.

In addition to the RACE trials, a Liberty Link (LL), and two Monster cotton variety trials were conducted in 2012 and the final yields and grades from these are included in this publication. Table 1 provides a list of planting and harvest dates, row spacing and plot area for each location. Tables 2-5 shows numerical rankings based upon lint yield for the varieties across all locations. Only varieties that were planted at a minimum of three locations for the Lower Rio Grande Valley (Table 2) and Coastal Bend Counties (Table 3), seven locations for the Upper Coastal Bend (Table 4), and three locations for the Central Blacklands County locations (Table 5) were included in these four tables. Tables 6 to 27 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 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-significance is represented as “NS” and indicates no differences among the varieties within the data column at a 5% significance level.

Varieties that are statistically different from one another will not have the same letter next to the corresponding number value in a column. For example, Table 6 (Uniform Stacked-Gene Cotton Variety Trial in Cameron county) lint yields for DP 1252 B2RF (1404 lbs of lint/acre) and PHY 499 WRF (1305 lbs of lint/acre) are both followed by a like letter, “a”, and thus are considered significantly similar for yield. However, DP 1252 B2RF (1404 lbs of lint/acre) and CG 3787 B2RF (1230 lbs of lint/acre) do not have a like letter following each of them and are therefore considered significantly different from one another.

Figure 1.



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 2012 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.

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 0935 B2RF

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

DeltaPine 0949 B2RF

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

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

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

DeltaPine 1219 B2RF

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

DeltaPine 1252 B2RF

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

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 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 2989 GLB2

- 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 8270 GLB2

- 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

Phytogen 367 WRF

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

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 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.

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 5458 B2RF

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

Table 1. Trial, cooperater, planting date, harvest date, row spacing, plot dimensions and area of 2012 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
Cameron (B2F)	James Bauer	Mar 27	Aug 16	40	12 rows x 1274 feet	Irrigated	1.17
Hildago (B2F)	Richard Drawe	Mar 25	Aug 15	40	12 rows x 1200 feet	Irrigated	1.10
Weslaco (B2F)	TX AgriLife Research Farm	Mar 8	Jul 23	40	2 rows x 40 feet	Irrigated	0.006
Willacy (B2F)	McDonald Farms	Mar 26	Aug 14	36	8 rows x 1221 feet	Irrigated	0.67
Corpus Christi - Drip (B2F)	TX AgriLife Research Farm	Mar 13	Aug 16	38	2 rows x 35 feet	Drip Irrigated	0.005
Corpus Christi - Dryland (B2F)	TX AgriLife Research Farm	Mar 13	Jul 12	38	2 rows x 35 feet	Dryland	0.005
Calhoun (B2F)	Mike Hahn	Apr 10	Aug 21	38	6 rows x 2370 feet	Dryland	1.03
DeWitt (B2F)	Ben and Harvey Hahn	Mar 27	Aug 8	38	4 rows x 826 feet	Dryland	0.24
San Patricio (B2F)	Robert Rieder	Apr 4	Aug 7	38	6 rows x 2400 feet	Dryland	1.05
Victoria (B2F)	Justin Leita	Apr 12	Aug 17	38	6 rows x 1530 feet	Dryland	0.67
Jackson (B2F)	Sappington Farms		Aug 28	30	8 rows x 1250ft	Dryland	0.57
Matagorda (B2F)	Hansen Farms	Apr 14	Sep 9	40	8 rows x 1120ft	Dryland	0.69
Wharton (B2F)	Kresta Farms	Apr 28	Aug 27	40	6 rows x 1450 ft	Dryland	0.67

County	Cooperator	Planting Date	Harvest Date	Row Spacing (inches)	Plot Dimensions	Irrigated or Dryland	Area harvested/plot
Fort Bend (B2F)	Alan and Lisa Stasney	Apr 27	Sep 22	36	6 rows x 1240 ft	Irrigated	0.51
Colorado (B2F)	Mahalitc Farms	Apr 8	Sep 9	36	8 rows x 975 ft	Dryland	.054
Burleson (B2F)	Wilder Farms	Apr 23	Oct 8	40	4 rows x 1000 ft	Irrigated	0.31
Williamson (B2F)	Greg and Adam Shirocky	Apr 12	Aug 29	30	6 rows x 2786	Dryland	0.96
Milam (B2F)	Jay Beckhusen	Apr 18	Sep 5	30	4 rows x 1355 ft	Dryland	0.31
Navarro (B2F)	Danny Ferrer	Apr 11	Sep 6	38	6 rows x 600 ft	Dryland	0.26
Victoria (LibertyLink®B2)	Justin Leita	Apr 12	Aug 17	38	6 rows x 780 ft	Dryland	0.34
Nueces (Monster-Conventional Varieties)	TX AgriLife Research Farm	Mar 13	Jul 20	38	2 rows x 35 ft	Dryland	0.005
Matagorda (Monster-Conventional Varieties)	Hansen Farms	Apr 26	Sept 4	40	2 rows x 35 ft	Dryland	0.005

Table 2. Variety ranking based on lint value/acre, Lower Rio Grande, 2012.

Variety	Trial				Mean
	Cameron ¹	Hildago ¹	Weslaco ¹	Willacy ¹	
DP 1044B2F	2	3	5	1	2.8
PHY 367WRF	3	5	4	3	3.8
DP 1252B2F	1	-	4	7	4.0
NG 1511B2RF	10	1	1	5	4.3
FM 2989GLB2	4	4	9	2	4.8
FM 1944GLB2	5	2	8	4	4.8
PHY 499WRF	6	6	2	10	6.0
AT Nitro 44B2RF	9	8	3	9	7.3
CG 3787B2RF	8	-	6	8	7.3
FM 8270GLB2	7	7	10	6	7.5

¹Indicates the location was irrigated.

Table 3. Variety ranking based on lint yield, Coastal Bend Counties, 2012.

Variety	Trial			Mean
	Nueces	San Patricio	DeWitt	
PHY 375WRF	1	1	4	2.0
PHY 499WRF	2	3	1	2.0
DP 1219B2RF	4	5	3	4.0
DP 1044B2RF	5	2	6	4.3
NG 1511B2RF	7	4	2	4.3
FM 8270GLB2	3	9	10	7.3
CG 3787B2RF	9	6	7	7.3
AT NITRO 44B2RF	10	7	5	7.3
ST 5458B2RF	8	8	8	8.0
FM 1944GLB2	6	10	9	8.3

Table 4. Variety ranking based on lint yield¹, Upper Gulf Coast Counties, 2012.

Variety	Trial							Mean
	Calhoun	Victoria	Jackson	Matagorda	Wharton	Fort Bend ¹	Colorado	
PHY 499WRF	1	2	2	1	1	1	1	1.3
NG 1511B2RF	5	3	3	4	4	4	2	3.6
CG 3787B2RF	2	5	4	5	5	2	3	3.7
AT Nitro 44B2RF	3	8	8	2	2	3	5	4.4
FM 1944GLB2	4	7	7	3	3	5	7	5.1
DP 1044B2RF	8	1	1	8	6	8	6	5.4
ST 5458B2RF	7	6	5	6	7	7	4	6.0
PHY 375WRF	6	4	6	7	8	6	8	6.4

¹ Indicates the location was irrigated.

Table 5. Variety ranking based on lint yield, Blacklands and Brazos Bottom Regions of Texas, 2012.

Variety	Trial			Mean ¹	Burlleson
	Milam	Navarro	Williamson		
PHY 499WRF	1	1	1	1.0	2
NG 1511B2RF	2	2	2	2.0	1
PHY 375WRF	5	4	3	4.0	5
DP 1044B2F	3	6	4	4.3	4
ST 5458 B2F	4	5	6	5.0	3
AT Nitro 44B2RF	6	3	7	5.3	7
FM 1944GLB2	8	8	5	7.0	6
FM 2989GLB2	7	7	8	7.3	8

¹Note that Burlleson County ranking data is not included in the mean rankings. The mean rankings only include the 3 Blackland locations, Milam, Navarro and Williamson locations.

