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2024 REPLICATED AGRONOMIC COTTON EVALUATION (RACE) SOUTH, EAST AND CENTRAL REGIONS OF TEXAS

RACE
Replicated Agronomic Cotton Evaluation

http://cotton.tamu.edu/

REPLICATED AGRONOMIC COTTON EVALUATION (RACE)

SOUTH, EAST AND CENTRAL REGIONS OF TEXAS, 2024

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

2024 HIGHLIGHTS

Variety selection is one of the most important decisions a cotton producer will make each year. Unlike herbicide or insecticide choices, which can be adjusted throughout the season to address specific conditions, variety selection is made once and dictates field management for the entire season. This decision should prioritize genetics, followed by transgenic technology, with a focus on key agronomic traits such as yield, maturity, and fiber quality. Figure 1 illustrates Texas' cotton production regions.

To help Texas cotton producers remain competitive across regions such as the Lower Rio Grande Valley, Blacklands, South Texas/Wintergarden, and Upper Coastal areas (Figure 1), the Texas A&M AgriLife Extension Service-Cotton Agronomy program has conducted large-plot, on-farm, replicated variety trials for the past 20 years. This collaborative approach, involving all seed companies, provides valuable data to guide variety selection. These trials are managed by producers on their farms.

In 2024, 18 Replicated Agronomic Cotton Evaluation (RACE) Trials and 4 Monster trials were harvested, though some were impacted by extended fall rains and herbicide injury. Harvested locations are listed in Table 1.

2024 RACE Trials Yields:

- Non-irrigated yields ranged from 2,204 lbs/ac at Falls County to 398 lbs/ac at Navarro County.
- Irrigated yields ranged from 2,204 lbs/ac in Burleson County to 738 lbs/ac in Hidalgo County.
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All major cotton seed companies offering GlyTol® LibertyLink®, XtendFlex®, or Enlist® technology were invited to participate, submitting at least one variety at each location. All varieties were treated with premium seed treatment packages. Descriptions of these varieties, as provided by the companies, are listed on pages 7-9.

Trial Details:

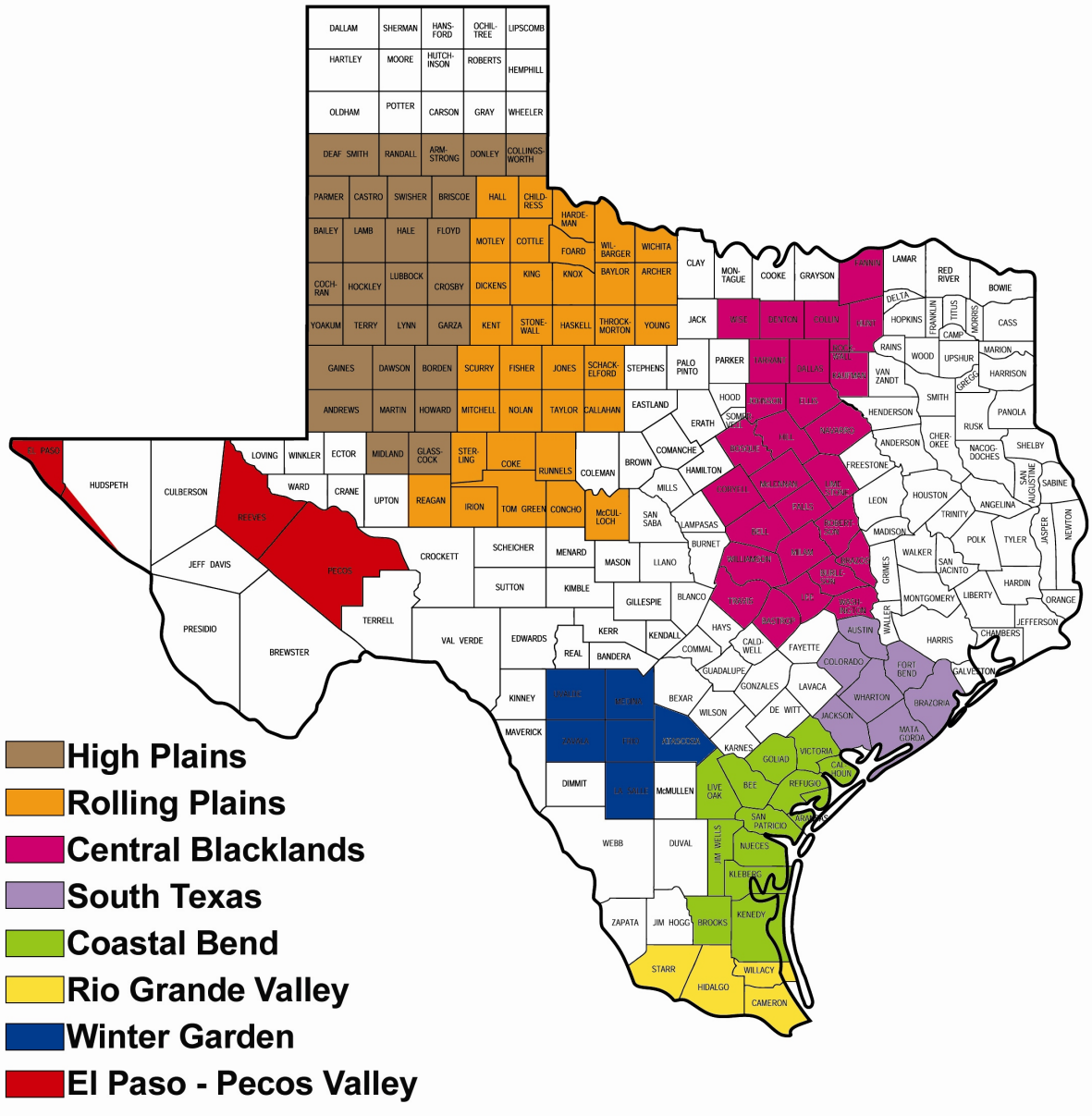
Table 1 outlines the cooperators, planting and harvest dates, row spacing, and plot area for each location. Tables 2-5 provide yield rankings for varieties across all locations within each production region.

Tables 6-23 present detailed data for each RACE trial, including yield, fiber quality, turnout, loan values, and gross lint value per acre. Most locations used a 20-saw table-top gin without a lint cleaner, which typically results in higher lint turnout percentages than commercial ginning methods. This means the yields presented are generally higher than regional averages. All data were standardized to a 41-4 color grade and leaf class, as accurate grading is not possible without a lint cleaner.

Additionally, 2024 included several Monster cotton variety trials (Tables 24-29), which evaluated a broader range of commercially available and experimental varieties. Final yields and grades for these trials are included in the publication.

Statistical Analysis:
The statistical analysis accounts for variability in test site conditions, such as soil type and insect damage. A Coefficient of Variation (CV) of 10% or less is typically considered acceptable, indicating reliable data. Trials with smaller Least Significant Differences (LSD) show more consistent results and a higher likelihood of detecting differences between varieties. A trial with a large LSD or CV suggests greater variability at that location. Non-significant results are denoted as “NS” (no significant differences), indicating no variety differences at the 90% confidence level.

COTTON PRODUCTION REGIONS - TEXAS



Variety Characteristics/Highlights

Below are the cotton variety characteristics and highlights that were included in the 2024 RACE trials. These cotton variety descriptions were provided by individual seed company representatives or publicly available information.

DeltaPine 2012 B3XF

- Smooth leaf, early maturity variety
- Bacterial blight resistant
- Above average fiber quality
- Medium plant type that responds well to PGR management

DeltaPine 2020 B3XF

- Semi-smooth leaf, early-mid maturity variety
- Bacterial blight resistant
- Above average fiber quality
- Medium plant type that responds well to PGR management

DeltaPine 2239 B3XF

- Mid-maturity, medium plant type that is responsive to PGRs
- Smooth leaf
- Good fiber quality package, especially fiber staple

Dyna-Gro 3456 B3XF

- Mid- early maturity
- Medium plant height
- Smooth leaf
- Bacterial blight susceptible
- Manage aggressively with PGR

Dyna-Gro 3528 B3XF

- Medium maturity, medium plant height
- Smooth leaf
- Bacterial blight resistant
- High yield potential

Dyna-Gro 3555 B3XF

- Medium maturity, medium plant height
- Semi-smooth leaf
- Bacterial blight resistant
- Excellent fiber quality
- Responds well to PGR management

NexGen 3457 B3XF

- Early maturing variety with excellent vigor
- Semi-Smooth leaf
- Bacterial blight resistant
- Consistent yield and fiber quality across management practices
- Short to Medium plant type that responds well to PGR management

NexGen 4190 B3XF

- Mid-maturing, smooth leaf variety
- Medium-tall plant height
- Broadly adapted to Central and South Texas that performs on both dryland and irrigated acres
- Possesses an excellent fiber package

PhytoGen 332 W3FE

- Early-mid maturity; semi-smooth leaf
- Resistant to bacterial blight, root-knot and reniform nematodes
- Exceptional yield, fiber length and overall quality
- Medium-tall plant that responds well to PGR management
- Tolerance to Enlist, glyphosate and glufosinate with WideStrike 3 lep control

PhytoGen 400 W3FE

- Early-mid maturity; semi-smooth leaf
- Resistant to bacterial blight and root-knot nematodes
- Very broadly adapted with excellent yield and quality
- Short-medium height plant; easy to manage with PGRs
- Tolerance to Enlist, glyphosate, and glufosinate herbicides with Widestrike 3 lep control

PhytoGen 411 W3FE

- Mid-maturity; semi-smooth leaf
- Resistant to bacterial blight, root-knot nematodes, and reniform nematodes
- High-end yield potential
- Medium-tall plant that responds well to PGR management
- Tolerance to Enlist, glyphosate, and glufosinate herbicides with Widestrike 3 lep control

Stoneville 4595 B3XF

- Good emergence and early season vigor
- Semi-hairy, early maturity
- Moderate plant growth with less PGR requirement
- Excellent, stable yield and fiber potential across environments

Stoneville 4990 B3XF

- Good emergence and early season vigor
- Semi-smooth early-mid maturity
- Moderate plant growth with less PGR requirement
- Easy defoliation
- Good, stable yield with excellent fiber package across environments

Stoneville 4993 B3XF

- Semi-smooth leaf
- Early-mid maturity with medium growth
- Easy to manage growth, responds well to PGRs
- Resistant to bacterial blight
- Easy to management (PGR)
- Good storm tolerance

Table 1. Trial location, cooperator, planting date, harvest date, row spacing, plot dimensions and area of 2024 Texas A&M AgriLife Extension RACE Trials harvested.

County	Hidalgo	Hidalgo (TX AgriScience)	Nueces (Lawhon)	Nueces (CCAREC)
Location (Nearest town)	Santa Maria	Monte Alto	Driscoll	Robstown
Latitude, Longitude	26.102874, -97.850520	26.35171, -97.89925	27.62663, -97.70523	27.78085, -97.57495
Cooperator	Balde Gonzalez Farm	Texas AgriScience	Darrell Lawhon	Texas A&M AgriLife Research
Soil Type	Harlingen clay	Raymondville clay loam, 0 to 1% slopes	Victoria clay, 0 to 1% slopes	Victoria clay, 0 to 1% slopes
Irrigation	furrow	furrow	none	none
Precipitation (Estimated)	16"	11.9"	13.9"	12.4"
Previous Crop	sorghum	sorghum	sorghum	sorghum
Row Spacing (in)	40"	40"	38"	38"
Plot Dimensions	6 rows X 7,200 ft	2 rows X 48 ft	6 rows X 3500 ft	2 rows X 35 ft
Area harvested/plot	0.57 acres	0.007 acres	1.03 acres	0.005 acres
Plant Population (/Ac)		45,000	40,000	62,400
Planting Date	3/8/2024	4/5/2024	3/5/2024	4/1/2024
Harvest Date	8/13/2024	8/25/2024	7/23/2024	8/20/2024
Yield Limiting Factor(s)				

Table 1. Continued.

County	San Patricio	Refugio	Calhoun	Jackson
Location (Nearest town)	Edroy	Austwell	Port Lavaca	Edna
Latitude, Longitude	28.07463, -97.58933	28.40729, -96.88986	28.60901, -96.65948	29.004795, -96.715805
Cooperator	Ring Bros Farm	Gerad Lenhart	Danny May	Albert and Jonathan Andel
Soil Type	Victoria clay, 0 to 1% slopes	Victoria clay, 0 to 1% slopes	Laewest clay, 0 to 1% slopes	Laewest clay, 0 to 1 percent slopes
Irrigation	none	none	none	none
Precipitation (Estimated)	10.5"	20.5"	25.8"	19.2”
Previous Crop	sorghum	sorghum	sorghum	
Row Spacing (in)	40"	38"	38"	38”
Plot Dimensions	6 rows X 1600 ft	2 rows X 30 ft	2 rows X 30 ft	12 rows x 1600 ft
Area harvested/plot	0.73 acres	0.004 acres	0.004 acres	1.4 acre
Plant Population (/Ac)	43,000	45,000	55,000	42,000
Planting Date	3/28/2024	3/15/2024	4/1/2024	4/2/24
Harvest Date	8/23/2024	8/13/2024	9/4/2024	8/28/24
Yield Limiting Factor(s)				

Table 1. Continued.

