COTTON PERFORMANCE TESTS

In the Texas High Plains

♦ 2016 ♦

The Texas A&M AgriLife Research and Extension Center at Lubbock/Halfway/Pecos – 2017

♦ Technical Report ♦
17-1

Texas A&M AgriLife Research/ Craig Nessler, Director

TEXAS A&M UNIVERSITY SYSTEM / COLLEGE STATION, TEXAS

TEXAS A&M AGRILIFE RESEARCH

Cotton Performance Tests in the Texas High Plains 2016[1/]

J.K. Dever, V. Morgan, C. M. Kelly, T.A. Wheeler, S. Byrd,
K. Stair, and J. Arce[2/]

Texas A&M AgriLife Research and Extension Center
Lubbock-Halfway-Pecos

[1/] Tests were conducted by Texas A&M AgriLife Research Cotton Improvement Program at Lubbock.

[2/] Professor, Research Associate, Associate Research Scientist, Professor, Assistant Professor and Extension Cotton Agronomist, Research Associate, and Research Assistant Texas A&M AgriLife Research and Extension, Lubbock

TABLE OF CONTENTS

INTRODUCTION

Cotton performance trials were conducted during 2016 at the Texas A&M Agricultural Research and Extension Center at Lubbock, Halfway, and the AG-CARES research farm at Lamesa. Trials were also conducted in the presence of root-knot nematode at Lamesa, Verticillium wilt in Halfway, and bacterial blight in Lubbock. Response to bacterial blight infection is reported for the bacterial blight trial. The Uniform Variety Trial includes the same entries at 5 locations. The entries are mostly commercially or soon to be commercially available varieties. New varieties and strains, including potential new commercial varieties or breeding lines, are tested at an irrigated location in Lubbock. A late-planted trial was also conducted in Lubbock under irrigated conditions including commercial varieties. The Regional High Quality trial was grown in several locations across the cotton belt; the Lubbock location is presented. This trial includes breeder material as well as commercially available varieties that meet higher fiber quality standards. Soil types, planting dates, harvest dates, irrigation, and cultural practices for each trial can be found in Table 1. All trials were planted in a randomized complete block design with four replications, in 2-row, 30-40 ft long plots on 40 in wide centers.

Cotton season started with wet and cool conditions for the most part in west Texas. Most areas eventually received moisture needed for stand establishment, though in some areas, cool conditions and saturated fields caused delayed planting or replanting. In general, the northern High Plains began planting operations one to two weeks ahead of areas further south, and many producers across the region planted in near optimal conditions. Warm weather and adequate rainfall persisted throughout late May and June leaving the majority of the crop in excellent condition at the squaring and flowering period. July temperatures soared into the 100's with little if any rainfall across most of the region. The crop was impacted by heat and water stress to varying degrees, resulting in many dryland fields going into bloom with five or fewer nodes above first flower. Arid conditions prevailed until early August when timely precipitation and cooler temperatures helped maintain early fruit set. Additional precipitation and mild conditions in September and October resulted in mature later set bolls, and effective defoliation and boll opening from harvest aid products. Bacterial blight was reported in isolated areas throughout the region. Verticillium wilt was also present in many fields, though relatively late onset during mid-to late August lessened severity of the impact. Overall the 2016 season was extremely favorable for cotton production as evidenced by some of the highest yields and grades ever recorded in the High Plains.

ACKNOWLEDGMENTS

Fiber properties were measured at the Fiber and Biopolymer Research Institute, Texas Tech University. Plains Cotton Improvement Program and CSREES Hatch project 09297TX contributed additional financial support to the variety testing effort. The Plains Cotton Improvement Committee is important to the independent variety testing service and to the variety testing strategy of the Texas A&M AgriLife Research breeding program in Lubbock as the High Plains continues to be relied upon as a consistent supplier of high quality cotton. Planting, seed and field preparation, plot maintenance, harvest, sample ginning, and data collection were performed by: Joshua Alford, Mark Arnold, Reid Barker, Makenzie Bradley, David Brockman, Jacob Duncan, Heather Elkins, Brandon Ellison, Joshua Frazier, Johnny Fuentes, Cody Halfmann, Micah Lyssy, Jimmy Mabry, Monica Sheehan, Cody Striker, Leslie Wells, Nathan Wood, and Zane Wyatt. Bacterial blight, Verticillium wilt, and root-knot nematode ratings were performed by Dr. Terry Wheeler. The assistance of all of these people is gratefully acknowledged and appreciated.

GLOSSARY OF TABLE HEADINGS

Yield and Turnout

Yield - Pounds of lint harvested per acre.

Gin Turnout
Lint - Percentage of lint of the stripper-harvested cotton.
Seed - Percentage of seed of the stripper-harvested cotton.

Agronomic Properties - Determined from hand-snapped samples.

Percent Lint
Picked - Lint fraction of seed cotton.
Pulled - Lint fraction of burr cotton.

Boll Size - Weight, in grams, of seed cotton per boll.

Seed Index - Weight, in grams, of 100 fuzzy seed.

Lint Index - Weight, in grams, of lint from 100 seed (calculated).

Seed Per Boll - Average number of seed per boll (calculated).

Visual Properties

Maturity - Visual assessment of relative open bolls on a given date.

Storm Resistance - Visual rating from 1 (very loose boll type, considerable seed cotton loss) to 9 (very tight boll type, no seed cotton loss).

Height – Measured average plant height, in inches.

Statistical Analysis

Mean - The average value for the trait being observed.

c.v.,% - Coefficient of variation. A relative measure of variation within a test, defined as the sample standard deviation expressed as a percentage of the sample mean.

LSD - Least significant difference. If the difference between two means exceeds this value, the two means are significantly different at the 0.05 probability level.

GLOSSARY OF TABLE HEADINGS

Fiber Properties - Measured by High Volume Instrument (HVI®)

Micronaire - A relative measure of fiber linear density (mass per unit length) determined by air permeability.

Length - An instrument measurement of fiber length, expressed in hundredths of an inch, approximates the classer's staple length.

Uniformity - A measure of the uniformity of fiber length in a sample, measured as the ratio of mean length to upper half mean length, expressed as a percentage.

Strength - The force required to rupture (or break) a fiber sample, expressed in grams per tex.

Elongation - The amount that a fiber sample will stretch prior to breakage. This is a measure of the deformation of fiber at rupture expressed as percent change in length based on the original fiber length.

Leaf Index [1/] - The visual estimate of the amount of cotton plant leaf material that remains in the lint after the ginning process, ranging from 1(low) to 7(high).

Rd - Degree of reflectance. This measures how light or dark the fiber sample is, expressed as a percentage. Lower Rd values indicate a grayer sample.

+b - Yellowness. This measures the degree of color pigmentation. Higher +b values indicate yellower samples.

Color Grade - A function of the Rd and +b of the fiber sample. The color grade indicates the quadrant of the Nickerson-Hunter cotton colorimeter diagram in which Rd and +b values intersect.[2/]

[1/] *Plot stripper used to harvest these tests is not equipped with a field cleaner. Experimental gin set-up may not always approximate Leaf Index values obtained at commercial gins.*

[2/] *Fiber quality determinations are made on samples from two reps. If the color grade from these two samples are identical, only one color grade is reported.*

Notes

Table 1. Locations, soil types, planting dates, harvest dates, and production information for the cotton variety tests in the Texas High Plains, 2016.

Soil Type	Date Planted	Date Harvested	Production Information
	Lubbock Uniform Irrigated		fertilizer 100-0-0 lbs/A
			2 herbicide applications (1pre, 1 PPI)
Acuff Loam	May 9	October 27	2 furrow irrigations 3.7 acre inches (uni and nvst)
			2 furrow irrigations 3.7 acre inches (rhq)
	Lubbock Late Planted Irrigated		1 furrow irrigation 1.7 acre inches (late)
			2 defoliation applications
	June 18	November 14	
	Lubbock New Varieties and Strains and Regional High Quality		
	May 11	October 28	
	Lubbock Uniform Dryland		fertilizer 100-0-0 lbs/A
			2 herbicide application (1pre, 1 PPI)
Olton Clay Loam	May 9	October 26	2 defoliant applications
			17.33 inches rainfall in season
	Halfway Uniform Irrigated		
			fertilizer 100-0-0 lbs/A
Pullman Clay Loam	May 10	December 12	4 herbicide applications (1pre, 3 PPI)
			1 insecticide application
	Halfway Verticillium Wilt		2 defoliant applications
			10.65 acre inches in season (uniform)
	May 24	December 9	9.9 acre inches in season (vert)
	Lamesa AG-CARES Uniform Dryland		32-0-0 lbs/A fertigation
			1 herbicide application PPI
Amarillo Fine Sandy Loam	May 26	November 19	1 boll opener + defoliant
			1 defoliant + crop oil
			17.11 inches rainfall in season
	Lamesa AG-CARES Nematode Irrigated		32-0-0 lbs/A fertigation
			2 herbicide application (1 pre, 1 PPI)
	May 26	November 17	6.7 acre inches in season (pivot) rkn
Amarillo Fine Sandy Loam			6.3 acre inches in season (pivot)
	Lamesa AG-CARES Uniform Irrigated		1 defoliant + boll opener
			1 defoliant + crop oil
	May 26	November 16	

Table 2. Yield and agronomic property results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	29-Sep	Resistance	Height
FiberMax FM 2484B2F	1133	30.5	44.5	41.5	33.8	4.8	11.8	8.6	23.0	56	5	21
Deltapine DP 1549 B2XF	1007	32.2	44.9	41.8	34.1	4.8	8.4	6.4	31.0	51	4	22
FiberMax FM 2322GL	955	33.1	42.1	42.3	33.9	5.1	10.3	8.3	26.3	66	5	21
FiberMax FM 2011GT	952	31.3	44.7	39.7	32.4	5.8	11.8	8.1	28.5	78	5	18
NexGen NG 4545B2XF	949	31.3	47.0	38.2	31.3	5.0	10.1	6.6	28.9	71	4	22
PhytoGen PHY 444 WRF	948	33.5	45.4	41.4	33.6	5.4	10.7	7.9	28.2	78	5	21
Deltapine DP 1612 B2XF	936	30.1	43.4	37.2	29.7	5.0	9.8	6.5	28.6	76	4	19
Stoneville ST 4946GLB2	934	30.8	45.5	39.8	33.0	5.6	11.0	7.6	29.5	60	5	20
PhytoGen PHY 499 WRF	929	31.9	44.6	37.8	30.6	4.8	9.6	6.4	27.7	55	4	22
Deltapine DP 1044 B2RF	929	29.7	45.4	40.1	32.5	4.2	9.7	6.6	25.6	63	4	20
Deltapine DP 1522 B2XF	926	30.2	44.4	40.5	33.4	5.2	9.4	7.1	29.5	55	4	22
PhytoGen PHY 243 WRF	926	28.9	44.8	39.0	31.0	5.5	10.8	7.5	28.8	70	4	19
IST BRS 269	925	31.0	49.3	38.7	31.7	5.6	11.2	7.4	29.1	40	4	27
IST BRS 293	924	30.2	47.6	37.9	30.6	5.3	10.7	6.9	29.2	55	4	21
PhytoGen PHY 308 WRF	906	29.3	44.0	38.8	30.3	5.3	10.5	7.1	29.0	68	4	20
NexGen NG 1511B2RF	901	32.5	43.9	41.5	33.7	4.9	10.1	7.5	26.7	59	4	21
FiberMax FM 2334GLT	888	32.6	44.2	43.6	35.2	5.1	9.7	7.8	28.9	59	5	20
PhytoGen PHY 312 WRF	883	30.5	43.6	40.0	32.2	5.3	10.2	7.4	28.6	78	4	20
NexGen NG 3500XF	879	29.4	46.8	39.3	31.6	5.1	9.9	6.8	29.4	78	4	21
FiberMax FM 1830GLT	878	32.5	44.1	42.0	35.0	5.5	9.6	7.7	29.8	73	4	20
Deltapine DP 1646 B2XF	876	34.0	43.8	42.9	35.4	4.8	8.8	7.0	29.5	69	4	22
Seed Source Genetics SSG UA 222	869	30.1	46.5	38.0	31.3	6.4	11.5	7.5	32.1	65	4	19
Deltapine DP 0912 B2RF	867	29.1	44.1	38.7	31.3	5.2	9.8	6.5	30.9	68	4	21
PhytoGen PHY 725 RF	857	27.6	46.7	36.1	29.2	5.2	10.9	6.6	28.6	61	3	21
Deltapine DP 1614 B2XF	847	31.2	44.3	41.5	32.1	4.9	8.9	6.9	29.4	65	4	19
PhytoGen PHY 223 WRF	846	29.7	46.9	36.7	28.8	5.0	10.6	6.7	27.4	79	5	19
PhytoGen PHY 333 WRF	842	30.8	43.0	41.4	32.6	5.7	9.6	7.3	32.5	75	3	21
NexGen NG 3406B2XF	832	30.6	43.4	38.7	31.0	5.2	9.6	6.7	30.2	76	4	20
PhytoGen PHY 222 WRF	828	29.8	44.7	38.8	30.2	5.1	9.3	6.5	31.6	79	4	20
IST BRS 286	817	29.4	47.1	39.2	31.9	5.5	10.4	7.1	30.2	69	4	21

Table 2. Yield and agronomic property results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	29-Sep	Resistance	Height
NexGen NG 3517B2XF	814	29.6	46.5	35.3	28.6	5.0	10.2	6.1	29.0	75	5	22
Seed Source Genetics SSG HQ 210CT	813	30.6	48.8	37.2	30.5	5.5	9.4	6.0	34.1	65	4	19
IST BRS 335	791	30.5	48.8	37.5	30.9	5.7	10.6	6.7	32.1	76	4	20
13-9-218S	790	28.9	50.2	35.6	29.0	5.2	11.1	6.6	28.0	61	5	20
NexGen NG 5007B2XF	782	33.0	45.6	39.3	31.8	4.8	8.3	6.1	30.7	69	4	21
FiberMax FM 1911GLT	781	31.3	45.8	40.5	33.3	5.9	12.5	9.0	26.6	73	5	18
Stoneville ST 4747GLB2	777	28.7	43.7	37.1	29.2	5.6	10.3	6.6	31.1	76	5	19
All-Tex Nitro 44B2RF	775	28.1	44.7	35.7	29.1	5.2	11.4	6.8	27.4	58	4	20
FiberMax FM 1900GLT	761	30.5	44.8	40.4	32.9	5.3	10.4	7.4	28.7	74	5	19
Seed Source Genetics SSG UA 103	692	29.9	47.0	36.1	29.4	6.5	11.6	7.3	32.6	55	4	21
Deltapine DP 1518 B2XF	683	29.3	43.6	38.5	30.8	4.5	9.4	6.4	27.3	73	3	21
UA 48	670	26.5	46.3	36.9	29.8	5.8	11.5	7.0	30.9	83	3	18
PhytoGen PHY 417 WRF	665	31.9	45.8	39.9	31.8	4.6	9.0	6.4	28.4	55	4	22
Mean	860	30.5	45.4	39.1	31.6	5.2	10.2	7.0	29.2	67	4	20
c.v.%	16.3	3.4	2.7	3.2	3.5	7.3	5.2	6.2	8.0	18.4	19.1	7.7
LSD 0.05	164	1.2	1.5	2.1	1.9	0.6	0.9	0.7	3.9	14	1	2