**Table 6. Uniform Stacked-Gene Cotton Variety Trials, 2012
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 1252B2F	1404	a	47.9	a	5.3	a	1.11	cd	30.8	cd	83.2	c	50.62	d	711	a
DP 1044B2F	1373	ab	44.0	d	5.1	bc	1.13	c	30.5	de	84.3	abc	51.43	bc	707	a
PHY 367WRF	1339	abc	44.3	d	5.1	bc	1.13	c	31.2	cd	83.6	bc	51.50	bc	689	ab
FM 2989GLB2	1331	abc	42.4	fg	5.1	bc	1.17	b	32.1	bc	83.2	c	51.58	bc	686	ab
FM 1944GLB2	1311	a-d	43.1	ef	5.1	bc	1.18	ab	32.1	bc	84.1	bc	51.67	bc	678	ab
PHY 499WRF	1305	a-d	46.6	b	5.2	ab	1.10	cd	33.0	ab	84.1	bc	51.22	c	669	ab
FM 8270GLB2	1251	bcd	41.7	g	5.0	c	1.16	b	33.1	ab	85.8	a	51.87	b	649	abc
CG 3787B2RF	1230	cd	46.8	b	5.1	bc	1.13	c	29.3	e	84.1	bc	51.20	c	630	bc
AT Nitro 44B2RF	1188	d	43.7	de	4.6	d	1.20	a	34.0	a	84.9	ab	54.08	a	642	abc
NG 1511 B2RF	1175	d	45.5	c	5.30	a	1.09	d	32.90	ab	83.17	c	50.02	e	588	c
Mean	1291		44.6		5.1		1.14		31.9		84.0		51.52		665	
P>F	0.0324		0.0001		0.0001		0.0001		0.0001		0.05		0.0001		0.0357	
LSD (P=.05)	138		0.821		0.161		0.03		1.464		1.566		0.5734		68.98	
STD DEV	80.40		0.48		0.09		0.02		0.85		0.91		0.33		40.21	
CV%	6.23		1.07		1.85		1.53		2.67		1.09		0.65		6.05	

¹ Indicates the location was irrigated

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

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

**Table 7. Uniform Stacked-Gene Cotton Variety Trials, 2012
Hidalgo 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 1252B2F	1471	a	48.0	a	5.0	d	1.13	c	31.4	cd	85.3	bc	52.45	b	771	a
CG 3787B2RF	1419	ab	46.8	ab	5.0	cd	1.14	c	30.0	d	85.1	bc	52.35	bc	742	ab
NG 1511B2RF	1407	abc	46.2	b	5.4	a	1.14	c	33.0	b	84.8	c	50.62	e	712	a-d
FM 1944GLB	1404	abc	41.9	d	5.2	b	1.21	a	32.4	bc	84.7	c	51.72	b-e	726	abc
DP 1044 B2F	1389	abc	43.9	c	5.2	b	1.13	c	31.4	cd	84.9	c	51.30	cde	712	a-d
FM 2989 GLB2	1335	a-d	41.4	d	5.2	b	1.17	b	32.3	bc	84.6	c	50.98	de	680	bcd
PHY 367 WRF	1276	bcd	43.5	c	5.1	bc	1.13	c	31.8	bc	84.8	c	51.73	bcd	660	cd
PHY 499 WRF	1274	cd	46.5	ab	5.3	ab	1.12	c	33.1	b	85.7	ab	51.43	b-e	655	cd
FM 8270GLB2	1243	d	41.4	d	5.0	cd	1.18	b	33.1	b	85.0	c	51.80	bcd	644	d
AT Nitro 44B2RF	1221	d	42.7	cd	4.7	e	1.23	a	35.1	a	86.2	a	54.22	a	662	cd
Mean	1344		44.2		5.1		1.16		32.4		85.1		51.86		697	
P>F	0.0191		0.0001		0.0001		0.0001		0.0002		0.004		0.0002		0.029	
LSD (P=.05)	144		1.563		0.15		0.0261		1.503		0.704		1.1073		75.2797	
STD DEV	84.00		0.91		0.09		0.02		0.88		0.41		0.65		43.88	
CV%	6.25		2.06		1.71		1.31		2.71		0.48		1.24		6.30	

¹ Indicates the location was irrigated

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

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

**Table 8. Uniform Stacked-Gene Cotton Variety Trials, 2012
Texas A&M AgriLife Research & Extension Center-Hiler Farm
Weslaco, Texas¹**

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	
NG 1511B2RF	2848	a	44.9	a	4.73	a	1.16	d	32.10	bc	84.25	a	53.94	c	1536	a
PHY 499WRF	2834	ab	44.4	a	4.65	a	1.15	d	33.10	ab	85.2	a	54.14	ab	1534	ab
AT Nitro 44B2RF	2800	abc	41.9	b	3.9	e	1.25	a	33.83	a	85.35	a	54.28	a	1520	abc
DP 1252B2RF	2733	abc	45.3	a	4.53	ab	1.15	d	30.98	cd	84.53	a	53.98	bc	1475	abc
DP 1044B2RF	2702	abc	41.2	bc	4.38	bc	1.15	d	30.33	d	84.68	a	53.93	c	1457	abc
CG 3787B2RF	2627	bcd	44.2	a	4.63	a	1.19	bc	30.50	d	84.85	a	53.93	c	1416	bcd
PHY 367WRF	2625	bcd	42.0	b	4.18	cd	1.18	cd	32.15	bc	84.98	a	54.20	a	1423	a-d
FM 1944GLB2	2605	cd	40.9	bc	4.23	cd	1.21	b	32.68	ab	83.58	a	54.00	bc	1407	cd
FM 2989GLB2	2460	de	40.0	c	4.38	bc	1.19	bc	30.28	d	83.75	a	53.88	c	1325	de
FM 8270GLB2	2347	e	40.1	c	4.05	de	1.21	b	33.28	ab	84.9	a	54.25	a	1273	e
Mean	2658		42.5		4.36		1.18		31.9		84.6		54.05		1437	
P>F	0.0011		0.0001		0.0001		0.0001		0.0001		0.0604		0.0004		0.0009	
LSD (P=.05)	220.47		1.249		.217		0.0303		1.456		NS		0.187		117.48	
STD DEV	151.95		0.861		0.15		0.0209		1.003		.804		0.1289		80.9636	
CV%	5.72		2.03		3.43		1.77		3.14		0.95		0.24		5.64	

¹ Indicates the location was irrigated

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

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

**Table 9. Uniform Stacked-Gene Cotton Variety Trials, 2012
Willacy County¹**

Cooperator: McDonald Farms

Omar Gonzales, County Extension Agent-Agriculture and Natural Resources- Willacy County

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 1044 B2RF	1564	a	43.4	de	4.70	cd	1.16	c	32.23	cd	84.60	a	54.00	ab	844	a
FM 2989 GLB2	1514	ab	41.9	f	4.83	bc	1.19	bc	31.63	cde	84.30	a	53.23	ab	806	ab
PHY 367 WRF	1476	ab	45.3	bc	4.63	cd	1.17	bc	32.07	cd	85.40	a	54.07	ab	798	abc
FM 1944 GLB2	1432	bc	43.5	de	4.93	ab	1.16	bc	30.83	def	84.17	a	53.05	bc	760	bcd
NG 1511 B2RF	1401	bc	46.8	ab	5.10	a	1.14	c	32.57	bc	85.53	a	51.83	c	726	de
FM 8270 GLB2	1352	cd	42.1	ef	4.66	cd	1.21	b	34.64	a	86.40	a	54.44	a	736	cde
DP 1252 B2RF	1341	cd	47.8	a	4.66	cd	1.16	bc	29.54	f	85.75	a	53.99	ab	724	de
CG 3787 B2RF	1272	de	46.5	ab	4.61	d	1.17	bc	30.28	ef	84.49	a	54.08	ab	688	ef
AT Nitro44B2RF	1272	de	43.5	de	4.26	e	1.27	a	34.18	ab	85.07	a	54.35	a	691	ef
PHY 499 WRF	1202	e	44.3	cd	4.93	ab	1.18	bc	32.17	cd	84.77	a	53.27	ab	640	f
Mean	1383		44.5		4.73		1.18		32.0		85.1		53.63		741	
P>F	0.0001		0.0001		0.0001		0.011		0.0003		0.0901		0.0143		0.0001	
LSD (P=.05)	117.8		1.479		0.202		0.0568		1.671		NS		1.29366		64.98	
STD DEV	68.65		0.862		0.115		0.0324		0.954		0.834		0.75412		37.8806	
CV%	4.97		1.94		2.44		2.74		2.98		0.98		1.41		5.11	

¹ Indicates the location was irrigated

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

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

**Table 10. Uniform Stacked-Gene Cotton Variety Trials, 2012
Texas A&M AgriLife Research and Extension Center
Corpus Christi, Texas¹**