County	Matagorda	Wharton	Fort Bend	Colorado
Location (Nearest town)	Tin Top	Cresent	Beasley	Eagle Lake
Latitude, Longitude	28.786593, -96.115461	29.24981, -96.21875	29.48905, -95.99697	29.513814, -96.366525
Cooperator	Bill Hansen	Michael Beard	Alan & Lisa Stasney	Mahalitc Farms
Soil Type	Laewest clay, 0 to 1 percent slopes	Lake Charles clay, 0 to 1 percent slopes	Lake Charles clay and Bernard clay loam, 0 to 1 percent slopes	Norwood silty clay loam, 0 to 1 percent slopes, occasionally flooded
Irrigation	none	none	furrow	none
Precipitation (Estimated)	33.4”	17.8”	34.5”	22.6”
Previous Crop	Sorghum	Corn	Corn	Cotton
Row Spacing (in)	40	40	36	36
Plot Dimensions	6 rows x 1425 ft	6 rows x 1100 ft	6 rows x 1700 ft	12 row x 1800 ft
Area harvested/plot	0.65 acre	0.48 acre	0.78 acre	1.49 acre
Plant Population (/Ac)	42,000	35,000	33,700	31,770
Planting Date	4/4/24	3/28/24	3/30/24	4/3/24
Harvest Date	8/30/24	8/19/24	9/12/24	9/3/24
Yield Limiting Factor(s)				

Table 1. Continued.

County	Burleson	Medina	Falls	Williamson
Location (Nearest town)	Snook	Lytle	Rosebud	Hutto
Latitude, Longitude	30.5361, -96.42142	29.269864, -98.813836	31.15688	30.5857,
Cooperator	AgriLife Research Farm	Kriewald Farms	-96.807218	-97.55001
Soil Type	Belk clay, 0 to 1 percent slopes, rarely flooded	Victoria clay, 0 to 1 percent slopes	Rodney Stepehens	Kruger Farms
Irrigation	furrow	linear	Highbank silty clay loam, rarely flooded	Branyon clay, 0 to 1 percent slopes
Precipitation (Estimated)	25.”	13.4”	pivot	none
Previous Crop	Corn	Corn	4.8”	8.5”
Row Spacing (in)	40	36	Corn	Corn
Plot Dimensions	2 rows x 675 ft	6 rows x 1050 ft	36”	38
Area harvested/plot	0.08 acre	0.44 acre	6 rows x 1600 ft	6 rows x 1150 ft
Plant Population (/Ac)	36,190	41,000	0.66 acre	0.51 acre
Planting Date	4/15/24	4/4/24	42,000	35,270
Harvest Date	9/23/24	10/11/24	4/16/24	5/24/24
Yield Limiting Factor(s)				

Table 1. Continued.

County	Navarro	Delta
Location (Nearest town)	Corsicana	Commerce
Latitude, Longitude	32.06136, -96.60727	33.32054, -95.96122
Cooperator	Reed Farms	CCRI & ET A&M
Soil Type	Houston Black clay, 1 to 3 percent slopes	Crockett Loam, 1 to 3 percent slopes
Irrigation	none	none
Precipitation (Estimated)	4.4”	8"
Previous Crop	Corn	Wheat
Row Spacing (in)	30	30"
Plot Dimensions	12 rows x 1150 ft	8 rows x 800 ft
Area harvested/plot	0.80 acre	0.37 acre
Plant Population (/Ac)	42,000	33,000
Planting Date	5/21/24	6/10/24
Harvest Date	10/15/24	10/24/24
Yield Limiting Factor(s)		late season planting - summer drought

Table 1. Continued.

County	LRGV Monster	Corpus Christi Monster	Mid-Coast Monster	Upper Coast Monster
Location (Nearest town)	Monte Alto	Robstown	Port Lavaca	Elmaton
Latitude, Longitude	26.35169, -97.89839	27.78012, -97.56151	28.60901, -96.65948	28.85728, -96.13915
Cooperator	Texas AgriScience	Texas A&M AgriLife Research	Danny May	Dean Hansen
Soil Type	Raymondville clay loam, 0 to 1% slopes	Victoria clay, 0 to 1% slopes	Laewest clay, 0 to 1% slopes	Laewest clay, 0 to 1% slopes
Irrigation	One irrigation (furrow)	none	none	none
Precipitation (Estimated)	11.9"	12.4"	25.8"	36.3"
Previous Crop	sorghum	sorghum	sorghum	cotton
Row Spacing (in)	40"	38"	38"	38"
Plot Dimensions	2 rows X 48 ft	2 rows X 35 ft	2 rows X 30 ft	2 rows X 37 ft
Area harvested/plot	0.007 acres	0.005 acres	0.004 acres	0.005 acres
Plant Population (/Ac)	45,000	62,400	55,000	62,400
Planting Date	4/5/2024	3/25/2024	4/1/2024	4/3/2024
Harvest Date	8/25/2024	8/21/2024	9/9/2024	9/9/2024
Yield Limiting Factor(s)				

Table 1. Continued.

County	Stiles Farm Monster	Bell County Monster
Location (Nearest town)	Thrall	Temple
Latitude, Longitude	30.600451 -97.299247	31.054778, -97.347133
Cooperator	Ryan Collett	USDA/AgriLife
Soil Type	Burleson clay, 0 to 1 percent slopes	Houston Black clay, 1 to 3 percent slopes
Irrigation	none	none
Precipitation (Estimated)	5.3”	20.8”
Previous Crop	corn	Corn
Row Spacing (in)	30”	30
Plot Dimensions	1 row x 40 ft	
Area harvested/plot	.003 acre	
Plant Population (/Ac)	52,000	52,000
Planting Date	4/12/24	4/5/24
Harvest Date	9/4/24	9/13/24
Yield Limiting Factor(s)		

Table 2. Variety rankings based on lint value, Lower Rio Grande Valley, 2024.
*Denotes varieties not represented at all locations

Location	Hidalgo (TX AgriScience)	Hidalgo (Gonzalez)	Mean Ranking
Mean Yield (lbs/acre)	1429	1263	
NG 4190 B3XF	1	1	1
DP 2131 B3TXF	2	3	2.5
DG 3503 B3XF	4	2	3
ST 6000 AXTP	3	5	4
DP 2012 B3XF	6	4	5
PHY 415 W3FE	7	8	7.5
DG 3528 B3XF	10	6	8
FM 868 AXTP	8	9	8.5
NG 3457 B3XF	9	10	9.5
PHY 137 W3E1	5		*
PHY 400 W3FE		7	*

Table 3. Variety rankings based on lint value, Lower Rio Grande Valley, 2024.
*Denotes varieties not represented at all locations

Location	Nueces (Lawhon)	Nueces (CCAREC)	San Patricio	Refugio	Mean Ranking
Mean Yield (lbs/acre)	**1347**	**926**	**859**	**979**	
NG 4190 B3XF	3	2	1	1	**1.8**
DP 2131 B3TXF	6	3	3	3	**3.8**
DG 3503 B3XF	9	1	2	8	**5**
DP 2012 B3XF	7	7	4	4	**5.5**
ST 6000 AXTP	5	6	6	5	**5.5**
DG 3528 B3XF	8	9	5	2	**6**
FM 868 AXTP	4	10	7	7	**7**
NG 3457 B3XF	10	8	8	6	**8**
PHY 415 W3FE	1	4	9		*
PHY 137 W3E1	2	5			*
PHY 400 W3FE			10		*

Table 4. Variety ranking based on lint value, Upper Gulf Coast Counties, 2024.

Location	Jackson	Matagorda	Wharton	Fort Bend	Colorado	Mean Rank
Mean Yield (lbs/A)	**813**	**756**	**669**	**518**	**770**	
Variety						
PHY 400 W3FE	5	4	2	3		**3.5**
DP 2012 B3XF	4	6	4	2	5	**4.2**
DP 2131 B3TXF	3	5	5	7	2	**4.4**
NG 4190 B3XF	2	10	1	1	8	**4.4**
PHY 415 W3FE	6	8	3		1	**4.5**
DG 3528 B3XF	7	2	6	4	7	**5.2**
DG 3503 B3XF	1	9	10	6	3	**5.8**
ST 6000 AXTP	8	1	9	5	9	**6.4**
FM 868 AXTP	9	7	7	8	4	**7**
NG 3457 B3XF	10	3	8	9	6	**7.2**

Table 5. Variety ranking based on lint value, Cen-Tex Irrigated Counties, 2024.

Location[1]	Burleson	Medina	Falls	Mean
Mean Yield (lbs/A)	773	1103	1095	
Variety				
NG 4190 B3XF	1	3	1	**1.7**
PHY 415 W3FE	4	1		**2.5**
DG 3528 B3XF	3	2	3	**2.7**
ST 6000 AXTP	2	5	6	**4.3**
DP 2012 B3XF	8	6	2	**5.3**
DP 2131 B3TXF	6	7	4	**5.7**
FM 868 AXTP	5	8	5	**6.0**
NG 3457 B3XF	10	4	8	**7.3**
PHY 137 W3E1	7	9		**8.0**
DG 3503 B3XF	9	10	7	**8.7**