Table 2A. Fiber quality results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2484B2F	4.5	1.17	83.5	32.7	6.7	3	75.1	7.7	41-1,41-2
Deltapine DP 1549 B2XF	4.3	1.12	81.4	31.6	7.0	2	74.3	8.2	31-1,41-2
FiberMax FM 2322GL	4.7	1.15	82.9	33.7	5.8	2	75.5	8.0	41-1
FiberMax FM 2011GT	4.4	1.12	82.7	31.3	6.9	3	75.6	8.1	31-2,41-1
NexGen NG 4545B2XF	5.1	1.10	82.8	30.8	6.1	3	74.0	8.7	31-4,41-3
PhytoGen PHY 444 WRF	4.2	1.22	84.5	30.3	6.8	3	78.7	8.7	21-2
Deltapine DP 1612 B2XF	4.9	1.14	83.5	32.1	8.6	6	71.2	8.2	41-4
Stoneville ST 4946GLB2	4.8	1.10	82.7	31.3	8.7	3	75.8	9.1	31-3,31-4
PhytoGen PHY 499 WRF	4.8	1.09	83.0	31.0	9.7	4	74.4	8.6	31-2,41-3
Deltapine DP 1044 B2RF	4.7	1.11	82.6	30.2	9.1	3	76.0	8.6	31-1,41-1
Deltapine DP 1522 B2XF	5.0	1.11	83.6	30.9	9.9	5	72.1	8.3	41-3,41-4
PhytoGen PHY 243 WRF	4.3	1.16	81.9	28.4	7.9	5	74.7	8.0	41-1,41-2
IST BRS 269	5.0	1.14	82.1	31.8	5.9	1	77.9	8.6	31-1
IST BRS 293	5.0	1.11	82.7	32.9	8.1	2	75.6	8.7	31-1,41-3
PhytoGen PHY 308 WRF	4.8	1.09	83.1	31.5	8.4	5	72.9	8.4	41-3,41-4
NexGen NG 1511B2RF	4.9	1.11	83.1	30.5	9.0	4	75.0	8.9	31-4
FiberMax FM 2334GLT	4.9	1.19	83.4	31.4	6.1	3	77.9	8.5	31-1,31-2
PhytoGen PHY 312 WRF	4.7	1.13	82.8	30.4	7.7	4	75.3	8.7	31-3,41-1
NexGen NG 3500XF	5.2	1.09	83.0	31.8	7.9	3	73.9	9.1	31-4,41-3
FiberMax FM 1830GLT	4.9	1.19	83.4	33.1	6.7	2	76.3	8.1	31-1,41-1
Deltapine DP 1646 B2XF	4.8	1.21	83.3	29.7	8.2	3	77.5	8.5	31-1
Seed Source Genetics SSG UA 222	4.7	1.18	83.1	30.0	9.0	4	75.6	8.3	31-2,41-1
Deltapine DP 0912 B2RF	5.1	1.07	82.3	28.7	8.0	4	72.8	8.2	41-1,41-4
PhytoGen PHY 725 RF	4.5	1.18	83.5	34.2	7.3	5	73.9	9.1	32-2,41-3
Deltapine DP 1614 B2XF	4.9	1.17	83.8	31.2	8.3	5	74.0	8.9	31-4,41-3
PhytoGen PHY 223 WRF	4.6	1.18	84.2	31.5	7.6	6	72.8	7.8	41-2
PhytoGen PHY 333 WRF	4.7	1.13	83.3	29.8	7.8	4	74.8	9.1	31-4,32-2
NexGen NG 3406B2XF	4.7	1.11	83.2	30.5	8.9	4	74.9	8.7	31-4
PhytoGen PHY 222 WRF	4.8	1.12	83.2	29.5	8.7	4	74.5	8.7	31-4,41-3
IST BRS 286	4.7	1.08	82.1	31.9	7.6	3	75.5	8.4	31-1,41-3

Table 2A. Fiber quality results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
NexGen NG 3517B2XF	4.8	1.12	82.5	31.8	7.6	4	74.1	8.5	41-1,41-3
Seed Source Genetics SSG HQ 210CT	5.1	1.06	80.7	30.9	8.1	2	76.7	8.4	21-2,41-1
IST BRS 335	4.5	1.14	83.7	30.2	8.2	4	76.9	8.1	31-2,41-1
13-9-218S	4.5	1.15	82.5	32.2	7.4	4	75.0	8.4	31-2,41-3
NexGen NG 5007B2XF	4.7	1.12	82.3	27.9	8.4	1	73.3	8.7	31-4,41-4
FiberMax FM 1911GLT	4.7	1.14	83.5	32.4	6.3	3	76.7	7.9	31-2,41-1
Stoneville ST 4747GLB2	4.8	1.12	81.1	28.2	7.3	6	70.6	7.9	41-2,52-1
All-Tex Nitro 44B2RF	4.4	1.19	84.1	33.0	8.6	5	72.2	8.2	41-4
FiberMax FM 1900GLT	4.8	1.16	83.0	33.0	5.4	4	73.1	8.3	41-1,41-4
Seed Source Genetics SSG UA 103	5.0	1.15	83.4	32.0	7.8	2	77.1	8.4	31-1,31-2
Deltapine DP 1518 B2XF	4.6	1.10	83.1	30.0	7.2	5	72.1	8.0	41-1,51-1
UA 48	4.8	1.22	84.9	35.4	5.9	3	75.4	8.4	31-1,41-1
PhytoGen PHY 417 WRF	4.2	1.10	81.9	29.6	8.0	4	75.8	8.9	31-2,31-3
Mean	4.7	1.13	82.9	31.2	7.7	3	74.8	8.4	
c.v.%	3.2	1.9	0.8	3.4	8.3	37.7	2.1	3.7	
LSD 0.05	0.2	0.04	1.2	1.8	1.1	2	2.7	0.5	

Table 3. Yield and agronomic property results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	21-Oct	Resistance	Height
FiberMax FM 2484B2F	2314	26.6	40.8	41.5	31.7	5.6	11.2	8.4	27.5	39	5	40
NexGen NG 3500XF	2287	26.3	42.1	38.5	30.0	6.4	11.6	8.0	30.6	60	5	38
Deltapine DP 1612 B2XF	2147	25.2	40.8	41.0	31.2	5.9	11.2	8.4	28.7	66	4	34
NexGen NG 4545B2XF	2140	24.7	42.2	38.9	31.5	6.2	11.4	8.2	29.4	58	4	41
Stoneville ST 4747GLB2	2139	25.4	40.8	39.2	28.5	5.9	10.8	7.8	29.5	66	5	31
PhytoGen PHY 223 WRF	2129	24.0	43.2	38.5	28.8	6.3	12.5	8.1	29.8	59	6	36
FiberMax FM 2322GL	2126	28.1	40.9	44.2	33.0	6.5	12.2	10.4	27.9	45	5	37
All-Tex Nitro 44B2RF	2106	25.8	42.4	38.9	30.6	6.5	12.4	8.3	30.2	55	4	35
FiberMax FM 2011GT	2087	25.3	39.4	42.2	31.5	6.9	13.1	9.9	29.3	64	7	30
Deltapine DP 1518 B2XF	2086	23.8	39.8	40.3	31.6	5.7	10.9	7.8	29.3	59	4	40
FiberMax FM 2334GLT	2045	27.2	39.9	40.8	28.9	6.0	10.4	7.9	30.7	41	5	38
FiberMax FM 1900GLT	2031	25.2	39.7	41.6	32.0	6.8	11.8	9.0	31.8	65	6	35
Stoneville ST 4946GLB2	1959	25.7	43.1	39.1	30.1	7.0	13.0	8.8	31.2	54	4	36
NexGen NG 3406B2XF	1936	22.8	38.4	41.3	32.4	6.1	11.2	8.4	29.6	59	5	35
13-9-218S	1932	24.2	44.7	38.2	30.4	6.9	12.4	7.9	33.4	49	5	37
PhytoGen PHY 312 WRF	1899	24.5	42.2	38.0	33.6	6.7	11.6	8.2	31.0	53	5	40
PhytoGen PHY 725 RF	1888	24.2	42.2	38.0	32.3	6.5	11.9	7.7	32.5	59	4	39
FiberMax FM 1830GLT	1874	24.6	40.0	42.4	32.7	6.0	11.0	8.6	29.7	61	4	35
Deltapine DP 0912 B2RF	1832	24.8	42.5	41.1	31.5	5.6	11.3	8.1	28.6	53	5	38
FiberMax FM 1911GLT	1808	23.7	40.3	40.9	30.7	6.8	13.1	9.7	28.5	66	6	30
NexGen NG 3517B2XF	1808	24.5	41.4	37.9	28.1	6.1	10.2	6.7	34.8	61	5	40
Seed Source Genetics SSG UA 222	1796	23.2	41.8	37.3	28.9	6.3	12.5	8.0	29.0	43	5	39
IST BRS 335	1793	24.4	43.0	37.3	28.5	6.0	10.8	6.9	32.3	45	5	39
PhytoGen PHY 222 WRF	1787	24.5	42.4	39.9	29.2	6.3	11.9	8.5	29.7	69	6	31
NexGen NG 1511B2RF	1780	25.8	40.5	41.5	31.7	6.0	11.5	8.4	29.6	54	4	39
PhytoGen PHY 444 WRF	1760	24.9	40.5	41.8	29.8	5.9	12.3	9.1	27.0	40	5	39
PhytoGen PHY 243 WRF	1758	24.0	41.5	38.6	30.0	6.2	12.8	8.4	28.6	60	4	37
Deltapine DP 1044 B2RF	1732	22.5	40.6	39.1	30.6	5.4	10.0	6.7	31.1	49	4	38
IST BRS 293	1668	23.6	41.1	38.8	30.0	6.3	11.3	7.7	31.4	39	4	41
PhytoGen PHY 308 WRF	1668	22.1	40.9	38.0	28.9	6.4	12.0	7.8	31.0	49	4	40

Table 3. Yield and agronomic property results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

Deltapine DP 1646 B2XF	1661	24.8	38.2	41.0	28.8	5.4	8.9	6.5	33.7	46	5	42
IST BRS 286	1646	23.4	39.8	38.9	29.7	5.7	11.9	8.1	27.6	45	3	47
Seed Source Genetics SSG HQ 210CT	1593	23.7	42.2	34.6	25.9	5.8	10.2	6.0	33.2	43	4	37
UA 48	1578	22.6	42.4	37.2	27.2	6.0	12.2	7.7	28.9	53	3	33
PhytoGen PHY 333 WRF	1540	24.2	40.8	40.9	29.9	6.1	11.4	8.6	29.0	60	5	40
PhytoGen PHY 417 WRF	1509	23.6	41.1	40.8	29.2	5.3	10.0	7.2	30.3	58	5	38
Deltapine DP 1549 B2XF	1501	23.4	36.1	40.0	30.5	5.4	9.4	6.8	31.6	40	4	42
NexGen NG 5007B2XF	1480	24.6	39.8	41.6	30.2	5.2	8.8	6.8	31.5	60	5	38
Deltapine DP 1522 B2XF	1409	23.4	42.8	40.0	31.2	5.8	10.4	7.5	31.0	56	4	41
PhytoGen PHY 499 WRF	1357	22.5	39.2	39.9	30.0	5.6	10.7	7.5	29.4	64	5	40
Deltapine DP 1614 B2XF	1357	23.6	40.3	40.2	30.5	5.7	8.9	6.5	35.7	53	5	36
Seed Source Genetics SSG UA 103	1227	21.5	41.5	37.9	28.3	7.1	12.5	8.2	32.5	46	3	40
IST BRS 269	976	20.3	40.3	36.2	27.0	6.4	11.7	7.1	32.7	44	4	47
Mean	1794	24.2	41.0	39.6	30.1	6.1	11.3	7.9	30.5	54	4	38
c.v.%	12.8	4.5	4.1	3.1	6.2	5.8	5.1	6.7	6.1	18.9	17.0	11.0
LSD 0.05	270	1.3	2.0	2.0	3.1	0.6	1.0	0.9	3.1	12	1	5

Table 3A. Fiber quality results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2484B2F	3.2	1.22	81.8	29.3	7.3	3	80.0	7.7	31-1
NexGen NG 3500XF	3.3	1.11	81.3	30.2	8.5	2	77.1	8.6	31-1,31-3
Deltapine DP 1612 B2XF	3.7	1.19	84.2	30.3	9.1	4	76.1	7.9	31-2,41-1
NexGen NG 4545B2XF	3.7	1.21	81.7	31.5	6.4	2	77.5	7.9	31-1,41-1
Stoneville ST 4747GLB2	3.6	1.19	81.3	28.9	7.0	4	75.7	7.0	41-1,41-2
PhytoGen PHY 223 WRF	3.3	1.22	82.9	29.3	7.6	3	78.0	7.3	31-1,41-1
FiberMax FM 2322GL	3.2	1.20	81.8	28.6	6.8	5	76.2	7.7	31-2,41-1
All-Tex Nitro 44B2RF	3.5	1.26	83.7	29.9	7.9	5	76.6	7.4	41-1
FiberMax FM 2011GT	3.8	1.19	83.1	30.2	7.6	4	78.2	7.3	31-2
Deltapine DP 1518 B2XF	3.4	1.20	81.7	29.1	7.3	4	76.3	7.5	41-1
FiberMax FM 2334GLT	3.3	1.22	81.8	29.1	6.9	1	80.4	7.8	21-2,31-1
FiberMax FM 1900GLT	3.2	1.19	82.5	32.1	5.9	3	76.8	7.0	41-1
Stoneville ST 4946GLB2	3.2	1.17	82.4	30.3	8.1	3	77.3	8.3	31-1,31-2
NexGen NG 3406B2XF	3.9	1.15	83.0	28.4	9.5	2	77.3	8.2	31-2
13-9-218S	3.2	1.18	82.0	31.7	7.1	3	79.0	7.7	31-1
PhytoGen PHY 312 WRF	3.0	1.12	80.7	27.8	8.2	4	75.9	8.1	31-2,41-1
PhytoGen PHY 725 RF	3.5	1.22	83.2	32.0	8.1	3	76.3	8.4	31-2
FiberMax FM 1830GLT	3.0	1.26	81.3	30.2	6.5	3	81.1	7.2	31-1
Deltapine DP 0912 B2RF	3.8	1.13	81.8	29.0	8.0	3	76.8	8.4	31-1,31-2
FiberMax FM 1911GLT	3.3	1.20	82.1	29.1	8.4	4	77.9	7.3	31-2
NexGen NG 3517B2XF	3.5	1.13	81.5	29.4	9.6	1	79.1	8.3	31-1
Seed Source Genetics SSG UA 222	3.6	1.19	82.5	29.8	8.8	3	78.0	7.8	31-1,31-2
IST BRS 335	3.1	1.18	81.8	29.2	7.6	3	78.6	7.6	31-1,31-2
PhytoGen PHY 222 WRF	4.0	1.15	82.3	27.6	10.3	3	76.0	8.0	31-2,41-1
NexGen NG 1511B2RF	3.2	1.15	81.2	28.4	9.3	3	77.8	8.1	31-1,31-2
PhytoGen PHY 444 WRF	2.9	1.23	82.3	28.5	6.8	2	78.6	8.5	21-2,31-1
PhytoGen PHY 243 WRF	3.2	1.19	80.8	27.0	9.1	4	75.1	7.2	41-1,41-2
Deltapine DP 1044 B2RF	3.2	1.15	81.1	29.2	9.7	3	77.9	7.9	31-1,31-2
IST BRS 293	3.7	1.13	80.9	29.6	8.3	3	76.1	8.0	41-1
PhytoGen PHY 308 WRF	3.3	1.17	82.5	31.0	8.8	5	74.6	8.3	41-1,41-3

