

# COTTON PERFORMANCE TESTS

*in the Texas High Plains  
and Trans Pecos Areas  
of Texas  
201 &*



Technical  
Report  
13-2

# **Cotton Performance Tests in the Texas High Plains and Trans-Pecos Areas of Texas 2012<sup>1/</sup>**

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## INTRODUCTION

Cotton performance trials were conducted during 2012 at Lubbock, Halfway, and Pecos, Texas A&M AgriLife Research Stations. The Tulia variety test was planted on the Dale Swinburn farm, and the Lamesa variety tests were planted on the AG-CARES research farm.

The Lubbock tests were planted in either Amarillo or Olton soils, the Halfway test in Pullman clay loam soils, AG-CARES in Amarillo fine sandy loam, and Pecos tests in Hoban silty clay loam soils.

The 2012 cotton growing season started off on a promising note with decent planting moisture and warm temperatures. This allowed producers to get most of the 4.2 million acres planted up to a decent stand even under dryland production systems. However, the promising note soon turned sour with well below normal rainfall amounts across most of the region. Although the drought was lessened somewhat from 2011, it still attributed significantly to the 45% abandonment of cotton acres in the Texas High Plains and Panhandle regions. There were however, some “bright” spots where significant rainfall was received and producers were fortunate and harvested some dryland production fields. As the season progressed, some beneficial rains assisted irrigation but more was needed to optimize yields in most locations. In terms of heat unit accumulations, the area was approximately 20% above normal for the first half of the season and the trend continued into the second half until an early freeze event on 8-October abruptly halted further accumulations. However, even with the early freeze, most producers were able to harvest cotton that resulted in better than expected fiber quality. Micronaire averaged 3.89 and 4.08 from the Lubbock and Lamesa classing offices, respectively. Also, from the Lubbock classing office, length averaged 35.2, strength averaged 30.1 g/tex, and an average uniformity of 79.9% was observed. Averages for length, strength, and uniformity from Lamesa were 35.2, 30.1 g/tex, and 79.9%, respectively. Color grades were mostly 21 and leaf grades were mostly 2 and 3 from both locations. In all, a total of 2.89 million bales were classed from districts 1N and 1S.

Disease and insect pressures were mixed across the region. Early on, average to above average seedling disease moderate thrips pressure, depending on location, were observed in the High Plains. Incidence of *Verticillium wilt* and *Fusarium wilt* approached near normal levels in 2012, and some *Alternaria blight* was observed in fields where soil salinity levels were elevated due to continued drought conditions. Plant bugs and bollworm pressures were practically non-existent and other cotton insect pest numbers were considered light (cotton aphid) to very light (spider mites). Finally, rootknot nematode levels were slightly higher than was observed in 2011, but still below normal levels for the area. Variety selections for resistance to specific disease pathogens and root-knot nematodes, as well as Bollgard II and Widestrike technologies, help keep yield losses in check for these pests.

## ACKNOWLEDGMENTS

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## 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 openness 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, of a given variety.

### 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.

### 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 measure of fiber length, expressed in hundredths of a inch, which 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- The visual estimate of the amount of cotton plant leaf material that remains in the lint after the ginning process, ranging from 1 to 7.

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.

*<sup>1/</sup>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. Color was not reported for all tests in 2011.*

Caparol and Dual-registered trademark of Syngenta

Gramoxone Inteon-trademark of Syngenta

Treflan-trademark of Dow AgriScience

Prowl-trademark of BASF

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Def-trademark of Bayer CropScience

ET-registered trademark of Nichino America Inc.

Firestorm-registered trademark of Chemtura Corp.



Table 1. Production information for the irrigated performance test at Texas A&M AgriLife Research, Lubbock, TX 2012

Test:	Uniform Variety
Planting Date:	May 7
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5pt/A applied pre-plant Caparol @ 1.2qt/A applied May 8 Medal @ 1pt/A applied July 13
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	4.5 acre inches pre-plant 2.3 acre inches June 3 2.7 acre inches July 1 2.9 acre inches July 19 2.4 acre inches July 31 <u>1.5 acre inches August 15</u> 16.3 acre inches total
Harvest Aids:	Boll'd @ 32oz/A and Def 6 @ 12oz/A applied October 10
Freeze Date:	October 8
Harvest Date:	November 27

Table 2. Results of the irrigated uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties					% Open		Storm Resistance	Height
		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll	Bolls 10/26/2012		
		Picked	Pulled							
PhytoGen PHY 367 WRF	1019	36.5	29.5	4.7	9.9	5.8	21.0	81	3	22
FiberMax FM 2989GLB2	939	40.6	32.8	5.2	10.7	7.0	22.0	84	3	21
FiberMax FM 1944GLB2	925	36.2	29.7	5.3	10.4	6.1	22.7	84	5	23
Stoneville ST 5458B2F	888	36.9	30.6	5.0	10.3	6.2	21.1	79	4	21
All-Tex Nitro 44 B2RF	888	36.0	29.8	5.4	11.1	6.5	22.6	86	5	21
FiberMax FM 2484B2F	875	37.7	31.0	5.0	10.7	6.7	19.6	79	5	20
FiberMax FM 9250GL	830	36.8	30.2	5.9	11.6	6.9	23.0	90	5	22
Americot AM 1511B2RF	821	40.1	32.7	4.9	9.5	6.7	20.7	86	3	22
All-Tex AT Epic RF	810	38.6	31.8	5.0	9.8	6.5	21.6	81	3	23
Stoneville ST 4946GLB2	810	37.7	31.0	5.5	10.7	6.7	23.0	80	4	21
All-Tex ATX 81227 B2RF	796	34.6	27.9	4.8	9.8	5.4	22.0	86	5	22
Seed Source Genetics UA 222	787	37.5	31.3	5.6	10.8	6.7	22.9	85	3	21
Stoneville ST 4145LLB2	782	34.8	28.3	4.6	9.8	5.5	20.9	84	4	22
PhytoGen PHY 725 RF	771	35.0	29.1	5.5	10.9	6.1	22.9	73	3	24
PhytoGen PHY 499 WRF	751	38.1	30.9	5.2	10.0	6.4	22.3	73	4	25
Stoneville ST 5445LLB2	741	36.7	30.2	4.8	10.1	6.1	20.2	80	4	19
FiberMax FM 989	740	34.6	27.6	5.5	11.2	6.1	22.6	83	4	23
Deltapine DP 0912 B2RF	728	37.9	31.0	4.9	10.0	6.3	21.0	88	3	20
Bayer CropScience BX 1347GLB2	727	36.9	29.6	5.2	10.6	6.5	21.3	81	5	20
Deltapine DP 1219 B2RF	725	35.5	29.1	4.8	9.5	5.6	22.1	79	3	26
NexGen NG4111 RF	722	36.1	29.5	5.3	10.7	6.3	21.8	77	4	18
FiberMax FM 2011GT	717	39.0	31.7	6.2	12.3	8.0	21.8	88	6	21
Deltapine DP 1212 B2RF	700	36.4	29.2	5.2	10.3	6.2	22.1	85	3	22
FiberMax FM 9058F	698	35.3	28.8	5.2	10.6	6.1	21.7	93	6	21
NexGen NG4010 B2RF	672	36.2	29.1	5.0	10.3	6.0	21.7	84	5	22
Deltapine DP 174 RF	622	38.5	31.1	5.4	10.3	6.6	23.5	78	4	21
NexGen NG3348 B2F	612	35.7	29.5	5.6	11.1	6.4	22.6	84	5	21
FiberMax FM 9180B2F	608	34.1	27.2	5.3	11.2	6.0	21.6	89	5	21
Stonville ST 6448GLB2	599	33.4	27.5	4.7	10.3	5.5	20.4	73	3	22
FiberMax FM 958	597	34.6	27.9	5.4	11.5	6.4	20.6	89	5	22

Table 2. Results of the irrigated uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties						% Open		Storm Resistance	Height
		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll	Bolls 10/26/2012			
		Picked	Pulled								
Deltapine DP 1044 B2F	596	35.1	35.4	4.3	8.9	5.1	21.1	75	4	21	
Deltapine DP 491	595	36.1	29.3	4.9	10.0	5.9	21.5	84	4	22	
FiberMax FM 1740B2F	594	36.9	29.9	5.1	10.4	6.5	20.5	83	4	19	
All-Tex ATX 9CR253 B2RF	585	40.3	32.4	5.3	9.6	6.7	23.8	78	5	25	
PhytoGen PHY 375 WRF	581	37.8	30.5	4.9	10.0	6.3	20.9	85	3	19	
Paymaster HS26	580	31.3	25.0	5.3	11.7	5.5	21.3	91	6	22	
All-Tex Atlas	569	34.2	27.8	5.0	10.9	5.9	20.5	90	5	22	
Seed Source Genetics SSG HQ 210 CT	535	33.6	28.1	5.0	9.3	5.1	24.9	82	3	21	
Tamcot 73	455	32.9	27.0	5.4	10.5	5.4	24.3	81	5	18	
Deltapine DP 1032 B2RF		35.8	28.4	4.4	8.9	5.4	20.6	0	0	1	
Mean	718	36.3	29.7	5.1	10.4	6.2	21.8	83	4	21	
c.v.%	19.9	3.8	5.6	5.6	3.6	5.5	6.9	6.9	22.8	14.1	
LSD 0.05	200	2.8	3.3	0.6	0.8	0.7	3.0	8	1	4	