[1] All locations were irrigated

Table 6. Hidalgo County RACE Trial, 2024
Cooperator: Texas AgriScience, LLC
Vidal Saenz - Hidalgo County Extension Agent, Agriculture and Natural Resources
Danielle Sekula – Hidalgo, Cameron, and Willacy County IPM Agent
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
NG 4190 B3XF	1923	a	46.4	ab	5.5	a	1.19	e	30.9	f	84.1	cd	49.98	e	961	a
DP 2131 B3TXF	1772	b	45.7	bc	5.2	bcd	1.23	abc	31.4	ef	83.1	e	50.38	cde	893	b
ST 6000 AXTP	1680	bc	47.6	a	5.1	cde	1.23	ab	35.0	a	84.4	bc	51.69	ab	868	bc
DG 3503 B3XF	1625	cd	45.7	bc	4.9	e	1.22	a-d	32.2	d	83.5	de	52.16	a	847	bcd
PHY 137 W3E1	1683	bc	45.1	cd	5.4	ab	1.24	a	34.9	a	85.0	ab	50.23	de	845	bcd
DP 2012 B3XF	1617	cd	44.2	def	5.1	de	1.21	b-e	32.1	de	83.9	cd	52.20	a	844	bcd
PHY 415 W3FE	1631	cd	44.9	cde	5.5	a	1.20	de	35.4	a	85.1	a	50.23	de	819	cd
FM 868 AXTP	1602	cd	43.5	f	5.3	abc	1.22	a-d	33.9	b	84.2	cd	50.56	cde	810	cd
NG 3457 B3XF	1583	cd	43.9	ef	5.4	ab	1.22	a-d	32.9	c	84.3	bc	50.88	bcd	806	d
DG 3528 B3XF	1540	d	44.3	def	5.1	cde	1.20	cde	31.9	de	83.7	cd	51.20	bc	789	d
Mean	**1666**		**45.1**		**5.2**		**1.22**		**33.1**		**84.1**		**50.95**		**848**	
P>F	0.0007		0.0001		0.0015		0.0488		0.0001		0.0011		0.0004		0.0021	
LSD (P=.10)	121.0		1.22		0.21		0.027		0.71		0.71		0.871		60.0	
STD DEV	100.49		1.01		0.18		0.02		0.59		0.59		0.72		49.82	
CV%	6.03		2.25		3.36		1.82		1.79		0.70		1.42		5.87	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 7. Hidalgo County RACE Trial, 2024
Cooperator: Balde Gonzalez
Vidal Saenz - Hidalgo County Extension Agent, Agriculture and Natural Resources
Danielle Sekula – Hidalgo, Cameron, and Willacy County IPM Agent
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
NG 4190 B3XF	1429	a	46.1	b	5.1	ab	1.12	ef	27.9	b	81.7	-	51.47	c	735	a
DG 3503 B3XF	1349	ab	45.7	bc	4.7	e	1.20	a	31.6	a	82.4	-	54.00	a	728	a
DP 2131 B3TXF	1341	ab	45.5	bcd	4.8	de	1.17	abc	28.7	b	81.5	-	53.62	ab	719	ab
DP 2012 B3XF	1288	bc	44.2	de	5.0	bc	1.15	cde	28.6	b	82.7	-	51.83	c	668	bc
ST 6000 AXTP	1286	bc	47.8	a	5.2	a	1.18	ab	31.4	a	82.8	-	50.92	c	654	cd
DG 3528 B3XF	1245	cd	44.8	b-e	5.0	ab	1.16	bcd	29.0	b	82.4	-	51.92	c	647	cde
PHY 400 W3FE	1217	cd	45.4	bcd	5.0	bc	1.11	f	29.1	b	81.8	-	52.28	bc	638	cde
PHY 415 W3FE	1178	de	44.6	cde	4.9	cd	1.14	def	29.1	b	81.7	-	51.77	c	610	def
FM 868 AXTP	1170	de	43.5	e	5.0	ab	1.13	def	29.3	b	81.7	-	50.90	c	596	ef
NG 3457 B3XF	1123	e	45.4	bcd	5.1	ab	1.14	de	28.4	b	82.2	-	51.07	c	573	f
Mean	**1263**		**45.3**		**5.0**		**1.15**		**29.3**		**82.1**		**51.98**		**657**	
P>F	0.0004		0.0074		0.0029		0.0018		0.0043		0.6555		0.0409		0.0003	
LSD (P=.10)	90.6		1.47		0.18		0.03		1.45		1.27		1.63		52.3	
STD DEV	63.98		1.04		0.12		0.02		1.02		0.90		1.15		36.97	
CV%	5.07		2.30		2.51		1.96		3.48		1.09		2.22		5.63	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 8. Nueces County RACE Trial, 2024
Cooperator: Darrell Lawhon
Jaime Lopez - Nueces County Extension Agent, Agriculture and Natural Resources
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
PHY 415 W3FE	1562	a	38.8	-	4.7	b	1.15	a	32.1	ab	83.5	a	53.92	a	842	a
PHY 137 W3E1	1538	ab	36.6	-	4.3	d	1.17	a	32.1	ab	83.2	ab	53.95	a	830	ab
NG 4190 B3XF	1471	abc	36.5	-	4.8	b	1.13	bc	28.7	e	83.0	abc	53.47	a	787	abc
FM 868 AXTP	1393	bcd	38.1	-	4.7	b	1.11	c	30.7	cd	82.4	bcd	53.55	a	746	bcd
ST 6000 AXTP	1331	cde	39.0	-	4.7	b	1.15	ab	32.5	a	83.2	a	53.97	a	719	cde
DP 2131 B3TXF	1267	de	38.9	-	4.7	b	1.15	a	29.9	de	82.0	de	53.63	a	680	def
DP 2012 B3XF	1267	de	35.7	-	4.7	b	1.12	c	29.3	e	82.0	de	53.40	a	677	def
DG 3528 B3XF	1241	de	36.9	-	4.8	b	1.13	bc	29.8	de	82.4	cde	53.48	a	664	def
DG 3503 B3XF	1207	e	37.3	-	4.5	c	1.17	a	31.1	bc	82.2	de	53.87	a	650	ef
NG 3457 B3XF	1188	e	35.5	-	4.9	a	1.12	c	29.9	de	81.7	e	51.70	b	613	f
Mean	**1347**		**37.3**		**4.7**		**1.14**		**30.6**		**82.6**		**53.49**		**721**	
P>F	0.0061		0.7863		0.0001		0.0006		0.0002		0.0049		0.0005		0.0032	
LSD (P=.10)	168.8		NS		0.12		0.020		1.20		0.753		0.657		90.5	
STD DEV	119.21		2.95		0.09		0.01		0.85		0.53		0.46		63.91	
CV%	8.85		7.89		1.88		1.22		2.78		0.64		0.87		8.87	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 9. Nueces County RACE Trial, 2024
Cooperator: Texas A&M AgriLife Research
Jaime Lopez - Nueces County Extension Agent, Agriculture and Natural Resources
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
DG 3503 B3XF	970	abc	46.0	bc	4.9	g	1.16	a	32.7	b	82.8	ab	53.31	a	516	a
NG 4190 B3XF	1052	a	47.0	b	5.5	a	1.09	de	28.6	e	82.2	bc	48.80	de	513	a
DP 2131 B3TXF	947	bc	45.2	cde	5.1	f	1.16	a	30.6	cd	82.6	ab	51.19	b	485	ab
PHY 415 W3FE	980	ab	45.8	cd	5.4	a-d	1.09	de	31.0	c	82.1	bc	48.96	cde	480	ab
PHY 137 W3E1	943	bc	45.5	cd	5.4	bcd	1.15	ab	34.4	a	83.5	a	50.33	bc	475	abc
ST 6000 AXTP	903	bc	48.8	a	5.2	ef	1.12	bc	32.7	b	82.5	bc	50.33	bc	454	bc
DP 2012 B3XF	946	bc	44.5	ef	5.3	de	1.07	ef	28.7	e	81.6	c	47.86	e	453	bc
NG 3457 B3XF	890	bc	45.0	de	5.4	abc	1.10	cd	29.8	de	82.8	ab	49.46	cd	440	bc
DG 3528 B3XF	883	c	45.5	cde	5.3	cde	1.08	de	29.3	e	81.9	bc	48.81	de	431	c
FM 868 AXTP	746	d	43.9	f	5.5	ab	1.06	f	30.5	cd	82.0	bc	47.71	e	356	d
Mean	**926**		**45.7**		**5.3**		**1.11**		**30.8**		**82.4**		**49.68**		**460**	
P>F	0.002		0.0001		0.0001		0.0001		0.0001		0.0681		0.0001		0.0003	
LSD (P=.10)	95.2		1.03		0.12		0.027		1.15		0.896		1.383		48.2	
STD DEV	79.02		0.86		0.10		0.02		0.95		0.74		1.15		40.06	
CV%	8.53		1.87		1.89		2.00		3.09		0.90		2.31		8.70	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 10. San Patricio County RACE Trial, 2024
Cooperator: Ring Bros Farm
Bob McCool – San Patricio County Extension Agent, Agriculture and Natural Resources
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
NG 4190 B3XF	1100	a	47.0	a	5.4	a	1.11	cd	28.0	f	82.6	-	49.08	d	540	a
DG 3503 B3XF	959	b	46.8	ab	4.8	e	1.19	a	31.0	b	82.7	-	53.90	a	517	ab
DP 2131 B3TXF	949	b	45.0	bcd	5.2	d	1.17	a	30.3	b-e	83.1	-	50.73	bc	481	bc
DP 2012 B3XF	930	b	43.8	de	5.2	cd	1.11	cd	28.9	c-f	82.1	-	49.65	cd	462	cd
DG 3528 B3XF	895	bc	44.6	cd	5.4	a	1.13	bc	29.3	b-f	82.9	-	49.32	d	442	cd
ST 6000 AXTP	832	cd	46.5	abc	5.2	bcd	1.17	ab	33.1	a	83.5	-	51.02	b	425	d
FM 868 AXTP	763	de	42.7	e	5.3	abc	1.13	c	30.8	bc	82.9	-	50.08	bcd	382	e
NG 3457 B3XF	764	de	45.3	a-d	5.4	a	1.12	cd	28.8	ef	82.5	-	49.33	d	377	ef
PHY 415 W3FE	717	e	46.2	abc	5.4	ab	1.13	c	30.7	bcd	82.8	-	49.62	cd	356	ef
PHY 400 W3FE	686	e	46.6	ab	5.3	a-d	1.09	d	28.9	def	81.7	-	49.13	d	337	f
Mean	**859**		**45.5**		**5.3**		**1.13**		**30.0**		**82.7**		**50.19**		**432**	
P>F	0.0001		0.0107		0.0001		0.0013		0.0087		0.5773		0.0001		0.0001	
LSD (P=.10)	78.9		1.87		0.16		0.033		1.93		NS		1.126		42.4	
STD DEV	55.73		1.32		0.11		0.02		1.36		0.96		0.80		29.98	
CV%	6.48		2.90		2.10		2.04		4.54		1.16		1.58		6.94	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 11. Refugio RACE Trial, 2024
Cooperator: Lenhart Farms
Boogie Barber - Refugio County Extension Agent, Agriculture and Natural Resources
Stephen Biles – Victoria, Calhoun, and Refugio County IPM Agent
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Lint (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lb)		Lint Value ($/acre)[1]	
NG 4190 B3XF	1134	a	43.0	bc	4.0	c	1.21	bc	30.8	bc	83.6	-	54.04	-	613	a
DG 3528 B3XF	1051	a	42.3	cd	4.3	ab	1.24	a	30.8	bc	82.9	-	53.98	-	567	a
DP 2131 B3TXF	1038	a	44.3	ab	4.0	c	1.24	a	30.5	c	82.0	-	53.93	-	560	ab
DP 2012 B3XF	1035	ab	39.9	e	4.1	bc	1.23	ab	31.1	bc	82.5	-	53.95	-	558	ab
ST 6000 AXTP	932	bc	45.3	a	4.1	bc	1.23	ab	32.2	ab	82.9	-	54.13	-	504	bc
NG 3457 B3XF	897	c	42.0	cd	4.4	a	1.19	c	30.6	bc	82.5	-	53.84	-	483	c
FM 868 AXTP	882	c	41.1	de	3.8	d	1.19	c	30.3	c	82.0	-	53.83	-	475	c
DG 3503 B3XF	865	c	43.0	bc	3.7	d	1.26	a	33.3	a	83.0	-	54.13	-	468	c
Mean	**979**		**42.6**		**4.1**		**1.22**		**31.2**		**82.7**		**53.98**		**529**	
P>F	0.0017		0.0004		0.0003		0.0045		0.0455		0.1939		0.1015		0.0018	
LSD (P=.10)	106.0		1.62		0.22		0.028		1.56		NS		NS		57.5	
STD DEV	87.14		1.33		0.18		0.02		1.28		0.85		0.16		47.28	
CV%	8.90		3.13		4.44		1.88		4.11		1.03		0.30		8.94	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 12. Calhoun County RACE Trial, 2024
Cooperator: Danny May
Hailey Hayes – Calhoun County Extension Agent, Agriculture and Natural Resources
Stephen Biles - Victoria, Calhoun, and Refugio County IPM Agent
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	1695	a	46.9	abc	5.0	-	1.19	-	32.0	bcd	83.8	-	52.40	-	889	a
DG 3528 B3XF	1499	ab	45.1	cd	4.7	-	1.21	-	31.1	d	83.9	-	53.98	-	809	ab
DG 3503 B3XF	1467	ab	47.4	ab	4.4	-	1.21	-	33.3	ab	83.2	-	54.10	-	794	ab
PHY 400 W3FE	1479	ab	46.1	bcd	4.7	-	1.14	-	32.9	abc	82.3	-	53.10	-	785	ab
DP 2012 B3XF	1448	abc	45.2	cd	4.6	-	1.19	-	31.7	cd	83.1	-	54.00	-	782	ab
DP 2131 B3TXF	1331	bc	45.9	bcd	4.7	-	1.17	-	32.0	bcd	82.4	-	53.87	-	717	bc
ST 6000 AXTP	1304	bc	48.4	a	4.8	-	1.21	-	33.5	ab	84.0	-	54.13	-	706	bc
PHY 137 W3FE	1297	bc	45.7	bcd	4.8	-	1.20	-	33.5	ab	83.6	-	54.13	-	702	bc
FM 868 AXTP	1170	cd	44.3	d	4.7	-	1.21	-	34.2	a	84.0	-	54.18	-	634	cd
Mean	**1370**		**46.1**		**4.7**		**1.19**		**32.6**		**83.2**		**53.70**		**735**	
P>F	0.0334		0.0504		0.5014		0.2813		0.0298		0.1717		0.1473		0.0462	
LSD (P=.10)	283.8		1.90		NS		NS		1.56		NS		NS		154.4	
STD DEV	200.45		1.34		0.26		0.03		1.10		0.98		0.80		109.07	
CV%	14.63		2.91		5.47		2.91		3.38		1.18		1.49		14.83	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 13. Jackson County RACE Trial, 2024
Cooperator: Albert and Jonathan Andel
Michael Hiller - Jackson County Extension Agent, Agriculture and Natural Resources
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
DG 3503 B3XF	1661	a	45.4	bc	4.3	e	1.21	a	32.4	a	83.5	-	54.05	a	898	a
NG 4190 B3XF	1697	a	46.5	ab	4.8	bc	1.15	bcd	29.2	bc	83.5	-	52.02	c	883	a
DP 2131 B3TXF	1660	a	46.5	ab	4.9	abc	1.18	ab	31.2	ab	83.2	-	52.25	bc	867	ab
DP 2012 B3XF	1610	a	44.7	de	4.8	c	1.16	bcd	28.6	cd	83.1	-	53.60	a	863	ab
PHY 400 W3FE	1604	a	45.8	bc	4.9	bc	1.14	cd	30.4	ab	83.1	-	52.83	abc	847	abc
PHY 415 W3FE	1564	b	46.6	ab	4.8	bc	1.17	bc	29.2	bc	82.4	-	53.73	a	840	abc
DG 3528 B3XF	1565	b	45.2	cd	5	ab	1.15	bcd	28.2	d	83.1	-	51.83	c	811	bc
ST 6000 AXTP	1464	c	47.6	a	4.8	bc	1.17	bc	32	a	83.5	-	53.95	a	790	c
FM 868 AXTP	1252	d	43.4	e	4.5	d	1.12	d	29.8	bc	82.6	-	53.48	ab	670	d
NG 3457 B3XF	1317	d	46.8	ab	5.1	a	1.13	d	28.4	cd	81.9	-	50.38	d	664	d
Mean	**1540**		**45.8**		**4.8**		**1.156**		**29.9**		**83.0**		**52.81**		**813**	
P>F	0.0001		0.0062		0.0001		0.0281		0.0182		0.6576		0.0011		0.0001	
LSD (P=.10)	111		1.5		0.18		0.039		2.07		1.54		1.243		63.9	
STD DEV	78.4		1.06		0.13		0.028		1.46		1.09		0.878		45.1	
CV%	5.09		2.32		2.71		2.39		4.88		1.31		1.66		5.55	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 14. Matagorda County RACE Trial, 2024
Cooperator: Hansen Farms
Greg Baker - Matagorda County Extension Agent, Agriculture and Natural Resources
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)	Turnout %	Micronaire		Length (inches)	Strength (g/tex)	Uniformity		Loan Value (¢/lbs)	Lint Value ($/Ac)[1]
ST 6000 AXTP	1500	44.8	4.0	cde	1.22	35.9	84.7	a	54.32	815
DG 3528 B3XF	1478	43.0	4.4	abc	1.21	33.3	84.7	a	54.15	800
NG 3457 B3XF	1446	43.2	4.3	bcd	1.22	33.3	83.3	b	54.15	783
PHY 400 W3FE	1433	45.7	4.2	b-e	1.24	34.4	84.8	a	54.22	777
DP 2131 B3TXF	1424	43.0	4.0	de	1.23	33.9	84.6	a	52.60	750
DP 2012 B3XF	1364	43.1	4.7	a	1.21	31.5	83.3	b	54.05	737
FM 868 AXTP	1349	43.7	4.0	cde	1.26	32.9	83.3	b	54.18	731
PHY 415 W3FE	1345	41.8	3.9	e	1.23	34.0	83.9	ab	54.23	729
DG 3503 B3XF	1327	43.2	4.2	b-e	1.22	32.9	83.3	b	54.08	718
NG 4190 B3XF	1326	42.9	4.5	ab	1.22	32.0	83.1	b	54.07	717
Mean	**1399**	**43.5**	**4.2**		**1.23**	**33.4**	**83.9**		**54.01**	**756**
P>F	0.1191	0.1352	0.0213		0.7507	0.1248	0.0464		0.4398	0.1572
LSD (P=.10)	115.36	1.967	0.3487		0.0445	2.225	1.114		1.1964	66.5
STD DEV	81.48	1.389	0.2463		0.0314	1.572	0.787		0.845	47
CV%	5.82	3.2	5.81		2.56	4.71	0.94		1.56	6.21