**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) ²	
PHY 499WRF	2368	a	44.5	a	4.78	ab	1.13	c	32.85	bc	85.03	a	54.06	a	1280	a
AT NITRO	2317	ab	42.5	bc	4.13	c	1.23	a	33.75	ab	84.73	a	54.18	a	1255	ab
CG 3787B2RF	2206	ab	44.1	a	4.78	ab	1.15	bc	29.7	g	84.55	a	53.81	a	1187	abc
ST 5458B2RF	2189	ab	41.5	c	4.85	a	1.12	c	31.05	d-g	83.13	a	53.10	a	1164	abc
PHY 375WRF	2166	ab	42.9	b	4.23	c	1.13	c	29.9	fg	84.15	a	53.71	a	1164	abc
DP 1044B2RF	2162	ab	39.9	d	4.98	a	1.12	c	30.35	efg	84.03	a	52.08	a	1125	bcd
DP 1219B2RF	2145	ab	41.6	c	4.85	a	1.18	b	34.43	a	83.73	a	53.36	a	1144	a-d
NG 1511B2RF	2107	bc	44.2	a	4.98	a	1.13	c	31.85	cd	84.53	a	52.61	a	1111	cd
FM 1944GLB2	2084	bc	40.3	d	4.63	b	1.18	b	31.28	def	83.45	a	53.85	a	1122	bcd
FM 8270GLB2	1867	c	39.5	d	4.25	c	1.18	b	31.48	cde	84.9	a	54.05	a	1009	d
Mean	2161		42.1		4.64		1.15		31.7		84.2		53.48		1156	
P>F	0.0324		0.0001		0.0001		0.0001		0.0001		0.166		0.0525		0.0294	
LSD (P=.05)	249.4		1.05		0.207		0.0339		1.496		NS		NS		138.59	
STD DEV	171.8		0.724		0.142		0.0234		1.031		1.007		0.9302		95.52	
CV%	7.95		1.72		3.07		2.03		3.26		1.2		1.74		8.26	

¹ Indicates the location was irrigated with subsurface drip tape.

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

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

Table 11. Uniform Stacked-Gene Cotton Variety Trials, 2012
Texas A&M AgriLife Research and Extension Center
Corpus Christi, Texas
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
Rudy Alaniz, Technician and Clinton Livingston, Technician

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 375WRF	754	a	43.7	bc	3.9	bc	1.03	b-e	28.3	c	81.7	c	49.98	a	377	a
PHY 499WRF	723	a	44.5	ab	4.1	ab	1.00	e	30.2	b	83.5	ab	49.24	a	356	ab
FM 8270GLB2	607	b	42.9	c	3.6	d	1.05	b	28.7	bc	82.2	c	51.80	a	315	bc
DP 1219B2RF	570	b	41.9	d	3.9	bc	1.05	b	29.7	bc	81.9	c	51.30	a	293	c
DP 1044B2RF	567	b	40.6	e	3.9	c	1.02	cde	29.1	bc	82.3	c	49.65	a	281	c
FM 1944GLB2	563	b	41.7	d	3.8	c	1.06	b	26.0	d	81.8	c	50.86	a	287	c
NG 1511B2RF	559	b	43.8	b	4.2	a	1.01	de	29.8	bc	82.4	bc	49.50	a	277	c
ST 5458B2RF	557	b	41.5	d	3.8	c	1.04	bcd	29.2	bc	81.7	c	50.76	a	282	c
CG 3787B2RF	555	b	44.8	a	4.2	a	1.04	bc	29.7	bc	82.6	bc	50.66	a	283	c
AT NITRO 44B2RF	554	b	41.1	de	3.3	e	1.11	a	32.1	a	83.8	a	51.50	a	286	c
Mean	601		42.6		3.86		1.04		29.3		82.4		50.53		304	
P>F	0.0004		0.0001		0.0001		0.0001		0.0001		0.0031		0.2312		0.0092	
LSD (P=.05)	93.89		0.878		0.214		0.0343		1.553		1.1		NS		57.04	
STD DEV	64.708		.605		0.147		0.0236		1.07		0.758		1.4984		39.31	
CV%	10.77		1.42		3.82		2.27		3.66		0.92		2.97		12.94	

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

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

Table 12. Uniform Stacked-Gene Cotton Variety Trials, 2012

Calhoun County

Cooperator: Mike Hahn

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

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

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

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	973	a	46.4	a	5.3	a	1.08	b	34.4	b	84.2	abc	50.60	de	493	a
CG 3787B2RF	935	a	45.3	b	5.2	a	1.16	a	31.3	d	85.2	a	51.03	cde	477	a
DP1219B2RF	916	a	44.1	c	4.7	cd	1.16	a	36.0	a	84.5	abc	54.03	a	495	a
AT Nitro 44B2RF	813	b	43.5	c	4.9	bc	1.16	a	35.6	ab	85.1	a	53.35	ab	434	b
FM 1944GLB2	783	bc	42.4	d	5.1	ab	1.16	a	32.6	cd	84.1	abc	51.68	bcd	405	bc
NG 1511B2RF	738	cd	45.5	b	5.3	a	1.07	b	32.0	d	83.4	bcd	49.57	e	366	d
PHY 375WRF	725	cde	43.4	c	4.9	c	1.07	b	31.4	d	83.7	abc	52.12	bcd	378	cd
ST 5458B2RF	708	de	44.0	c	5.3	a	1.08	b	32.0	d	82.0	d	49.85	e	353	d
FM 8270GLB2	674	e	41.4	e	4.9	c	1.17	a	34.0	bc	85.0	ab	52.52	abc	354	d
DP 1044B2RF	667	e	41.5	e	4.5	d	1.08	b	31.5	d	82.9	cd	53.10	ab	354	d
Mean	793		43.7		5.01		1.12		33.1		84.0		51.79		411	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0149		0.0003		0.0001	
LSD (P=.05)	59.7		0.772		0.257		0.0421		1.584		1.691		1.6988		33.8757	
STD DEV	34.8		0.45		0.15		0.0245		0.924		0.986		0.0003		19.7473	
CV%	4.39		1.03		3.0		2.19		2.79		1.17		1.91		4.81	

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

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

Table 13. Uniform Stacked-Gene Cotton Variety Trials, 2012

DeWitt County

Cooperator: Ben and Harvey Hahn

Anthony Netardus, County Extension Agent-Agriculture and Natural Resources-DeWitt County

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

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	900	a	46.7	a	4.4	b	1.04	cd	33.3	ab	83.0	ab	51.87	bcd	467	a
NG 1511B2RF	881	a	46.6	a	4.8	a	1.04	cd	31.7	bc	82.7	abc	51.10	cde	450	ab
DP1219B2RF	810	b	44.9	bc	4.4	b	1.07	bc	30.2	cde	82.1	bcd	52.60	abc	426	bc
PHY 375WRF	803	bc	43.0	de	4.3	bc	1.04	cd	28.7	e	81.8	bcd	51.05	cde	410	cde
AT Nitro 44B2RF	773	bcd	42.2	ef	4.1	cd	1.14	a	34.0	a	83.8	a	54.10	a	418	bcd
DP1044B2RF	760	b-e	44.5	bc	4.0	d	1.02	d	30.3	cde	81.5	cd	49.92	de	379	ef
CL 3787B2RF	750	cde	45.2	b	5.0	a	1.05	cd	28.8	e	82.6	abc	49.48	e	370	f
ST 5458B2RF	744	de	43.8	cd	4.3	bc	1.05	cd	29.4	de	81.1	d	51.27	cde	382	def
FM 1944GLB2	710	e	42.6	de	4.3	bcd	1.10	b	30.0	cde	81.8	bcd	52.98	abc	376	ef
FM 8270GLB2	708	e	41.4	f	4.27	bcd	1.10	b	31.17	cd	82.17	bcd	53.43	ab	379	ef
Mean	784		44.1		4.38		1.06		30.8		82.2		51.78		406	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0338		0.0025		0.0003	
LSD (P=.05)	56.4		1.21		0.246		0.0379		1.808		1.412		2.0532		38.4404	
STD DEV	32.9		0.705		0.144		0.0221		1.054		0.823		1.1969		22.4082	
CV%	4.19		1.6		3.28		2.08		3.43		1.0		2.31		5.52	

¹ Lint values were calculated using the 2012 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, 2012

San Patricio County

Cooperator: Robert Rieder

Bob McCool, County Extension Agent-Agriculture and Natural Resources-San Patricio County