Table 3A. Fiber quality results from the irrigated uniform cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 1646 B2XF	3.0	1.24	81.7	28.1	9.0	3	79.1	7.5	31-1,31-2
IST BRS 286	3.2	1.17	81.9	28.5	8.4	4	75.9	8.3	31-2,41-1
Seed Source Genetics SSG HQ 210CT	2.9	1.15	80.9	29.7	8.3	3	78.5	7.7	31-1,31-2
UA 48	3.6	1.19	82.0	32.7	6.1	3	78.7	8.1	31-1,31-2
PhytoGen PHY 333 WRF	3.2	1.18	82.5	28.7	8.3	4	75.8	8.0	41-1
PhytoGen PHY 417 WRF	3.0	1.15	81.2	28.8	8.8	3	76.5	8.2	31-1,41-1
Deltapine DP 1549 B2XF	2.9	1.12	79.4	27.4	8.1	2	76.1	8.6	31-1,31-4
NexGen NG 5007B2XF	3.4	1.12	81.2	27.9	9.2	2	75.5	8.1	31-2,41-1
Deltapine DP 1522 B2XF	2.9	1.16	80.7	28.0	9.8	4	76.0	7.9	41-1
PhytoGen PHY 499 WRF	3.1	1.12	79.6	27.7	7.4	4	76.0	8.7	31-2
Deltapine DP 1614 B2XF	3.0	1.17	80.9	29.2	7.8	3	76.2	8.4	31-2,31-4
Seed Source Genetics SSG UA 103	3.1	1.18	81.6	30.0	8.3	2	79.3	8.0	21-2,31-1
IST BRS 269	3.3	1.17	81.8	29.5	7.4	4	76.9	7.5	31-2,41-1
Mean	3.3	1.17	81.8	29.3	8.1	3	77.3	7.9	
c.v.%	9.1	2.3	1.4	4.2	9.8	38.3	1.4	5.3	
LSD 0.05	0.5	0.05	1.9	2.1	1.3	2	1.7	0.7	

Table 4. Yield and agronomic property results from the irrigated uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	4-Oct	Resistance	Height
NexGen NG 3406B2XF	1805	28.8	46.8	41.1	31.4	5.5	10.1	7.5	30.2	78	4	31
IST BRS 335	1768	26.6	47.6	39.3	32.9	5.8	10.7	7.2	31.9	73	5	31
Deltapine DP 1612 B2XF	1737	27.8	45.8	41.0	30.2	5.3	9.7	7.1	30.2	78	4	30
FiberMax FM 2484B2F	1727	27.7	45.7	40.1	30.6	4.9	11.0	7.7	25.7	68	6	29
Stoneville ST 4747GLB2	1714	27.9	46.3	40.1	31.1	5.3	11.2	8.0	26.4	75	5	32
PhytoGen PHY 444 WRF	1714	28.9	44.9	42.1	32.2	5.4	10.9	8.4	27.1	65	5	30
NexGen NG 3500XF	1673	27.3	44.9	39.4	31.2	5.7	10.7	7.3	30.8	78	5	33
Deltapine DP 1549 B2XF	1653	26.1	43.2	41.3	31.2	4.9	9.0	6.6	30.7	60	5	31
FiberMax FM 2322GL	1638	30.6	40.8	44.2	32.3	5.4	11.2	9.3	25.3	76	5	34
PhytoGen PHY 333 WRF	1633	27.6	46.2	40.7	30.2	5.8	10.4	7.7	30.4	70	5	32
FiberMax FM 1911GLT	1600	28.4	45.7	42.1	31.8	6.6	13.1	10.0	27.7	75	6	30
All-Tex Nitro 44B2RF	1594	26.0	47.8	38.0	26.8	5.0	11.3	7.3	26.1	74	5	32
FiberMax FM 1900GLT	1591	27.7	43.2	39.6	29.8	5.9	11.6	8.1	28.7	75	5	30
Deltapine DP 1646 B2XF	1566	32.1	43.6	43.5	33.4	4.6	8.1	6.8	29.4	73	5	30
NexGen NG 3517B2XF	1562	26.6	45.6	39.6	30.2	5.6	11.2	7.6	29.2	74	5	35
Deltapine DP 1522 B2XF	1558	27.6	44.7	41.8	34.3	5.2	9.8	7.4	29.5	78	4	31
PhytoGen PHY 243 WRF	1539	26.4	45.9	37.0	27.6	5.4	11.5	7.4	27.0	76	5	32
PhytoGen PHY 308 WRF	1539	25.3	45.9	38.2	30.3	5.3	11.9	7.8	25.9	74	5	31
PhytoGen PHY 312 WRF	1530	26.2	44.8	39.9	30.7	6.3	11.9	8.4	30.0	74	6	32
NexGen NG 1511B2RF	1522	28.3	43.7	42.7	32.4	5.1	10.3	8.1	27.1	79	4	31
Deltapine DP 1614 B2XF	1517	28.9	43.5	42.6	33.8	4.9	8.3	6.8	30.5	78	4	29
FiberMax FM 2011GT	1504	28.9	47.6	41.7	31.3	6.0	12.2	9.3	27.0	78	5	31
Deltapine DP 1044 B2RF	1473	26.3	48.0	38.9	30.6	4.7	9.5	6.5	28.0	66	5	29
Deltapine DP 0912 B2RF	1468	27.8	45.9	39.5	31.0	5.5	10.4	7.2	30.2	79	4	30
PhytoGen PHY 417 WRF	1457	28.4	45.5	42.1	32.0	5.2	9.0	6.9	31.3	70	5	30
Deltapine DP 1518 B2XF	1424	26.2	45.3	38.9	27.8	4.9	10.2	7.1	26.9	74	4	32
Stoneville ST 4946GLB2	1411	27.9	47.6	39.9	29.9	6.1	12.2	8.3	29.0	78	5	31
PhytoGen PHY 499 WRF	1381	26.4	44.4	40.0	31.7	5.4	10.4	7.5	28.8	79	5	30
FiberMax FM 1830GLT	1371	27.9	42.8	44.8	36.2	5.2	9.5	8.1	29.0	78	5	29
FiberMax FM 2334GLT	1343	27.6	41.9	40.9	30.3	5.0	9.5	7.0	29.4	79	5	31

Table 4. Yield and agronomic property results from the irrigated uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	4-Oct	Resistance	Height
Seed Source Genetics SSG HQ 210CT	1292	27.2	47.8	38.0	29.9	5.0	9.9	6.3	30.0	74	4	27
PhytoGen PHY 223 WRF	1290	23.4	47.8	36.9	28.0	5.5	11.6	7.2	28.2	80	5	31
IST BRS 286	1287	25.8	47.4	37.8	29.0	5.2	10.8	6.9	28.3	63	4	32
Seed Source Genetics SSG UA 222	1277	25.7	45.8	39.1	29.6	5.9	11.7	8.1	28.9	61	5	28
13-9-218S	1272	24.7	48.6	34.6	25.5	5.1	12.4	7.0	25.1	69	5	32
NexGen NG 5007B2XF	1261	28.4	43.3	41.9	32.9	5.1	8.3	6.5	33.0	78	4	32
NexGen NG 4545B2XF	1254	26.7	45.5	39.6	29.2	5.3	10.7	7.3	28.8	74	5	34
IST BRS 293	1233	26.5	45.9	37.6	29.6	5.8	10.9	6.9	31.8	61	5	31
PhytoGen PHY 725 RF	1176	25.6	48.4	36.7	28.3	5.6	11.5	7.1	28.9	79	4	32
IST BRS 269	1155	24.4	43.8	37.5	27.8	5.8	12.1	7.5	29.1	56	4	34
PhytoGen PHY 222 WRF	1130	27.0	45.6	40.9	30.6	5.3	11.2	8.2	26.6	81	4	32
UA 48	1095	24.0	47.4	35.8	26.7	5.6	11.6	6.8	29.6	79	4	29
Seed Source Genetics SSG UA 103	918	24.8	45.8	38.4	27.9	5.8	11.3	7.5	29.7	74	5	27
Mean	1457	27.1	45.5	39.9	30.4	5.4	10.7	7.5	28.7	73	4	31
c.v.%	14.9	4.1	3.5	2.8	6.2	6.4	3.6	4.2	7.4	8.6	14.9	6.5
LSD 0.05	254	1.3	1.9	1.9	3.2	0.6	0.7	0.5	3.6	7	1	2

Table 4A. Fiber quality results from the irrigated uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
NexGen NG 3406B2XF	4.0	1.15	82.3	30.7	8.2	4	72.0	8.5	41-3,41-4
IST BRS 335	3.5	1.20	82.1	30.7	7.1	4	71.4	8.0	41-2,41-4
Deltapine DP 1612 B2XF	4.2	1.16	82.4	30.9	8.1	6	69.4	8.4	42-2,51-3
FiberMax FM 2484B2F	3.6	1.24	81.9	32.5	6.5	4	71.1	8.3	41-2,42-2
Stoneville ST 4747GLB2	4.0	1.22	82.1	29.8	6.1	5	71.0	7.3	51-1
PhytoGen PHY 444 WRF	3.2	1.19	79.4	32.3	6.7	4	71.7	8.7	41-4,42-1
NexGen NG 3500XF	4.5	1.16	82.7	32.6	7.6	3	70.6	9.1	42-1,42-2
Deltapine DP 1549 B2XF	3.4	1.19	80.8	31.8	6.9	3	69.5	8.9	42-2,51-3
FiberMax FM 2322GL	4.2	1.22	81.6	33.6	6.0	5	70.9	8.2	41-4,51-3
PhytoGen PHY 333 WRF	3.9	1.19	83.5	29.9	8.0	4	70.6	8.6	41-4,42-2
FiberMax FM 1911GLT	3.8	1.21	83.2	32.1	6.7	4	72.8	8.1	41-2,41-3
All-Tex Nitro 44B2RF	3.5	1.23	82.6	33.5	7.9	6	69.2	8.3	42-2,51-1
FiberMax FM 1900GLT	3.9	1.20	80.8	31.7	5.8	4	70.7	8.6	41-4,42-1
Deltapine DP 1646 B2XF	3.9	1.28	83.1	29.5	8.8	3	73.2	8.2	41-1
NexGen NG 3517B2XF	4.4	1.15	81.0	30.3	8.4	4	70.7	8.6	41-4,42-2
Deltapine DP 1522 B2XF	4.4	1.17	82.9	29.8	9.2	5	70.3	8.2	41-4,51-3
PhytoGen PHY 243 WRF	3.6	1.21	80.7	29.3	7.6	5	70.5	8.1	41-4,51-3
PhytoGen PHY 308 WRF	4.0	1.16	82.6	31.4	7.4	5	68.8	8.4	51-3,52-1
PhytoGen PHY 312 WRF	4.1	1.18	82.8	30.3	7.2	4	70.4	8.3	41-4
NexGen NG 1511B2RF	4.1	1.14	81.5	30.7	9.0	4	70.4	8.6	41-4,42-2
Deltapine DP 1614 B2XF	4.3	1.19	82.0	30.2	7.5	4	69.1	8.9	42-2,52-1
FiberMax FM 2011GT	3.9	1.18	83.7	32.3	6.4	5	73.0	7.9	41-2
Deltapine DP 1044 B2RF	3.6	1.15	81.1	28.9	9.0	4	69.3	8.3	41-4,52-1
Deltapine DP 0912 B2RF	4.4	1.11	82.8	29.4	7.5	5	70.1	8.4	41-4,52-1
PhytoGen PHY 417 WRF	3.4	1.12	82.1	30.7	9.2	4	70.1	8.9	42-1,51-3
Deltapine DP 1518 B2XF	3.9	1.19	82.9	30.6	8.1	5	68.1	8.7	41-2,52-1
Stoneville ST 4946GLB2	4.1	1.19	82.7	31.2	7.6	5	71.1	8.4	41-4,42-2
PhytoGen PHY 499 WRF	3.5	1.14	82.0	31.6	8.1	4	69.8	8.5	42-1,51-3
FiberMax FM 1830GLT	3.9	1.23	82.0	31.9	6.5	4	71.2	8.1	41-2,41-4
FiberMax FM 2334GLT	4.1	1.23	82.5	30.4	6.0	4	72.2	7.5	41-2,51-1

Table 4A. Fiber quality results from the irrigated uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Seed Source Genetics SSG HQ 210CT	4.1	1.16	81.0	31.9	7.4	3	72.0	8.2	41-2,41-4
PhytoGen PHY 223 WRF	3.8	1.25	83.7	30.8	6.8	5	71.4	8.0	41-2,41-4
IST BRS 286	3.5	1.12	81.2	32.3	6.3	4	67.9	8.9	42-2,52-1
Seed Source Genetics SSG UA 222	3.7	1.22	81.8	31.1	8.6	5	71.2	8.6	41-3,41-4
13-9-218S	3.6	1.21	82.0	32.5	6.4	4	71.2	8.3	41-4,51-3
NexGen NG 5007B2XF	4.0	1.15	81.0	27.8	8.2	4	72.0	8.9	41-3,42-1
NexGen NG 4545B2XF	4.3	1.16	82.0	32.2	5.4	3	70.6	9.2	42-1,42-2
IST BRS 293	3.3	1.13	80.1	32.9	7.5	5	68.3	8.7	51-3,52-1
PhytoGen PHY 725 RF	3.9	1.27	84.1	33.3	7.3	4	71.0	8.3	41-4
IST BRS 269	3.4	1.21	82.0	33.7	5.6	5	70.5	8.5	42-2,51-3
PhytoGen PHY 222 WRF	4.6	1.13	82.6	30.2	9.4	4	71.7	8.2	41-2,41-4
UA 48	4.3	1.29	83.6	34.6	6.7	4	69.7	8.1	51-3
Seed Source Genetics SSG UA 103	4.3	1.18	82.5	31.6	7.3	3	73.6	8.3	41-1,41-3
Mean	3.9	1.19	82.1	31.3	7.4	4	70.7	8.4	
c.v.%	7.5	2.0	1.3	3.5	7.9	26.3	2.0	5.4	
LSD 0.05	0.5	0.04	1.8	1.8	1.0	2	2.4	0.8	