DP 1032 B2RF was dropped from yield analysis due to poor stand

Table 2A. Results of the irrigated uniform variety test at Texas A&M AgriLife Research, Lubbock, 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
PhytoGen PHY 367 WRF	3.3	1.07	77.7	28.4	9.6	1	69.6	10.1	33-2,42-2
FiberMax FM 2989GLB2	3.5	1.09	79.7	29.9	8.7	1	73.4	8.3	41-1,41-4
FiberMax FM 1944GLB2	4.0	1.14	79.4	30.0	7.9	1	75.7	6.7	41-2
Stoneville ST 5458B2F	3.1	1.08	77.8	29.2	9.1	2	67.3	11.7	33-4
All-Tex Nitro 44 B2RF	3.6	1.13	79.1	30.7	10.6	1	74.0	8.6	31-1,41-4
FiberMax FM 2484B2F	3.4	1.13	78.8	29.2	8.5	2	75.1	7.8	41-1,41-2
FiberMax FM 9250GL	3.6	1.15	80.2	30.9	7.4	2	76.9	7.2	41-1
Americot AM 1511B2RF	4.3	1.08	79.5	29.1	10.7	2	71.4	8.7	42-1,51-3
All-Tex AT Epic RF	4.0	1.07	78.8	27.9	11.2	1	73.9	7.7	41-1,41-2
Stoneville ST 4946GLB2	4.1	1.09	79.4	29.8	9.3	1	76.7	8.6	31-1,31-3
All-Tex ATX 81227 B2RF	3.7	1.04	77.4	28.2	9.5	2	71.5	8.9	41-2,42-1
Seed Source Genetics UA 222	3.4	1.13	77.3	29.9	10.2	2	74.8	8.4	31-2,41-3
Stoneville ST 4145LLB2	3.8	1.08	77.7	27.0	8.1	2	73.6	8.0	31-1,51-3
PhytoGen PHY 725 RF	3.5	1.11	79.6	31.9	9.5	1	69.7	10.5	31-4,43-3
PhytoGen PHY 499 WRF	3.6	1.08	79.7	29.9	10.0	2	69.1	9.5	42-1,52-1
Stoneville ST 5445LLB2	3.4	1.08	76.6	29.9	8.3	1	68.6	10.5	41-2,34-2
FiberMax FM 989	3.6	1.12	79.8	31.5	7.8	1	77.2	8.2	31-1,31-2
Deltapine DP 0912 B2RF	3.6	1.06	78.7	29.1	9.7	1	71.1	9.2	42-1,42-2
Bayer CropScience BX 1347GLB2	3.7	1.12	78.1	27.0	8.1	1	75.5	8.5	31-3,41-1
Deltapine DP 1219 B2RF	3.2	1.12	77.8	31.2	8.5	1	72.8	9.9	31-3,43-1
NexGen NG4111 RF	4.2	1.06	80.4	31.4	9.9	2	74.4	7.8	41-1,41-2
FiberMax FM 2011GT	3.8	1.11	79.5	29.6	8.4	1	74.2	8.6	32-2,41-1
Deltapine DP 1212 B2RF	4.0	1.16	79.8	30.7	9.7	1	75.7	8.4	31-1,41-1
FiberMax FM 9058F	3.6	1.13	78.6	29.8	8.4	2	76.1	8.4	31-3,41-1
NexGen NG4010 B2RF	3.6	1.08	79.1	30.6	9.9	1	69.0	10.1	42-1,43-1
Deltapine DP 174 RF	3.2	1.12	78.8	28.9	8.7	1	74.4	8.1	41-1,41-3
NexGen NG3348 B2F	2.9	1.08	79.5	32.0	9.0	1	73.7	8.9	31-4
FiberMax FM 9180B2F	4.0	1.07	79.8	29.8	9.4	1	70.2	9.2	52-1,42-1
Stoneville ST 6448GLB2	3.3	1.10	77.3	27.5	8.0	1	71.0	10.7	34-1,41-1
FiberMax FM 958	3.9	1.11	80.3	31.6	8.0	1	77.6	7.6	31-2

Table 2A. Results of the irrigated uniform variety test at Texas A&M AgriLife Research, Lubbock, 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 1044 B2F	3.0	1.09	78.7	28.4	10.2	1	75.1	9.3	31-2,32-1
Deltapine DP 491	3.6	1.10	78.2	29.1	8.3	1	75.0	7.8	41-1
FiberMax FM 1740B2F	2.8	1.03	78.5	28.0	8.7	1	70.9	10.0	33-4,41-4
All-Tex ATX 9CR253 B2RF	4.4	1.08	80.4	30.2	8.8	1	72.9	8.8	41-1,42-1
PhytoGen PHY 375 WRF	3.5	1.04	76.5	26.7	8.6	3	71.6	9.0	42-1
Paymaster HS26	3.7	1.07	79.1	31.3	9.5	1	72.8	8.9	31-4,42-1
All-Tex Atlas	4.3	1.08	79.6	29.1	9.8	3	71.5	7.7	42-1,51-1
Seed Source Genetics SSG HQ 210 CT	3.9	1.07	79.5	30.6	9.8	1	73.9	11.2	13-4,22-2
Tamcot 73	3.3	1.13	79.7	32.0	9.1	2	71.4	9.7	33-4,41-1
Deltapine DP 1032 B2RF	3.0	1.03	74.5	27.6	8.9	1	66.3	10.6	43-2
Mean	3.9	1.09	78.7	29.6	9.1	1	72.9	8.9	
c.v.%	0.7	2.2	1.2	3.1	5.7	49.6	4.2	15.2	
LSD 0.05	10.3	0.05	1.9	1.8	1.1	1	6.2	2.8	

Table 3. Yield summary of the furrow irrigated uniform variety test at Texas A&M AgriLife Research, Lubbock

	2008	2009	2010	2011	2012	Average	Comp. Average*	
Designation	<u>Five Year Average</u>							
FiberMax FM 9058F	1937	1421	1615	711	698	1277		
FiberMax FM 9180B2F	1964	1172	1601	804	608	1230		
FiberMax FM 1740B2F	2197	1871	1733	752	594	1429		
NexGen NG3348 B2RF	1663	1364	1575	722	612	1187		
PhytoGen PHY 375 WRF	1948	1821	1783	762	581	1379		
Seed Source Genetics SSG HQ 210 CT	1764	1789	1826	823	535	1347		
Stoneville ST 5458 B2RF	2104	1964	2014	995	888	1593		
	<u>Four Year Average</u>							
All-Tex Epic RF		1347	1854	930	810	1235	1383	
Deltapine DP 0912 B2RF		2029	1820	821	728	1350	1498	
PhytoGen PHY 367 WRF		1682	1789	873	1019	1341	1489	
	<u>Three Year Average</u>							
Deltapine DP 1044 B2F			1815	917	596	1109	1399	
PhytoGen PHY 499 WRF			1720	860	757	1112	1402	

\* Patterson, R.E. 1950. A methods of adjustment for calculating comparable yields in variety tests.

Table 4. Production information for pivot irrigated performance test at Texas A&M AgriLife Research, Halfway, TX 2012

Test:	Uniform Variety
Planting Date:	May 17
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1 qt/A applied pre-plant Caparol @ 3pt/A applied May 17 Medal @ 1.25oz /A applied July 20
Fertilizer:	100-20-0 applied June 26
Irrigations:	14.04 acre inches during season
Insecticide:	Acephate @ 4oz/A applied June 4
Growth Regulator:	Mepiquat @ 8oz/A applied August 2 Mepiquat @ 8oz/A applied August 10
Harvest Aids:	Firestorm @24oz/A + LI 700 @ 1oz/A applied October 17
Harvest Date:	October 8
Freeze Date:	November 7

Table 5. Results of the pivot irrigated uniform variety test at Texas A&M AgriLife Research, Halfway 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/8/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
Stoneville ST 4946GLB2	1367	28.4	41.1	42.1	34.5	5.6	9.9	7.5	31.6	36	5	31
FiberMax FM 2484B2F	1363	30.5	42.5	41.5	34.0	4.8	9.5	7.1	28.1	43	5	28
Stoneville ST 5458B2F	1332	29.1	43.1	39.4	31.1	5.0	9.4	6.5	30.3	34	5	32
All-Tex Nitro 44 B2RF	1297	28.6	43.9	40.1	32.1	5.1	10.0	7.1	28.8	44	5	29
FiberMax FM 2011GT	1268	31.8	42.1	44.2	35.7	6.2	10.4	8.6	32.0	39	6	27
Bayer CropScience BX 1347GLB2	1249	28.6	41.9	39.8	31.3	4.8	9.2	6.4	30.2	39	5	30
PhytoGen PHY 375 WRF	1243	29.7	41.4	41.0	32.5	4.6	8.6	6.3	29.8	37	4	31
FiberMax FM 1944GLB2	1238	27.0	42.2	39.6	31.6	5.5	9.8	6.8	32.3	39	4	28
All-Tex ATX 9CR253 B2RF	1236	29.4	42.1	40.2	31.3	5.0	9.2	6.6	31.0	33	6	30
PhytoGen PHY 499 WRF	1233	29.2	41.7	41.1	33.2	4.9	8.9	6.5	30.7	43	4	32
Stonville ST 6448GLB2	1232	26.2	41.8	38.1	30.0	4.7	8.9	5.8	30.8	30	4	31
FiberMax FM 9250GL	1227	29.1	43.9	42.0	33.4	6.1	10.7	8.0	32.1	43	6	30
FiberMax FM 2989GLB2	1221	27.8	42.5	40.9	32.7	5.4	9.7	6.9	31.5	46	4	32
All-Tex ATX 81227 B2RF	1218	28.4	44.3	40.0	31.8	4.8	8.9	6.3	30.5	43	5	28
FiberMax FM 9058F	1210	28.1	43.5	39.7	31.6	5.4	10.1	7.0	30.3	44	6	28
FiberMax FM 9180B2F	1209	28.1	44.3	39.6	31.5	5.6	10.1	6.9	32.5	50	5	29
FiberMax FM 1740B2F	1200	29.5	41.6	42.2	34.9	5.1	10.0	7.4	29.3	41	5	27
NexGen NG4010 B2RF	1189	27.3	43.0	38.9	31.0	5.0	9.5	6.4	30.2	36	5	29
PhytoGen PHY 367 WRF	1183	28.2	43.1	40.0	31.7	4.5	8.7	6.2	28.7	41	3	30
Deltapine DP 1219 B2RF	1167	27.7	41.7	42.7	33.7	4.3	8.4	6.4	29.0	28	4	31
Deltapine DP 1032 B2RF	1166	29.0	41.0	41.7	32.6	4.4	7.9	5.9	30.8	33	4	30
Deltapine DP 1212 B2RF	1123	28.6	42.4	42.8	34.1	5.0	9.4	7.4	28.9	39	4	29
NexGen NG3348 B2F	1114	28.5	44.3	40.1	32.4	4.7	9.6	6.7	28.3	43	5	27
All-Tex AT Epic RF	1111	29.9	42.7	42.0	34.0	5.1	9.1	6.9	30.8	38	5	31
Deltapine DP 0912 B2RF	1103	29.2	42.0	40.1	31.4	4.4	8.5	6.0	29.6	40	4	28
Deltapine DP 1044 B2F	1100	26.6	43.0	39.2	31.1	4.5	8.5	5.8	30.7	34	4	29
PhytoGen PHY 725 RF	1084	27.9	45.1	38.3	30.4	4.9	10.0	6.5	29.0	39	4	30
Americot AM 1511B2RF	1079	30.3	41.0	42.7	34.0	5.0	9.4	7.4	28.9	39	4	30
NexGen NG4111 RF	1048	28.7	43.1	41.6	32.9	5.0	9.2	6.8	30.5	39	5	29
Deltapine DP 174 RF	1043	27.1	41.6	38.9	30.7	5.3	9.4	6.4	32.5	35	5	28