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

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 375WRF	715	a	48.2	a	4.8	ab	0.97	f	28.1	e	81.6	cd	47.38	d	341	abc
DP 1044B2RF	692	ab	43.4	bc	5.0	ab	1.04	ef	29.8	cde	82.5	bcd	50.00	bcd	345	ab
PHY 499WRF	688	ab	45.7	ab	4.7	b	1.06	de	34.0	b	83.6	abc	51.83	abc	358	a
NG 1511B2RF	609	bc	45.3	ab	5.1	a	1.03	ef	32.5	b	82.8	bcd	48.35	cd	293	bcd
DP 1219B2RF	605	bc	43.3	bc	4.6	bc	1.05	e	31.6	bcd	81.4	d	51.52	abc	312	a-d
CG 3787B2RF	605	bc	44.6	abc	4.7	b	1.14	bc	32.5	bc	85.1	a	54.05	a	327	a-d
PHY 367WRF	590	cd	42.2	bc	4.3	cd	1.13	cd	34.0	b	83.9	ab	54.02	a	319	a-d
AT Nitro 44B2RF	582	d	41.1	cd	4.1	d	1.20	ab	37.5	a	85.0	a	54.27	a	316	a-d
ST 5458B2RF	571	d	42.8	bc	4.9	ab	1.03	ef	29.3	de	81.7	cd	48.85	cd	280	cde
FM 8270GLB2	541	d	40.6	cd	4.7	bc	1.13	c	34.0	b	83.9	ab	53.82	ab	291	bcd
FM 1944GLB2	533	d	41.8	bc	4.7	b	1.05	e	28.0	e	82.1	bcd	51.35	abc	274	de
PHY 755WRF	416	e	37.1	d	4.1	d	1.25	a	38.8	a	85.8	a	54.33	a	226	e
Mean	596		43.01		4.66		1.09		32.5		83.3		51.65		307	
P>F	0.0003		0.0026		0.0001		0.0001		0.0001		0.0023		0.0043		0.0159	
LSD (P=.05)	101.472		4.15		0.346		0.0702		2.662		2.162		3.8385		62.81	
STD DEV	59.922		2.451		0.204		0.0415		1.572		1.276		2.2667		37.09	
CV%	10.06		5.7		4.39		3.81		4.83		1.53		4.39		12.08	

¹ Lint values were calculated using the 2012 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, 2012

Victoria County

Cooperator: Justin Leita

Peter McGuill, County Extension Agent-Agriculture and Natural Resources-Victoria County

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

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

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
DP 1044B2RF	1728	a	43.3	e	5.0	bc	1.13	cd	31.1	de	84.0	b	52.35	bc	904	a
PHY 499WRF	1698	ab	46.0	a	5.1	b	1.13	cd	33.9	ab	85.5	a	51.82	cd	880	ab
NG 1511B2RF	1676	abc	45.7	ab	5.1	b	1.11	d	33.3	b	84.0	b	51.52	cd	864	b
DP 1219B2RF	1654	bc	44.1	cd	4.8	cd	1.16	bc	35.4	a	83.7	b	53.97	a	893	ab
PHY 375WRF	1653	bc	44.2	c	4.8	cd	1.09	d	29.6	e	83.7	b	52.33	bc	865	ab
CG 3787B2RF	1640	bc	45.3	b	4.9	cd	1.18	b	31.4	cd	85.6	a	54.07	a	886	ab
ST 5458B2RF	1615	c	43.5	de	5.3	a	1.12	d	32.7	bc	83.3	b	50.70	d	819	c
FM 1944GLB2	1540	d	42.3	f	5.0	bcd	1.19	ab	32.6	bcd	84.2	b	52.43	bc	808	c
AT Nitro 44B2RF	1457	e	42.3	f	4.6	e	1.22	a	35.4	a	86.6	a	54.25	a	791	cd
FM 8270GLB2	1424	e	41.3	g	4.8	d	1.18	b	34.0	ab	86.2	a	53.48	ab	762	d
Mean	1609		43.8		4.94		1.15		32.9		84.7		52.69		847	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0003		0.0001	
LSD (P=.05)	71.4		0.696		0.201		0.0398		1.53		1.175		1.3816		39.989	
STD DEV	41.3		0.406		0.117		0.0232		0.892		0.685		0.8054		23.311	
CV%	2.56		0.93		2.37		2.01		2.71		0.81		1.53		2.75	

¹ Lint values were calculated using the 2012 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, 2012
Jackson County
Cooperator: David Sappington
Michael Hiller, County Extension Agent, Clyde Crumley, Extension Agent-IPM
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
DP 1044B2F	1793	a	42.2	a	5.0	bcd	1.09	d	29.6	e	82.9	a	52.47	a	934	ab
PHY 499WRF	1791	a	44.7	a	5.1	abc	1.09	d	33.3	b	84.9	a	52.95	a	955	a
NG 1511B2RF	1788	a	44.2	a	5.2	ab	1.12	cd	31.5	cd	84.1	a	51.15	a	902	abc
CG 3787B2RF	1748	ab	44.9	a	5.0	a-d	1.15	bc	30.7	de	84.7	a	52.37	a	889	abc
ST 5458B2F	1713	ab	42.4	a	5.2	a	1.14	c	31.7	bcd	83.3	a	51.85	a	857	abc
PHY 375WRF	1689	ab	42.1	a	4.8	de	1.10	d	30.0	de	83.7	a	53.50	a	882	abc
DP 1048B2F	1687	ab	43.4	a	5.0	a-d	1.15	bc	30.4	de	84.5	a	53.32	a	866	abc
FM 1944GLB2	1576	abc	41.2	a	4.9	cd	1.18	b	33.0	bc	84.5	a	52.83	a	830	bc
AT Nitro 44B2RF	1545	bc	38.8	a	4.6	e	1.22	a	35.1	a	85.5	a	53.00	a	808	cd
FM 2989GLB2	1397	c	37.4	a	5.1	ab	1.14	c	31.3	cde	84.7	a	52.20	a	698	d
Mean	1673		42.1		5.0		1.14		31.7		84.3		52.56		862	
P>F	0.0231		0.0655		0.0013		0.0001		0.0001		0.0633		0.6329		0.0169	
LSD (P=.05)	222.74		4.832		0.224		0.0387		1.713		1.519		2.383		120.31	
STD DEV	129.84		2.82		0.13		0.02		1.00		0.89		1.39		70.13	
CV%	7.76		6.69		2.62		1.98		3.15		1.05		2.64		8.14	

¹ Lint values were calculated using the 2012 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, 2012

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 499WRF	1484	a	39.9	a	4.8	a	1.11	def	32.3	ab	83.6	a-d	52.48	ab	779	a
AT Nitro 44B2RF	1290	b	35.3	fg	4.1	d	1.23	a	34.1	a	84.8	a	52.95	a	683	b
FM 1944GLB2	1259	bc	36.1	ef	4.6	b	1.19	b	32.5	ab	84.3	ab	52.80	ab	665	bc
NG 1511B2RF	1225	cd	37.9	c	4.7	ab	1.10	ef	31.1	b-e	82.9	a-d	52.48	ab	643	cd
CG 3787B2RF	1222	cd	39.3	ab	4.8	ab	1.15	cd	29.3	de	83.9	abc	52.80	ab	645	cd
ST 5458B2F	1212	cd	37.2	cd	4.7	ab	1.11	def	30.7	b-e	81.6	d	52.62	ab	638	cd
DP 1048B2F	1179	de	38.7	b	4.6	ab	1.17	bc	30.1	b-e	84.4	ab	52.80	ab	622	de
DP 0935B2F	1149	ef	37.4	c	4.6	ab	1.07	f	28.7	e	82.0	cd	51.35	b	590	f
PHY 375WRF	1146	ef	36.2	def	4.2	cd	1.10	ef	29.7	cde	83.3	a-d	52.35	ab	600	ef
DP 1044B2F	1126	ef	36.0	ef	4.2	cd	1.07	f	29.4	cde	82.5	bcd	51.93	ab	585	f
FM 1740B2F	1103	f	37.0	cde	4.7	ab	1.12	de	31.2	bcd	83.9	abc	52.75	ab	581	f
PHY 367WRF	1044	g	34.8	g	4.1	d	1.14	cde	31.8	bc	83.8	abc	52.93	a	552	g
FM 2989GLB2	926	h	34.0	h	4.3	c	1.09	ef	30.5	b-e	82.3	bcd	52.40	ab	485	h
Mean	1182		36.9		4.5		1.12		30.9		83.3		52.51		621	
P>(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0005		0.0454		0.0001	
LSD (P=.05)	48.28		0.778		0.143		0.0304		1.524		1.296		0.876		25.49	
STD DEV	28.65		0.46		0.09		0.02		0.90		0.77		0.52		15.13	
CV %	2.42		1.25		1.89		1.61		2.93		0.92		0.99		2.44	