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 15. Wharton County RACE Trial - 2024
Cooperator: Pflughaupt Farms
Corrie Bowen, County Extension Agent, Kate Harrell, Extension Agent- IPM
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	1448	a	45.6	ab	4.7	a	1.18	ab	30.5	b	84.7	-	53.85	-	780	a
PHY 400 W3FE	1313	b	44.2	bcd	4.7	a	1.17	ab	33.4	a	84.9	-	54.07	-	710	b
PHY 415 W3FE	1289	bc	44.1	bcd	4.7	a	1.17	ab	32.8	a	84.5	-	54.07	-	697	bc
DP 2012 B3XF	1283	bc	43.5	cd	4.4	b	1.17	ab	30.0	b	83.7	-	53.80	-	690	bc
DP 2131 B3TXF	1273	bc	45.1	abc	4.8	a	1.18	a	30.1	b	83.3	-	52.98	-	675	bc
DG 3528 B3XF	1232	cd	43.9	bcd	4.7	a	1.17	ab	30.5	b	84.1	-	53.82	-	663	cd
FM 868 AXTP	1166	de	42.5	d	4.4	b	1.15	bc	33.2	a	83.3	-	54.03	-	630	de
NG 3457 B3XF	1171	de	44.2	bcd	4.7	a	1.12	c	29.8	b	83.0	-	53.37	-	625	ef
ST 6000 AXTP	1154	de	47.0	a	4.7	a	1.17	ab	33.2	a	83.8	-	53.94	-	622	ef
DG 3503 B3XF	1096	e	46.6	a	4.2	c	1.19	a	33.0	a	83.3	-	54.18	-	594	f
Mean	**1244**		**44.6**		**4.6**		**1.17**		**31.5**		**83.8**		**53.82**		**669**	
P>F	0.0001		0.0327		0.0002		0.0344		0.0005		0.192		0.1326		0.0002	
LSD (P=.10)	79.16		2.012		0.1759		0.0271		1.436		1.27		0.683		46.4	
STD DEV	55.53		1.411		0.1234		0.019		1.008		0.891		0.4791		32.6	
CV%	4.46		3.16		2.69		1.63		3.19		1.06		0.89		4.87	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 16. Fort Bent County RACE Trial, 2024
Cooperator: Lisa and Alan Stasney
John Few – Fort Bend Extension Agent, Agriculture and Natural Resources
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	1109	a	44.1	c	4.6	b	1.20	e	31.4	d	83.8	-	53.97	-	599	a
DP 2012 B3XF	1059	a	42.9	de	4.6	b	1.22	cd	32.1	cd	83.2	-	54.03	-	572	ab
PHY 400 W3FE	1026	a	44.3	bc	4.4	bc	1.22	cde	34.7	ab	83.5	-	54.15	-	555	abc
DG 3528 B3XF	989	b	42.5	ef	4.4	bc	1.22	cde	31.4	d	83.6	-	54.03	-	534	bc
ST 6000 AXTP	983	b	46.6	a	4.6	b	1.22	cd	34.0	b	83.9	-	54.22	-	533	bc
DG 3503 B3XF	937	c	45.3	b	4.2	c	1.27	a	34.0	b	84.0	-	54.22	-	508	cd
DP 2131 B3TXF	930	c	44.5	bc	4.6	b	1.25	b	32.1	cd	83.7	-	54.07	-	503	cde
PHY 137 W3E1	879	d	43.8	cd	4.4	bc	1.24	bc	35.3	a	83.9	-	54.22	-	477	def
FM 868 AXTP	830	f	41.6	f	4.3	c	1.21	de	34.1	b	83.9	-	54.20	-	450	ef
NG 3457 B3XF	834	ef	44.2	bc	4.9	a	1.21	de	32.6	c	84.2	-	53.30	-	445	f
Mean	**958**		**44.0**		**4.5**		**1.23**		**33.2**		**83.8**		**54.04**		**518**	
P>F	0.0012		0.0001		0.013		0.0008		0.0001		0.421		0.3998		0.0011	
LSD (P=.10)	98.41		1.171		0.2626		0.0213		1.159		0.724		0.6402		53.4	
STD DEV	69.5		0.827		0.1855		0.015		0.818		0.511		0.4522		37.7	
CV%	7.26		1.88		4.12		1.23		2.47		0.61		0.84		7.29	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 17. Colorado County RACE Trial, 2024
Cooperator: Mahalitc Farms
Laramie Naumann, County Extension Agent
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PHY 137 W3E1	14	bc	42.6	d	4.2	ab	1.24	ab	34.6	a	84.5	-	54.25	a	853	-
PHY 415 W3FE	15	a	43.7	bcd	4.1	bc	1.20	c	33.5	ab	83.3	-	54.20	ab	798	-
DP 2131 B3TXF	13	d	44.2	b	4.2	b	1.26	a	31.5	c	83.8	-	54.15	ab	794	-
DG 3503 B3XF	13	cd	43.5	bcd	3.9	c	1.26	a	33.6	ab	83.1	-	54.18	ab	769	-
FM 868 AXTP	13	d	41.2	e	4.3	ab	1.20	bc	32.9	b	84.0	-	54.18	ab	768	-
DP 2012 B3XF	14	b	42.7	d	4.6	a	1.21	bc	30.8	c	82.6	-	53.95	d	764	-
NG 3457 B3XF	13	d	43.1	bcd	4.7	a	1.21	bc	31.5	c	83.3	-	54.05	cd	753	-
DG 3528 B3XF	14	bc	44.0	bc	4.2	b	1.23	ab	31.8	c	84.0	-	54.12	bc	742	-
NG 4190 B3XF	14	ab	42.8	cd	4.4	ab	1.22	bc	30.9	c	83.6	-	54.05	cd	731	-
ST 6000 AXTP	14	ab	45.9	a	4.5	ab	1.23	ab	34.0	ab	84.3	-	54.25	a	726	-
Mean	**1433**		**43.4**		**4.3**		**1.23**		**32.4**		**83.7**		**54.13**		**773**	
P>F	0.0008		0.001		0.0603		0.0364		0.0003		0.1891		0.0234		0.1738	
LSD (P=.10)	74.94		1.285		0.3337		0.0306		1.058		0.997		0.1158		66.1	
STD DEV	52.76		0.908		0.2308		0.0212		0.731		0.689		0.0801		45.1	
CV%	1433		43.4		4.3		1.23		32.4		83.7		54.13		773	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 18. Burleson County RACE Trial, 2024[1]
Texas A&M AgriLife Research and Extension Center, Snook, Texas
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[2]	
NG 4190 B3XF	2208	a	44.2	ab	4.4	-	1.22	d	30.6	c	83.4	bc	53.96	-	1191	a
ST 6000 AXTP	2109	a	45.3	a	4.3	-	1.25	b	33.4	ab	83.1	bc	54.16	-	1142	a
DG 3528 B3XF	2105	a	43.3	abc	4.3	-	1.25	b	30.4	c	83.7	ab	53.96	-	1136	a
PHY 415 W3FE	1998	ab	41.9	bcd	4.4	-	1.24	b	33.6	a	83.7	ab	54.15	-	1082	a
FM 868 AXTP	1841	bc	40.8	de	4.3	-	1.24	b	33.2	ab	84.4	a	54.24	-	998	b
DP 2131 B3TXF	1702	cd	43.9	abc	4.2	-	1.24	c	30.2	c	81.9	d	53.86	-	917	c
PHY 137 W3E1	1686	cd	41.7	cd	4.3	-	1.29	a	33.2	ab	84.6	a	53.61	-	904	c
DP 2012 B3XF	1618	cd	38.6	e	4.2	-	1.22	d	30.4	c	82.6	cd	53.86	-	872	d
DG 3503 B3XF	1612	cd	44.7	a	3.8	-	1.26	b	32.8	b	82.8	cd	54.14	-	872	d
NG 3457 B3XF	1536	d	42.0	bcd	4.4	-	1.24	c	30.9	c	83.0	bc	54.01	-	829	d
Mean	**1847**		**42.6**		**4.3**		**1.25**		**31.9**		**83.3**		**54.00**		**997**	
P>F	0.0001		0.0021		0.2273		0.0001		0.0001		0.0012		0.7027		0.0001	
LSD (P=.10)	232.1		2.42		0.33		0.018		0.8		0.91		0.538		125.2	
STD DEV	192.4		2.01		0.28		0.015		0.66		0.76		0.447		103.8	
CV%	10.42		4.72		6.51		1.22		2.08		0.91		0.83		10.41	

[1] Indicates the location was irrigated
[2] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 19. Medina County RACE Trial, 2024[1]
Cooperator: David Kriewald
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)[2]		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[3]	
PHY 415 W3FE	2292		42.9		4.4		1.20		30.4	ab	83.2	a-	53.92		1223	a
DG 3528 B3XF	2212		43.2		4.2		1.18		29.0	c	81.8	f	53.68		1198	a
NG 4190 B3XF	2046		43.1		4.2		1.18		28.8	c	83.4	ab	53.75		1188	a
NG 3457 B3XF	2145		44.6		4.5		1.20		29.7	bc	82.9	bc	53.77		1158	a
ST 6000 AXTP	2213		44.8		4.6		1.21		31.4	a	83.6	ab	54.02		1145	ab
DP 2012 B3XF	2202		42.1		4.3		1.19		29.0	c	82.5	de	53.68		1143	ab
DP 2131	2048		43.8		4.2		1.22		29.5	bc	83.7	a	53.87		1102	ab
FM 868 AXTP	1964		41.3		4.3		1.19		30.6	ab	83.0	a-	53.93		1053	ab
PHY 332 W3FE	1767		42.2		4.1		1.18		30.7	ab	82.7	cd	53.95		977	bc
DG 3503 B3XF	1777		43.8		4.0		1.19		30.0	abc	82.0	ef	53.80		852	c
Mean	**2066**		**43.2**		**4.3**		**1.19**		**29.9**		**82.9**		**53.84**		**1104**	
P>F	0.3881		0.2463		0.2339		0.5537		0.0735		0.0031		0.1198		0.0434	
LSD (P=.10)	431.57		2.32		0.3505		0.0334		1.417		0.742		0.2083		176.2	
STD DEV	235.43		1.639		0.2476		0.0236		1.001		0.524		0.1471		124.4	
CV%	11.39		3.8		5.77		1.98		3.35		0.63		0.27		11.27	