Table 5. Results of the pivot irrigated uniform variety test at Texas A&M AgriLife Research, Halfway 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/8/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
Deltapine DP 491	810	27.1	41.7	40.3	30.4	4.4	8.7	6.1	29.3	33	5	25
Paymaster HS26	788	24.7	44.4	34.1	26.1	5.0	10.4	5.9	29.3	29	6	24
Seed Source Genetics UA 222	776	25.1	41.0	37.1	29.1	5.0	10.0	6.1	30.1	25	5	27
Seed Source Genetics SSG HQ 210 CT	752	26.0	44.1	35.5	27.0	4.4	8.1	4.7	32.9	28	5	23
Stoneville ST 5445LLB2	709	26.7	41.2	36.4	26.6	4.5	8.3	5.2	31.3	33	5	24
FiberMax FM 989	704	25.1	42.5	36.7	28.6	4.7	9.9	6.2	27.8	30	6	22
All-Tex Atlas	697	25.0	45.6	37.9	29.2	5.1	10.3	6.5	29.5	31	6	24
FiberMax FM 958	668	25.1	43.4	35.6	25.9	5.5	11.6	6.7	29.0	28	5	22
Stoneville ST 4145LLB2	618	24.5	42.0	37.3	28.8	4.4	9.0	5.6	29.6	33	5	22
Tamcot 73	580	25.6	42.9	38.5	28.5	4.6	9.2	6.0	29.7	36	5	19
Mean	1074	27.8	42.7	39.7	31.3	4.9	9.4	6.5	30.2	37	5	28
c.v.%	14.7	4.9	2.8	3.3	4.6	5.0	4.3	6.7	4.1	16.1	14.5	9.2
LSD 0.05	220	1.9	1.7	2.7	2.9	0.5	0.8	0.9	2.5	8	1	4

Table 5A. Results of the pivot irrigated uniform variety test at Texas A&M AgriLife Reserach, Halfway 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Stoneville ST 4946GLB2	3.2	1.07	79	31.3	10.4	1	77.2	8.5	31-1,31-4
FiberMax FM 2484B2F	3.8	1.12	79.6	29.6	8.2	1	76.2	6.3	41-1,41-2
Stoneville ST 5458B2F	4.2	1.06	79.1	29.1	9.1	1	75.2	8.2	31-2,41-1
All-Tex Nitro 44 B2RF	3.7	1.14	82.2	32	10.1	2	77.1	7.1	41-1
FiberMax FM 2011GT	4.2	1.07	79.3	29.3	8.8	1	75	8	41-1
Bayer CropScience BX 1347GLB2	3.9	1.09	78.7	26.9	7.8	3	77.8	6.9	31-2,41-1
PhytoGen PHY 375 WRF	4	1.05	79.1	27.8	9.6	1	76.7	7.6	41-1
FiberMax FM 1944GLB2	3.9	1.1	80.2	29.3	7.9	1	80.2	7	21-2,41-1
All-Tex ATX 9CR253 B2RF	3.9	1.08	80.5	30.1	9.6	1	78.9	7.7	31-1,31-2
PhytoGen PHY 499 WRF	3.8	1.06	78.7	29.8	10.4	2	75.7	8.4	31-2,41-1
Stonville ST 6448GLB2	3.7	1.11	80.3	29.3	8	1	75.9	7.6	41-1
FiberMax FM 9250GL	3.9	1.07	78.1	29.5	7.7	2	76.6	7.3	41-1
FiberMax FM 2989GLB2	4	1.07	78.2	27.9	8.3	1	75.4	7.9	41-1
All-Tex ATX 81227 B2RF	4.3	1.07	79.8	29	8.7	1	77.9	7.6	31-2
FiberMax FM 9058F	3.7	1.09	78	28.1	8	1	75.5	6.9	41-1,51-1
FiberMax FM 9180B2F	3.9	1.11	81.9	32.3	8.7	1	79	7	21-2,41-2
FiberMax FM 1740B2F	3.7	1.08	79.3	29.7	9	1	76.9	7.3	31-1,41-2
NexGen NG4010 B2RF	4.2	1.09	81.3	30.6	10	1	74.4	8.2	31-3,41-2
PhytoGen PHY 367 WRF	3.9	1.09	79.6	28.7	9.7	1	76.6	8.3	31-2
Deltapine DP 1219 B2RF	3.5	1.12	79.9	30.8	9	1	78.1	7.4	31-1,41-1
Deltapine DP 1032 B2RF	3.6	1.09	80.6	30.5	9.3	1	78.4	8	31-1
Deltapine DP 1212 B2RF	4.1	1.08	80.9	30.4	10.8	2	75	8	31-2,41-2
NexGen NG3348 B2F	3.9	1.07	79.9	29.4	9.5	1	73.4	8.1	41-1,41-2
All-Tex AT Epic RF	3.8	1.06	80.4	29.2	10.5	1	78	8.8	21-2,31-1
Deltapine DP 0912 B2RF	4.4	1.04	80.5	28.1	10.1	1	74.9	8.1	41-1
Deltapine DP 1044 B2F	3.3	1.08	79.3	29.9	10.8	1	77.7	7.5	31-2
PhytoGen PHY 725 RF	4.3	1.11	80.9	32.8	10	1	75.6	8.2	31-2,41-1
Americot AM 1511B2RF	3.9	1.08	81.2	31.4	10.4	2	78.1	7.9	31-1,41-1
NexGen NG4111 RF	3.9	1.07	80.3	32.1	9.9	2	74.6	8	31-2,41-2
Deltapine DP 174 RF	3.1	1.11	79	29.6	9.2	2	76.9	8.1	31-2

Table 5A. Results of the pivot irrigated uniform variety test at Texas A&M AgriLife Reserach, Halfway 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 491	3.3	1.1	79.1	30.7	8.6	2	76.7	7.8	31-2,41-1
Paymaster HS26	3.8	1.02	78.9	31.1	10.2	1	76.1	7.7	31-1,41-2
Seed Source Genetics UA 222	2.9	1.16	80.6	31.9	10	2	78.5	8.4	21-2,31-1
Seed Source Genetics SSG HQ 210 CT	2.9	1.09	78.7	30.3	9.7	1	79	7.4	31-1,41-1
Stoneville ST 5445LLB2	3.5	1.09	77.8	29.9	9.1	2	75.2	8.5	31-2,41-3
FiberMax FM 989	3	1.11	79.5	31.7	8	1	77.1	8.2	31-2
All-Tex Atlas	4.3	1.08	79.8	31.6	9.9	1	77.1	8.1	31-2
FiberMax FM 958	3.3	1.11	80.4	31.7	7.6	2	78.1	7.8	31-1,41-1
Stoneville ST 4145LLB2	3.5	1.06	79.7	29.4	8.2	2	73.7	7.6	41-1,51-1
Tamcot 73	3.5	1.14	80.5	33.4	8.9	3	75.2	7.9	41-1
Mean	3.7	1.09	79.7	30.1	9.2	1	76.6	7.8	
c.v.%	8.1	2.2	1.3	3.1	3.3	38.9	2.5	5.1	
LSD 0.05	0.6	0.05	2.2	1.9	0.6	1	3.8	0.8	

Table 6. Yield summary for the pivot irrigated uniform variety test at Texas A&M AgriLife Research, Halfway

	2008	2009	2010	2011	2012	Average	Comp. Average*
Designation	Five Year Average						
FiberMax FM 1740B2F	1003	1610	1775	1071	1200	1332	
FiberMax FM 9058F	1065	1538	2011	1249	1210	1415	
FiberMax FM 9180B2F	1100	1357	1670	1147	1209	1297	
NexGen NG3348 B2RF	927	1693	1483	1131	1114	1270	
PhytoGen PHY 375 WRF	1009	1346	1836	1218	1243	1330	
Seed Source Genetics SSG HQ 210 CT	946	1127	1791	1086	752	1140	
Stoneville ST 5458 B2RF	893	1513	1720	1075	1332	1307	
	Four Year Average						
All-Tex Epic RF		1420	1700	1327	1111	1390	1313
Deltapine DP 0912 B2RF		1708	1881	1226	1103	1480	1403
PhytoGen 367 WRF		1521	1850	1035	1183	1397	1320
	Three Year Average						
Deltapine DP 1044 B2RF			1814	1258	1100	1391	1340
PhytoGen PHY 499 WRF			1945	978	1233	1385	1334

\* Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 7. Production information for pivot irrigated performance test at the AG-CARES farm, Lamesa, TX 2012

Test:	Uniform Variety
Planting Date:	May 24
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5 pt/A applied pre-plant
Fertilizer:	10-34-0 116bs/A applied pre-plant 32-0-0 30 lbs/A applied June 27 (fertigation) 32-0-0 30 lbs/A applied July 14 (fertigation) 32-0-0 30 lbs/A applied July 24 (fertigation)
Irrigations:	3.7 acre-in applied pre-plant 7.25 acre-in applied May-September
Harvest Aids:	Prep @ 3pt/A + 2oz e.t. October 3 Gramoxone Inteon 1qt/A October 17
Harvest Date:	November 1