¹ Lint values were calculated using the 2012 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, 2012
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 499WRF	1509	a	44.8	a	5.2	a	1.15	bc	33.1	b	86.1	a	51.47	b	776	a
AT Nitro 44B2RF	1423	b	41.2	ef	4.6	c	1.25	a	35.4	a	86.0	a	54.22	a	772	a
FM 1944GLB2	1403	bc	41.5	de	5.0	b	1.23	a	33.1	b	85.7	ab	53.40	a	750	ab
NG 1511B2RF	1403	bc	43.2	c	5.0	ab	1.09	e	31.3	cde	83.7	cd	51.73	b	726	bc
CG 3787B2RF	1400	bc	43.8	b	4.9	b	1.18	b	31.1	cde	85.8	ab	54.10	a	758	ab
DP 1044B2F	1399	bc	40.7	g	4.7	c	1.13	cd	30.8	def	84.2	bcd	53.82	a	753	ab
DP 1048B2F	1394	bc	43.3	bc	4.9	b	1.18	b	29.5	f	84.9	abc	53.77	a	749	ab
ST 5458B2F	1364	c	40.8	fg	5.1	ab	1.13	cde	32.3	bc	83.5	cd	51.47	b	702	cd
PHY 375WRF	1280	d	41.9	d	4.6	c	1.10	de	29.9	ef	83.2	d	53.42	a	684	de
FM 2989GLB2	1233	d	39.4	h	4.7	c	1.13	cd	32.1	bcd	83.3	cd	53.87	a	664	e
Mean	1381		42.1		4.9		1.16		31.9		84.6		53.13		733	
P>(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0037		0.0001		0.0001	
LSD (P=.05)	56.4		0.534		0.172		0.0374		1.43		1.687		0.9733		34.84	
STD DEV	32.90		0.31		0.10		0.02		0.83		0.98		0.57		20.31	
CV %	2.38		0.74		2.06		1.88		2.62		1.16		1.07		2.77	

¹ Lint values were calculated using the 2012 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, 2012
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	
PHY 499WRF	2196	a	49.7	ab	4.9	a	1.12	ef	32.6	ab	85.1	ab	54.03	ab	1187	a
DP 1048B2F	2061	ab	51.2	a	4.6	b	1.18	bc	29.5	de	84.5	abc	53.70	bc	1107	b
CG 3787B2RF	2004	bc	48.4	bcd	4.5	bc	1.16	bcd	29.9	de	84.1	bcd	53.73	bc	1077	bc
AT Nitro 44B2RF	1926	bc	46.5	ef	4.2	de	1.23	a	33.3	a	85.3	a	54.20	a	1044	bc
NG 1511B2RF	1913	c	48.9	bc	4.8	a	1.10	f	30.2	de	83.5	cd	53.42	c	1022	cd
FM 1944GLB2	1879	cd	46.9	de	4.4	bcd	1.20	ab	31.6	bc	84.0	cd	53.98	ab	1014	cd
PHY 375WRF	1772	de	47.8	cde	4.3	cd	1.12	ef	28.9	e	83.2	de	53.42	c	947	de
ST 5458B2F	1719	e	47.1	de	4.6	ab	1.15	cde	30.6	cd	82.3	e	53.72	bc	924	e
DP 1044B2F	1711	ef	46.2	ef	4.2	de	1.15	cde	29.7	de	83.6	cd	53.70	bc	919	ef
FM 2989GLB2	1573	f	44.9	f	4.0	e	1.14	de	30.7	cd	83.8	cd	53.83	ab	847	f
Mean	1875		47.8		4.5		1.15		30.7		83.9		53.77		1009	
P>(F)	0.0001		0.0001		0.0001		0.0001		0.0001		0.0011		0.0057		0.0001	
LSD (P=.05)	140.02		1.7		0.266		0.0378		1.327		1.107		0.372		76.26	
STD DEV	81.62		0.99		0.16		0.02		0.77		0.65		0.22		44.46	
CV %	4.35		2.08		3.47		1.91		2.52		0.77		0.40		4.41	

¹ Indicates the location was irrigated.

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

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

**Table 20. Uniform Stacked-Gene Cotton Variety Trials, 2012
Colorado County
Cooperator: Mahalitic Farms
Kara Matheney, County Extension Agent
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist**

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) ¹	
PHY 499WRF	2140	a	44.7	ab	4.7	a	1.16	a	32.1	a	85.1	a	54.03	a	1156	a
NG 1511B2RF	1968	ab	44.8	a	4.7	a	1.15	a	32.2	a	84.6	a	54.00	a	1063	ab
CG 3787B2RF	1912	bc	45.0	a	4.6	a	1.18	a	30.0	a	84.3	a	53.80	a	1029	bc
DP 1048B2F	1853	bc	42.2	bcd	4.3	a	1.24	a	31.9	a	85.4	a	54.05	a	1001	bc
ST 5458B2F	1843	bc	42.5	a-d	4.8	a	1.17	a	30.2	a	83.3	a	53.68	a	990	bc
AT Nitro 44B2RF	1830	bc	43.4	abc	4.4	a	1.23	a	31.5	a	84.4	a	53.95	a	987	bc
DP 1044B2F	1829	bc	41.8	cd	4.3	a	1.14	a	29.7	a	83.8	a	53.75	a	983	bc
FM 1944GLB2	1806	bc	42.2	bcd	4.7	a	1.23	a	30.9	a	84.0	a	53.90	a	973	bc
PHY 375WRF	1747	c	43.0	abc	4.3	a	1.15	a	30.1	a	84.7	a	53.93	a	942	c
FM 2989GLB2	1517	d	40.0	d	4.4	a	1.15	a	31.3	a	83.3	a	53.90	a	818	d
Mean	1844		42.9		4.5		1.18		31.0		84.3		53.90		994	
P>(F)	0.0038		0.0294		0.1238		0.2089		0.7338		0.3935		0.8835		0.003	
LSD (P=.05)	190.87		2.586		0.453		0.0936		3.706		2.022		0.5972		100.43	
STD DEV	84.38		1.14		0.20		0.04		1.64		0.89		0.26		44.40	
CV %	4.58		2.66		4.45		3.51		5.29		1.06		0.49		4.47	

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

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

**Table 21. Uniform Stacked-Gene Cotton Variety Trials, 2012
Burleson County
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) ¹	
NG 1511B2RF	1505	a	39.6	b	3.9	abc	1.12	c	31.0	abc	83.3	a	53.97	a	812	a
PHY 499WRF	1449	a	40.1	b	3.9	abc	1.17	b	32.0	a	84.1	a	53.40	ab	772	a
CG 3787B2RF	1441	ab	38.8	bc	4.0	ab	1.18	b	30.5	a-d	82.6	a	53.82	ab	775	a
ST 5458B2F	1405	abc	36.2	de	3.8	bc	1.17	b	29.9	bcd	82.3	a	53.67	ab	754	ab
DP 1048B2F	1350	a-d	42.1	a	4.2	a	1.13	c	28.7	d	83.2	a	53.63	ab	724	abc
DP 1044B2F	1252	b-e	35.1	e	3.2	f	1.13	c	29.1	cd	82.5	a	50.08	d	626	cd
PHY 375WRF	1245	cde	37.4	cd	3.5	def	1.14	bc	26.7	e	82.6	a	52.15	bc	650	bcd
FM 1944GLB2	1189	de	37.1	cd	3.7	cd	1.22	a	29.2	cd	82.5	a	53.52	ab	636	cd
AT Nitro 44B2RF	1184	de	35.8	de	3.3	ef	1.24	a	31.8	ab	83.3	a	51.47	cd	606	d
FM 2989GLB2	1113	e	35.7	de	3.6	cde	1.16	bc	29.6	cd	83.4	a	53.65	ab	597	d
Mean	893		40.4		4.7		1.08		30.1		81.7		52.13		451	
P>(F)	0.0001		0.0001		0.0017		0.0541		0.1673		0.9191		0.2742		0.0001	
LSD (P=.05)	56.33		1.331		0.273		0.0402		2.164		2.418		2.9594		42.04	
STD DEV	32.83		0.78		0.16		0.02		1.26		1.41		1.73		24.51	
CV %	3.68		1.92		3.39		2.18		4.19		1.73		3.31		5.43	