[1] Indicates the location was irrigated
[2] This location did appear to express a noticeable, possible yield-affecting degree of dicamba-type herbicide symptoms during the fruit set portion of the season
[3] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=Fibroma, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 20. Falls County RACE Trial, 2024
Cooperator: Rodney Stevens
Pasquale Swaner - Falls County Extension Agent, Agriculture and Natural Resources
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	2228	a	42.8	bc	4.0	a	1.19	-	29.8	b	83.3	a	53.87	a	1200	a
DP 2012 B3XF	2183	a	41.7	cd	4.0	a	1.19	-	29.3	b	81.9	cd	53.75	a	1174	a
DG 3528 B3XF	2125	a	41.8	cd	4.1	a	1.21	-	29.4	b	82.8	ab	53.82	a	1144	ab
DP 2131 B3TXF	2037	b	42.7	bc	3.8	bc	1.24	-	29.7	b	81.5	d	53.82	a	1096	bc
FM 868 AXTP	1998	c	40.5	d	3.7	c	1.20	-	30.9	a	82.6	abc	53.97	a	1078	cd
ST 6000 AXTP	1904	d	44.1	b	3.9	b	1.20	-	31.6	a	82.9	ab	54.03	a	1029	de
DG 3503 B3XF	2045	b	47.1	a	3.3	d	1.23	-	30.9	a	82.3	bcd	50.20	b	1028	de
NG 3457 B3XF	1879	e	42.2	c	4.2	a	1.20	-	29.7	b	82.8	abc	53.83	a	1012	e
Mean	**2050**		**42.9**		**3.9**		**1.21**		**30.2**		**82.5**		**53.41**		**1095**	
P>F	0.0004		0.0001		0.0001		0.1932		0.009		0.0628		0.0128		0.0006	
LSD (P=.10)	107.33		1.382		0.1625		0.0343		0.996		0.914		1.6151		63.8	
STD DEV	74.63		0.961		0.113		0.0239		0.693		0.636		1.1231		44.4	
CV%	3.64		2.24		2.92		1.98		2.3		0.77		2.1		4.05	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, FM=FiberMax, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 21. Williamson County RACE Trial, 2024
Cooperator: Rick and Tim Kruger
Gary Pastushok, County Extension Agent
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
DP 2131 B3TXF	1083	a	43.3	-	4.2	a	1.12	-	27.2	de	79.6	e	52.62	a	570	a
PHY 415 W3FE	1067	ab	42.1	-	3.6	bc	1.10	-	29.6	a	81.0	ab	51.38	a	549	ab
NG 3457 B3XF	995	bc	42.1	-	3.8	bc	1.08	-	27.5	cde	80.6	a-d	52.43	a	522	ab
DG 3528 B3XF	985	bc	43.8	-	3.7	bc	1.09	-	27.6	cde	80.4	a-e	52.72	a	519	ab
DP 2012 B3XF	978	cd	41.0	-	3.9	b	1.11	-	26.6	de	79.9	cde	52.77	a	516	b
PHY 332 W3FE	1006	abc	40.4	-	3.6	cd	1.10	-	27.9	bcd	80.7	abc	51.25	ab	514	b
NG 4190 B3XF	1039	abc	42.1	-	3.6	bc	1.09	-	26.2	e	80.3	b-e	48.83	bc	508	b
ST 6000 AXTP	896	de	43.7	-	3.3	de	1.08	-	29.3	ab	79.8	de	46.83	c	420	c
FM 868 AXTP	822	e	40.7	-	3.2	e	1.10	-	28.9	abc	80.4	a-e	46.87	c	387	c
DG 3503 B3XF	715	f	43.5	-	3.8	bc	1.11	-	29.1	ab	81.2	a	53.10	a	380	c
Mean	**959**		**42.3**		**3.7**		**1.10**		**28.0**		**80.4**		**50.88**		**489**	
P>F	0.0001		0.4455		0.0007		0.1105		0.0064		0.0733		0.0008		0.0001	
LSD (P=.10)	82.55		3.092		0.294		0.0241		1.454		0.868		2.516		51.7	
STD DEV	58.31		2.184		0.208		0.017		1.027		0.613		1.777		36.5	
CV%	6.08		5.17		5.63		1.55		3.67		0.76		3.49		7.47	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 22. Navarro County RACE Trial, 2024
Cooperator: Reed Farms
Andrew Lewis, County Extension Agent
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PHY 332 W3FE	414	bc	41.9	b	5.2	ab	1.053	a	27.2	b	79.8	ab	47.8	b	197	a
NG 4190 B3XF	428	ab	41.5	bc	4.9	ef	0.997	bc	23.9	cd	78.3	bcd	42.0	cd	179	ab
DG 3528 B3XF	354	d	40.2	bc	4.8	f	1.047	a	28.2	ab	80.2	a	50.6	a	179	ab
ST 4990B3XF	469	a	45.4	a	5.3	a	0.97	d	24.2	c	76.2	e	37.8	ef	177	ab
ST 4595B3XF	413	bc	40.8	bc	5.0	c-f	1.01	b	24.2	c	78.4	bc	42.3	c	175	ab
ST 4993B3XF	374	cd	41.8	bc	5.2	abc	0.973	d	28.5	a	79.6	ab	42.6	c	159	bc
DG 3456 B3XF	382	bcd	42.1	b	5.0	b-e	0.997	bc	24.3	c	76.6	de	40.9	cd	156	bc
DP 2020 B3XF	375	cd	39.4	c	4.9	def	0.973	d	23.5	cde	76.5	e	39.8	de	149	c
DP 2012 B3XF	373	cd	41.8	bc	4.9	ef	0.98	cd	22.4	e	76.9	cde	39.7	de	148	c
PHY 400 W3FE	403	bcd	42.4	b	5.2	a-d	0.933	e	22.9	de	76.4	e	36.6	f	147	c
Mean	**398**		**41.7**		**5.0**		**0.99**		**24.9**		**77.9**		**42.02**		**167**	
P>F	0.0368		0.0477		0.0144		0.0001		0.0001		0.0019		0.0001		0.0193	
LSD (P=.10)	51.06		2.475		0.2414		0.0216		1.247		1.721		2.314		23.7	
STD DEV	36.06		1.748		0.1705		0.0152		0.881		1.215		1.635		16.7	
CV%	9.05		4.19		3.39		1.53		3.53		1.56		3.89		10.03	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

Table 23. Delta County RACE Trial, 2024
Cooperator: CCRI & East Texas A&M
David Drake, Extension Agent-IPM
Dale A. Mott, Ben McKnight - Texas A&M AgriLife Extension, College Station

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
DP 2131 B3TXF	654	a	46.5	ab	4.3	a	1.12	bcd	29.3	bc	81.2	b	52.00	a	340	a
NG 4190 B3XF	636	a	46.7	ab	4.1	a	1.12	bcd	28.9	bc	82.3	ab	52.07	a	331	a
PHY 332 W3FE	577	a	44.6	b	4.9	a	1.14	bc	32.0	a	82.4	ab	52.37	a	302	a
ST 6000 AXTP	566	a	47.4	a	4.2	a	1.12	bcd	31.9	a	82.4	ab	52.38	a	296	a
DG 3503 B3XF	560	a	45.1	ab	4.2	a	1.20	a	31.2	ab	84.2	a	52.43	a	294	a
NG 3457 B3XF	542	a	45.6	ab	4.6	a	1.06	d	29.0	bc	81.9	b	52.05	a	282	a
DG 3528 B3XF	513	a	45.5	ab	4.8	a	1.10	cd	29.4	b	82.9	ab	52.12	a	267	a
DP 2012 B3XF	528	a	44.5	b	4.5	a	1.06	d	27.1	c	81.3	b	50.40	a	266	a
PHY 415 W3FE	475	a	45.7	ab	4.9	a	1.17	ab	32.3	a	83.3	ab	52.48	a	249	a
FM 868 AXTP	400	a	44.7	b	4.5	a	1.09	cd	31.0	ab	81.9	b	52.22	a	209	a
Mean	0.18		0.0143		0.38		0.0001		0.0		0.007		0.28		0.39	
P>F	N.S.		1.3		N.S.		0.037		1.3		1.13		N.S.		N.S	
LSD (P=.10)	119		9.23		0.47		0.026		0.9		0.8		0.9		64.1	
STD DEV	21.8		2		10.5		2.3		3.1		0.97		1.73		23.6	
CV%	0.18		0.0143		0.38		0.0001		0.0		0.007		0.28		0.39	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.
DG= Dyna-Gro, DP=DeltaPine, NG=NexGen, PHY=PhytoGen, ST= Stoneville.

*trial is late to be harvested and thus waiting on fiber grades.

Table 24. Lower Rio Grande Valley Monster Cotton Variety Trial, 2024
Cooperator: Texas AgriScience LLC
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	2240	a	46.7	b-e	5.3	e-k	1.16	i-n	29.7	tu	83.7	b-k	50.05	o-s	1120	a
ST 5931 AXTP	1871	b	46.1	b-f	5.0	qrs	1.19	d-h	31.0	m-q	82.4	m-q	52.05	def	973	b
ST 6000 AXTP	1840	bc	47.7	ab	5.1	l-q	1.21	a-d	34.0	abc	83.7	b-j	51.64	d-h	950	bc
AMX 12507 B3TXF	1820	bcd	42.1	m	5.2	j-n	1.20	c-f	32.2	h-l	83.6	e-k	51.21	f-l	931	bcd
DP 1646 B2XF	1812	b-e	45.4	e-j	5.2	i-m	1.22	abc	30.7	n-s	83.5	f-k	51.03	h-n	924	bcd
PHY 415 W3FE	1840	bc	45.4	e-j	5.4	b-e	1.20	d-g	33.3	b-g	84.5	b	50.18	n-r	923	b-e
AMX 12526 B3XF	1826	bcd	47.3	bcd	5.3	g-l	1.18	g-l	32.2	h-l	84.1	b-h	50.41	k-r	921	b-f
DP 2333 B3XF	1820	bcd	49.1	a	5.5	abc	1.14	n-q	30.0	r-u	82.3	n-q	49.66	rst	904	b-g
PX 1150F360-04	1758	b-f	45.0	f-k	5.3	e-i	1.21	b-e	33.4	a-g	84.3	b-g	50.54	j-r	889	b-h
DP 2239 B3XF	1758	b-g	47.5	abc	5.4	c-f	1.22	abc	30.9	n-r	83.9	b-i	49.96	p-t	878	b-i
DP 2131 B3TXF	1683	b-j	47.2	bcd	5.1	n-r	1.21	b-e	30.6	n-t	82.5	m-p	52.03	d-g	877	b-j
NG 3457 B3XF	1701	b-i	46.4	b-f	5.2	l-o	1.18	g-k	31.1	m-p	83.5	f-l	51.45	e-i	875	b-k
PX 1150F361-04	1736	b-h	45.0	f-k	5.5	bcd	1.20	d-g	33.6	a-e	84.4	b-e	50.20	n-r	871	b-l
DG 3425 B3XF	1669	b-k	44.9	f-k	5.1	o-r	1.19	f-i	32.2	h-k	83.7	b-k	51.53	d-h	860	c-m
PHY 443 W3FE	1705	b-i	46.3	b-f	5.4	c-f	1.15	m-	33.0	c-i	84.4	bc	50.30	m-r	859	c-m
PX 1140F330-04	1688	b-j	45.0	f-k	5.4	c-f	1.17	h-l	32.6	f-j	84.1	b-h	50.44	k-r	851	c-n
DP 2012 B3XF	1630	c-l	44.2	h-l	5.0	rst	1.19	e-h	30.8	n-s	83.3	h-l	52.09	def	847	c-n
PX 1140F329-04	1674	b-k	46.4	b-f	5.3	e-i	1.16	k-o	32.0	i-m	83.6	d-k	49.94	q-t	836	d-o
NG 5430 B3XF	1631	c-l	42.9	lm	5.1	l-p	1.17	h-l	31.9	j-m	83.8	b-j	51.14	g-m	834	d-o
DP 2020 B3XF	1588	f-o	43.7	klm	5.0	p-s	1.20	d-g	30.4	n-u	83.0	j-n	52.00	d-g	827	d-o
PHY 400 W3FE	1615	d-	46.5	b-f	5.3	f-k	1.17	h-l	33.0	c-i	83.2	i-m	50.44	k-r	814	e-p
PHY 136 W3E1	1596	f-n	45.6	e-h	5.2	i-m	1.19	d-h	33.7	a-d	83.6	d-k	50.86	h-p	812	f-p
PHY 332 W3FE	1587	f-o	44.4	g-l	5.2	h-l	1.21	a-d	32.7	d-j	84.2	b-g	50.88	h-o	809	g-p
PHY 137 W3E1	1563	f-p	44.2	h-l	5.2	k-o	1.23	ab	34.2	ab	85.6	a	51.39	f-j	803	g-p
PX 1140F331-04	1599	e-	45.4	e-j	5.5	ab	1.16	l-p	32.6	e-j	83.5	g-l	49.99	o-t	799	g-q
FM 868 AXTP	1581	f-o	45.1	f-k	5.3	g-l	1.18	g-j	32.4	g-k	83.8	b-j	50.39	l-r	796	g-q
AMX 12504 B3TXF	1463	k-p	44.0	i-l	4.8	uv	1.20	d-g	33.4	a-f	83.4	h-l	54.13	a	792	h-q