Table 5. Yield and agronomic property results from the dryland uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	15-Sep	Resistance	Height
Deltapine DP 1549 B2XF	279	31.5	44.4	40.6	28.7	3.3	7.7	6.2	21.4	45	5	12
Deltapine DP 1522 B2XF	275	31.5	42.8	41.2	29.9	3.5	8.0	6.2	23.0	58	4	12
PhytoGen PHY 444 WRF	275	31.4	44.8	44.4	29.2	3.5	8.8	7.5	20.7	39	5	10
PhytoGen PHY 312 WRF	252	30.6	43.2	41.3	29.3	4.2	8.7	6.6	26.0	63	5	11
NexGen NG 3406B2XF	244	31.7	43.3	40.5	29.8	4.2	8.4	6.4	26.3	84	5	11
NexGen NG 5007B2XF	239	31.5	43.6	43.0	29.4	3.6	7.5	6.2	25.1	59	5	13
FiberMax FM 2322GL	237	33.1	41.1	45.1	33.1	3.8	9.3	8.3	20.8	68	5	11
IST BRS 293	237	29.4	45.7	38.9	27.5	3.9	9.7	6.5	22.9	30	5	11
FiberMax FM 1830GLT	236	32.7	43.8	46.0	31.1	3.5	8.0	7.4	22.0	85	4	12
Deltapine DP 1518 B2XF	234	30.2	42.8	40.6	31.2	3.8	8.3	6.3	24.4	70	5	12
NexGen NG 3500XF	233	28.6	44.7	42.9	30.4	3.8	8.8	6.8	23.8	74	5	12
NexGen NG 1511B2RF	221	31.4	42.8	41.3	32.0	3.5	8.8	7.0	20.6	78	5	13
NexGen NG 4545B2XF	221	31.9	45.4	40.4	29.4	3.5	8.9	6.6	21.5	59	6	12
PhytoGen PHY 308 WRF	221	28.8	43.3	39.2	27.9	3.8	8.5	6.4	23.0	60	5	10
FiberMax FM 2484B2F	219	30.3	44.3	41.9	29.5	4.5	8.5	6.8	27.4	63	5	10
NexGen NG 3517B2XF	216	30.6	45.9	40.3	29.0	3.5	8.4	6.1	22.7	80	6	13
Stoneville ST 4747GLB2	214	27.8	42.0	40.3	28.8	3.7	8.8	6.4	23.6	74	6	11
PhytoGen PHY 223 WRF	214	29.0	45.1	39.5	28.7	4.3	8.5	6.1	27.8	65	6	11
Seed Source Genetics SSG UA 222	211	29.7	43.6	39.1	27.8	3.5	9.7	6.9	19.7	76	5	11
Deltapine DP 1646 B2XF	210	33.3	42.5	42.7	24.3	2.5	7.7	6.7	15.7	60	6	12
PhytoGen PHY 333 WRF	210	31.2	41.8	40.0	26.7	3.8	8.0	6.1	24.7	74	5	10
PhytoGen PHY 499 WRF	209	32.4	44.4	45.2	32.4	3.9	8.6	7.4	24.1	44	5	12
IST BRS 335	208	29.9	46.7	38.9	30.7	3.5	8.8	6.1	22.5	63	5	10
All-Tex Nitro 44B2RF	206	27.4	44.9	35.2	24.6	3.8	10.1	6.4	20.7	70	4	10
IST BRS 286	206	27.9	45.2	38.9	27.9	3.8	9.3	6.5	22.8	60	4	12
FiberMax FM 1911GLT	201	30.1	44.6	42.2	29.6	3.9	11.1	8.6	19.1	83	7	10
PhytoGen PHY 417 WRF	201	32.1	44.6	42.0	30.1	3.8	8.2	6.3	24.9	58	6	11
Stoneville ST 4946GLB2	200	31.7	45.6	39.2	27.6	4.2	9.3	6.6	25.0	56	6	11
Deltapine DP 1614 B2XF	193	30.9	42.1	42.9	26.4	3.4	7.4	6.2	23.1	61	5	10
PhytoGen PHY 222 WRF	192	30.6	43.8	40.2	29.4	3.6	8.6	6.5	22.2	85	5	11

Table 5. Yield and agronomic property results from the dryland uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	15-Sep	Resistance	Height
PhytoGen PHY 243 WRF	189	31.3	44.3	41.2	27.5	3.4	8.7	6.8	20.4	74	6	10
Seed Source Genetics SSG HQ 210CT	187	30.0	47.9	39.3	30.5	3.7	8.3	5.8	25.1	64	5	10
FiberMax FM 2011GT	184	31.7	45.7	38.6	24.8	3.7	9.8	7.2	20.2	65	6	10
FiberMax FM 2334GLT	184	32.9	43.3	42.9	28.7	2.9	8.0	7.0	17.7	65	6	10
Deltapine DP 1612 B2XF	182	30.0	42.4	38.8	27.0	3.6	8.2	6.7	21.1	68	4	10
FiberMax FM 1900GLT	182	31.1	44.7	41.0	28.5	3.8	8.9	6.9	22.7	80	6	11
Deltapine DP 1044 B2RF	178	29.4	44.8	35.1	24.9	3.3	8.2	5.3	22.3	51	5	11
Deltapine DP 0912 B2RF	177	30.5	45.3	39.4	31.4	3.9	8.5	6.2	24.6	79	4	11
IST BRS 269	174	27.8	46.2	39.4	30.2	4.1	9.7	6.6	24.2	19	5	14
13-9-218S	173	29.5	48.3	38.4	29.1	3.5	9.4	6.2	21.6	68	5	10
Seed Source Genetics SSG UA 103	153	30.4	46.2	39.2	25.5	3.7	10.0	7.0	20.7	60	4	11
UA 48	137	25.1	45.4	36.6	28.0	3.9	8.9	5.5	26.1	65	5	10
PhytoGen PHY 725 RF	109	29.6	44.6	42.5	27.8	3.1	9.5	7.1	18.4	61	3	11
Mean	208	30.4	44.4	40.6	27.8	3.7	8.7	6.6	22.6	64	5	11
c.v.%	23.7	3.8	2.6	3.5	6.6	12.6	4.4	6.2	12.8	26.0	16.5	13.6
LSD 0.05	58	1.3	1.4	2.4	3.2	0.8	0.6	0.7	4.9	20	1	2

Table 5A. Fiber quality results from the dryland uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 1549 B2XF	4.5	1.00	77.7	26.5	7.5	5	72.6	9.8	32-2
Deltapine DP 1522 B2XF	5.0	1.04	80.1	28.8	9.4	3	71.3	9.4	42-1
PhytoGen PHY 444 WRF	4.1	1.12	81.4	29.7	8.2	3	72.8	9.4	42-1
PhytoGen PHY 312 WRF	4.6	1.08	81.4	28.1	7.9	3	70.4	9.2	42-1,42-2
NexGen NG 3406B2XF	4.7	1.03	80.5	27.8	9.3	4	71.5	9.3	32-2,42-2
NexGen NG 5007B2XF	4.8	1.05	79.5	25.6	8.6	1	72.4	9.7	32-2,42-1
FiberMax FM 2322GL	4.8	1.07	81.4	29.1	5.8	3	72.6	9.3	32-2,41-3
IST BRS 293	4.4	1.08	80.8	29.7	8.1	2	74.0	9.7	32-1
FiberMax FM 1830GLT	5.0	1.10	80.9	30.7	6.7	3	73.7	8.8	41-3
Deltapine DP 1518 B2XF	4.8	1.04	80.7	27.2	7.9	5	70.3	8.7	41-4,42-2
NexGen NG 3500XF	5.1	1.00	80.9	29.5	8.4	3	70.4	9.7	42-1
NexGen NG 1511B2RF	5.0	1.03	80.6	29.2	9.1	3	72.1	9.5	32-2,42-1
NexGen NG 4545B2XF	5.0	1.05	80.2	27.9	6.4	3	72.6	9.6	32-2,42-1
PhytoGen PHY 308 WRF	4.4	1.08	81.9	30.1	8.4	5	70.6	9.2	42-1,42-2
FiberMax FM 2484B2F	4.2	1.09	79.9	29.1	7.4	2	74.2	8.8	31-4,41-3
NexGen NG 3517B2XF	4.8	1.04	80.6	29.8	7.7	4	72.4	9.1	41-3,42-1
Stoneville ST 4747GLB2	4.8	1.09	79.2	25.6	6.2	4	70.9	8.3	41-3,51-3
PhytoGen PHY 223 WRF	4.8	1.10	81.1	30.6	8.6	3	72.9	9.1	42-1
Seed Source Genetics SSG UA 222	4.9	1.06	79.9	29.4	9.0	3	69.7	8.9	42-2
Deltapine DP 1646 B2XF	4.9	1.09	79.2	27.0	9.6	2	71.4	9.1	42-1
PhytoGen PHY 333 WRF	4.9	1.04	79.8	26.9	8.3	3	70.1	9.8	32-2,42-2
PhytoGen PHY 499 WRF	4.5	1.05	80.4	29.1	10.2	3	71.5	9.4	42-1
IST BRS 335	4.5	1.08	81.1	29.5	8.2	3	73.1	8.4	41-1,41-3
All-Tex Nitro 44B2RF	4.0	1.13	81.9	31.0	8.5	5	69.8	8.5	42-1,51-3
IST BRS 286	4.5	1.02	79.3	28.7	7.3	2	72.8	9.1	41-3,42-1
FiberMax FM 1911GLT	4.8	1.07	80.6	30.0	7.2	2	74.7	8.6	31-4,41-3
PhytoGen PHY 417 WRF	4.3	1.06	80.3	27.7	8.4	3	73.3	9.4	32-2
Stoneville ST 4946GLB2	5.0	1.04	81.6	29.2	8.9	3	70.0	9.2	42-2
Deltapine DP 1614 B2XF	4.9	1.08	81.3	27.7	8.5	3	71.6	9.6	42-1
PhytoGen PHY 222 WRF	4.9	1.03	80.6	28.5	8.7	4	70.5	9.2	42-1,42-2

Table 5A. Fiber quality results from the dryland uniform cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
PhytoGen PHY 243 WRF	4.4	1.07	78.3	27.8	8.2	4	70.2	9.0	42-1,52-1
Seed Source Genetics SSG HQ 210CT	4.9	1.01	78.9	28.1	9.0	2	73.4	9.1	32-2,41-3
FiberMax FM 2011GT	4.3	1.04	80.4	28.7	7.5	3	72.3	9.1	32-2,41-4
FiberMax FM 2334GLT	5.1	1.09	80.6	28.8	6.3	3	71.7	9.2	42-1
Deltapine DP 1612 B2XF	4.5	1.05	80.7	29.0	8.9	5	68.2	9.2	42-2,52-1
FiberMax FM 1900GLT	4.7	1.08	79.9	29.7	6.0	3	71.8	8.9	41-4,42-1
Deltapine DP 1044 B2RF	4.4	1.05	81.1	27.7	9.7	4	72.8	9.3	32-1,42-2
Deltapine DP 0912 B2RF	4.9	1.02	80.3	28.3	8.7	4	71.6	9.0	41-3,42-1
IST BRS 269	4.0	1.10	80.2	28.0	6.7	1	76.1	9.6	32-1
13-9-218S	4.6	1.05	79.4	28.6	7.8	3	71.8	9.0	42-1
Seed Source Genetics SSG UA 103	4.8	1.09	81.6	30.6	7.4	4	72.9	9.1	42-1
UA 48	4.7	1.08	80.4	30.0	7.7	3	71.0	9.3	42-1,42-2
PhytoGen PHY 725 RF	4.5	1.08	80.9	30.3	7.8	2	70.4	9.4	42-1,42-2
Mean	4.6	1.07	80.4	28.7	8.0	3	71.9	9.2	
c.v.%	5.1	1.9	1.0	3.2	8.8	30.2	1.8	2.9	
LSD 0.05	0.4	0.03	1.3	1.6	1.2	2	2.1	0.5	

Table 6. Yield and agronomic property results from the dryland uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	23-Sep	Resistance	Height
FiberMax FM 2011GT	778	28.4	43.9	38.6	30.9	6.0	11.8	7.9	29.3	73	6	24
Deltapine DP 1646 B2XF	774	28.2	43.6	38.8	32.1	4.9	8.3	6.1	31.3	56	5	23
PhytoGen PHY 499 WRF	766	27.5	45.0	37.9	30.5	5.0	10.2	6.7	28.1	60	4	25
Stoneville ST 4946GLB2	765	27.0	46.5	38.4	31.8	6.1	11.8	7.6	31.1	40	4	25
Deltapine DP 0912 B2RF	756	26.1	44.4	37.8	30.5	4.8	10.0	6.5	28.0	65	4	23
Deltapine DP 1612 B2XF	745	23.9	40.7	35.1	29.6	5.6	10.0	6.2	31.7	65	4	24
FiberMax FM 2484B2F	737	25.9	45.9	37.8	31.4	5.0	11.0	7.0	27.2	39	6	21
FiberMax FM 1900GLT	710	28.4	45.2	36.9	31.0	6.3	11.0	7.4	31.3	63	5	25
NexGen NG 3517B2XF	694	25.4	45.7	35.9	28.4	5.3	10.8	6.4	29.5	66	5	26
PhytoGen PHY 308 WRF	684	24.8	43.2	36.3	29.4	5.4	10.7	6.8	29.1	59	4	23
PhytoGen PHY 333 WRF	674	25.9	44.1	38.0	30.5	5.5	10.0	6.7	30.9	55	5	24
PhytoGen PHY 243 WRF	666	25.2	46.2	35.6	29.5	5.5	10.9	6.8	28.9	69	5	24
PhytoGen PHY 417 WRF	654	31.4	45.3	39.0	31.9	5.3	9.1	6.2	33.5	46	4	22
NexGen NG 3406B2XF	651	27.0	42.8	37.5	30.2	5.4	9.9	6.4	31.0	65	5	26
FiberMax FM 1911GLT	647	28.3	44.8	41.5	32.7	6.2	13.0	9.4	27.2	56	6	24
Deltapine DP 1522 B2XF	644	26.1	44.2	39.2	32.4	5.0	9.6	6.6	29.8	51	5	24
PhytoGen PHY 312 WRF	643	25.3	44.0	37.5	29.8	5.3	11.0	7.1	28.3	51	4	26
Deltapine DP 1044 B2RF	637	25.6	45.4	37.0	29.9	4.4	9.6	6.0	26.8	46	4	20
NexGen NG 4545B2XF	623	27.4	44.4	37.1	30.0	6.0	10.2	6.3	34.8	66	5	25
Deltapine DP 1549 B2XF	617	26.9	44.9	37.8	30.4	5.2	9.0	6.0	32.6	28	4	24
NexGen NG 3500XF	610	24.1	42.0	36.0	29.4	5.4	10.6	6.4	30.5	58	5	26
FiberMax FM 2334GLT	609	27.1	43.3	40.1	31.4	5.4	9.5	6.8	32.2	58	5	21
PhytoGen PHY 444 WRF	604	29.5	45.7	39.6	31.1	5.4	10.6	7.3	29.1	34	6	23
NexGen NG 1511B2RF	575	26.6	40.7	39.3	31.2	5.3	10.4	7.2	28.9	71	4	26
All-Tex Nitro 44B2RF	571	24.8	45.0	34.9	27.9	5.1	11.6	6.7	26.3	63	4	25
FiberMax FM 1830GLT	560	29.7	42.7	39.9	32.8	5.8	10.1	7.3	32.1	70	5	24
Stoneville ST 4747GLB2	556	25.7	42.8	34.3	28.4	5.8	10.9	6.6	30.5	73	6	24
PhytoGen PHY 223 WRF	538	25.2	44.2	37.6	29.8	5.8	11.1	7.0	30.7	61	6	26
IST BRS 286	528	27.3	46.1	36.6	29.1	4.8	10.7	6.5	27.0	39	4	22
FiberMax FM 2322GL	526	27.5	40.2	40.0	30.6	5.5	10.5	7.7	28.7	66	4	24