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 22. Uniform Stacked-Gene Cotton Variety Trials, 2012
Williamson County
Cooperator: Greg and Adam Shirocky
Jared Ripple, Extension Agent - IPM
Dr. Gaylon D. Morgan, Extension Cotton Agronomist
Dale A. Mott, Extension Program Specialist

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value (\$/Ac) ¹	
DP 0935B2F	661	a	38.0	a	4.7	bc	0.98	d	80.5	cd	26.7	de	47.37	cd	313	a
PHY 499WRF	654	a	37.0	ab	4.8	ab	1.01	cd	81.8	ab	30.3	ab	49.00	b	320	a
NG 1511B2RF	629	ab	37.2	ab	4.7	bc	1.00	cd	80.8	bcd	29.8	b	48.53	bcd	306	a
PHY 375WRF	620	abc	36.9	ab	4.6	cd	0.99	d	80.9	bc	27.5	cde	47.83	bcd	296	ab
DP 0949B2F	615	abc	37.2	ab	4.5	d	1.02	bc	80.6	cd	27.9	cd	49.05	b	302	a
PHY 367WRF	607	abc	36.4	abc	4.5	cd	1.00	cd	79.9	cd	27.6	cde	48.65	bc	296	ab
DP 1044B2F	597	abc	35.2	cd	4.5	cd	1.01	cd	80.5	cd	28.1	c	48.30	bcd	289	ab
FM 1740B2F	594	abc	35.8	bc	4.7	bc	0.99	cd	80.8	bcd	27.8	cde	48.30	bcd	287	ab
FM 1944GLB2	562	bcd	34.5	d	4.6	bcd	1.05	ab	80.4	cd	26.9	cde	50.78	a	286	ab
ST 5458B2F	560	bcd	34.8	cd	4.9	a	1.00	cd	79.7	d	26.5	e	47.07	d	264	bc
AT Nitro 44B2F	553	cd	32.2	e	4.2	e	1.07	a	82.2	a	31.6	a	51.93	a	288	ab
FM 2989GLB2	504	d	34.6	d	4.8	ab	1.01	cd	80.3	cd	27.5	cde	48.65	bc	245	c
Mean	596		35.8		4.6		1.01		80.7		80.7		48.79		291	
P>(F)	0.0054		0.0001		0.0001		0.0002		0.0102		0.0001		0.0001		0.032	
LSD (P=.05)	70.34		1.665		0.188		0.03		1.187		1.304		1.5391		38.24	
STD DEV	41.54		0.98		0.11		0.02		0.70		0.77		0.91		22.58	
CV %	6.97		2.75		2.41		1.75		0.87		2.73		1.86		7.76	

¹ Lint values were calculated using the 2012 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 23. Uniform Stacked-Gene Cotton Variety Trials, 2012
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	1055	a	43.2	a	5.0	a	1.07	a	30.4	a	81.9	a	50.50	a	522	a
NG 1511B2RF	1016	a	44.2	a	4.9	ab	1.03	a	29.7	a	82.0	a	49.90	a	498	ab
DP 1048B2F	924	b	40.6	bc	4.8	ab	1.08	a	31.1	a	80.9	a	52.17	a	468	bc
DP 1044B2F	911	b	39.1	d	4.5	cd	1.07	a	32.0	a	81.9	a	52.07	a	458	bc
ST 5458B2F	885	bc	40.6	b	4.8	ab	1.06	a	29.4	a	81.1	a	51.70	a	444	c
PHY 375WRF	884	bc	41.3	b	4.6	bc	1.08	a	29.4	a	81.7	a	52.73	a	454	c
AT Nitro 44B2RF	881	bc	39.2	d	4.3	d	1.11	a	30.7	a	81.1	a	53.50	a	456	bc
CG 3787B2RF	850	c	39.3	cd	4.8	ab	1.08	a	29.3	a	82.3	a	52.98	a	436	c
FM 2989GLB2	764	d	39.1	d	4.7	abc	1.10	a	30.0	a	82.3	a	53.25	a	393	d
FM 1944GLB2	755	d	37.7	e	4.6	bc	1.07	a	29.0	a	81.7	a	52.48	a	380	d
Mean	893		40.4		4.7		1.08		30.1		81.7		52.13		451	
P>(F)	0.0001		0.0001		0.0017		0.0541		0.1673		0.9191		0.2742		0.0001	
LSD (P=.05)	56.33		1.331		0.273		0.0402		2.164		2.418		2.9594		42.04	
STD DEV	32.83		0.78		0.16		0.02		1.26		1.41		1.73		24.51	
CV %	3.68		1.92		3.39		2.18		4.19		1.73		3.31		5.43	

¹ Lint values were calculated using the 2012 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 24. Uniform Stacked-Gene Cotton Variety Trials, 2012
Navarro County
Cooperator:
Logan Liar, County Extension Agent
Dr. Gaylon D. Morgan, Assistant Professor and Extension Agronomist
Dale A. Mott, Extension Program Specialist

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499 WRF	1356	a	43.3	a	5.1	a	1.04	d	29.6	ab	85.3	a	49.13	bcd	652	a
NG 1511 B2RF	1224	b	40.9	ab	5.1	a	1.03	d	30.0	a	84.1	a	48.00	d	569	bc
AT Nitro 44B2RF	1202	b	39.7	bc	4.5	a	1.08	bc	29.4	ab	86.2	a	53.03	a	618	ab
PHY 375 WRF	1183	b	41.0	ab	4.8	a	1.03	d	28.3	c	82.8	a	50.00	bc	575	b
ST 5458 B2F	1160	b	39.6	bc	5.1	a	1.05	cd	28.7	bc	83.7	a	48.93	cd	547	bcd
DP 1044 B2F	1121	b	38.5	bcd	4.8	a	1.05	cd	30.3	a	57.1	a	50.83	b	548	bcd
FM 2989 GLB2	975	c	36.9	d	4.7	a	1.10	ab	28.8	bc	84.4	a	53.20	a	497	cd
FM 1944 GLB2	918	c	37.9	cd	4.8	a	1.13	a	30.4	a	85.0	a	53.90	a	475	d
Mean	1142		39.7		4.8		1.06		29.4		81.1		50.88		560	
P>F	0.0008		0.0125		0.0561		0.001		0.0105		0.4841		0.0008		0.0114	
LSD (P=.05)	116.81		2.662		0.358		0.0306		1.016		32.111		1.8694		75.17	
STD DEV	49.39		1.13		0.15		0.01		0.43		13.58		0.79		31.78	
CV%	4.32		2.84		3.13		1.22		1.46		16.75		1.55		5.68	

¹ Lint values were calculated using the 2012 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 25. Liberty Link Cotton Variety Trial, 2012
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	
ST 5445LLB2	1310	a	43.9	a	5.5	a	1.12	a	31.9	bc	83.6	a	50.33	c	678	a
FM 1944GLB2	1242	a	42.9	b	5.4	ab	1.12	a	32.4	abc	83.4	a	50.35	c	660	a
FM 8270GLB2	1228	a	41.0	d	5.0	de	1.16	a	33.3	ab	84.3	a	52.50	a	652	a
FM 1845LLB2	1225	a	41.4	cd	5.1	de	1.15	a	33.0	ab	85.3	a	51.80	ab	636	a
FM 2989GLB2	1223	a	41.3	cd	5.3	abc	1.17	a	33.9	a	84.2	a	50.98	bc	625	a
FM 835LLB2	1222	a	40.8	d	5.3	bc	1.14	a	31.9	bc	84.3	a	50.87	bc	622	a
ST 4145LLB2	1188	a	41.9	c	4.9	e	1.17	a	33.4	ab	84.8	a	52.50	a	642	a
Mean	1248		42.2		5.2		1.14		32.6		84.2		51.28		640	
P>F	0.0515		0.0001		0.0002		0.0888		0.0483		0.5196		0.0208		0.2956	
LSD (P=.05)	NS		0.744		0.192		NS		1.679		NS		1.418		NS	
STD DEV	55.10		0.43		0.11		0.02		0.96		1.07		0.81		34.76	
CV%	4.42		1.01		2.10		2.04		2.94		1.26		1.58		5.43	

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

FM=FiberMax, ST= Stoneville.