Table 8. Results of the pivot irrigated uniform variety test at the AG-CARES farm, Lamesa 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/3/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
Stoneville ST 4946GLB2	1115	28.6	41.9	42.0	34.6	5.7	9.7	7.3	32.6	58	5	18
PhytoGen PHY 499 WRF	1071	27.9	41.3	43.6	35.2	4.5	8.5	6.7	29.4	56	5	20
Deltapine DP 1044 B2F	1036	27.3	43.5	39.9	32.9	4.5	8.3	5.9	30.8	53	5	17
Stoneville ST 5458B2F	1028	29.1	43.0	41.5	33.8	5.0	9.1	6.7	30.9	38	6	18
Americot AM 1511B2RF	1027	30.1	39.6	43.5	35.9	5.1	8.8	7.2	30.9	49	5	19
FiberMax FM 9250GL	1012	27.3	43.5	40.7	33.1	6.1	11.0	7.9	31.7	56	6	19
NexGen NG4111 RF	993	28.4	43.1	42.5	34.2	5.0	9.6	7.2	29.5	38	6	19
FiberMax FM 989	989	26.3	42.7	39.9	32.0	5.4	9.7	6.8	31.9	41	5	19
PhytoGen PHY 367 WRF	987	25.0	39.7	40.6	32.5	4.6	8.7	6.2	29.7	54	5	19
All-Tex AT Epic RF	975	28.8	41.2	42.3	34.0	4.9	8.7	6.6	31.5	64	5	18
FiberMax FM 2484B2F	955	27.4	42.7	41.6	33.7	4.2	9.9	7.3	23.7	40	6	18
Bayer CropScience BX 1347GLB2	953	25.7	41.1	40.9	32.7	5.3	9.5	7.0	31.4	43	5	18
Deltapine DP 0912 B2RF	948	27.9	41.9	42.5	34.6	5.1	8.8	6.9	31.2	42	5	18
FiberMax FM 1944GLB2	937	27.4	44.6	40.4	32.1	4.9	9.8	6.9	28.4	55	6	19
Stoneville ST 6448GLB2	934	26.8	40.7	41.2	33.3	4.7	9.1	6.5	30.0	54	4	18
Deltapine DP 1219 B2RF	931	27.4	40.0	43.2	35.6	4.7	7.8	6.4	31.7	39	5	20
All-Tex ATX 81227 B2RF	910	24.6	43.6	40.6	32.4	4.7	9.1	6.4	29.7	49	6	19
FiberMax FM 2011GT	910	28.7	39.8	44.0	35.1	5.9	10.8	9.0	28.9	40	6	18
Deltapine DP 491	894	27.0	40.6	42.0	34.4	5.2	8.9	6.6	32.8	63	5	17
Deltapine DP 1212 B2RF	889	26.3	40.2	42.2	34.4	5.0	9.3	7.1	29.7	58	5	18
Tamcot 73	889	26.5	42.2	38.6	31.5	5.2	9.6	6.4	31.5	66	6	16
FiberMax FM 958	873	26.5	42.5	39.8	31.8	5.6	11.6	8.0	27.8	40	6	18
FiberMax FM 2989GLB2	872	26.5	44.1	40.4	32.2	5.3	10.1	7.1	30.0	48	5	18
Deltapine DP 174 RF	870	27.7	41.9	43.2	35.0	5.5	8.8	7.1	33.3	54	5	18
All-Tex Nitro 44 B2RF	866	25.9	43.5	40.5	32.8	5.0	10.5	7.5	27.0	43	6	17
All-Tex ATX 9CR253 B2RF	854	28.9	40.1	44.4	35.6	5.1	8.4	6.9	33.0	56	5	20
NexGen NG4010 B2RF	840	27.2	43.9	40.9	32.9	4.8	9.3	6.7	29.8	38	6	19
FiberMax FM 1740B2F	832	27.0	40.9	42.7	34.9	5.0	9.7	7.7	27.4	48	6	17
Seed Source Genetics UA 222	813	26.0	40.1	40.9	33.2	4.9	9.6	6.9	28.9	51	5	17
FiberMax FM 9058F	811	27.5	42.4	41.6	33.1	4.9	9.9	7.2	28.5	48	7	17

Table 8. Results of the pivot irrigated uniform variety test at the AG-CARES farm, Lamesa 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/3/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll	Seed	Lint	Seed per			
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll			
FiberMax FM 9180B2F	801	25.0	43.7	39.8	31.8	5.3	10.5	7.2	29.0	44	6	18
PhytoGen PHY 375 WRF	780	27.4	41.8	41.9	34.2	4.6	8.5	6.5	29.7	56	5	17
NexGen NG3348 B2F	770	28.1	43.6	40.3	33.0	5.4	10.2	7.2	30.6	45	5	18
Deltapine DP 1032 B2RF	740	27.5	40.2	44.2	35.9	4.6	8.0	6.5	31.4	54	5	18
Stoneville ST 5445LLB2	740	25.1	39.8	41.9	33.5	5.1	8.8	6.6	32.5	48	6	17
Stoneville ST 4145LLB2	706	26.0	41.5	40.2	32.3	4.5	8.6	5.9	30.1	66	5	17
All-Tex Atlas	699	23.1	41.2	38.1	29.8	5.4	10.6	7.0	29.3	45	5	17
Seed Source Genetics SSG HQ 210 CT	692	25.1	43.0	40.4	33.2	4.8	7.9	5.5	35.2	64	5	16
Paymaster HS26	658	23.1	42.3	38.9	30.8	5.2	10.1	6.9	29.8	43	6	17
PhytoGen PHY 725 RF	458	21.0	37.6	38.8	31.3	4.9	10.0	6.7	28.6	45	5	19
Mean	876	26.7	41.8	41.3	33.4	5.0	9.4	6.9	30.2	50	5	18
c.v.%	14.1	5.3	3.8	2.5	3.0	4.2	3.8	4.1	4.8	19.2	13.3	7.0
LSD 0.05	173	2.0	2.2	2.1	2.0	0.4	0.7	0.6	2.9	13	1	2

Table 8A. Results of the pivot irrigated uniform variety test at the AG-CARES farm, Lamesa 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Stoneville ST 4946GLB2	4.6	1.11	81.4	33.1	10.4	1	75.5	8.9	31-3,41-3
PhytoGen PHY 499 WRF	4.4	1.11	80.9	30.0	9.6	3	75.3	8.2	31-2,41-1
Deltapine DP 1044 B2F	4.3	1.12	80.7	31.3	10.8	2	77.0	8.4	31-1,31-2
Stoneville ST 5458B2F	4.9	1.10	79.7	30.7	9.6	3	73.6	8.8	31-4,41-3
Americot AM 1511B2RF	4.7	1.09	80.7	32.4	11.1	2	75.6	8.6	31-2,31-4
FiberMax FM 9250GL	4.3	1.12	80.1	30.3	8.2	2	76.7	7.8	31-2,41-1
NexGen NG4111 RF	4.8	1.11	82.1	33.7	9.8	2	75.4	8.8	31-3,41-3
FiberMax FM 989	4.3	1.12	81.9	32.9	9.7	3	74.1	8.2	41-1,41-3
PhytoGen PHY 367 WRF	4.3	1.09	80.3	30.4	10.0	2	72.7	8.6	32-2,42-2
All-Tex AT Epic RF	4.6	1.07	80.4	29.8	10.6	2	75.3	9.1	31-3
FiberMax FM 2484B2F	4.2	1.16	80.2	32.2	9.0	2	78.2	8.0	31-1,31-2
Bayer CropScience BX 1347GLB2	4.2	1.14	80.0	31.2	8.6	3	74.8	8.0	41-1
Deltapine DP 0912 B2RF	4.8	1.05	79.1	29.9	10.3	2	74.7	8.8	31-4,41-3
FiberMax FM 1944GLB2	4.2	1.16	81.4	32.2	8.1	1	77.4	7.7	31-2
Stoneville ST 6448GLB2	4.3	1.15	80.0	28.4	8.1	1	74.3	8.5	41-3
Monsanto 10R011B2R2	4.2	1.15	80.9	31.7	9.5	2	76.4	8.2	31-1,41-1
All-Tex ATX 81227 B2RF	4.3	1.07	78.6	29.4	8.8	3	74.6	7.9	31-2,41-2
FiberMax FM 2011GT	4.4	1.09	79.9	31.1	8.8	3	74.8	8.1	41-1
Deltapine DP 491	4.1	1.12	79.9	31.2	9.1	3	74.8	8.4	31-1,41-4
Monsanto 10R013B2R2	4.4	1.10	79.6	31.6	10.9	3	73.2	9.0	31-4,42-1
Tamcot 73	3.8	1.14	82.1	34.3	9.2	5	69.1	7.5	41-3,51-2
FiberMax FM 958	4.3	1.12	80.8	33.3	9.6	2	74.5	8.6	31-3,51-1
FiberMax FM 2989GLB2	4.1	1.11	80.0	32.0	8.7	2	77.3	8.4	31-1
Deltapine DP 174 RF	4.1	1.15	81.6	32.2	8.6	2	76.2	8.9	31-1,31-4
All-Tex Nitro 44 B2RF	4.1	1.19	81.5	35.5	9.9	3	76.1	7.8	41-1
All-Tex ATX 9CR253 B2RF	4.8	1.09	80.9	32.2	9.2	2	78.2	8.4	31-1
NexGen NG4010 B2RF	4.6	1.11	82.1	32.1	9.7	1	75.1	8.8	31-4
FiberMax FM 1740B2F	4.3	1.06	79.9	30.7	8.9	1	76.2	8.5	31-2
Seed Source Genetics UA 222	3.9	1.15	80.8	32.2	10.4	4	75.0	8.4	31-2,41-1
FiberMax FM 9058F	4.4	1.12	80.8	30.8	8.0	2	77.3	7.8	31-2