Table 6. Yield and agronomic property results from the dryland uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	23-Sep	Resistance	Height
Seed Source Genetics SSG UA 222	522	25.2	44.9	35.6	28.9	5.8	12.0	7.1	28.9	28	4	20
IST BRS 335	520	24.1	46.4	36.1	29.2	5.0	10.9	6.4	28.3	33	5	22
Deltapine DP 1614 B2XF	498	25.2	39.9	40.2	31.9	4.9	8.7	6.4	30.9	55	4	22
IST BRS 293	491	25.9	47.3	35.0	28.5	5.5	10.6	6.4	30.1	36	4	22
PhytoGen PHY 222 WRF	449	28.8	45.9	36.8	29.1	5.4	10.8	6.9	28.6	75	4	24
Seed Source Genetics SSG HQ 210CT	417	25.8	47.8	34.6	28.1	4.8	9.5	5.4	30.8	48	5	17
UA 48	417	23.7	46.7	33.6	26.9	5.7	11.4	6.2	30.9	66	3	19
Deltapine DP 1518 B2XF	414	25.8	43.6	37.9	30.2	5.1	9.8	6.6	29.2	61	4	22
NexGen NG 5007B2XF	412	27.2	42.7	40.1	31.7	4.7	8.2	5.9	32.1	68	4	23
13-9-218S	383	24.2	47.9	33.8	27.1	5.8	11.6	6.5	30.4	43	4	23
Seed Source Genetics SSG UA 103	381	25.1	45.0	35.7	27.4	5.8	11.8	6.8	30.2	46	3	21
PhytoGen PHY 725 RF	369	21.5	43.5	33.2	26.7	5.6	11.0	5.9	31.2	70	3	26
IST BRS 269	354	22.9	46.9	34.7	27.9	5.5	11.1	6.6	29.0	38	4	22
Mean	585	26.2	44.4	37.2	29.9	5.4	10.4	6.7	30.0	55	4	23
c.v.%	18.6	3.4	3.2	3.0	3.5	5.5	3.8	4.7	5.4	24.6	17.5	8.1
LSD 0.05	128	1.1	1.6	1.9	1.7	0.5	0.7	0.5	2.7	16	1	2

Table 6A. Fiber quality results from the dryland uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2011GT	4.5	1.12	81.7	31.0	7.1	3	72.5	8.3	41-3,41-4
Deltapine DP 1646 B2XF	4.1	1.23	81.7	29.5	7.8	3	72.8	8.9	41-3
PhytoGen PHY 499 WRF	4.2	1.12	81.4	31.0	9.4	5	68.7	8.9	42-2,52-1
Stoneville ST 4946GLB2	4.1	1.12	80.9	30.8	8.6	4	69.2	9.4	42-2
Deltapine DP 0912 B2RF	4.8	1.11	80.0	31.1	8.0	4	69.1	8.6	51-3,52-1
Deltapine DP 1612 B2XF	4.8	1.11	80.6	31.5	10.1	6	67.9	8.6	52-1
FiberMax FM 2484B2F	4.2	1.22	81.6	32.2	6.6	4	68.9	8.7	42-2,51-3
FiberMax FM 1900GLT	4.8	1.15	80.6	32.0	5.4	4	69.6	8.3	42-2,52-1
NexGen NG 3517B2XF	4.4	1.18	81.8	33.4	7.9	4	70.7	8.7	41-4,42-2
PhytoGen PHY 308 WRF	4.8	1.14	81.0	32.4	8.3	5	68.5	8.8	42-2,52-1
PhytoGen PHY 333 WRF	3.5	1.14	82.0	30.0	7.2	4	70.8	9.1	42-2
PhytoGen PHY 243 WRF	4.2	1.17	80.7	31.2	8.1	5	70.9	8.1	41-2,51-3
PhytoGen PHY 417 WRF	4.0	1.10	80.2	30.1	9.5	3	69.9	9.5	42-1,42-2
NexGen NG 3406B2XF	4.8	1.10	80.4	29.6	9.2	4	72.1	8.8	41-3,41-4
FiberMax FM 1911GLT	4.5	1.17	82.7	32.9	6.7	3	74.8	7.7	41-1
Deltapine DP 1522 B2XF	4.5	1.17	81.4	30.7	10.4	4	69.7	8.6	41-4,42-2
PhytoGen PHY 312 WRF	4.6	1.12	81.3	29.2	8.1	2	70.4	9.6	42-1,43-1
Deltapine DP 1044 B2RF	4.4	1.11	81.1	29.4	9.8	2	69.0	9.7	42-2,42-2
NexGen NG 4545B2XF	4.4	1.16	81.3	34.4	5.4	3	70.8	8.6	41-4,42-1
Deltapine DP 1549 B2XF	3.7	1.13	79.7	32.0	7.2	2	71.1	9.0	41-4,42-1
NexGen NG 3500XF	4.7	1.12	80.0	31.7	7.7	3	68.8	9.1	42-2,52-1
FiberMax FM 2334GLT	4.5	1.19	81.6	31.8	6.9	4	73.1	8.2	41-1
PhytoGen PHY 444 WRF	3.9	1.20	81.7	30.6	6.8	3	70.4	9.1	42-1,42-2
NexGen NG 1511B2RF	4.7	1.13	80.0	31.2	8.6	4	70.4	8.8	42-2
All-Tex Nitro 44B2RF	3.9	1.20	82.1	34.2	7.7	6	67.9	8.1	51-3,52-1
FiberMax FM 1830GLT	4.3	1.19	82.8	31.9	6.3	3	72.6	8.5	41-3,41-4
Stoneville ST 4747GLB2	4.9	1.17	80.1	28.5	5.3	6	68.9	7.1	51-1
PhytoGen PHY 223 WRF	4.8	1.17	82.2	31.4	7.8	5	68.8	8.1	42-2,51-2
IST BRS 286	3.5	1.12	79.8	31.2	7.7	3	71.5	9.1	41-3,42-1
FiberMax FM 2322GL	4.2	1.20	81.3	34.7	5.2	3	70.2	8.2	41-4,51-3

Table 6A. Fiber quality results from the dryland uniform cotton performance test at the AG-CARES farm in Lamesa, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Seed Source Genetics SSG UA 222	3.3	1.18	80.9	30.9	8.4	4	69.7	9.5	42-1,42-2
IST BRS 335	3.5	1.16	80.9	30.7	6.6	4	71.1	8.3	41-4
Deltapine DP 1614 B2XF	4.7	1.18	79.9	29.9	9.3	5	68.6	8.7	52-1
IST BRS 293	3.8	1.12	80.7	31.8	7.7	3	69.7	9.2	42-2
PhytoGen PHY 222 WRF	5.2	1.08	81.3	30.3	8.5	3	71.5	8.2	41-2,41-4
Seed Source Genetics SSG HQ 210CT	4.5	1.11	79.1	31.0	7.9	3	70.1	9.4	41-4,43-1
UA 48	5.0	1.21	81.7	33.8	6.2	3	71.1	8.5	41-2,42-1
Deltapine DP 1518 B2XF	4.1	1.15	80.4	30.0	7.7	4	70.3	8.2	41-4,51-3
NexGen NG 5007B2XF	4.6	1.16	80.2	28.0	9.1	2	72.0	8.5	41-4
13-9-218S	4.1	1.16	82.9	33.4	5.6	3	72.1	8.2	41-4
Seed Source Genetics SSG UA 103	3.8	1.17	80.6	32.8	7.6	2	71.0	9.3	42-1,42-2
PhytoGen PHY 725 RF	4.2	1.15	80.8	33.0	7.9	4	68.3	8.8	52-1
IST BRS 269	3.6	1.14	79.8	32.9	7.0	2	71.3	8.7	41-4,42-1
Mean	4.3	1.15	81.0	31.3	7.7	3	70.4	8.7	
c.v.%	8.2	2.2	1.0	2.9	8.4	29.7	1.5	5.4	
LSD 0.05	0.6	0.04	1.4	1.5	1.1	2	1.8	0.8	

Table 7. Yield summary over five locations of the uniform cotton variety performance tests conducted by Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Overall Yield	Lubbock Irr Rank	Lubbock Dry Rank	Halfway Irr Rank	Lamesa Irr Rank	Lamesa Dry Rank
FiberMax FM 2484B2F	1226	1	15	1	4	7
Deltapine DP 1612 B2XF	1149	7	35	3	3	6
NexGen NG 3500XF	1136	19	11	2	7	21
FiberMax FM 2011GT	1101	4	33	9	22	1
FiberMax FM 2322GL	1096	3	7	7	9	30
NexGen NG 3406B2XF	1094	28	5	14	1	14
Stoneville ST 4747GLB2	1080	37	17	5	5	27
PhytoGen PHY 444 WRF	1060	6	3	26	6	23
FiberMax FM 1900GLT	1055	39	36	12	13	8
Stoneville ST 4946GLB2	1054	8	28	13	27	4
All-Tex Nitro 44B2RF	1050	38	24	8	12	25
PhytoGen PHY 312 WRF	1041	18	4	16	19	17
NexGen NG 4545B2XF	1037	5	13	4	37	19
Deltapine DP 0912 B2RF	1020	23	38	19	24	5
NexGen NG 3517B2XF	1019	31	16	21	15	9
Deltapine DP 1646 B2XF	1017	21	20	31	14	2
IST BRS 335	1016	33	23	23	2	32
PhytoGen PHY 243 WRF	1016	12	31	27	17	12
FiberMax FM 2334GLT	1014	17	34	11	30	22
Deltapine DP 1549 B2XF	1011	2	1	37	8	20
FiberMax FM 1911GLT	1007	36	26	20	11	15
PhytoGen PHY 308 WRF	1004	15	14	30	18	10
PhytoGen PHY 223 WRF	1003	26	18	6	32	28
NexGen NG 1511B2RF	1000	16	12	25	20	24
Deltapine DP 1044 B2RF	990	10	37	28	23	18
FiberMax FM 1830GLT	984	20	9	18	29	26
PhytoGen PHY 333 WRF	980	27	21	35	10	11
Deltapine DP 1518 B2XF	968	41	10	10	26	38
Deltapine DP 1522 B2XF	962	11	2	39	16	16
Seed Source Genetics SSG UA 222	935	22	19	22	34	31
PhytoGen PHY 499 WRF	928	9	22	40	28	3
IST BRS 293	911	14	8	29	38	34
13-9-218S	910	34	40	15	35	40
PhytoGen PHY 417 WRF	897	43	27	36	25	13
IST BRS 286	897	30	25	32	33	29
Deltapine DP 1614 B2XF	882	25	29	41	21	33
PhytoGen PHY 725 RF	880	24	43	17	39	42
PhytoGen PHY 222 WRF	877	29	30	24	41	35
Seed Source Genetics SSG HQ 210CT	860	32	32	33	31	36
NexGen NG 5007B2XF	835	35	6	38	36	39
UA 48	779	42	42	34	42	37
IST BRS 269	717	13	39	43	40	43
Seed Source Genetics SSG UA 103	674	40	41	42	43	41

Notes

Table 8. Yield summaries of the irrigated and dryland uniform cotton variety performance tests at Texas A&M AgriLife Research Lubbock, Halfway, and the AG-CARES farm in Lamesa, 2011-2016.

Lubbock Irrigated

Designation	2012	2013	2014	2015	2016	Avg.	Comp. Average[1/]
	Five Year Average						
FiberMax FM 2484B2F	875	714	577	873	1133	834	
FiberMax FM 2011GT	717	802	546	1024	952	808	
Deltapine DP 0912 B2RF	728	751	652	962	867	792	
Stoneville ST 4946GLB2	810	607	531	954	934	767	
NexGen NG 1511 B2RF	821	621	499	923	901	753	
PhytoGen PHY 499 WRF	757	565	526	916	929	739	
Deltapine DP 1044 B2RF	596	647	554	919	929	729	
All-Tex Nitro 44 B2RF	888	592	435	913	775	721	
PhytoGen PHY 725 RF	771	281	379	784	857	614	
	Four Year Average						
Seed Source Genetics SSG HQ 210 CT	535	590		757	813	673	647
	Three Year Average						
PhytoGen PHY 333 WRF			678	978	842	833	812
FiberMax FM 2334GLT			410	1094	888	797	776
PhytoGen PHY 222 WRF			527	956	828	770	749
FiberMax FM 2322GL			443	907	955	768	747
FiberMax FM 1830GLT			358	841	878	692	671

Lamesa Irrigated

Designation	2012	2013	2014	2015	2016	Avg.	Comp. Average[1/]
	Five Year Average						
Stoneville ST 4946GLB2	1115	1127	982	1093	1411	1146	
FiberMax FM 2011GT	910	1040	943	1183	1504	1116	
Deltapine DP 1044 B2RF	1036	1163	891	953	1473	1103	
Deltapine DP 0912 B2RF	948	980	958	931	1468	1057	
FiberMax FM 2484B2RF	955	917	824	753	1727	1035	
NexGen NG 1511 B2RF	1027	867	866	889	1522	1034	
PhytoGen PHY 499WRF	1071	882	873	677	1381	977	
All-Tex Nitro 44 B2RF	866	833	696	823	1594	962	
PhytoGen PHY 725 RF	458	601	664	540	1176	688	
	Four Year Average						
Seed Source Genetics SSG HQ 210 CT	692	477		501	1292	741	709
	Three Year Average						
PhytoGen PHY 333 WRF			982	836	1633	1150	1118
FiberMax FM 2322GL			651	814	1638	1034	1002
PhytoGen PHY 222 WRF			786	657	1277	907	875
FiberMax FM 2334GLT			612	740	1343	898	866
FiberMax FM 1830GLT			654	590	1371	872	840

Halfway Irrigated

Designation	2011	2012	2013	2014	2016	Avg.	Comp. Average[1/]
	Five Year Average						
FiberMax FM 2484B2F	1080	1363	1652	912	2314	1464	
All-Tex Nitro 44 B2RF	1366	1297	1533	803	2106	1421	
FiberMax FM 2011GT	1118	1268	1702	834	2087	1402	
Deltapine DP 0912 B2RF	1226	1103	1631	815	1832	1321	
PhytoGen PHY 725 RF	1030	1084	1425	749	1888	1235	
Deltapine DP 1044 B2RF	1258	1100	1280	763	1732	1227	
PhytoGen PHY 499 WRF	978	1233	1629	836	1357	1207	
	Four Year Average						
Stoneville ST 4946GLB2		1367	1543	660	1959	1382	1347
NexGen NG 1511 B2RF		1079	1628	850	1780	1334	1299
Seed Source Genetics SSG HQ 210 CT	1086	752	1337		1593	1192	1090

[1/]Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 8. Yield summaries of the irrigated and dryland uniform cotton variety performance tests at Texas A&M AgriLife Research Lubbock, Halfway, and the AG-CARES farm in Lamesa, 2011-2016.