Table 24 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
23R8041 B3XF	1526	h-p	45.5	e-i	5.1	m-r	1.17	h-l	30.6	n-t	82.3	n-q	51.30	f-k	783	h-q
ST 4833 AXTP	1544	g-p	45.3	e-j	5.3	e-i	1.18	g-k	31.4	k-n	83.6	c-k	50.34	l-r	777	i-q
PX 1150F357-04	1553	f-p	44.2	h-l	5.5	bcd	1.14	pq	34.4	a	84.3	b-f	49.90	q-t	775	i-q
DG 4434 B3TXF	1499	i-p	46.2	b-f	5.1	m-r	1.17	h-l	30.0	r-u	82.3	n-r	51.44	e-j	768	j-q
AMX 12502 B3TXF	1424	l-p	45.9	d-g	4.7	v	1.18	g-j	30.0	q-u	81.7	qr	53.79	ab	766	k-q
NG 4409 B3XF	1459	k-p	46.3	b-f	5.0	rs	1.16	j-n	29.8	stu	82.2	o-r	52.43	cd	764	l-q
PX 1130F309-04	1525	h-p	44.2	h-l	5.6	a	1.15	m-	32.7	d-j	84.2	b-g	49.99	o-t	762	l-q
PHY 411 W3FE	1552	f-p	46.8	b-e	5.4	c-f	1.10	r	31.9	j-m	82.7	l-p	49.11	t	762	l-q
DP 2317 B3TXF	1414	m-	43.9	jkl	4.9	stu	1.18	g-k	30.2	o-u	83.1	i-m	53.13	bc	751	m-q
FM 757 AXTP	1490	i-p	46.1	c-f	5.4	c-g	1.23	a	32.5	f-j	82.9	k-o	50.06	o-s	746	n-q
DG 3519 B3XF	1407	m-	44.3	h-l	5.1	n-r	1.22	abc	33.1	c-h	84.4	bcd	52.30	cde	736	o-r
NG 4405 B3TXF	1377	op	43.6	klm	4.8	uv	1.16	l-p	30.1	p-u	83.6	e-k	53.10	bc	730	o-r
PHY 360 W3FE	1481	j-p	44.2	h-l	5.3	d-h	1.13	q	29.9	r-u	81.5	r	49.26	st	730	o-r
23R9822 B3TXF	1384	n-q	46.8	b-e	5.1	n-r	1.14	op	29.4	u	82.3	n-q	51.24	f-l	705	pqr
NG 4414 B3XF	1362	pq	43.2	lm	5.3	e-j	1.17	i-m	30.1	p-u	83.8	b-j	50.60	i-q	691	qr
DGX 092 B3TXF	1179	q	44.1	h-l	4.9	tu	1.18	g-l	31.2	l-o	82.0	pqr	53.81	ab	634	r
Mean	**1615**		**45.3**		**5.2**		**1.18**		**31.7**		**83.4**		**51.11**		**825**	
P>F	0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	
LSD (P=.10)	214.7		1.58		0.13		0.020		1.01		0.80		0.91		109.5	
STD DEV	183.20		1.35		0.11		0.02		0.86		0.69		0.78		93.47	
CV%	11.34		2.97		2.06		1.47		2.70		0.82		1.52		11.34	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

Table 25. Corpus Christi Monster Cotton Variety Trial, 2024
Cooperator: Texas A&M AgriLife Research and Extension Center, Corpus Christi, Texas
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	1370	a	43.0	d-h	5.1	b-g	1.17	d-k	31.0	h-n	83.9	abc	50.98	i-n	698	a
23R8041 B3XF	1184	ab	43.0	d-h	5.0	c-i	1.16	h-	30.4	j-n	82.9	d-j	51.33	h-m	608	ab
ST 5931 AXTP	1130	bc	41.4	k-o	4.6	o-r	1.19	a-f	32.4	e-h	83.6	a-e	53.33	a-d	605	ab
DGX 4434 B3TXF	1130	bc	43.7	def	4.7	l-q	1.19	b-g	30.9	h-n	83.0	c-j	53.24	a-d	601	ab
DP 2131 B3TXF	1111	bcd	44.8	abc	4.9	f-l	1.19	a-g	30.9	h-n	82.9	d-j	53.26	a-d	592	abc
ST 6000 AXTP	1093	b-e	45.4	a	4.9	g-n	1.19	a-e	35.0	a	83.8	abc	53.55	abc	586	bc
AMX 12504 B3TXF	1051	b-f	41.8	i-n	4.5	qr	1.18	b-i	34.1	a-d	83.2	c-i	54.20	a	569	bcd
DG 3519 B3XF	1063	b-f	41.8	h-n	4.8	i-p	1.21	ab	32.5	d-h	84.5	a	53.48	abc	569	bcd
DP 1646 B2XF	1085	b-e	43.2	d-g	4.9	f-l	1.22	a	30.2	k-n	83.6	a-e	52.23	c-i	567	bcd
23R9822 B3TXF	1074	b-e	43.7	cde	4.8	h-o	1.13	m-	30.7	i-n	82.6	f-j	53.04	a-g	566	bcd
ST 4833 AXTP	1107	bcd	41.6	j-o	5.1	b-f	1.16	g-l	30.7	i-n	83.3	c-h	50.86	i-n	563	bcd
DGX 3025 B3TXF	1041	b-g	45.0	ab	4.8	j-p	1.13	l-p	29.7	mn	83.6	a-f	53.44	a-d	557	b-e
PHY 415 W3FE	1051	b-f	41.7	i-n	4.9	f-l	1.18	c-i	33.4	a-e	83.8	a-d	52.85	a-g	555	b-e
DP 2012 B3XF	1028	b-g	41.1	l-o	4.8	h-n	1.16	f-l	30.5	j-n	82.6	g-j	53.09	a-f	548	b-f
PX 1140F331-04	1045	b-g	42.2	g-m	5.0	d-k	1.15	i-o	32.9	b-g	83.0	c-j	52.06	c-j	543	b-g
AMX 12502 B3TXF	1006	b-i	42.4	g-k	4.6	pqr	1.18	b-i	32.2	e-j	82.2	ij	53.96	ab	543	b-g
DP 2239 B3XF	1041	b-g	43.6	def	5.0	d-j	1.22	a	31.8	f-k	83.2	c-h	51.79	e-k	542	b-g
FM 757 AXTP	1068	b-f	45.2	a	5.2	abc	1.17	c-i	31.5	g-l	82.8	e-j	50.64	j-n	542	b-g
FM 868 AXTP	1025	b-g	40.5	o	5.0	d-j	1.15	i-n	31.8	f-k	83.1	c-i	51.59	f-l	530	b-h
PX 1140F329-04	1020	b-h	43.3	d-g	5.1	b-f	1.14	j-p	31.4	g-m	82.5	hij	51.48	g-m	527	b-h
PHY 400 W3FE	998	b-i	42.6	e-j	4.8	h-p	1.17	d-k	33.3	b-f	83.5	b-h	52.78	a-h	525	b-h
DP 2317 B3TXF	973	c-i	42.9	e-h	4.7	m-q	1.15	i-m	30.0	lmn	82.9	d-j	53.71	ab	522	b-h
DP 2020 B3XF	1016	b-h	42.2	g-m	5.0	d-k	1.13	l-p	29.5	n	82.5	hij	51.00	i-m	518	b-h
NG 3457 B3XF	991	b-i	41.8	h-n	5.1	b-h	1.15	i-o	31.2	g-n	83.2	c-i	51.89	d-k	515	b-h
PX 1150F360-04	957	c-j	41.1	mno	4.8	k-p	1.20	a-d	34.3	abc	83.5	b-g	53.48	abc	513	b-h
PHY 137 W3E1	994	b-i	42.7	e-j	5.1	a-f	1.20	abc	34.0	a-e	83.9	abc	51.28	h-m	510	b-i
NG 4405 B3TXF	949	c-j	41.7	i-o	4.4	r	1.17	c-k	31.0	g-n	83.6	a-f	53.67	abc	510	b-i

Table 25 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
DGX 092 B3TXF	929	d-k	41.6	j-o	4.6	pqr	1.16	e-l	31.5	g-l	82.9	c-j	53.93	ab	501	b-i
PX 1150F361-04	967	c-j	41.2	k-o	5.1	b-f	1.18	b-i	32.7	c-h	83.7	a-e	51.58	f-l	499	b-i
PHY 332 W3FE	941	d-k	41.7	i-n	4.9	h-n	1.18	b-h	32.7	d-h	83.0	c-j	52.95	a-g	499	c-i
AMX 12507 B3TXF	936	d-k	41.1	mno	4.9	g-m	1.18	b-i	31.7	g-k	82.7	f-j	53.28	a-d	498	c-i
PHY 136 W3E1	934	d-k	42.1	g-m	4.8	h-p	1.17	d-k	32.8	c-g	83.7	a-e	52.70	b-h	494	c-i
PHY 360 W3FE	931	d-k	39.3	p	5.0	e-k	1.13	m-	29.7	lmn	82.6	hij	52.21	c-i	485	d-i
DP 2333 B3XF	963	c-j	43.0	e-h	5.2	a-d	1.14	j-p	30.4	j-n	82.3	ij	50.26	lmn	484	d-i
PHY 411 W3FE	947	c-j	42.8	e-i	4.8	h-n	1.09	q	32.2	e-i	83.0	c-j	50.98	i-n	483	d-i
PX 1140F330-04	923	d-k	42.6	f-j	5.2	a-e	1.13	m-	31.2	g-n	83.1	c-i	50.88	i-n	469	d-i
DG 3425 B3XF	872	f-k	43.6	def	4.6	n-q	1.17	c-j	32.5	d-h	83.9	abc	53.15	a-e	462	d-i
NG 5430 B3XF	914	e-k	42.2	g-m	5.1	b-f	1.12	no	30.2	k-n	82.9	d-j	50.53	j-n	461	e-i
PX 1150F357-04	913	e-k	41.4	k-o	5.2	a-d	1.11	pq	32.6	d-h	83.7	a-d	49.98	mn	457	e-i
PX 1130F309-04	914	e-k	41.6	j-o	5.4	a	1.12	op	31.5	g-l	83.7	a-e	49.43	n	451	f-i
NG 4409 B3XF	827	h-k	42.2	g-l	4.9	f-l	1.14	k-p	30.4	j-n	82.1	j	52.68	b-h	436	ghi
PHY 443 W3FE	816	ijk	41.0	no	4.8	j-p	1.14	k-p	34.5	ab	84.2	ab	53.34	a-d	435	ghi
NG 4414 B3XF	858	g-k	42.8	e-i	5.3	ab	1.14	k-p	30.0	lmn	83.5	b-g	50.36	k-n	431	hi
DG 3555 B3XF	761	k	40.6	o	4.6	pqr	1.12	op	30.0	lmn	82.9	d-j	53.28	a-d	406	i
AMX 12526 B3XF	786	jk	44.1	bcd	5.1	b-f	1.17	d-k	32.5	d-h	83.7	a-e	51.08	i-m	401	i
Mean	**994**		**42.4**		**4.9**		**1.16**		**31.7**		**83.2**		**52.24**		**519**	
P>F	0.0104		0.0001		0.0001		0.0001		0.0001		0.0037		0.0001		0.016	
LSD (P=.10)	183.5		1.09		0.22		0.030		1.64		0.92		1.45		100.3	
STD DEV	156.56		0.93		0.19		0.03		1.40		0.79		1.23		85.57	
CV%	15.75		2.20		3.85		2.19		4.42		0.94		2.36		16.47	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

Table 26. Mid-Coast Cotton Variety Trial, 2024
Cooperator: Danny May – Port Lavaca, TX
Stephen Biles – Victoria, Calhoun, and Refugio County IPM Agent
Hailey Hayes – Calhoun County Extension Agent, Agriculture and Natural Resources
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PHY 400 W3FE	1646	-	45.9	b-e	4.8	d-i	1.18	mn	33.1	g-i	82.9	i-n	54.05	a-d	890	-
DP 2333 B3XF	1567	-	46.9	ab	4.9	b-e	1.16	op	30.5	st	81.8	pq	53.13	fg	834	-
PX 1150F360-04	1525	-	44.7	f-i	4.4	o-r	1.25	abc	35.2	ab	84.2	bcd	54.20	ab	826	-
PHY 137 W3E1	1512	-	44.0	ijk	4.6	j-o	1.25	ab	35.3	a	85.1	a	54.24	a	820	-
FM 757 AXTP	1532	-	46.7	ab	4.9	b-f	1.23	b-h	32.5	j-n	82.3	n-q	53.40	d-g	818	-
PX 1150F361-04	1495	-	45.9	b-e	4.6	k-p	1.22	d-j	33.6	f-i	83.2	g-m	54.16	abc	810	-
DG 3425 B3XF	1491	-	44.2	g-k	4.4	o-r	1.22	c-i	32.7	i-m	83.8	b-i	54.11	a-d	807	-
DGX 4434 B3TXF	1475	-	46.2	a-d	4.5	n-r	1.21	f-k	31.1	qrs	82.1	opq	53.90	a-e	795	-
DP 2317 B3TXF	1466	-	42.9	m-p	4.4	o-r	1.22	e-k	31.6	n-r	84.1	b-e	54.09	a-d	793	-
DP 2012 B3XF	1466	-	42.6	m-p	4.5	l-p	1.19	kl	32.2	k-p	83.2	g-m	54.04	a-d	792	-
PX 1130F309-04	1471	-	43.9	i-l	4.7	h-m	1.14	qr	32.0	l-q	83.8	b-h	53.85	a-e	792	-
NG 4190 B3XF	1477	-	44.7	f-i	4.8	c-h	1.20	g-	31.7	n-q	84.1	b-f	53.45	c-g	789	-
PX 1150F357-04	1455	-	45.1	e-h	4.5	l-p	1.14	qr	34.2	b-f	84.4	ab	54.04	a-d	786	-
PHY 443 W3FE	1446	-	44.4	g-j	4.6	j-n	1.16	o-r	34.9	a-d	84.2	abc	54.09	a-d	782	-
AMX 12502 B3TXF	1425	-	44.3	g-j	4.5	n-r	1.22	e-k	31.8	m-q	82.4	m-p	54.00	a-d	769	-
FM 868 AXTP	1418	-	42.6	m-p	4.7	h-m	1.20	g-	33.7	e-h	84.0	b-g	54.15	abc	768	-
ST 4833 AXTP	1421	-	42.7	m-p	4.4	o-r	1.20	j-m	31.6	o-r	82.8	k-o	53.96	a-e	766	-
PX 1140F330-04	1408	-	46.6	ab	4.7	f-k	1.18	mn	33.6	e-i	83.1	g-n	54.10	a-d	762	-
PX 1140F329-04	1391	-	46.8	ab	4.5	m-q	1.19	k-n	33.2	g-j	82.8	k-o	54.10	a-d	752	-
DG 3519 B3XF	1389	-	44.5	f-j	4.8	c-i	1.20	j-m	32.9	h-l	83.8	b-h	54.09	a-d	751	-
PX 1140F331-04	1398	-	45.9	b-e	4.9	b-f	1.20	j-m	34.7	a-d	84.1	b-f	53.53	a-f	748	-
DP 1646 B2XF	1384	-	45.4	c-f	4.7	i-m	1.24	a-f	31.5	o-r	83.3	d-l	53.96	a-e	747	-
PHY 415 W3FE	1372	-	45.1	e-h	4.6	j-n	1.21	g-l	33.9	d-g	83.8	b-h	54.13	abc	743	-
NG 4409 B3XF	1403	-	44.6	f-j	4.9	bcd	1.20	i-m	31.4	p-s	83.2	f-m	52.78	g	740	-
NG 5430 B3XF	1365	-	44.0	ijk	4.7	e-j	1.19	lm	33.5	f-i	83.5	c-k	54.10	a-d	739	-
PHY 136 W3E1	1359	-	44.2	h-k	4.4	pqr	1.22	e-k	34.1	c-g	83.3	d-l	54.16	abc	736	-
AMX 12526 B3XF	1435	-	47.2	a	5.2	a	1.17	no	32.8	h-l	83.2	e-m	51.14	h	733	-