Table 8A. Results of the pivot irrigated uniform variety test at the AG-CARES farm, Lamesa 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 9180B2F	4.4	1.11	80.1	32.5	8.8	2	76.5	7.8	31-1,41-1
PhytoGen PHY 375 WRF	4.1	1.07	78.6	28.4	9.4	3	75.1	8.4	41-1
NexGen NG3348 B2F	4.4	1.09	79.2	29.9	9.3	3	75.3	8.8	31-4
Deltapine DP 1032 B2RF	4.3	1.12	80.0	30.5	8.7	2	75.1	8.3	31-2,41-1
Stoneville ST 5445LLB2	4.4	1.11	81.0	31.5	8.4	2	73.0	9.3	32-2,41-1
Stoneville ST 4145LLB2	4.0	1.11	80.6	29.7	8.6	4	72.6	8.3	41-1,41-4
All-Tex Atlas	4.6	1.06	79.5	31.6	10.5	1	74.0	8.3	41-1,41-4
Seed Source Genetics SSG HQ 210 CT	4.1	1.06	78.9	31.0	9.4	2	76.4	8.2	41-1,41-3
Paymaster HS26	4.4	1.03	80.1	31.6	10.1	3	74.1	8.3	31-2,41-4
PhytoGen PHY 725 RF	4.3	1.16	81.2	35.8	10.2	2	75.6	9.1	31-3,31-4
Mean	4.3	1.11	80.4	31.5	9.4	2	75.2	8.4	
c.v.%	5.8	2.40	1.7	5.2	7.0	38.7	2.0	3.4	
LSD 0.05	0.5	0.05	2.7	3.3	1.3	2	3.0	0.6	

Table 9. Yield Summary of the drip irrigated cotton variety test at the AG-CARES farm, Lamesa

	2007	2008	2009	2010	2012	Average	Comp. Average*
Designation	Five Year Average						
FiberMax FM 958	1509	1327	1274	854	873	1167	
FiberMax FM 1740B2F	1612	1670	1426	1058	832	1320	
FiberMax FM 9180B2F	1418	1492	1382	957	801	1210	
Seed Source Genetics SSG HQ 210 CT	1295	1381	1288	860	692	1103	
	Four Year Average						
FiberMax FM 9058F		1782	1401	1036	811	1258	1323
NexGen NG3348 B2RF		1390	1328	935	770	1106	1171
PhytoGen 375 WRF		1729	1586	1094	780	1297	1262
Stoneville ST 5458B2RF		1824	1657	1389	1028	1475	1540
	Three Year Average						
All-Tex Epic RF			1153	1250	975	1126	1301
Deltapine DP 0912 B2RF			1562	1052	948	1187	1362
PhytoGen PHY 367 WRF			1948	1334	987	1423	1598

\*Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.

Table 10. Production information for dryland performance test at Texas A&M AgriLife Research, Lubbock, TX 2012

Test:	Uniform Variety
Planting Date:	May 2
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Medal @ 1pt/A applied July 13
Fertilizer:	100-20-0 lbs/A applied pre-plant
Rainfall:	10.37 inches during season
Harvest Aids:	none
Harvest Date:	October 26
Freeze Date:	October 8

Table 11. Results of the dryland uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties								% Open		Storm Resistance	Height
		% Turnout		% Turnout		Boll	Seed	Lint	Seed per	Bolls			
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/5/2012			
FiberMax FM 989	650	28.7	42.7	39.4	30.6	4.2	8.2	5.8	28.6	34	5	22	
FiberMax FM 1944GLB2	629	29.5	44.2	39.0	30.8	4.6	9.1	6.2	29.2	30	6	22	
Bayer CropScience BX 1347GLB2	603	29.8	41.6	41.6	32.1	4.4	8.2	6.3	28.8	39	5	19	
Deltapine DP 1044 B2F	593	30.2	43.1	42.0	34.6	4.2	7.8	6.0	29.5	34	4	20	
All-Tex AT Epic RF	592	32.0	42.6	43.0	34.4	4.9	8.8	7.0	30.2	48	4	21	
FiberMax FM 2011GT	572	31.8	41.5	40.8	32.1	4.9	9.1	6.8	29.7	48	5	21	
Deltapine DP 1219 B2RF	522	32.4	43.1	41.8	34.3	4.1	7.7	5.9	29.2	23	5	22	
PhytoGen PHY 725 RF	515	27.8	42.0	40.1	31.9	4.7	9.5	6.5	28.9	29	5	23	
Deltapine DP 0912 B2RF	499	31.1	42.1	39.9	32.3	4.3	8.2	6.0	28.6	38	4	21	
FiberMax FM 1740B2F	498	30.6	41.7	41.6	33.3	4.6	8.9	6.7	29.0	39	5	18	
Seed Source Genetics UA 222	490	31.4	42.9	41.9	34.0	4.8	9.8	7.4	27.2	34	5	21	
All-Tex ATX 81227 B2RF	489	27.9	42.9	39.8	31.5	4.0	8.4	5.7	28.2	40	5	21	
Deltapine DP 1032 B2RF	489	30.0	39.7	43.0	33.5	4.0	7.5	5.9	29.0	47	4	22	
Deltapine DP 1212 B2RF	487	27.8	39.4	40.7	31.6	4.4	8.7	6.3	28.6	69	3	22	
Americot AM 1511B2RF	481	31.1	41.1	42.2	33.7	4.5	8.4	6.5	29.2	55	4	24	
FiberMax FM 2989GLB2	472	30.0	42.5	40.0	31.5	4.4	8.9	6.3	28.4	43	4	23	
PhytoGen PHY 367 WRF	452	28.0	41.9	40.2	31.6	4.3	7.9	5.7	30.1	46	5	23	
PhytoGen PHY 499 WRF	448	31.2	38.8	43.4	34.8	4.1	7.5	6.2	28.6	50	4	22	
Deltapine DP 491	441	30.4	43.3	40.8	33.0	4.9	8.5	6.3	31.8	40	5	19	
Stoneville ST 5458B2F	439	30.9	43.9	41.4	33.5	4.9	8.7	6.5	31.4	28	5	22	
PhytoGen PHY 375 WRF	438	31.0	43.3	42.4	33.8	4.2	8.4	6.4	28.1	34	5	23	
Stoneville ST 5445LLB2	436	28.0	39.0	40.9	32.1	4.5	8.9	6.6	28.1	61	4	18	
Stoneville ST 4145LLB2	435	27.8	42.2	38.1	29.6	3.6	7.9	5.2	26.2	58	5	23	
NexGen NG3348 B2F	429	28.1	41.6	38.5	30.6	4.6	9.1	6.1	29.4	50	5	20	
All-Tex Atlas	429	27.5	44.4	35.1	26.6	3.8	9.1	5.3	25.7	54	4	21	
NexGen NG4111 RF	412	28.8	41.0	41.3	32.7	4.5	8.5	6.3	29.9	49	5	22	
FiberMax FM 9250GL	402	29.5	43.9	39.7	31.4	5.3	10.3	7.1	29.8	30	5	22	
Seed Source Genetics SSG HQ 210 CT	400	31.4	47.1	39.5	31.5	4.7	8.5	5.8	32.2	35	5	19	
All-Tex Nitro 44 B2RF	397	29.8	43.3	39.1	30.8	4.5	9.9	6.6	26.8	48	5	19	
Tamcot 73	397	28.7	42.5	37.0	29.0	4.2	8.5	5.4	28.5	55	5	17	

Table 11. Results of the dryland uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties								Seed per Boll	% Open Bolls 9/5/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index					
		Lint	Seed	Picked	Pulled								
Stoneville ST 4946GLB2	395	31.9	44.0	42.1	34.2	5.4	9.5	7.3	31.1	33	5	22	
All-Tex ATX 9CR253 B2RF	385	31.2	41.9	41.8	32.8	5.2	8.9	6.8	32.0	39	4	23	
Stoneville ST 6448GLB2	384	29.8	45.0	41.3	33.3	4.8	8.8	6.5	30.4	13	5	22	
FiberMax FM 2484B2F	384	29.9	41.4	43.2	34.8	4.7	9.6	7.6	26.7	25	6	22	
Deltapine DP 174 RF	364	31.7	45.3	41.1	32.4	5.1	9.3	6.8	30.5	27	5	22	
Paymaster HS26	364	26.3	42.2	36.2	28.3	4.5	8.9	5.4	30.6	59	4	19	
FiberMax FM 9058F	356	28.7	41.7	39.7	30.4	4.5	9.7	6.6	27.2	54	6	20	
FiberMax FM 9180B2F	355	28.8	42.6	42.2	32.2	4.3	8.6	6.2	28.9	55	5	20	
FiberMax FM 958	350	28.2	42.3	40.2	30.8	4.8	9.7	6.9	28.0	28	5	18	
NexGen NG4010 B2RF	267	26.5	41.9	40.4	31.7	4.1	8.4	6.0	27.8	33	6	23	
Mean	453	29.6	42.4	40.5	32.1	4.5	8.7	6.3	29	41	5	21	
c.v.%	35.2	4.7	4.5	3.9	4.4	8.4	5.7	8.4	5.1	39.2	17.2	9.9	
LSD 0.05	224	2	2.6	3.2	2.9	0.8	1.0	1.1	3.0	23	1	2.9	