Lubbock Dryland

Designation	2012	2013	2014	2015	2016	Avg.	Comp. Average[1/]
	Five Year Average						
Stoneville ST 4946GLB2	395	365	499	724	448	486	
Deltapine DP 1044 B2RF	593	367	436	681	178	451	
NexGen NG 1511 B2RF	481	269	304	720	382	431	
Deltapine DP 0912 B2RF	499	359	399	705	177	428	
PhytoGen PHY 499 WRF	488	268	362	790	209	423	
FiberMax FM 2011GT	363	445	395	682	184	414	
All-Tex Nitro 44 B2RF	316	362	404	754	206	408	
FiberMax FM 2484B2F	248	245	498	638	219	370	
PhytoGen PHY 725 RF	186	190	300	553	274	301	
	Four Year Average						
Seed Source Genetics SSG HQ 210 CT	400	227		570	321	380	378
	Three Year Average						
PhytoGen PHY 333 WRF			515	692	210	472	450
PhytoGen PHY 222 WRF			480	696	192	456	434
FiberMax FM 1830GLT			452	677	236	455	433
FiberMax FM 2322GL			418	634	237	430	408
FiberMax FM 2334GLT			356	645	184	395	373

Lamesa Dryland

Designation	2012	2013	2014	2015	2016	Avg.	Comp. Average[1/]
	Five Year Average						
Stoneville ST 4946GLB2	342	376	468	853	765	561	
FiberMax FM 2011GT	337	276	493	793	778	535	
PhytoGen PHY 499 WRF	412	315	442	657	766	518	
FiberMax FM 2484B2F	347	294	426	655	737	492	
Deltapine DP 0912 B2RF	328	257	440	667	756	490	
Deltapine DP 1044 B2RF	306	378	457	630	637	482	
NexGen NG 1511 B2RF	271	292	359	765	575	452	
All-Tex Nitro 44 B2RF	305	285	354	690	571	441	
PhytoGen PHY 725 RF	189	221	325	525	369	326	
	Three Year Average						
PhytoGen PHY 333 WRF			549	657	674	627	559
FiberMax FM 2334GLT			413	685	609	569	501
FiberMax FM 2322GL			378	698	526	534	466
FiberMax FM 1830GLT			378	602	560	513	445
PhytoGen PHY 222 WRF			402	508	522	477	409
Seed Source Genetics SSG HQ 210 CT		291		484	417	397	353

[1/]Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 9. Yield and agronomic property results from the irrigated late planted cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9-Oct	Resistance	Height
Americot AMX-3x2XF	1284	29.9	45.6	39.9	29.5	4.9	9.9	7.0	28.4	46	6	28
NexGen NG 3500XF	1258	28.3	43.7	39.1	30.1	5.5	9.9	6.8	32.0	44	4	28
FiberMax FM 2011GT	1256	28.7	43.4	41.5	30.4	6.2	11.4	8.6	30.0	70	6	25
NexGen NG 3406B2XF	1201	27.9	48.1	41.3	31.8	5.1	10.0	7.4	28.5	55	5	24
Deltapine DP 0912 B2RF	1154	29.3	45.2	40.9	32.1	5.2	9.9	7.2	29.2	53	4	25
Deltapine DP 1612 B2XF	1102	29.2	45.2	38.9	32.1	5.3	10.0	6.7	30.1	69	4	25
PhytoGen PHY 308 WRF	1090	25.8	45.2	38.3	29.8	5.4	10.3	6.8	30.2	44	5	25
Americot AMX-3-7040XF	1083	28.4	45.7	40.1	31.6	5.1	10.2	7.1	28.7	66	6	27
PhytoGen PHY 222WRF	1058	26.6	44.3	40.5	30.9	5.6	10.6	7.6	29.7	71	5	23
PhytoGen PHY 333 WRF	1005	26.5	41.9	41.0	31.4	5.4	9.4	6.9	31.9	61	5	27
PhytoGen PHY 312 WRF	986	26.5	44.5	40.7	31.0	5.5	10.2	7.3	30.9	56	4	26
FiberMax FM 1911GLT	981	29.4	44.0	41.6	31.9	6.2	12.3	9.2	27.9	51	6	22
FiberMax FM 1320GL	856	28.1	44.5	41.8	30.9	5.1	9.6	7.2	29.7	78	7	21
PhytoGen PHY 243 WRF	850	25.6	44.4	39.5	28.6	4.8	10.3	7.1	26.7	68	5	23
PhytoGen PHY 223 WRF	808	25.6	45.5	37.7	28.2	5.5	11.1	7.1	29.0	56	6	23
Mean	1065	27.7	44.7	40.2	30.7	5.4	10.3	7.3	29.5	59	5	25
c.v.%	10.6	3.5	5.5	1.6	5.7	7.1	2.8	3.3	8.4	15.4	14.0	9.1
LSD 0.05	135	1.2	2.9	1.1	3.1	0.7	0.5	0.4	4.4	11	1	3

Table 9A. Fiber quality results from the late planted cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Americot AMX-3x2XF	4.3	1.10	82.6	30.2	8.4	2	76.4	9.3	31-3
NexGen NG 3500XF	4.0	1.11	82.5	30.0	8.7	2	77.4	9.4	21-3,31-3
FiberMax FM 2011GT	3.7	1.16	82.7	29.9	6.7	3	77.6	8.3	31-1
NexGen NG 3406B2XF	3.4	1.11	81.3	29.0	8.4	2	78.3	9.0	21-4,31-1
Deltapine DP 0912 B2RF	4.0	1.12	82.4	29.4	7.8	3	77.7	9.0	21-1,31-3
Deltapine DP 1612 B2XF	3.7	1.14	81.4	30.6	9.7	3	76.4	8.9	31-2,31-3
PhytoGen PHY 308 WRF	3.6	1.14	81.7	31.5	8.5	4	75.0	8.7	31-4
Americot AMX-3-7040XF	4.1	1.09	83.3	31.9	9.1	1	73.7	9.5	32-2
PhytoGen PHY 222WRF	3.9	1.13	82.9	28.4	9.8	2	76.9	9.0	31-1,31-3
PhytoGen PHY 333 WRF	3.5	1.14	81.7	29.8	7.7	3	76.3	9.4	21-4,31-3
PhytoGen PHY 312 WRF	3.7	1.15	82.3	29.7	7.7	2	76.3	9.0	31-3
FiberMax FM 1911GLT	3.9	1.19	82.9	31.0	6.7	3	79.5	7.9	21-2,31-1
FiberMax FM 1320GL	3.9	1.13	81.5	31.0	8.2	2	78.0	8.4	31-1,31-2
PhytoGen PHY 243 WRF	3.4	1.19	80.7	29.3	8.6	4	77.3	8.2	31-1,31-2
PhytoGen PHY 223 WRF	3.8	1.19	82.6	29.9	9.1	3	77.7	8.6	31-1
Mean	3.8	1.14	82.1	30.1	8.3	2	76.9	8.8	
c.v.%	5.8	1.3	1.0	2.5	6.0	33.4	1.2	2.5	
LSD 0.05	0.4	0.03	1.4	1.3	0.9	1	1.6	0.4	

Table 10. Yield and agronomic property results from the irrigated new variety and strains cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	28-Sep	Resistance	Height
Bayer CropScience BX 1733GLT	1453	32.0	44.4	42.0	31.0	4.7	9.7	7.3	27.3	48	5	25
All-Tex CPS 14WSTR-747 B2RF	1433	34.1	42.7	42.0	32.5	5.0	9.1	7.1	30.1	49	5	23
Americot AMX-2-6489B2XF	1418	31.9	45.2	42.3	32.2	5.6	9.6	7.4	32.5	68	4	25
Monsanto 15R556B2XF	1404	35.5	40.8	44.7	33.7	5.0	9.2	8.1	27.8	24	5	25
Americot AMX-3x 2XF	1337	32.5	46.4	40.4	31.2	4.9	10.5	7.5	26.2	45	5	25
All-Tex CPS 12WSTR-307 3B2RF	1307	32.7	44.8	41.6	31.1	4.3	9.0	6.9	26.2	43	5	26
All-Tex CPS 14WSTR-262 B2RF	1287	34.8	39.9	41.9	30.1	6.0	8.7	6.7	37.5	71	5	23
FiberMax FM 1888GL	1279	32.9	44.6	43.1	33.3	5.5	10.4	8.4	27.9	71	5	24
FiberMax FM 1953GLTP	1197	30.1	46.5	38.7	29.7	4.7	10.3	6.8	26.8	61	5	19
Americot AMX-3-7040XF	1180	29.3	44.4	40.3	30.2	3.7	10.6	7.4	19.7	59	5	24
PhytoGen PX AST 32	1177	30.6	41.4	43.7	32.3	4.7	9.0	7.4	27.8	73	5	22
PhytoGen PX AST 34	1148	30.2	43.4	40.2	33.1	4.8	10.8	7.8	24.8	75	6	22
Bayer CropScience BX 1736GLT	1148	31.9	44.6	42.1	32.5	5.6	10.3	8.0	29.2	45	6	23
Stoneville ST 5020GLT	1145	30.8	44.9	38.6	26.5	4.3	11.1	7.4	22.4	71	5	21
Bayer CropScience BX 1739GLT	1136	34.2	45.3	40.3	33.8	4.7	9.4	7.0	27.1	58	5	22
Monsanto 15R513B2XF	1125	30.9	45.3	40.8	32.7	4.3	10.0	7.3	24.2	71	3	24
Bayer CropScience BX 1774GLTP	1074	30.0	46.1	39.7	30.2	4.7	10.2	7.0	26.6	63	5	19
Deltapine DP 1725 B2XF	1072	33.6	42.3	47.1	33.7	3.9	8.9	8.2	22.6	55	4	22
Bayer CropScience BX 1776GLTP	1026	30.6	46.4	41.0	32.5	4.4	9.1	6.7	26.7	70	4	21
PhytoGen PX AST 18	1010	30.6	43.5	41.5	33.6	4.6	9.4	7.0	27.3	60	5	22
Monsanto16R229B2XF	1000	33.2	44.3	41.9	29.9	4.1	8.5	6.6	25.9	43	5	26
Bayer CropScience BX 1737GLT	927	29.9	45.7	39.7	28.7	4.3	10.0	6.9	24.6	71	4	22
Bayer CropScience BX 1775GLTP	890	29.8	46.3	39.3	29.5	4.4	9.3	6.5	26.6	60	4	22
Mean	1181	31.8	44.3	41.4	31.5	4.7	9.7	7.3	26.8	59	5	23
c.v.%	13.1	3.2	3.3	2.4	5.9	9.5	4.3	4.8	12.2	17.9	16.5	6.5
LSD 0.05	182	1.2	1.7	1.7	3.2	0.8	0.7	0.6	5.7	12	1	2

Table 10A. Fiber quality results from the new variety and strains cotton performance test at Texas A&M AgriLife Rearch, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Bayer CropScience BX 1733GLT	4.7	1.13	81.9	30.0	7.8	2	75.7	8.6	31-2,31-3
All-Tex CPS 14WSTR-747 B2RF	4.4	1.14	81.8	28.1	8.1	2	77.3	8.7	31-1
Americot AMX-2-6489B2XF	5.0	1.08	82.3	30.8	7.5	4	73.1	8.6	41-3,41-4
Monsanto 15R556B2XF	4.0	1.19	82.1	30.2	7.1	2	78.2	8.5	21-2,31-1
Americot AMX-3x 2XF	5.2	1.09	82.9	31.2	9.7	2	73.4	9.0	31-4,42-1
All-Tex CPS 12WSTR-307 3B2RF	4.5	1.19	84.3	32.3	7.2	4	77.9	8.4	21-2,31-2
All-Tex CPS 14WSTR-262 B2RF	4.7	1.11	81.9	30.2	7.0	4	74.9	8.4	31-2,41-1
FiberMax FM 1888GL	4.9	1.15	82.5	30.5	5.6	3	76.3	8.1	31-1,41-1
FiberMax FM 1953GLTP	4.4	1.20	83.2	29.7	7.8	1	79.4	7.4	31-1,31-2
Americot AMX-3-7040XF	5.3	1.09	83.1	30.7	9.1	3	73.4	9.1	32-2,41-3
PhytoGen PX AST 32	4.4	1.11	82.5	30.3	7.6	2	76.2	9.2	31-3
PhytoGen PX AST 34	5.1	1.12	83.7	29.6	9.1	3	74.6	8.7	31-2,41-3
Bayer CropScience BX 1736GLT	4.0	1.19	83.1	29.7	8.3	2	76.5	9.2	31-3
Stoneville ST 5020GLT	4.6	1.20	83.4	31.7	8.2	4	74.2	8.2	41-1,41-3
Bayer CropScience BX 1739GLT	4.5	1.19	82.7	31.7	5.7	1	77.7	7.8	31-1,41-1
Monsanto 15R513B2XF	4.8	1.19	84.5	28.7	8.7	4	75.3	8.4	31.2,41-1
Bayer CropScience BX 1774GLTP	4.2	1.17	82.6	30.1	7.1	2	79.7	7.6	21-1,31-2
Deltapine DP 1725 B2XF	4.5	1.15	82.2	29.6	6.7	2	78.2	8.9	21-2,31-1
Bayer CropScience BX 1776GLTP	4.3	1.14	81.2	29.6	8.2	3	77.9	8.4	31-1
PhytoGen PX AST 18	4.7	1.12	83.4	31.9	9.2	1	76.3	8.8	31-1,31-4
Monsanto16R229B2XF	4.7	1.08	81.5	28.7	9.4	1	76.7	8.6	21-2,31-2
Bayer CropScience BX 1737GLT	4.2	1.15	82.4	29.7	8.5	2	76.7	8.7	31-1,31-3
Bayer CropScience BX 1775GLTP	3.9	1.15	82.3	29.2	9.1	2	77.4	8.4	31-1,31-2
Mean	4.5	1.14	82.7	30.2	7.9	2	76.4	8.5	
c.v.%	5.3	2.2	0.9	3.0	7.8	43.8	1.6	3.4	
LSD 0.05	0.4	0.04	1.3	1.5	1.1	2	2.1	0.5	