Table 26 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4405 B3TXF	1342	-	42.2	op	4.2	s	1.19	lm	31.2	qrs	82.9	i-n	53.95	a-e	724	-
PHY 411 W3FE	1343	-	45.9	b-e	4.3	qrs	1.13	r	33.6	f-i	83.1	h-n	53.73	a-f	723	-
PHY 332 W3FE	1326	-	42.9	l-o	4.3	rs	1.23	a-g	33.3	f-j	83.4	c-l	54.16	abc	718	-
AMX 12507 B3TXF	1321	-	43.2	k-n	4.3	rs	1.23	c-h	33.1	g-k	83.1	h-n	54.16	abc	715	-
ST 6000 AXTP	1302	-	47.1	a	4.6	j-n	1.20	i-m	34.6	a-e	83.2	f-m	54.14	abc	705	-
ST 5931 AXTP	1285	-	43.6	j-m	4.4	pqr	1.24	a-e	32.5	j-o	84.4	ab	54.11	a-d	695	-
DP 2239 B3XF	1343	-	45.2	d-g	5.0	abc	1.25	a	32.2	k-p	83.5	c-k	51.79	h	695	-
DP 2131 B3TXF	1273	-	46.3	abc	4.7	g-l	1.21	g-l	31.6	n-r	82.6	l-p	54.00	a-d	688	-
NG 4414 B3XF	1330	-	44.2	g-k	5.0	ab	1.19	lm	31.1	qrs	83.7	b-j	51.44	h	684	-
PHY 360 W3FE	1237	-	44.7	f-i	4.5	m-q	1.15	pqr	30.0	t	81.4	q	53.49	b-g	661	-
NG 3457 B3XF	1210	-	42.9	mno	4.9	b-g	1.20	h-	30.7	rst	83.1	g-n	53.26	efg	646	-
AMX 12504 B3TXF	1101	-	41.9	p	4.3	rs	1.25	a-d	35.0	abc	83.8	b-i	54.20	ab	597	-
DGX 092 B3TXF	1050	-	42.6	nop	4.6	j-o	1.20	j-m	32.4	j-o	82.8	j-o	54.03	a-d	568	-
Mean	1391		44.6		4.6		1.20		32.8		83.3		53.73		748	
P>F	0.2376		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001		0.1951	
LSD (P=.10)	NS		1.02		0.18		0.025		0.959		0.85		0.720		NS	
STD DEV	212.65		0.87		0.16		0.02		0.82		0.73		0.61		114.17	
CV%	15.28		1.95		3.40		1.80		2.50		0.87		1.14		15.27	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

Table 27. Upper-Coast Cotton Variety Trial, 2024
Cooperator: Dean Hansen – Elmaton, TX
Greg Baker – Matagorda County Extension Agent, Agriculture and Natural Resources
Dr. Josh McGinty, Jonathan Ramirez, Clinton Livingston, and Rudy Alaniz, Texas A&M AgriLife Extension Service - Corpus Christi

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
NG 4190 B3XF	1155	a	45.3	-	4.6	g-o	1.22	i-n	31.7	l-q	83.0	e-l	53.98	ab	623	a
PHY 400 W3FE	1118	ab	43.4	-	4.4	n-r	1.20	n-q	34.2	a-e	83.7	a-g	54.19	a	606	ab
PX 1150F360-04	1106	ab	46.2	-	4.1	tu	1.24	b-h	34.4	a-d	83.8	a-e	54.23	a	600	abc
DP 2020 B3XF	1105	ab	41.6	-	4.5	k-p	1.24	b-h	31.8	k-q	82.8	h-m	53.99	ab	597	abc
PX 1140F331-04	1075	abc	46.7	-	4.2	p-t	1.18	qrs	35.0	ab	83.6	a-h	54.19	a	582	a-d
PX 1140F330-04	1075	abc	47.5	-	4.1	tu	1.19	o-r	33.8	b-h	83.1	d-l	54.14	ab	582	a-d
PHY 411 W3FE	1047	a-d	47.1	-	4.3	p-t	1.14	u	32.6	g-m	82.8	h-m	53.86	ab	564	a-e
DP 2012 B3XF	1044	a-d	43.9	-	4.5	j-p	1.21	j-o	31.3	n-q	82.1	m	53.95	ab	563	a-e
PX 1150F357-04	1022	a-e	44.4	-	4.1	stu	1.16	t	35.2	a	84.3	ab	54.19	a	554	a-f
PHY 360 W3FE	1015	a-e	44.4	-	4.4	o-s	1.18	p-s	30.9	q	82.5	klm	53.89	ab	547	a-f
DP 2239 B3XF	1022	a-e	50.4	-	5.0	bcd	1.25	b-f	32.2	i-o	82.7	j-m	52.75	cd	538	a-g
PHY 415 W3FE	985	b-f	43.4	-	4.1	r-u	1.23	g-l	34.1	a-f	83.3	c-k	54.21	a	534	b-g
PHY 137 W3E1	973	b-g	43.2	-	4.0	tuv	1.23	d-i	34.0	a-f	83.9	a-e	54.21	a	527	b-h
PHY 443 W3FE	959	b-h	45.3	-	4.2	q-t	1.16	t	33.9	b-g	83.2	c-k	54.10	ab	519	c-i
PX 1140F329-04	939	c-j	45.9	-	3.9	uv	1.20	n-q	34.1	a-f	82.5	klm	54.16	ab	509	d-j
DP 1646 B2XF	963	b-h	48.0	-	5.0	b-e	1.26	bc	32.4	i-o	83.6	a-h	52.79	cd	508	d-j
PX 1130F309-04	928	c-j	43.3	-	4.2	p-t	1.17	st	32.8	g-l	83.8	a-e	54.08	ab	502	d-k
DP 2317 B3TXF	916	c-j	43.9	-	4.5	i-o	1.21	l-o	31.3	n-q	82.7	i-m	53.93	ab	494	e-k
DP 2333 B3XF	911	d-k	43.9	-	4.7	d-i	1.19	o-r	31.5	m-q	82.6	j-m	53.90	ab	491	e-l
DG 3519 B3XF	937	c-j	46.2	-	5.0	abc	1.25	b-g	33.3	d-j	84.4	a	52.30	de	489	e-l
DGX 3025 B3TXF	904	d-k	45.3	-	4.5	k-p	1.22	h-	31.0	pq	84.0	abc	54.00	ab	488	e-l
AMX 12526 B3XF	944	c-i	50.9	-	5.2	ab	1.23	g-l	32.6	g-m	83.6	a-i	51.84	e	488	e-l
23R9822 B3TXF	892	d-l	48.0	-	4.7	f-l	1.17	rst	32.5	h-n	82.7	j-m	53.29	bc	476	f-m
PX 1150F361-04	867	e-	43.1	-	4.3	p-t	1.23	f-k	34.6	abc	83.4	b-j	54.18	ab	470	f-n
PHY 332 W3FE	835	f-n	42.9	-	3.8	v	1.24	c-h	33.2	d-j	83.7	a-g	54.20	a	452	g-o
DP 2131 B3TXF	827	f-n	45.4	-	4.6	g-n	1.25	b-f	32.1	j-q	83.4	b-j	54.08	ab	447	h-o
NG 3457 B3XF	822	g-n	46.0	-	4.9	c-f	1.22	i-n	31.4	m-q	83.9	a-e	53.40	abc	438	i-o

Table 27 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
ST 4833 AXTP	809	h-n	45.2	-	4.6	g-o	1.25	bcd	32.1	j-q	82.8	g-m	54.00	ab	437	i-o
NG 4414 B3XF	806	h-n	45.8	-	4.8	c-h	1.21	i-n	31.5	m-q	83.4	b-j	53.96	ab	435	i-o
FM 757 AXTP	790	i-n	46.9	-	4.7	e-k	1.25	b-f	32.5	i-o	82.3	lm	54.05	ab	427	j-o
NG 4409 B3XF	780	j-o	44.6	-	4.7	f-l	1.21	k-o	32.0	j-q	83.1	d-l	53.41	abc	417	k-p
NG 4405 B3TXF	751	k-p	45.7	-	4.4	m-q	1.21	j-o	31.3	opq	82.8	h-m	53.93	ab	405	l-q
PHY 136 W3E1	739	l-p	44.9	-	3.9	uv	1.22	h-	33.8	b-h	83.2	c-l	54.21	a	401	m-r
ST 6000 AXTP	719	m-	45.7	-	4.5	i-o	1.25	b-e	34.3	a-e	83.8	a-e	53.56	abc	387	n-r
23R8041 B3XF	715	m-	47.1	-	4.7	f-m	1.21	k-o	32.7	g-l	82.6	j-m	54.03	ab	386	n-r
AMX 12507 B3TXF	716	m-	43.4	-	4.6	h-o	1.29	a	33.4	c-i	84.0	a-d	53.53	abc	383	n-r
ST 5931 AXTP	691	n-q	44.5	-	4.5	l-q	1.26	b	32.6	g-m	83.7	a-f	54.09	ab	374	o-r
AMX 12502 B3TXF	689	n-q	47.1	-	4.8	c-h	1.20	m-	32.2	j-p	82.7	j-m	53.38	abc	367	o-s
FM 868 AXTP	625	o-r	44.2	-	4.7	e-j	1.23	d-i	32.4	i-o	82.9	f-m	54.01	ab	338	p-s
DGX 092 B3TXF	629	o-r	42.8	-	4.8	c-g	1.20	m-	32.6	g-m	82.6	j-m	52.79	cd	332	p-s
AMX 12504 B3TXF	605	pqr	48.7	-	4.9	b-f	1.25	bcd	35.1	a	84.3	ab	52.94	cd	320	qrs
DGX 4434 B3TXF	598	pqr	44.8	-	4.9	c-f	1.22	h-	31.3	n-q	82.7	i-m	52.73	cde	314	rs
NG 5430 B3XF	561	qr	45.3	-	5.3	a	1.21	j-o	33.1	e-k	83.3	c-k	50.48	f	284	s
DGX 3031 B3TXF	525	r	43.3	-	4.6	h-o	1.23	e-j	31.4	m-q	83.8	a-e	54.03	ab	284	s
DG 3425 B3XF	280	s	44.5	-	4.6	h-o	1.21	i-n	32.9	f-l	83.0	e-l	54.08	ab	151	t
Mean	854		45.3		4.5		1.22		32.8		83		53.67		458	
P>F	0.0001		0.1084		0.0001		0.0001		0.0001		0.0001		0.0001		0.0001	
LSD (P=.10)	160.7		NS		0.26		0.02		1.25		0.90		0.89		86.6	
STD DEV	137.17		3.42		0.22		0.02		1.07		0.77		0.76		73.91	
CV%	16.07		7.55		4.85		1.55		3.26		0.92		1.42		16.12	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

Table 28. Southern Blacklands Monster Cotton Variety Trial, 2024
Cooperator: Stiles Farm
Dale Mott, Dr Ben McKnight, Matt Matocha, and Ryan Collett,
Texas A&M AgriLife Extension Service – College Station and Thrall, Texas