Table 11A. Results of the dryland uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 989	4.7	0.93	76.6	27.7	7.7	1	74.1	9.3	31-4,32-2
FiberMax FM 1944GLB2	4.7	1.10	79.7	29.1	7.2	2	76.4	8.3	31-1,31-4
Bayer CropScience BX 1347GLB2	4.8	1.04	76.9	23.9	6.8	3	73.7	8.5	41-1,41-3
Deltapine DP 1044 B2F	5.0	1.07	80.0	30.5	11.1	2	73.5	9.2	31-4,42-1
All-Tex AT Epic RF	4.9	1.02	79.7	29.2	10.4	2	73.8	9.5	31-3,32-2
FiberMax FM 2011GT	4.5	1.00	78.1	28.6	7.9	2	74.0	8.9	31-4,41-3
Deltapine DP 1219 B2RF	4.7	1.07	77.6	29.7	8.6	2	75.6	8.8	31-2,31-4
PhytoGen PHY 725 RF	4.5	1.10	80.7	32.7	9.8	3	73.4	9.2	32-2,41-3
Deltapine DP 0912 B2RF	5.1	0.99	78.3	27.2	9.1	2	74.0	9.1	32-2,41-3
FiberMax FM 1740B2F	5.0	1.00	78.2	28.5	8.6	3	73.4	8.8	31-2,42-2
Seed Source Genetics UA 222	5.2	1.10	80.2	30.3	10.1	3	74.0	8.8	31-4,41-3
All-Tex ATX 81227 B2RF	4.8	0.99	77.4	27.6	8.9	4	73.7	8.9	41-3
Deltapine DP 1032 B2RF	4.7	1.00	78.6	27.3	8.4	3	73.8	9.2	31-4,32-2
Deltapine DP 1212 B2RF	4.4	1.03	79.4	29.6	10.2	4	68.5	9.5	42-1,52-1
Americot AM 1511B2RF	5.0	1.00	79.2	28.8	11.0	4	70.3	9.0	42-1,42-2
FiberMax FM 2989GLB2	4.9	1.01	77.5	27.6	7.5	3	73.6	8.8	31-4,41-3
PhytoGen PHY 367 WRF	4.5	1.01	79.2	28.8	9.9	3	71.5	9.3	42-1
PhytoGen PHY 499 WRF	4.7	0.97	77.8	28.3	10.1	3	70.9	9.3	42-1,42-2
Deltapine DP 491	5.1	1.04	79.6	29.0	8.3	2	74.2	9.5	32-2
Stoneville ST 5458B2F	5.2	1.04	78.6	29.0	8.7	3	73.1	9.5	32-2
PhytoGen PHY 375 WRF	5.0	1.02	78.7	28.2	9.2	3	73.1	8.8	41-3
Stoneville ST 5445LLB2	4.9	0.99	77.7	27.4	8.6	4	70.0	9.1	42-2
Stoneville ST 4145LLB2	4.3	0.99	78.2	25.4	7.3	4	70.6	8.8	41-4,42-1
NexGen NG3348 B2F	3.9	1.02	79.2	27.6	8.5	3	71.0	8.9	42-1,42-2
All-Tex Atlas	4.6	1.00	78.7	29.3	9.1	4	73.5	8.7	41-1,42-1
NexGen NG4111 RF	4.9	1.05	80.4	31.7	9.2	4	72.0	9.6	32-2,42-1
FiberMax FM 9250GL	4.6	1.04	79.1	28.7	7.6	2	75.8	8.8	31-1,31-4
Seed Source Genetics SSG HQ 210 CT	4.8	1.05	79.9	29.8	9.0	1	75.2	8.3	31-1,41-3
All-Tex Nitro 44 B2RF	4.3	1.18	81.7	34.2	9.5	3	74.0	8.2	41-1
Tamcot 73	4.5	1.01	78.8	32.5	9.0	3	71.2	9.0	41-3,42-2

Table 11A. Results of the dryland uniform variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Stoneville ST 4946GLB2	5.0	1.08	81.0	32.3	9.7	2	74.5	9.1	31-3,42-1
All-Tex ATX 9CR253 B2RF	5.2	1.03	78.9	29.4	8.6	1	75.0	8.6	31-2,41-3
Stoneville ST 6448GLB2	4.7	1.14	81.7	29.5	7.6	1	77.1	8.4	31-1,31-2
FiberMax FM 2484B2F	4.8	1.13	79.8	31.1	8.1	3	75.6	8.1	31-2,41-3
Deltapine DP 174 RF	5.0	1.09	79.2	28.7	8.8	2	76.4	8.9	31-1,31-4
Paymaster HS26	4.4	0.99	79.1	29.1	8.9	4	72.2	8.9	41-3,42-1
FiberMax FM 9058F	4.0	1.01	77.8	27.0	7.5	3	74.6	9.0	31-4
FiberMax FM 9180B2F	4.4	1.03	79.1	29.7	8.1	4	73.5	8.5	32-1,41-4
FiberMax FM 958	4.6	1.04	77.8	29.7	7.7	2	72.9	9.0	41-3,42-1
NexGen NG4010 B2RF	5.0	1.03	79.4	30.0	8.9	4	71.3	9.5	42-1
Mean	4.7	1.03	79.0	29.1	8.8	3	73.4	8.9	
c.v.%	6.5	3.2	1.5	4.2	3.4	29.8	2.0	3.3	
LSD 0.05	0.6	0.07	2.4	2.5	0.6	2	3.0	0.6	

Table 12. Yield summary of the dryland uniform variety test at Texas A&M AgriLife Research, Lubbock

	2008	2009	2010	2011	2012	Average	Comp. Average*	
Designation	<u>Five Year Average</u>							
FiberMax FM 1740 B2F	1002	681	1296	341	498	764		
FiberMax FM 9058 F	968	668	1485	350	356	765		
FiberMax FM 9180 B2F	814	565	1327	308	355	674		
NexGen NG3348 B2RF	843	609	979	260	429	624		
Seed Source Genetics SSG HQ 210 CT	1004	663	1126	403	400	719		
Stoneville ST 5458 B2RF	1037	775	1294	364	439	782		
	<u>Four Year Average</u>							
All-Tex Epic RF		701	1099	412	592	701	757	
Deltapine DP 0912 B2RF		721	1335	306	499	715	771	
PhytoGen 367 WRF		576	1398	333	452	690	746	
	<u>Three Year Average</u>							
Deltapine DP 1044 B2RF			1560	306	593	820	766	
PhytoGen PHY 499 WRF			1396	345	488	743	797	

\*Patterson, R.E. 1950. A method of adjustment for calculating comparable yields in variety tests.



Table 13. Production information for the dryland performance test at the AG-CARES farm, Lamesa, TX 2012

Test:	Dryland Variety
Planting Date:	May 24
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5 pt/A applied pre-plant
Fertilizer:	10-34-0 116bs/A applied pre-plant
Irrigations:	16.1 acre-in applied May-September
Harvest Date:	November 2

Table 14. Results of the dryland uniform cotton variety test at the AG-CARES farm, Lamesa 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/10/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
PhytoGen PHY 499 WRF	412	27.9	41.3	43.6	35.2	4.5	8.5	6.7	29.4	56	5	20
All-Tex AT Epic RF	410	28.8	41.2	42.3	34.0	4.9	8.7	6.6	31.5	64	5	18
Deltapine DP 1219 B2RF	373	27.4	40.0	43.2	35.6	4.7	7.8	6.4	31.7	39	5	20
Stoneville ST 5458B2F	363	29.1	43.0	41.5	33.8	5.0	9.1	6.7	30.9	38	6	18
Stoneville ST 6448GLB2	354	26.8	40.7	41.2	33.3	4.7	9.1	6.5	30.0	54	4	18
FiberMax FM 2484B2F	347	27.4	42.7	41.6	33.7	4.2	9.9	7.3	23.7	40	6	18
Stoneville ST 4946GLB2	342	28.6	41.9	42.0	34.6	5.7	9.7	7.3	32.6	58	5	18
FiberMax FM 2011GT	337	28.7	39.8	44.0	35.1	5.9	10.8	9.0	28.9	40	6	18
Deltapine DP 0912 B2RF	328	27.9	41.9	42.5	34.6	5.1	8.8	6.9	31.2	42	5	18
PhytoGen PHY 375 WRF	327	27.4	41.8	41.9	34.2	4.6	8.5	6.5	29.7	56	5	17
Bayer CropScience BX 1347GLB2	327	25.7	41.1	40.9	32.7	5.3	9.5	7.0	31.4	43	5	18
All-Tex ATX 9CR253 B2RF	324	28.9	40.1	44.4	35.6	5.1	8.4	6.9	33.0	56	5	20
FiberMax FM 1740B2F	319	27.0	40.9	42.7	34.9	5.0	9.7	7.7	27.4	48	6	17
FiberMax FM 9250GL	317	27.3	43.5	40.7	33.1	6.1	11.0	7.9	31.7	56	6	19
FiberMax FM 1944GLB2	316	27.4	44.6	40.4	32.1	4.9	9.8	6.9	28.4	55	6	19
Deltapine DP 1044 B2F	306	27.3	43.5	39.9	32.9	4.5	8.3	5.9	30.8	53	5	17
All-Tex Nitro 44 B2RF	305	25.9	43.5	40.5	32.8	5.0	10.5	7.5	27.0	43	6	17
PhytoGen PHY 367 WRF	299	25.0	39.7	40.6	32.5	4.6	8.7	6.2	29.7	54	5	19
FiberMax FM 9180B2F	289	25.0	43.7	39.8	31.8	5.3	10.5	7.2	29.0	44	6	18
FiberMax FM 2989GLB2	283	26.5	44.1	40.4	32.2	5.3	10.1	7.1	30.0	48	5	18
Deltapine DP 1212 B2RF	282	26.3	40.2	42.2	34.4	5.0	9.3	7.1	29.7	58	5	18
All-Tex ATX 81227 B2RF	281	24.6	43.6	40.6	32.4	4.7	9.1	6.4	29.7	49	6	19
Deltapine DP 1032 B2RF	281	27.5	40.2	44.2	35.9	4.6	8.0	6.5	31.4	54	5	18
NexGen NG4111 RF	276	28.4	43.1	42.5	34.2	5.0	9.6	7.2	29.5	38	6	19
FiberMax FM 9058F	271	27.5	42.4	41.6	33.1	4.9	9.9	7.2	28.5	48	7	17
Americot AM 1511B2RF	271	30.1	39.6	43.5	35.9	5.1	8.8	7.2	30.9	49	5	19
Deltapine DP 174 RF	271	27.7	41.9	43.2	35.0	5.5	8.8	7.1	33.3	54	5	18
NexGen NG4010 B2RF	262	27.2	43.9	40.9	32.9	4.8	9.3	6.7	29.8	38	6	19
NexGen NG3348 B2F	256	28.1	43.6	40.3	33.0	5.4	10.2	7.2	30.6	45	5	18
PhytoGen PHY 725 RF	189	21.0	37.6	38.8	31.3	4.9	10.0	6.7	28.6	45	5	19
Mean	310	27.1	41.8	41.7	33.7	5.0	9.3	7.0	30.0	49	5	18
c.v.%	18.6	5.3	3.6	2.4	2.9	3.4	3.1	4.1	4.6	20.3	13.1	7.0
LSD 0.05	81.3	2.0	2.1	2.1	2.0	0.4	0.6	0.6	2.8	14	1	2

Varieties without Flex or Glytol were not sampled due to glyphosate drift.