Table 11. Yield and agronomic propery results from the irrigated regional high quality cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

						Agronomic Properties				% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	28-Sep	Resistance	Height
FiberMax FM 2322GL	1215	34.3	42.2	43.1	35.7	5.2	10.3	8.3	27.2	50	5	23
Deltapine DP 1646B2XF	1211	35.6	44.8	43.3	36.0	4.7	8.2	6.6	30.7	35	5	26
FiberMax FM 1911GLT	1086	31.8	45.3	41.1	34.2	6.2	12.9	9.3	27.6	74	5	19
FiberMax FM 2484B2F	1085	31.7	45.5	39.2	33.2	4.5	11.0	7.4	23.6	76	5	21
Deltapine DP 1555B2RF	1081	32.8	42.9	42.0	35.0	4.8	8.7	6.7	30.4	38	5	24
PhytoGen PHY 444WRF	1062	31.6	44.0	42.4	35.4	4.9	10.8	8.1	25.6	50	5	24
PhytoGen PHY 552WRF	1005	29.6	43.9	41.0	34.0	4.5	8.6	6.2	29.6	46	5	27
FiberMax FM 1830GLT	950	32.3	42.7	41.9	34.0	5.1	9.6	7.3	29.2	70	4	22
PhytoGen PHY 333WRF	927	31.7	43.8	41.0	32.4	5.4	10.4	7.4	29.5	73	4	22
NM 13R1015	903	28.9	47.4	37.8	31.1	5.1	10.5	6.7	28.5	43	4	31
Ark 0822-75	874	29.4	48.0	38.3	32.0	5.1	10.6	6.9	28.7	70	4	21
MD 15-31	850	26.5	49.8	34.3	28.0	5.3	10.1	5.5	33.3	65	4	22
TAM BB-2139	820	27.0	47.8	34.6	28.4	5.7	12.3	6.9	28.7	54	4	19
Deltapine DP 1614B2XF	800	30.7	43.0	40.6	33.2	4.4	8.5	6.3	28.6	53	5	22
Ark 0819-84	795	29.7	47.7	35.8	29.8	5.3	11.2	6.6	29.1	80	3	18
TAM 11K-13	795	25.6	49.9	33.9	27.5	5.4	13.3	7.1	25.8	23	5	21
PhytoGen PHY 725RF	794	28.2	49.3	36.7	30.4	5.3	11.2	6.8	28.5	64	4	21
TAM 11T-08	778	27.1	50.4	33.6	28.0	6.9	12.8	6.8	34.2	66	4	19
Mean	946	30.2	40.0	38.9	32.1	5.2	10.6	7.0	28.8	57	4	22
c.v.%	14.1	3.6	2.7	2.1	2.5	5.7	5.0	4.8	6.0	18.2	10.0	8.9
LSD 0.05	158	1.3	1.5	1.4	1.4	0.5	1.0	0.6	3.0	12	1	2

Table 11A. Fiber quality results from the irrigated regional high quality cotton performance test at Texas A&M AgriLife Research, Lubbock, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2322GL	4.3	1.18	83.0	32.6	5.8	3	77.6	8.4	21-2,41-1
Deltapine DP 1646B2XF	4.2	1.23	83.2	29.0	8.6	2	79.4	8.5	21-2
FiberMax FM 1911GLT	4.6	1.19	83.6	31.6	7.0	1	77.8	7.7	31-1,31-2
FiberMax FM 2484B2F	4.2	1.19	82.0	31.1	6.8	3	78.0	7.6	31-1,41-1
Deltapine DP 1555B2RF	4.0	1.16	82.7	29.9	8.4	1	78.6	8.8	21-1,31-1
PhytoGen PHY 444WRF	4.0	1.24	83.1	30.4	6.6	1	78.2	8.5	31-1
PhytoGen PHY 552WRF	3.8	1.17	83.4	29.9	8.5	3	78.6	8.5	31-1
FiberMax FM 1830GLT	4.6	1.23	83.4	31.5	6.3	2	77.9	7.8	31-2
PhytoGen PHY 333WRF	4.3	1.17	83.5	31.0	7.5	3	73.6	9.0	32-2,41-3
NM 13R1015	4.1	1.22	82.2	33.4	7.2	3	75.7	9.0	31-3,31-4
Ark 0822-75	4.1	1.22	82.0	30.1	8.6	2	77.7	8.8	21-1,31-1
MD 15-31	4.1	1.20	83.3	34.4	6.4	3	77.0	8.2	31-2
TAM BB-2139	3.8	1.36	83.4	32.3	5.8	2	76.8	8.8	31-1
Deltapine DP 1614B2XF	4.2	1.18	83.1	29.5	9.0	4	76.4	9.2	21-4,31-4
Ark 0819-84	4.8	1.22	84.1	31.9	7.2	2	76.4	8.9	31-1,31-3
TAM 11K-13	3.9	1.43	84.4	33.8	6.1	3	77.8	8.4	31-1
PhytoGen PHY 725RF	4.2	1.19	83.8	33.3	8.4	3	76.2	9.4	31-3
TAM 11T-08	3.8	1.29	84.1	33.7	6.7	2	75.2	9.0	31-3,31-4
Mean	4.1	1.22	83.2	31.6	7.2	2	77.1	8.6	
c.v.%	5.6	2.7	1.2	2.8	6.3	30.9	1.6	3.0	
LSD 0.05	0.4	0.06	1.7	1.6	0.8	1	2.2	0.4	

Table 12. Yield and agronomic property results from the irrigated root-knot nematode cotton performance test at the AG-CARES farm in Lamesa, 2016.

				Agronomic Properties											
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm			RK/500cc	LOG10
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	4-Oct	Resistance	Height		soil	(RK)
FiberMax FM 2011GT	1580	28.9	46.4	41.2	30.8	6.3	12.1	9.0	29.0	73	6	28		2970	3.41
FiberMax FM 1911GLT	1403	27.8	45.8	42.1	31.9	6.1	12.9	9.8	26.4	71	6	26		6210	3.74
NexGen NG 3500XF	1384	26.0	46.3	39.1	31.3	5.4	10.6	7.1	30.3	60	5	28		18025	4.04
PhytoGen PHY 308 WRF	1378	24.8	46.1	38.3	26.6	5.3	10.9	7.2	28.2	68	5	27		3060	3.41
Stoneville ST 4946GLB2	1333	26.0	44.9	39.1	29.4	5.4	11.4	7.8	27.1	66	5	26		2640	3.40
Deltapine DP 1747NR B2XF	1266	27.9	43.1	42.8	33.0	5.8	10.4	8.3	29.9	30	4	29		1020	2.91
Bayer CropScience BX 1739GLT	1230	26.2	44.7	41.3	31.3	4.4	10.9	8.1	22.7	56	5	28		10710	3.91
PhytoGen PHY 499 WRF [s]	1216	25.1	46.1	39.6	27.8	4.6	10.4	7.2	25.7	58	4	30		10200	3.87
FiberMax FM 1888GL	1213	25.4	43.2	40.8	30.7	6.1	10.6	7.6	33.7	70	5	27		23850	4.26
PhytoGen PHY 333 WRF [s]	1207	25.3	45.7	40.3	30.3	5.4	10.2	7.2	30.2	65	5	26		5700	3.69
Monsanto 16R251NR B2XF	1178	25.2	42.1	40.7	31.5	5.8	10.3	7.5	31.4	20	4	33		745	2.58
Deltapine DP 1558NR B2RF	1177	25.9	44.1	40.4	30.5	5.9	10.5	7.5	31.7	29	5	32		2580	3.13
Bayer CropScience BX 1733GLT	1172	26.0	44.8	39.8	31.7	5.5	11.1	7.7	28.6	48	5	29		12750	3.97
Stoneville ST 5020GLT	1172	25.2	45.8	39.6	29.6	5.5	11.1	7.7	28.4	66	4	25		13050	4.10
Bayer CropScience BX 1774GLTP	1167	25.4	47.1	37.6	33.3	5.7	10.4	6.7	32.0	66	5	26		14040	4.09
PhytoGen PHY 417WRF	1128	26.7	46.4	40.7	31.3	4.6	11.1	8.1	23.4	73	5	26		585	2.54
Monsanto 16R252NR B2XF	1109	26.0	42.3	42.0	33.7	5.6	9.5	7.3	32.4	28	5	31		1435	2.88
Bayer CropScience BX 1737GLT	1054	24.6	46.2	38.7	28.8	5.1	10.2	6.8	29.2	76	5	24		7740	3.77
Bayer CropScience BX 1775GLTP	1008	23.6	45.7	37.4	28.3	4.5	9.1	5.8	28.6	84	5	24		14880	4.13
FiberMax FM 1953GLTP	963	25.8	47.4	36.9	29.9	5.3	10.4	6.6	29.9	69	5	26		28200	4.24
Bayer CropScience BX 1776GLTP	876	23.4	43.8	38.2	27.2	4.5	10.5	7.0	24.6	80	5	23		5550	3.53
Bayer CropScience BX 1736GLT	873	26.4	44.9	40.3	31.9	5.7	10.5	7.8	29.5	66	6	25		3090	3.29
Mean	1186	25.8	45.1	39.8	30.5	5.4	10.7	7.5	25.7	60	5	27	MSD 0.05	14,147	0.58
c.v.%	16.4	4.8	3.0	1.9	3.6	4.4	7.3	7.1	5.9	18.9	14.7	9.7			
LSD 0.05	230	1.5	1.6	1.3	1.9	0.4	1.3	0.9	2.9	13	1	3			

Table 12A. Fiber quality results from the irrigated root-knot nematode cotton performance test at the AG-CARES farm in Lamesa, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2011GT	3.7	1.15	81.0	31.5	7.3	4	75.0	8.0	41-1
FiberMax FM 1911GLT	3.8	1.19	81.7	32.3	6.7	3	74.0	7.5	41-1,41-2
NexGen NG 3500XF	3.7	1.13	82.3	30.3	8.0	3	70.8	9.4	42-1
PhytoGen PHY 308 WRF	3.1	1.16	82.3	32.8	8.3	7	70.6	8.5	41-4
Stoneville ST 4946GLB2	3.3	1.16	81.0	31.0	8.4	4	72.0	9.2	42-1
Deltapine DP 1747NR B2XF	2.9	1.11	78.2	29.1	7.5	3	70.0	10.6	33-2,43-1
Bayer CropScience BX 1739GLT	3.3	1.23	80.7	32.1	5.7	4	72.5	8.6	41-3,41-4
PhytoGen PHY 499 WRF [s]	3.0	1.14	81.0	30.4	8.5	4	71.6	9.3	42-1
FiberMax FM 1888GL	3.7	1.21	82.1	32.8	5.5	5	72.4	8.0	41-2,41-4
PhytoGen PHY 333 WRF [s]	3.2	1.17	81.1	29.9	7.6	4	72.5	9.2	42-1
Monsanto 16R251NR B2XF	2.9	1.19	80.4	30.0	7.5	3	70.1	10.1	42-1
Deltapine DP 1558NR B2RF	3.1	1.17	80.4	30.7	7.1	3	70.6	9.9	42-1
Bayer CropScience BX 1733GLT	3.0	1.20	80.0	31.1	7.1	3	72.6	8.8	41-3,42-1
Stoneville ST 5020GLT	3.5	1.16	79.7	32.0	9.0	3	71.5	7.9	41-4,51-1
Bayer CropScience BX 1774GLTP	3.2	1.19	81.0	29.2	7.2	4	74.4	7.8	41-1
PhytoGen PHY 417WRF	2.7	1.13	80.5	30.0	9.1	4	72.8	9.4	32-2,41-3
Monsanto 16R252NR B2XF	3.2	1.14	80.1	28.3	8.5	3	73.0	9.3	32-2,42-1
Bayer CropScience BX 1737GLT	3.1	1.19	81.0	29.5	7.4	3	73.0	8.3	41-2,41-3
Bayer CropScience BX 1775GLTP	2.7	1.18	79.7	28.8	8.9	4	73.5	8.1	41-1
FiberMax FM 1953GLTP	3.0	1.21	81.2	31.2	7.6	5	74.6	7.6	41-1,41-2
Bayer CropScience BX 1776GLTP	2.6	1.16	78.5	29.1	7.3	2	72.0	8.9	41-3,42-2
Bayer CropScience BX 1736GLT	2.8	1.20	81.0	30.5	8.0	4	72.1	9.5	32-2,42-1
Mean	3.1	1.17	80.7	30.6	7.6	3	72.3	8.8	
c.v.%	9.0	1.7	1.1	3.7	7.9	24.2	1.4	3.9	
LSD 0.05	0.5	0.03	1.6	1.9	1.0	1	1.7	0.6	

Table 13. Yield and agronomic property results from the irrigated Verticillium wilt cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