Table 26. Meaney Monster Cotton Variety Trial, 2012
Texas A&M AgriLife Research Farm, Corpus Christi, Texas
Dr. Dan D. Fromme, Assistant Professor and Extension Agronomist
Rudy Alaniz, Technician and Clinton Livingston, Technicians

Variety	Lint (lbs/acre)		Turnout (%)		Mic		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	1193	a	45.6	a-d	5.1	b-g	1.06	k-o	32.6	b-h	84.8	a	50.14	g-m	597	ab
AT NITRO 44B2RF	1158	ab	42.3	p-t	4.3	q	1.14	abc	34.0	b	84.5	abc	54.10	a	626	a
PHY 367WRF	1114	abc	44.6	b-k	4.6	m-p	1.06	j-n	31.6	e-o	83.3	a-j	52.23	a-h	583	abc
SSG 210CT	1101	a-d	41.3	tu	5.1	c-j	1.02	pq	31.2	g-o	82.5	g-n	48.03	m-p	531	b-i
FM 2989GLB2	1101	a-d	41.7	r-u	5.1	b-h	1.07	g-m	30.3	m-t	81.3	mn	50.19	f-m	552	a-e
AT EPIC RF	1087	a-e	44.3	e-l	5.0	e-k	1.04	l-p	30.6	k-r	84.3	a-d	49.86	i-m	547	a-f
PHY 375WRF	1087	a-e	44.1	h-m	4.9	f-l	1.05	l-p	30.4	l-s	83.1	b-l	50.40	e-l	547	a-f
DP 1050B2RF	1084	a-e	45.4	a-f	5.1	b-h	1.07	h-m	30.1	o-t	82.7	f-m	50.54	d-l	547	a-f
DP 1219B2RF	1071	a-f	43.0	l-q	5.0	f-l	1.10	d-h	33.2	bcd	83.2	b-j	52.29	a-g	559	a-d
AU 222	1068	a-g	42.2	p-u	5.1	c-j	1.09	e-k	31.7	d-o	81.6	k-n	50.95	c-j	545	a-g
ATX CR 103233B2RF	1065	a-g	44.4	d-k	4.9	h-m	1.10	e-j	30.3	l-s	82.9	d-l	52.60	a-e	561	a-d
ST 5458B2RF	1061	a-g	43.4	k-p	5.2	a-e	1.07	g-m	30.4	l-s	82.8	d-l	49.76	i-m	528	b-i
FM 1845LLB2	1058	a-g	41.0	u	5.0	f-l	1.13	bcd	33.5	bc	84.1	a-f	52.83	a-d	559	a-d
FM 1740B2F	1056	a-g	43.5	j-p	4.9	g-m	1.02	opq	28.9	st	81.8	j-n	49.14	j-m	518	b-i
ATX 10WSCV340	1050	a-g	44.1	h-m	5.0	e-k	1.06	k-o	31.1	h-o	82.9	d-l	50.46	e-l	529	b-i
ATX 10WSCV447	1045	a-g	42.6	o-s	5.1	c-j	1.06	i-n	32.3	c-j	83.1	b-l	50.73	c-k	527	b-i
ST 4145LLB2	1021	b-g	41.6	stu	5.1	c-j	1.05	l-p	30.2	n-t	83.0	c-l	49.28	j-m	503	c-j
ATX 9VCCV1020	1007	b-h	44.9	a-i	5.1	b-h	1.03	m-p	29.3	rst	81.6	lmn	49.24	j-m	496	c-j
DP 252B2RF	1006	b-h	46.1	a	5.2	a-e	1.07	h-m	30.8	j-r	83.5	a-i	49.98	h-m	503	c-j
AM550B2RF	1003	b-h	44.2	f-m	5.2	b-f	1.01	pq	28.7	t	82.8	e-m	46.41	op	465	e-j
NG511B2RF	1002	b-h	45.3	a-g	5.3	a-d	1.05	l-p	31.8	d-m	84.2	a-e	48.73	j-n	488	d-j
ATX 784381RF	1002	b-h	44.5	c-k	4.4	pq	1.11	c-f	31.7	d-n	83.8	a-h	53.71	ab	538	a-h

DP 1044B2RF	995	b-h	42.3	p-t	5.2	b-f	1.04	l-p	30.2	n-t	82.8	d-l	48.40	l-o	482	d-j
ATX CR 109293B2RF	995	b-h	45.7	abc	4.9	g-m	1.17	a	32.7	b-g	84.0	a-g	53.39	ab	531	b-i
DP 1032B2RF	993	c-h	44.9	a-i	5.1	c-i	1.11	cde	31.4	f-o	84.1	a-f	51.68	b-i	516	b-i
DP 0935B2RF	992	c-h	44.1	g-m	5.3	a-d	1.02	pq	28.9	st	82.6	f-m	46.68	nop	463	e-j
FM 1944GLB2	990	c-h	42.8	n-s	5.1	c-j	1.07	g-m	29.4	q-t	82.4	h-n	50.93	c-j	504	c-j
AT LA122	990	c-h	45.8	ab	5.0	d-j	1.03	n-q	30.3	m-t	82.1	i-n	49.06	j-m	485	d-j
PHY 565WRF	989	c-h	42.9	m-r	4.8	i-n	1.06	k-o	31.8	d-n	83.1	b-k	52.55	a-e	520	b-i
SSG 212CT	971	c-h	41.3	tu	5.4	ab	0.99	q	31.0	i-p	81.1	n	45.85	p	445	ij
AT 7A21	959	c-h	43.8	i-o	4.8	j-o	1.07	f-l	32.9	b-f	83.4	a-i	52.45	a-f	503	c-j
ATX 91239B2RF	955	c-h	44.4	d-k	5.0	e-k	1.10	d-g	30.9	i-q	82.6	f-m	51.81	a-i	495	c-j
AU 103	947	d-i	44.0	i-n	5.0	f-l	1.09	e-k	32.3	c-i	82.5	g-n	52.03	a-i	492	d-j
ATX 9CR253 B2RF	941	d-i	44.1	h-m	5.3	abc	1.04	l-p	32.1	c-k	82.8	d-m	48.58	k-o	457	g-j
FM 8270GLB2	926	e-i	42.0	q-u	4.6	op	1.10	d-i	33.1	b-e	83.4	a-i	52.88	abc	490	d-j
DP 1133B2RF	918	f-i	45.5	a-e	5.5	a	1.07	h-m	31.8	d-l	83.5	a-i	48.89	j-n	449	ij
ATX 91139B2RF	917	f-i	45.3	a-h	4.7	l-o	1.07	g-l	29.5	p-t	83.1	b-l	51.66	b-i	477	d-j
PHY 440WRF	908	f-i	42.7	o-s	4.8	j-o	1.05	l-p	32.1	c-k	83.3	a-j	50.64	c-l	460	f-j
DP 1048B2RF	906	ghi	44.7	b-j	4.9	g-m	1.09	e-k	31.0	i-p	83.0	c-l	52.34	a-g	473	d-j
ATX 981221501B2F	850	hi	43.7	i-o	4.7	k-o	1.11	c-f	33.1	b-e	84.1	a-f	53.53	ab	455	hij
PHY 755WRF	787	i	39.1	v	4.6	nop	1.16	ab	36.8	a	84.6	ab	54.08	a	426	j
Mean	1009		43.6		5.0		1.07		31.4		83.1		50.71		512	
P>F	0.0045		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0044	
LSD (P=.05)	163.97		1.27		0.26		0.04		1.56		1.53		2.29		89.32	
STD DEV	117.11		0.90		0.18		0.03		1.11		1.09		1.64		63.79	
CV%	11.61		2.07		3.70		2.40		3.55		1.31		3.23		12.47	

¹ Lint values were calculated using the 2012 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 27. Matagorda Monster Cotton Variety Trial, 2012
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 and Clinton Livingston, Technicians