Table 14A. Results of the dryland uniform variety test at the AG-CARES farm, Lamesa 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Rd	+b	Leaf	Color Grade
PhytoGen PHY 499 WRF	4.2	1.05	79.7	31.1	10.3	75.3	9.1	3	31-3,31-4
All-Tex AT Epic RF	4.5	1.05	78.8	29.6	10.3	73.3	9.4	2	32-2
Deltapine DP 1219 B2RF	4.3	1.12	79.7	28.9	8.2	76.7	8.7	2	31-1,31-3
Stoneville ST 5458B2F	4.5	1.05	78.0	29.1	9.0	75.0	9.1	2	31-3,31-4
Stonveille ST 6448GLB2	4.3	1.12	80.1	28.9	8.5	74.4	9.5	2	32-1,32-2
FiberMax FM 2484B2F	4.2	1.06	78.2	29.8	8.8	74.8	8.9	3	31-1,42-1
Stoneville ST 4946GLB2	4.2	1.07	78.7	30.8	9.3	73.8	9.3	2	31-4,32-2
FiberMax FM 2011GT	4.2	1.11	79.5	29.7	8.2	76.5	8.9	3	31-1,31-3
Deltapine DP 0912 B2RF	4.3	1.06	78.9	29.3	8.3	73.5	9.3	2	31-4,42-1
PhytoGen PHY 375 WRF	4.3	1.06	79.0	29.6	9.1	73.4	9.3	3	31-3,42-1
Bayer CropScience BX 1347GLB2	4.5	1.08	79.1	28.9	8.2	75.1	8.7	3	31-2,32-2
All-Tex ATX 9CR253 B2RF	4.6	1.06	77.2	29.9	8.1	74.1	9.0	2	31-3,41-3
FiberMax FM 1740B2F	4.7	1.06	77.9	28.9	8.6	76.0	9.1	2	31-3
FiberMax FM 9250GL	4.2	1.10	79.9	30.2	7.2	76.5	8.8	3	31-1,31-3
FiberMax FM 1944GLB2	4.4	1.13	79.8	30.2	7.6	76.4	8.6	2	31-1,31-2
Deltapine DP 1044 B2F	4.4	1.07	78.4	30.9	9.1	75.2	9.1	3	31-3,31-4
All-Tex Nitro 44 B2RF	4.0	1.15	80.4	33.4	9.1	73.8	9.1	2	31-4,42-1
PhytoGen PHY 367 WRF	3.9	1.05	78.7	30.1	9.6	74.3	9.3	3	31-3,32-2
FiberMax FM 9180B2F	4.1	1.13	79.7	32.3	8.4	76.1	8.7	3	31-1,41-3
FiberMax FM 2989GLB2	4.2	1.04	77.3	30.5	9.3	73.2	9.3	3	31-4,42-1
Deltapine DP 1212 B2RF	4.5	1.08	79.6	31.5	10.7	72.6	9.8	2	32-2
All-Tex ATX 81227 B2RF	4.5	1.06	77.8	30.6	8.8	75.9	9.2	1	31-3
Deltapine DP 1032 B2RF	4.2	1.07	79.1	29.6	8.4	73.2	9.3	2	32-2,42-1
NexGen NG4111 RF	4.7	1.06	79.1	31.0	9.2	74.8	9.5	3	32-1,32-2
FiberMax FM 9058F	4.2	1.09	78.7	30.8	8.5	73.9	9.0	2	32-1,41-1
Americot AM 1511B2RF	4.6	1.07	79.6	31.7	10.1	73.8	9.5	2	32-2
Deltapine DP 174 RF	4.2	1.11	79.8	29.3	8.6	74.2	9.1	3	31-4
NexGen NG4010 B2RF	4.5	1.12	79.9	31.4	8.7	74.3	9.3	3	31-1,32-2
NexGen NG3348 B2F	3.9	1.04	77.5	30.2	8.5	72.1	9.1	3	41-1,42-1
PhytoGen PHY 725 RF	3.9	1.10	78.6	31.8	9.0	72.7	9.4	4	32-2,42-1
Mean	4.2	1.08	79.9	30.3	8.8	74.4	9.1	2	
c.v.%	5.8	3.3	1.6	6.6	8.7	2.5	4.9	37.1	
LSD 0.05	0.5	0.07	2.6	4.1	1.6	3.8	0.9	2	

Table 15. Yield summary of the dryland cotton variety test at the AG-CARES farm ,Lamesa

	2007	2008	2009	2010	2012	Average	Comp. Average*
Designation	<u>Five Year Average</u>						
FiberMax FM 1740B2F	1173	537	664	787	319	696	
FiberMax FM 9058F	1102	414	544	667	271	600	
FiberMax FM 9180B2F	1030	428	452	552	289	550	
	<u>Four Year Average</u>						
NexGen NG3348 B2RF		362	616	498	256	433	555
PhytoGen PHY 375 WRF		527	678	961	327	623	745
Stoneville ST 5458 B2RF		536	652	869	363	605	727
	<u>Three Year Average</u>						
All-Tex Epic RF			670	964	410	681	792
Deltapine DP 0912 B2RF			639	636	328	534	645
PhytoGen PHY 367 WRF			689	791	299	593	704

\*Patterson, R.E. A method of adjustment for calculating comparable yields in variety tests.

Table 16. Yield summary for uniform variety trials over five locations in 2012

Designation	Overall Yield	Lub Irr Rank	Lub Dry Rank	Halfway Rank	Lamesa Irr Rank	Lamesa Dry Rank
Stoneville ST 5458B2F	810	4	20	3	4	4
FiberMax FM 1944GLB2	809	3	2	8	14	15
Stoneville ST 4946GLB2	806	10	31	1	1	7
PhytoGen PHY 367 WRF	788	1	17	19	9	18
FiberMax FM 2484B2F	785	6	34	2	11	6
PhytoGen PHY 499 WRF	783	15	18	10	2	1
All-Tex AT Epic RF	780	9	5	24	10	2
Bayer CropScience BX 1347GLB2	772	19	3	6	12	11
FiberMax FM 989	771	17	1	36	8	--
FiberMax FM 2011GT	761	22	6	5	18	8
FiberMax FM 9250GL	758	7	27	12	6	14
FiberMax FM 2989GLB2	757	2	16	13	23	20
All-Tex Nitro 44 B2RF	751	5	29	4	25	17
Deltapine DP 1319 B2RF	744	20	7	20	16	3
All-Tex ATX 81227 B2RF	739	11	12	14	17	22
Americot AM 1511B2RF	736	8	15	28	5	26
Deltapine DP 1044 B2F	726	31	4	26	3	16
Deltapine DP 0912 B2RF	721	18	9	25	13	9
Seed Source Genetics UA 222	717	12	11	33	29	--
Stoneville ST 6448GLB2	701	29	33	11	15	5
Deltapine DP 1212 B2RF	696	23	14	22	20	21
NexGen NG4111 RF	690	21	26	29	7	24
FiberMax FM 1740B2F	689	33	10	17	28	13
Deltapine DP 491	685	32	19	31	19	--
All-Tex ATX 9CR253 B2RF	677	34	32	9	26	12
PhytoGen PHY 375 WRF	674	35	21	7	32	10
FiberMax FM 9058F	669	24	37	15	30	25
Stoneville ST 5445LLB2	657	16	22	35	35	--
FiberMax FM 9180B2F	652	28	38	16	31	19
NexGen NG4010 B2RF	646	25	40	18	27	28
Deltapine DP 1032 B2RF	642	--	13	21	34	23
NexGen NG3348 B2F	636	27	24	23	33	29
Stoneville ST 4145LLB2	635	13	23	39	36	--
Deltapine DP 174 RF	634	26	35	30	24	27
FiberMax FM 958	622	30	39	38	22	--
PhytoGen PHY 725 RF	603	14	8	27	40	30
All-Tex Atlas	599	37	25	37	37	--
Paymaster HS26	598	36	36	32	39	--
Seed Source Genetics SSG HQ 210 CT	595	38	28	34	38	--
Tamcot 73	580	39	30	40	21	--

Table 17. Production information for the irrigated performance test at the Dale Swinburn farm, Tulia, TX 2012

Test:	Cotton Variety
Planting Date:	April 27
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Post plant application
Fertilizer:	Yes
Irrigations:	Furrow irrigated
Freeze Date:	October 8
Harvest Date:	November 19