				Agronomic Properties											
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm			Wilt	Wilt	Defoliation
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	21-Oct	Resistance	Height		23-Aug	1-Sep	%
FiberMax FM 2322GL	1986	30.1	41.9	42.7	39.1	7.4	11.5	9.0	35.1	43	5	43		4.25	10.25	1.25
Americot AMX-3-7040XF	1900	28.2	45.6	39.4	30.0	5.6	11.2	7.5	29.4	50	5	45		7.75	15.25	5.83
FiberMax FM 1888GL	1864	28.5	43.7	40.3	29.7	5.7	10.4	7.5	30.4	65	6	42		13.25	29.50	8.75
FiberMax FM 2484 B2RF [r]	1674	26.9	43.4	40.3	30.6	5.1	10.8	7.7	26.4	36	5	46		5.25	12.25	2.73
NexGen NG 4545B2XF	1653	26.6	46.4	36.2	29.8	6.3	10.6	6.5	35.3	44	5	44		5.25	14.25	2.53
FiberMax FM 1911GLT	1648	26.6	45.7	39.1	30.0	6.9	13.0	8.8	30.7	54	6	36		6.25	13.50	0.00
NexGen NG 3500XF	1644	25.8	44.2	38.3	25.1	5.0	11.4	7.5	25.4	48	5	42		7.50	13.00	3.13
All-Tex CPS 13014-3V RF	1642	27.6	41.7	40.7	32.9	5.0	10.2	7.5	27.4	45	4	43		10.00	15.75	3.13
Americot AMX-2-6489B2XF	1615	26.0	44.1	38.5	28.5	5.5	10.7	7.2	29.1	51	5	39		9.50	19.00	12.68
Bayer CropScience BX 1736GLT	1594	26.4	44.5	40.0	28.4	5.0	9.9	7.2	28.1	53	7	37		7.50	13.25	5.20
PhytoGen PHY 243 WRF	1563	23.5	44.9	35.7	28.5	6.0	11.8	7.0	30.7	53	5	42		7.00	10.75	2.73
All-Tex CPS 14944-7 RF	1540	26.1	41.8	41.7	29.9	4.6	9.8	7.2	26.3	43	6	40		15.00	22.75	13.93
Bayer CropScience BX 1774GLTP	1480	25.2	46.7	37.6	29.7	5.6	10.7	6.7	31.2	64	6	36		13.75	20.75	9.98
PhytoGen PHY 223 WRF	1426	25.2	46.9	35.5	25.4	5.6	12.3	7.1	28.0	55	6	41		13.50	18.25	7.90
Deltapine DP 1612B2XF	1420	26.6	43.2	36.8	29.0	5.3	11.1	6.9	28.3	69	4	39		10.00	20.75	35.78
NexGen NG 3517B2XF	1410	24.9	46.1	38.8	29.2	5.2	10.6	7.0	29.1	66	6	38		4.75	11.00	10.80
Stoneville ST 5020GLT	1400	26.3	45.0	37.8	30.8	5.8	11.5	7.4	29.6	58	6	37		8.00	15.75	25.60
Bayer CropScience BX 1739GLT	1388	26.7	43.5	40.9	27.7	4.0	9.0	6.9	23.6	56	5	43		9.25	17.75	8.10
FiberMax FM 1953GLTP	1337	25.5	47.0	35.7	26.9	5.2	10.1	6.2	30.0	65	6	36		19.00	31.75	17.68
PhytoGen PHY 308 WRF	1281	23.7	45.3	35.9	26.7	5.3	10.6	6.3	30.3	51	5	41		9.25	17.25	12.48
NexGen NG 3406B2XF [s]	1169	23.5	44.1	38.8	29.7	5.3	10.9	7.3	28.3	61	5	37		15.50	26.75	41.15
Monsanto 15R556B2XF	1161	24.9	39.2	43.3	30.4	5.2	9.1	7.4	30.3	33	5	45		10.75	22.00	13.30
Bayer CropScience BX 1733GLT	1126	24.3	43.5	38.4	27.9	4.7	8.7	5.7	31.8	41	5	47		6.75	5.00	7.48
PhytoGen PHY 333WRF [s]	1083	23.1	43.7	37.7	26.9	4.9	9.5	6.2	29.7	60	6	43		15.25	34.75	31.80
Monsanto 15R513B2XF	1073	24.2	45.5	38.6	32.0	5.5	10.3	6.8	31.6	70	5	40		11.00	36.25	51.18
Bayer CropScience BX 1775GLTP	1047	22.9	44.2	37.1	26.4	4.4	8.8	5.5	29.6	68	6	39		5.00	16.50	15.83
Bayer CropScience BX 1776GLTP	1000	21.2	43.6	35.2	29.0	5.1	9.7	5.9	30.6	64	6	37		8.75	17.50	25.18
Deltapine DP 1725 B2XF	943	23.1	39.8	41.7	29.6	4.6	8.2	6.4	30.0	51	5	37		17.00	19.50	29.90
Seed Source Genetics UA 222	884	22.1	42.6	35.7	27.2	5.6	10.8	6.3	31.4	28	4	44		7.50	16.25	14.78
Bayer CropScience BX 1737GLT	863	21.0	43.6	36.0	28.7	4.5	9.7	5.8	28.1	60	6	39		13.00	27.00	33.93
Monsanto 16R229B2XF	817	22.3	41.9	38.4	25.4	4.2	8.2	5.7	27.5	54	6	43		8.25	15.25	29.53
Mean	1375	25.1	43.7	38.5	29.0	5.3	10.3	6.9	9.4	53	5	41	Prob>T	0.00	0.00	0.00
c.v.%	10.0	4.0	3.1	2.5	4.5	6.0	5.6	6.3	5.3	15.6	15.6	8.9	MSD(0.05)	8.33	13.03	17.12
LSD 0.05	161	1.2	1.6	1.6	2.2	0.5	1.0	0.7	2.6	10	1	4				

Table 13A. Fiber quality results from the Verticillium wilt cotton performance test at Texas A&M AgriLife Research, Halfway, 2016.

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2322GL	3.0	1.15	79.8	29.4	6.8	3	77.1	8.8	31-1,31-3
Americot AMX-3-7040XF	2.8	1.11	80.9	30.1	8.8	2	76.9	8.8	31-1,31-3
FiberMax FM 1888GL	3.0	1.21	82.7	31.4	6.5	4	77.1	7.5	31-2,41-1
FiberMax FM 2484 B2RF [r]	2.7	1.19	79.5	29.5	7.0	3	79.7	8.0	21-2,31-1
NexGen NG 4545B2XF	2.9	1.18	81.6	30.6	6.9	2	78.3	8.5	31-1
FiberMax FM 1911GLT	2.8	1.19	81.1	29.8	6.4	3	79.6	7.4	21-2,31-2
NexGen NG 3500XF	3.3	1.12	82.1	30.0	8.7	2	77.3	8.9	31-1,31-3
All-Tex CPS 13014-3V RF	3.2	1.19	81.9	29.0	9.2	3	78.1	8.2	31-1,31-2
Americot AMX-2-6489B2XF	2.8	1.12	81.7	29.5	8.2	2	77.7	8.7	31-1
Bayer CropScience BX 1736GLT	2.6	1.18	80.3	29.5	7.5	3	76.7	9.0	31-3
PhytoGen PHY 243 WRF	2.6	1.21	79.4	28.1	8.1	5	78.0	7.7	31-1,31-2
All-Tex CPS 14944-7 RF	2.8	1.27	83.1	30.5	9.0	4	76.4	8.2	31-2
Bayer CropScience BX 1774GLTP	2.7	1.17	81.1	28.1	7.3	3	79.0	7.8	21-1,41-1
PhytoGen PHY 223 WRF	2.9	1.24	82.6	29.7	7.9	4	76.8	7.6	31-2,41-1
Deltapine DP 1612B2XF	2.5	1.16	80.4	29.8	8.9	4	76.0	8.4	31-2,31-4
NexGen NG 3517B2XF	2.8	1.15	80.1	30.8	8.4	3	77.1	8.6	31-1
Stoneville ST 5020GLT	2.9	1.22	80.8	29.8	8.3	3	76.8	7.7	31-2,41-1
Bayer CropScience BX 1739GLT	2.8	1.20	80.0	31.8	6.2	2	77.6	7.8	31-1,41-1
FiberMax FM 1953GLTP	2.7	1.18	80.9	29.7	7.8	3	78.9	7.4	31-1,31-2
PhytoGen PHY 308 WRF	2.5	1.14	81.0	28.9	8.2	4	74.4	9.5	31-3,32-1
NexGen NG 3406B2XF [s]	2.6	1.14	79.6	27.8	9.1	3	74.6	8.8	31-4,41-3
Monsanto 15R556B2XF	2.5	1.20	80.0	29.1	7.8	2	79.6	8.6	21-1,21-2
Bayer CropScience BX 1733GLT	2.4	1.16	78.5	27.4	7.4	2	75.8	9.2	22-1,41-1
PhytoGen PHY 333WRF [s]	2.3	1.14	78.6	28.2	7.1	4	74.5	9.6	31-3,32-2
Monsanto 15R513B2XF	2.7	1.22	81.4	28.3	8.1	4	75.3	7.9	31-2,41-2
Bayer CropScience BX 1775GLTP	2.2	1.13	76.8	25.2	8.9	3	77.3	8.0	31-1,41-1
Bayer CropScience BX 1776GLTP	2.3	1.15	78.6	27.0	8.3	1	77.5	8.1	31-1,31-2
Deltapine DP 1725 B2XF	2.3	1.12	77.8	27.1	7.2	3	76.8	8.8	31-1,31-3
Seed Source Genetics UA 222	2.5	1.16	79.5	28.1	9.4	3	77.0	9.3	22-2,31-1
Bayer CropScience BX 1737GLT	2.4	1.15	79.8	27.1	8.5	2	77.3	8.0	31-1,41-1
Monsanto 16R229B2XF	2.4	1.08	78.9	28.5	8.3	2	77.2	8.6	31-1
Mean	2.7	1.17	80.3	29.0	7.9	3	77.2	8.3	
c.v.%	6.5	1.8	1.2	3.2	7.7	26.6	1.7	4.8	
LSD 0.05	0.3	0.04	1.6	1.6	1.0	1	2.2	0.7	

Table 14. Results of the irrigated bacterial blight cotton performance screening at Texas A&M AgriLife Research, Lubbock, 2016.

Variety	Blight%	Waller-Duncan	Rating
Americot AMX-1-5999B2XF	0	h	resistant
Americot AMX-2-6489B2XF	0	h	resistant
Stoneville ST 5020GLT	0	h	resistant
Bayer CropScience BX 1775GLTP	0	h	resistant
PhytoGen PX AST 18	0	h	resistant
NexGen NG3500XF	0	h	resistant
Bayer CropScience BX 1739GLT	1	h	resistant
Deltapine DP 1639 B2XF	1	h	resistant
PhytoGen PX AST 32	1	h	resistant
FiberMax FM 2484B2F [r]	1	h	resistant
FiberMax FM 1888GL	1	gh	resistant
Deltapine DP 1518 B2XF	1	gh	resistant
Americot AMX-3-7040X	2	gh	resistant
Bayer CropScience BX 1737GLT	2	gh	resistant
NexGen NG4545B2XF	2	gh	resistant
PhytoGen PHY 339 WRF	2	gh	resistant
FiberMax FM 1953GLTP	3	gh	resistant
Bayer CropScience BX 1776GLTP	3	gh	resistant
Bayer CropScience BX 1774GLTP	4	gh	resistant
FiberMax FM 1911GLT	4	gh	resistant
PhytoGen PHY 223 WRF	7	g	resistant
PhytoGen PHY 243 WRF	27	f	partially resistant
Deltapine DP 1646 B2XF	28	f	partially resistant
FiberMax FM 1320GL [p]	64	e	partially susceptible
PhytoGen PX AST 34	81	d	mostly susceptible
PhytoGen PHY 312 WRF	86	cd	mostly susceptible
PhytoGen PHY 444 WRF	91	bc	mostly susceptible
Deltapine DP 1044 B2RF	91	bc	mostly susceptible
NexGen NG3517B2XF	96	ab	susceptible
Bayer CropScience BX 1733GLT	100	a	susceptible
Bayer CropScience BX 1736GLT	100	a	susceptible
PhytoGen PHY 499 WRF [s]	100	a	susceptible
MSD(0.05)	3		

Notes

Table 15. Variety index for the cotton performance tests conducted by Texas A&M AgriLife Research Lubbock, 2016.

Designation	Pages:	Uniform OVT 7-24	Location Summary 28	5 yr Summary 29	Late Planted 32-33	New Varieties 34-35	High Quality 36-37	Root-knot Nematode 38-39	Verticillium Wilt 40-41	Bacterial Blight 42
All-Tex CPS 12WSTR-307-2 B2RF						*				
All-Tex CPS 13014-3V RF									*	
All-Tex CPS 14944-7 RF									*	
All-Tex CPS 14WSTR-226 B2RF						*				
All-Tex CPS 14WSTR-747 B3RF						*				
All-Tex Nitro 44B2RF		*	*	*						
Americot AMX-1-59999B2XF										*
Americot AMX-3x2XF					*	*				
Americot AMX-3-7040XF					*	*			*	*
Americot AMX-2-6489B2XF						*			*	*
Bayer CropScience BX 1733GLT						*		*	*	*
Bayer CropScience BX 1736GLT						*		*	*	*
Bayer CropScience BX 1737GLT						*		*	*	*
Bayer CropScience BX 1739GLT						*		*	*	*
Bayer CropScience BX 1774GLTP						*		*	*	*
Bayer CropScience BX 1775GLTP						*		*	*	*
Bayer CropScience BX 1776GLTP						*		*	*	*
Deltapine DP 0912 B2RF		*	*	*	*					
Deltapine DP 1044 B2RF		*	*	*						*
Deltapine DP 1555 B2RF							*			
Deltapine DP 1518 B2XF		*	*							*
Deltapine DP 1522 B2XF		*	*							
Deltapine DP 1549 B2XF		*	*							
Deltapine DP 1558NR B2RF								*		
Deltapine DP 1612 B2XF		*	*		*				*	
Deltapine DP 1614 B2XF		*	*				*			
Deltapine DP 1639 B2XF										*
Deltapine DP 1646 B2XF		*	*				*			*
Deltapine DP 1725 B2XF						*			*	
Deltapine DP 1747NR B2XF								*		
FiberMax FM 1320GL					*					*
FiberMax FM 1830GLT		*	*	*			*			
FiberMax FM 1888GL						*		*	*	*
FiberMax FM 1900GLT		*	*							
FiberMax FM 1911GLT		*	*		*		*	*	*	*
FiberMax FM 1953GLTP						*		*	*	*
FiberMax FM 2011GT		*	*	*	*			*		
FiberMax FM 2322GL		*	*	*			*		*	
FiberMax FM 2334GLT		*	*	*						
FiberMax FM 2484B2F		*	*	*			*		*	*
IST BRS 269		*	*							
IST BRS 286		*	*							
IST BRS 293		*	*							
IST BRS 335		*	*							
Monsanto 15R513B2XF						*			*	
Monsanto 15R556B2XF						*			*	
Monsanto 16R229B2XF						*			*	
Monsanto 16R251NR B2XF								*		
Monsanto 16R252NR B2XF								*		

Table 15. Variety index for the cotton performance tests conducted by Texas A&M AgriLife Research Lubbock, 2016.

Designation	Pages:	Uniform OVT 7-24	Location 5 Summary 28	yr Summary 29	Late Planted 32-33	New Varieties 34-35	High Quality 36-37	Root-knot Nematode 38-39	Verticillium Wilt 40-41	Bacterial Blight 42
NexGen NG 1511B2RF		*	*	*						
NexGen NG 3406B2XF		*	*		*				*	
NexGen NG 3500XF		*	*		*			*	*	*
NexGen NG 3517B2XF		*	*						*	*
NexGen NG 4545B2XF		*	*						*	*
NexGen NG 5007B2XF		*	*							
PhytoGen PHY 222 WRF		*	*	*	*					
PhytoGen PHY 223 WRF		*	*		*				*	*
PhytoGen PHY 243 WRF		*	*		*				*	*
PhytoGen PHY 308 WRF		*	*		*			*	*	
PhytoGen PHY 312 WRF		*	*		*					*
PhytoGen PHY 333 WRF		*	*	*	*		*	*	*	
PhytoGen PHY 339 WRF										*
PhytoGen PHY 417 WRF		*	*					*		
PhytoGen PHY 444 WRF		*	*				*			*
PhytoGen PHY 499 WRF		*	*	*				*		*
PhytoGen PHY 552WRF							*			
PhytoGen PHY 725 RF		*	*	*			*			
PhytoGen PX AST 18						*				*
PhytoGen PX AST 32						*				*
PhytoGen PX AST 34						*				*
Seed Source Genetics SSG HQ 210CT		*	*	*						
Seed Source Genetics SSG UA 103		*	*							
Seed Source Genetics SSG UA 222		*	*						*	
Stoneville ST 4747GLB2		*	*							
Stoneville ST 4946GLB2		*	*	*				*		
Stoneville ST 5020GLT						*		*	*	*
UA 48		*	*							
13-9-218S		*	*							