Variety	Lint (lbs/acre)		Turnout (%)		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value (\$/acre) ¹	
PHY 499WRF	1820	a	43.8	ab	5.2	abc	1.15	k-q	33.7	c-j	84.9	c-k	51.51	kl	937	a
BX 1348GLB2	1726	ab	41.3	e-i	4.8	g-n	1.21	bcd	33.2	e-m	83.8	i-l	53.98	a-e	931	ab
DP 1219B2RF	1666	abc	41.6	d-h	4.6	n-r	1.16	h-n	34.3	b-g	83.9	h-l	54.01	a-d	900	abc
AT LA122CV	1657	abc	40.8	f-l	4.6	m-r	1.17	f-l	31.8	m-q	85.0	c-k	54.04	a-d	895	abc
FM 1944GLB2	1596	bcd	40.1	j-n	4.8	g-m	1.18	d-i	33.2	d-m	83.6	jkl	53.94	a-e	861	a-d
DP 1252B2RF	1596	bcd	44.9	a	5.1	b-f	1.16	i-o	32.1	j-q	85.5	a-h	52.39	g-l	836	cde
PX 4339CB06WRF	1580	bcd	41.4	e-i	4.9	f-l	1.18	d-i	32.3	j-q	84.1	g-l	53.39	a-g	844	b-e
PHY 565WRF	1568	b-e	39.5	m-r	4.8	g-n	1.18	e-k	35.7	b	86.0	abc	53.65	a-f	840	b-e
ATX 10WSCV340	1552	c-f	41.3	e-i	4.5	p-s	1.22	bc	33.2	e-m	85.1	b-k	54.06	abc	839	cde
DP 1050B2RF	1551	c-f	44.3	a	4.9	f-l	1.17	f-k	32.3	j-q	85.4	a-i	53.51	a-g	831	c-f
DP 1048B2RF	1536	c-g	42.7	bc	4.7	k-q	1.18	e-j	31.8	m-q	84.7	c-k	54.01	a-d	829	c-f
PX 433915WRF	1523	c-h	41.2	e-i	4.9	e-k	1.18	e-i	32.5	i-q	83.7	jkl	53.26	a-g	811	c-g
DP 1133B2RF	1523	c-h	42.6	cd	5.1	a-d	1.18	e-j	34.3	b-h	86.7	ab	51.68	i-m	787	d-i
ATX 10WSCV447	1514	c-h	40.0	k-o	5.1	b-f	1.17	f-k	34.0	c-i	85.8	a-g	52.45	g-l	794	d-h
ATX 91239B2RF	1504	c-i	40.4	i-m	4.7	j-q	1.21	b-e	32.4	j-q	84.3	d-l	53.39	a-g	803	d-g
ATX 9VCCV1020cv	1491	d-i	41.5	e-i	5.0	c-g	1.17	f-m	32.0	k-q	84.4	c-l	52.81	e-i	789	d-i
ATX 9CR253B2RF	1491	d-i	41.7	c-g	5.3	a	1.14	l-q	33.5	c-k	85.4	a-i	50.99	m	760	e-j
PHY 440WRF	1475	d-j	39.8	l-q	4.9	e-k	1.13	n-r	33.2	d-m	84.7	c-k	53.45	a-g	789	d-i
PX 433906WRF	1459	d-k	41.5	d-h	4.9	d-i	1.19	d-i	32.7	h-p	85.9	a-d	53.56	a-g	782	d-i
ATX 91139B2RF	1454	d-k	41.7	c-h	4.5	qrs	1.19	c-g	31.5	o-r	84.8	c-k	54.03	a-d	786	d-i

AT NITRO 44B2RF	1445	d-k	39.9	k-o	4.5	qrs	1.23	b	33.5	c-k	85.0	c-k	54.09	abc	781	d-i
PX 532211WRF	1411	e-l	40.0	k-n	4.6	l-q	1.21	bcd	31.3	pqr	84.4	c-l	53.98	a-e	761	e-j
ST 5458B2RF	1400	f-m	40.6	h-m	5.1	a-d	1.17	f-l	33.3	d-m	84.4	c-l	51.73	h-	724	g-p
FM 8270GLB2	1398	f-m	38.2	st	4.4	rst	1.20	c-f	35.1	bc	85.5	a-h	54.23	ab	758	e-k
AT 7A21CV	1392	f-n	40.8	f-l	4.7	h-o	1.19	c-h	33.0	f-o	85.4	a-i	54.10	abc	753	e-l
ATX 784381RF	1380	g-n	41.0	f-k	4.2	t	1.18	e-j	32.3	j-q	82.9	l	54.00	a-d	745	f-m
DP 1032B2RF	1370	h-o	41.9	c-g	4.8	g-m	1.17	g-m	33.4	d-l	84.4	c-l	53.45	a-g	732	g-n
ST 5445LLB2	1367	h-o	40.8	g-l	5.2	ab	1.21	b-e	34.8	bcd	85.8	a-f	51.33	lm	701	i-q
ATX CR 103233B2RF	1365	h-p	42.2	cde	4.8	g-m	1.20	c-f	31.9	l-q	84.4	d-l	53.41	a-g	730	g-n
FM 835LLB2	1344	i-q	37.6	tuv	4.5	o-s	1.19	c-g	34.0	c-i	85.9	a-e	54.16	ab	728	g-o
FM 1845LLB2	1340	i-r	38.5	rst	4.9	f-l	1.18	e-j	34.7	b-e	84.2	f-l	52.88	d-h	708	h-p
DP 1044B2RF	1317	j-s	38.9	o-s	4.7	i-p	1.10	r-u	31.6	n-q	83.6	jkl	53.43	a-g	703	h-q
FM 1740B2F	1302	k-t	41.2	e-j	5.0	c-g	1.16	i-p	33.0	f-n	85.6	a-g	52.41	g-l	682	j-r
AT EPIC RF	1276	l-u	41.7	c-g	4.7	h-o	1.11	r-u	33.2	d-m	84.6	c-k	53.24	a-g	680	j-s
PHY 375WRF	1266	l-u	39.8	l-q	4.8	g-m	1.12	q-t	31.0	qr	85.0	c-k	53.06	b-g	672	j-s
ATX CR 109293B2RF	1256	l-u	41.5	d-h	4.7	j-q	1.27	a	34.2	b-h	84.9	c-k	53.55	a-g	672	j-s
AU 103	1254	l-u	40.9	f-l	4.9	d-j	1.19	c-g	34.2	b-h	84.8	c-k	52.94	c-g	664	l-t
FM 9058F	1236	m-u	40.0	k-o	4.6	l-q	1.19	c-g	33.6	c-j	84.8	c-k	54.09	abc	669	k-t
SSG 212CT	1228	n-u	41.9	c-f	5.0	c-h	1.09	tu	32.0	k-q	83.5	kl	52.40	g-l	644	n-t
AU 222	1228	n-u	40.8	f-l	4.8	g-l	1.18	e-j	34.5	b-f	84.2	e-l	53.44	a-g	656	m-t
AM 1550B2RF	1214	o-u	38.8	p-s	5.0	c-h	1.08	u	29.9	r	84.3	d-l	52.54	f-k	638	o-t
ATX 981221501B2F	1206	o-u	36.9	vw	4.8	g-n	1.20	c-g	34.5	b-f	85.5	a-h	54.14	ab	653	n-t
NG 1511B2RF	1202	p-u	38.8	qrs	5.3	ab	1.09	tu	31.9	l-q	84.8	c-k	50.68	m	609	rst
BX 1346GLB2	1179	q-u	39.1	n-s	4.9	f-l	1.14	m-q	33.6	c-j	84.9	c-k	54.06	abc	637	o-t
PHY 367WRF	1177	r-u	39.7	m-q	4.7	j-q	1.13	n-r	32.8	g-p	84.7	c-k	53.99	a-e	635	p-t
DP 0935B2RF	1167	stu	41.4	e-i	4.9	e-k	1.13	p-s	31.8	m-q	84.1	g-l	52.70	f-j	616	q-t
ST 4145LLB2	1144	tu	39.9	k-p	5.2	abc	1.13	o-r	31.0	qr	85.1	b-j	51.63	j-m	591	st

SSG 210CT	1135	u	39.2	n-s	5.1	a-e	1.10	stu	33.3	d-m	83.8	i-l	51.14	m	579	t
FM 2989GLB2	1116	u	41.6	d-h	4.8	g-n	1.15	j-q	34.0	c-i	85.1	b-j	54.13	ab	604	rst
PHY 755WRF	834	v	38.1	stu	4.3	st	1.27	a	37.5	a	87.0	a	54.29	a	453	u
Mean	1385		40.3		4.8		1.17		33.1		84.8		53.19		737	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	
LSD (P=.05)	165.09		1.105		0.226		0.0323		1.573		1.664		1.1835		91.05	
STD DEV	117.92		0.79		0.16		0.02		1.12		1.19		0.85		65.01	
CV%	8.5		2.0		3.4		2.0		3.4		1.4		1.6		8.8	

¹ Lint values were calculated using the 2012 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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