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PX 1150F361-04	1526	ab	49.5	ab	4.4	c-h	1.17	abc	33.7	abc	83.5	a-d	54.00	a	824	a
DP 23R8029 B3XF	1587	a	51.8	a	4.9	a	1.15	b-f	32.7	c-g	82.0	g-m	52.52	a-d	817	ab
PX 1130F309-04	1369	abc	47.8	b-e	4.4	b-g	1.13	c-i	33.3	b-e	84.0	a	53.97	a	739	abc
PX 1150F357-04	1365	abc	47.7	b-e	4.2	d-j	1.11	f-j	35.2	a	82.5	c-k	53.57	ab	731	abc
FM 868 AXTP	1335	a-d	47.2	b-f	4.6	a-d	1.14	c-h	32.9	b-f	82.6	c-j	53.87	a	719	a-d
NG 4190 B3XF	1337	a-d	47.1	b-f	4.3	c-h	1.14	c-h	29.5	n-q	82.9	a-h	53.62	ab	717	a-d
DP 2335 B3XF	1323	a-e	48.8	bcd	4.2	d-j	1.12	e-j	30.2	j-p	81.3	lm	51.47	cde	693	a-e
BX 2515 AXTP	1297	a-f	46.7	b-g	4.9	a	1.18	ab	31.0	h-n	82.4	d-l	53.08	abc	692	a-e
DP 2333 B3XF	1286	a-f	47.5	b-f	4.2	d-j	1.11	h-k	29.4	n-q	81.4	klm	53.22	ab	686	a-f
PX 1140F331-04	1233	b-g	49.3	ab	4.5	a-f	1.11	h-k	32.5	c-h	82.2	e-m	53.22	ab	657	a-g
PX 1150F360-04	1203	b-h	49.5	ab	4.4	c-h	1.14	c-h	33.4	bcd	83.3	a-e	53.93	a	649	a-g
AMX 12526 B3XF	1188	c-h	48.1	b-e	4.7	abc	1.14	c-g	31.0	h-n	83.7	abc	53.83	a	639	b-g
NG 4409 B3XF	1198	b-h	47.9	b-e	4.5	a-e	1.14	c-h	30.3	j-p	83.0	a-g	52.60	a-d	628	c-h
ST 6000 AXTP	1176	c-i	46.5	b-h	4.4	c-g	1.15	b-e	34.4	ab	82.2	e-m	53.13	ab	625	c-h
BX 2531 AXTP	1160	c-i	47.7	b-e	4.2	d-j	1.15	b-e	30.8	i-o	83.0	a-g	53.87	a	625	c-h
BX 2533 AXTP	1129	c-j	49.5	ab	4.2	d-j	1.14	c-h	30.0	k-p	82.7	b-i	53.65	ab	606	c-i
DP 2131 B3TXF	1122	c-j	46.9	b-g	4.2	d-j	1.19	a	30.3	j-p	82.3	d-m	53.87	a	604	c-i
PHY 400 W3FE	1117	c-j	47.8	b-e	4.3	c-i	1.14	c-h	33.4	bcd	83.3	a-e	53.97	a	603	c-i
PHY 137 W3E1	1104	c-j	48.4	b-e	3.8	ijk	1.16	a-e	34.3	abc	83.1	a-g	54.13	a	598	c-i
AMX 12504 B3TXF	1093	c-j	47.5	b-f	4.2	d-j	1.15	b-e	33.4	bcd	83.2	a-f	54.08	a	591	c-i
PHY 415 W3FE	1091	c-j	48.6	bcd	4.0	h-k	1.11	h-k	31.2	g-m	82.4	d-m	53.42	ab	583	c-i
PHY 332 W3FE	1082	c-j	46.8	b-g	4.4	c-h	1.13	d-i	30.6	i-p	81.9	g-m	53.62	ab	580	c-i
PX 1140F330-04	1069	c-j	49.1	abc	4.3	c-h	1.11	g-j	32.0	d-i	82.7	b-i	53.17	ab	570	c-i
PHY 136 W3E1	1059	c-j	48.4	bcd	4.2	d-j	1.11	g-j	31.4	f-l	81.7	i-m	53.12	abc	562	c-i
NG 5430 B3XF	1045	c-j	46.0	d-h	4.3	c-h	1.13	e-i	30.6	i-p	82.6	b-j	53.70	ab	561	c-i
NG 4405 B3TXF	1028	d-j	46.7	b-g	3.8	jk	1.15	b-e	29.9	l-q	82.0	g-m	53.63	ab	552	d-j
DG 3519 B3XF	1008	d-j	46.1	c-h	4.6	a-d	1.13	e-i	31.6	f-k	82.7	b-i	53.70	ab	541	d-k

Table 28 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PHY 443 W3FE	1002	e-k	47.7	b-e	4.1	e-k	1.09	jkl	32.9	b-f	82.3	e-m	53.00	abc	531	e-k
PHY 360 W3FE	976	f-k	43.6	h	4.6	a-d	1.10	i-l	29.6	n-q	81.6	i-m	52.75	a-d	516	e-k
NG 4414 B3XF	975	f-k	46.4	b-h	4.9	ab	1.14	c-h	29.7	m-q	83.8	ab	52.78	a-d	512	f-k
PHY 411 W3FE	927	g-k	47.1	b-f	4.3	c-i	1.07	kl	30.1	k-p	81.4	lm	52.47	a-d	486	g-k
NG 3457 B3XF	915	g-k	48.8	a-d	4.5	b-g	1.10	i-l	29.0	pq	81.9	g-m	52.88	a-d	484	g-k
DP 23R8041 B3XF	906	g-k	45.4	e-h	4.1	g-k	1.13	e-i	29.3	opq	81.8	h-m	53.17	ab	482	g-k
PX 1140F329-04	924	g-k	47.7	b-f	3.7	kl	1.12	e-j	31.6	f-k	82.1	f-m	52.05	bcd	479	g-k
AMX 12507 B3TXF	910	g-k	45.8	d-h	3.3	lm	1.17	a-d	31.8	e-j	82.0	g-m	50.17	ef	457	h-k
DP 23R9822 B3TXF	879	h-k	46.8	b-g	4.1	f-k	1.07	l	29.7	m-q	81.5	j-m	51.28	de	449	h-k
AMX 12502 B3TXF	815	jk	45.2	e-h	4.2	d-j	1.14	c-g	30.8	i-o	82.0	g-m	53.65	ab	437	ijk
DGX 043 B3TXF	783	jk	47.5	b-f	3.8	ijk	1.16	b-e	29.6	m-q	81.6	i-m	53.72	a	421	ijk
DP 2211 B3TXF	846	ijk	48.0	b-e	3.3	lm	1.11	h-k	28.3	q	81.4	lm	49.25	fg	413	ijk
DGX 092 B3TXF	786	jk	44.0	gh	3.2	m	1.12	e-j	30.1	k-p	81.2	m	48.05	g	381	jk
DG 3425 B3XF	676	k	44.7	fgh	3.9	ijk	1.20	a	32.6	c-h	81.7	i-m	53.98	a	365	k
Mean	**1090**		**47.4**		**4.2**		**1.13**		**31.3**		**82.3**		**53.00**		**579**	
P>F	0.0032		0.0662		0.0001		0.0001		0.0001		0.0015		0.0001		0.0017	
LSD (P=.10)	331.6		3		0.45		0.036		1.63		1.14		1.654		179	
STD DEV	244		2.21		0.33		0.027		1.2		0.84		1.217		131.7	
CV%	22.38		4.67		7.87		2.35		3.83		1.02		2.3		22.75	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

Table 29. Blacklands Research Center - Temple - Monster Cotton Variety Trial, 2024
Cooperator: Blackland Research Center
Dale Mott, Dr Ben McKnight, Matt Matocha, and Chad Hajda
Texas A&M AgriLife Extension Service – College Station and Temple, Texas

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
ST 4990 B3XF	469		45.7	a-d	4.0	ab	0.97	f-i	22.9	d-h	78.3	d-h	40.45	b-k	189	
PX 1130A333-04	460		45.9	abc	3.6	c-i	0.96	f-i	24.4	bcd	79.5	abc	38.57	e-l	179	
PHY 411 W3FE	428		45.9	abc	4.0	ab	0.97	c-i	22.7	d-h	79.3	a-e	41.56	a-h	177	
PHY 545 W3FE	436		46.5	a	4	ab	0.96	f-i	23.4	b-g	78.8	c-h	39.85	b-l	174	
PX 1140A383-04	392		44.0	c-h	3.6	c-i	1.01	bc	24.3	bcd	80.0	a	42.51	a-d	169	
PX 1140A385-04	397		46.3	ab	3.9	a-e	0.95	hij	25.1	ab	80	ab	41.58	a-h	165	
PX 1140A373-04	406		43.1	fgh	3.9	abc	0.96	f-i	24.2	bcd	77.9	ghi	40.85	b-j	165	
PX 1150A450-04	393		44.6	a-h	3.6	c-i	0.97	d-i	24.2	bcd	79.2	a-f	40.21	b-k	161	
DG 3519 B3XF	386		45.4	a-e	3.8	a-g	0.96	f-i	23.7	b-f	78.7	c-h	41.67	a-g	160	
ST 4993 B3XF	353		44.6	a-h	4.0	ab	0.99	b-f	24.9	bc	79.4	a-d	44.7	a	157	
BX 2394 B3XF	397		44.1	c-h	3.8	a-g	0.96	f-i	22.8	d-h	78.4	c-h	39.32	d-l	156	
DP 1646 B2XF	352		45.9	abc	3.6	b-i	1.01	b	23.4	b-g	78.8	c-h	43.17	abc	152	
BX 2392 B3XF	372		43.8	d-h	3.7	b-i	0.99	b-g	23.8	b-e	78.8	b-g	41.11	a-i	151	
DP 2141NR B3XF	358		43.1	fgh	3.8	a-f	0.99	b-f	24.3	bcd	78.9	a-g	41.73	a-f	149	
PHY 443 W3FE	381		44.4	b-h	3.7	b-i	0.92	j	23.4	b-g	78.1	f-i	38.11	g-l	147	
PX 1150A434-04	361		44.3	b-h	3.9	a-d	0.95	hij	24.1	bcd	77.7	hi	41.53	a-h	147	
DP 2127 B3XF	362		44.6	a-h	3.8	a-h	0.97	d-i	23.2	c-g	79.1	a-f	39.97	b-l	145	
PHY 332 W3FE	376		43.0	gh	3.4	ij	1.00	b-e	24.1	bcd	79.1	a-f	38.16	f-l	144	
PHY 400 W3FE	387		45.0	a-g	3.5	g-j	0.94	ij	23.0	d-h	78.4	c-h	36.55	l	144	
DP 2012 B3XF	360		44.6	a-h	3.8	a-f	0.96	f-i	21.7	gh	78.3	d-h	39.82	b-l	143	
DP 1948 B3XF	331		45.2	a-f	3.2	j	1.06	a	26.7	a	78.8	b-g	43.36	ab	143	
DP 2239 B3XF	338		44.6	a-h	3.7	a-h	1.00	bcd	23.4	b-g	78.7	c-h	41.77	a-e	141	
ST 4550 GLTP	357		45.5	a-d	3.5	e-j	0.97	c-i	22.7	d-h	78.5	c-h	39.37	d-l	141	
PX 1150A431-04	341		44.5	a-h	3.7	a-h	0.95	g-j	24.1	bcd	78.8	c-g	40.58	b-k	138	
DP 2143NR B3XF	325		43.6	d-h	4.0	a	0.98	b-h	24.0	bcd	78.3	d-h	41.37	a-h	133	
BX 2396 B3XF	320		46.3	ab	4.0	a	0.98	b-h	23.8	b-e	79.0	a-g	41.47	a-h	133	
ST 4595 B3XF	326		46.3	ab	4.0	ab	0.97	e-i	22.1	e-h	78.3	d-i	40.3	b-k	131	

Table 29 continued.

Variety	Yield (lbs/acre)		Turnout %		Micronaire		Length (inches)		Strength (g/tex)		Uniformity		Loan Value (¢/lbs)		Lint Value ($/Ac)[1]	
PX 1150A435-04	318		42.6	h	3.8	a-h	0.97	d-i	24.9	bc	79.3	a-e	39.63	c-l	126	
DP 2115 B3XF	320		45.2	a-f	3.8	a-h	0.96	f-i	22.0	e-h	78.4	c-h	39.13	d-l	125	
BX 2398 B3XF	300		44.0	c-h	3.9	abc	0.98	b-h	22.6	d-h	78.2	e-i	39.95	b-l	120	
PX 1130A336-04	317		44.9	a-g	3.5	f-j	0.94	ij	23.6	b-f	79.3	a-e	37.28	jkl	119	
PX 1150A437-04	300		43.7	d-h	3.7	b-i	0.95	hij	22.6	d-h	77.1	i	38.30	e-l	116	
DG 3528 B3XF	302		45.3	a-e	3.4	ij	0.96	f-i	21.9	fgh	78.6	c-h	37.03	kl	112	
DP 2020 B3XF	265		43.4	e-h	3.4	hij	0.98	b-h	21.2	h	78.0	f-i	38.01	h-l	101	
DP 1840 B3XF	259		42.7	h	3.6	d-i	0.96	f-i	22.9	d-h	78.8	c-g	37.73	i-l	96	
Mean	**358**		**44.7**		**3.8**		**0.98**		**23.5**		**78.7**		**40.20**		**144**	
P>F	0.1068		0.0569		0.0026		0.0001		0.0034		0.0465		0.0523		0.1144	
LSD (P=.10)	97.93		2.093		0.3489		0.0343		1.802		1.139		3.5916		43.5	
STD DEV	83.43		1.783		0.2972		0.0292		1.535		0.97		3.06		37	
CV%	23.29		3.99		7.89		3		6.52		1.23		7.61		25.66	

[1] Lint values were calculated using the 2024 Upland Cotton Loan Valuation Model from Cotton Incorporated.

AMX= Americot Experimental, DP=DeltaPine, DPX = DeltaPine Experimental, DG= DynaGro, DGX= DynaGro Experimental, FM=FiberMax, NG=NexGen, PHY=PhytoGen, PX = PhytoGen Experimental, SSG= Seed Source Genetics, ST= Stoneville

http://cotton.tamu.edu

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