Table 18. Results of the irrigated cotton variety test at the Dale Swinburn farm, Tulia 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/30/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
FiberMax FM 2011GT	1370	29.9	43.7	40.2	31.0	6.3	11.4	8.2	30.7	84	6	28
FiberMax FM 2484B2F	1365	28.6	43.9	40.1	31.5	4.7	10.0	7.0	26.9	79	5	30
FiberMax FM 9058F	1307	27.5	43.4	39.3	30.1	5.1	10.5	7.2	28.1	84	5	28
Bayer CropScience BX 1347GLB2	1268	27.2	42.3	37.0	27.4	4.6	10.3	6.5	26.2	86	5	31
FiberMax FM 9180B2F	1238	25.7	44.4	35.5	27.5	5.5	10.9	6.5	29.9	83	5	23
All-Tex Edge B2RF	1210	26.5	44.8	37.4	29.5	5.0	10.1	6.4	29.3	73	6	32
Stoneville ST 4946GLB2	1162	27.4	43.2	36.2	27.9	5.4	11.1	6.8	28.4	74	5	33
Deltapine DP 0912 B2RF	1140	27.1	43.6	35.7	23.4	4.5	10.6	6.3	25.6	75	4	31
FiberMax FM 9250GL	1133	26.1	44.2	36.5	27.0	6.2	11.2	6.9	32.5	84	6	30
All-Tex Nitro 44 B2RF	1132	26.1	43.7	36.8	28.6	5.4	11.6	7.2	27.9	76	5	31
FiberMax FM 1944GLB2	1030	26.9	44.4	35.7	27.3	5.3	11.1	6.6	28.7	79	5	31
Monsanto 11R154B2R2	986	26.6	41.3	37.2	27.7	5.2	10.3	6.5	29.6	55	4	35
PhytoGen PHY 367 WRF	982	27.0	42.8	35.6	26.1	4.6	9.7	5.8	28.3	76	4	30
Seed Source Genetics SSG HQ 210 CT	979	26.3	45.8	34.0	27.0	4.9	9.2	5.1	33.0	79	4	30
Seed Source Genetics UA 222	975	26.8	44.2	37.7	30.1	5.4	11.0	7.0	29.2	76	4	30
All-Tex ATX 784381 RF	970	26.8	42.0	38.5	28.5	5.1	10.1	6.7	29.0	79	5	31
Deltapine DP 1212 B2RF	963	25.9	41.4	36.4	27.2	5.3	10.7	6.6	29.0	75	5	30
NexGen NG2051 B2RF	958	23.3	46.0	32.4	24.2	5.1	10.8	5.7	29.4	78	4	29
Deltapine DP 1219 B2RF	955	26.9	42.1	35.9	27.0	4.7	9.3	5.6	29.6	69	4	35
All-Tex ATX 9CR253 B2RF	937	27.5	40.5	38.6	28.4	5.0	10.2	7.0	27.6	78	5	32
Stoneville ST 6448GLB2	935	24.8	44.6	35.4	26.4	4.8	10.3	5.9	28.6	70	3	32
UA 48	896	26.3	45.5	34.2	25.2	5.4	11.8	6.6	27.9	79	3	29
PhytoGen PHY 499 WRF	893	27.4	41.8	37.3	28.9	4.7	9.4	6.0	29.3	73	4	35
NexGen NG1551 RF	887	24.7	44.7	32.1	24.2	5.6	12.1	6.3	28.6	79	3	29
All-Tex ATX 10WR585 RF	886	26.6	41.0	39.6	28.5	5.2	9.8	6.8	30.5	73	6	32
FiberMax FM 1740B2F	885	28.1	43.0	38.1	26.0	4.4	10.3	6.7	24.9	85	4	29
All-Tex ATX 981221501 B2RF	857	25.1	40.8	37.2	26.9	5.6	11.0	6.9	30.1	76	5	32
Deltapine DP 1321 B2RF	851	28.7	42.6	37.6	28.4	5.0	10.2	6.5	28.6	69	5	29
Monsanto 11R136B2R2	812	28.6	41.8	36.4	27.4	5.1	10.4	6.7	27.6	73	4	31
Deltapine DP 1311 B2RF	658	26.1	41.5	37.0	27.9	4.7	9.2	5.8	30.1	63	5	31
Mean	1020	26.7	43.2	36.7	27.6	5.1	10.5	6.5	28.8	76	4	31
c.v.%	17.2	4.6	3.2	2.9	5.6	5.9	4.3	5.8	6.7	11.1	14.2	11.6
LSD 0.05	247	1.7	2.0	2.2	3.1	0.6	0.9	0.8	4.0	12	1	5

Table 18A. Results of the irrigated cotton variety test at the Dale Swinburn farm, Tulia 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2011GT	3.4	1.10	80.1	31.4	8.6	2	78.3	8.5	31-1
FiberMax FM 2484B2F	3.6	1.11	77.1	30.3	8.0	1	78.5	9.1	21-1,21-4
FiberMax FM 9058F	3.8	1.11	78.3	30.1	8.5	2	78.1	9.1	21-1,31-3
Bayer CropScience BX 1347GLB2	3.6	1.11	77.5	28.0	7.4	3	75.3	8.1	41-1
FiberMax FM 9180B2F	3.8	1.14	79.1	32.1	8.9	3	76.4	8.9	31-1,31-4
All-Tex Edge B2RF	3.5	1.10	77.5	31.2	8.6	1	75.2	10.2	22-2,31-2
Stoneville ST 4946GLB2	3.2	1.10	79.5	31.1	9.9	2	75.6	10.3	22-1,22-2
Deltapine DP 0912 B2RF	3.5	1.08	78.3	29.7	10.1	1	72.1	10.8	32-2,33-1
FiberMax FM 9250GL	3.1	1.16	78.9	30.9	8.1	1	78.5	8.9	21-3,31-1
All-Tex Nitro 44 B2RF	3.1	1.16	78.6	32.2	10.5	3	71.9	10.6	32-2,33-4
FiberMax FM 1944GLB2	3.2	1.14	79.2	30.1	8.1	1	75.0	10.3	22-2,32-1
Monsanto 11R154B2R2	3.2	1.07	77.4	29.7	9.1	1	69.4	13.0	23-1,24-4
PhytoGen PHY 367 WRF	3.4	1.10	79.0	31.3	9.8	2	75.2	9.9	22-2,31-3
Seed Source Genetics SSG HQ 210 CT	3.7	1.08	77.8	30.7	9.8	1	76.1	10.0	21-4,22-2
Seed Source Genetics UA 222	3.2	1.15	78.1	31.3	10.4	3	74.8	9.8	32-1
All-Tex ATX 784381 RF	3.0	1.12	79.0	29.5	9.3	2	73.8	10.6	23-2,32-1
Deltapine DP 1212 B2RF	3.4	1.15	80.0	33.0	10.1	2	72.5	11.1	23-1,33-1
NexGen NG2051 B2RF	3.3	1.10	77.4	28.4	8.7	3	75.9	9.1	31-2,32-1
Deltapine DP 1219 B2RF	3.1	1.13	77.4	30.9	9.0	1	75.1	11.1	12-2,23-1
All-Tex ATX 9CR253 B2RF	4.2	1.08	79.1	30.4	9.1	1	74.5	10.3	22-2,32-1
Stoneville ST 6448GLB2	3.2	1.17	78.5	28.4	8.1	1	75.7	10.7	21-3,23-1
UA 48	3.8	1.21	80.5	34.4	8.4	1	72.2	11.0	23-2,33-1
PhytoGen PHY 499 WRF	3.3	1.10	78.8	31.2	10.2	2	71.4	11.2	32-1,33-3
NexGen NG1551 RF	4.2	1.06	78.6	30.5	9.5	1	73.5	9.9	32-1,32-2
All-Tex ATX 10WR585 RF	3.5	1.12	77.3	28.0	8.9	1	75.9	9.3	31-3,32-1
FiberMax FM 1740B2F	3.2	1.05	75.9	28.6	9.4	2	76.1	9.6	22-2,31-1
All-Tex ATX 981221501 B2RF	3.9	1.12	79.3	31.4	8.9	1	72.8	10.3	32-2,33-1
Deltapine DP 1321 B2RF	3.4	1.11	78.1	31.3	11.0	2	74.9	10.4	22-2
Monsanto 11R136B2R2	3.2	1.15	77.8	31.1	9.0	2	73.8	10.9	22-1,32-1
Deltapine DP 1311 B2RF	3.1	1.04	76.5	28.1	10.2	1	73.1	11.2	23-2
Mean	3.4	1.11	78.3	30.5	9.2	1	74.7	10.1	
c.v.%	6.3	2.7	1.8	4.2	4.6	38.8	2.5	7.4	
LSD 0.05	0.4	0.06	2.9	2.6	0.9	1	3.8	1.5	



Table 19. Production information for furrow irrigated performance test at Texas A&M AgriLife Research, Pecos, TX 2012

Test:	Regional Cotton Variety
Planting Date:	May 7
Row Spacing:	34-42in variable (equivalent to 38in)
Planting Pattern:	Solid
Herbicide:	Prowl @ 2pt/A applied pre-plant
Fertilizer:	None
Irrigations:	Furrow irrigations approximately every 2 weeks in season
Rainfall:	May-October = 6.54 inches
Harvest Aids:	Gramoxone @ 1pt/A
Harvest Date:	November 9

Table 20. Results of the irrigated cotton vareity test at Texas A&M AgriLife, Pecos 2012

Designation	Yield	Agronomic Properties								% Open		
		% Turnout		% Turnout		Boll	Seed	Lint	Seed per	Bolls	Storm	Height
		Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/18/2012	Resistance	
Deltapine DP 0935 B2RF	859	29.4	41.2	41.5	32.6	4.8	9.1	6.7	29.9	81	6	19
Deltapine DP 1359 B2RF	811	28.6	40.2	42.2	33.3	4.3	8.2	6.2	29.5	74	5	21
Monsanto 11R154B2R2	805	28.2	40.1	39.7	31.7	4.6	8.8	6.3	29.0	86	5	19
PhytoGen PHY 499 WRF	794	30.3	38.6	41.0	32.9	4.8	8.7	6.6	30.1	91	5	21
Monsanto 11R136B2R2	753	30.8	40.6	39.7	31.1	4.6	8.6	6.1	30.2	75	5	21
Stoneville ST 5445LLB2	710	28.0	39.2	38.3	30.1	4.7	9.3	6.4	28.0	86	4	17
All-Tex Nitro 44 B2RF	707	27.3	40.7	37.8	30.4	4.4	9.9	6.5	25.3	88	6	17
Americot AM 1511B2RF	685	29.8	38.2	39.0	31.4	4.2	9.4	6.7	25.0	88	4	20
PhytoGen PHY 565 WRF	685	26.7	41.6	36.3	28.5	4.4	8.9	5.5	29.2	91	5	20
NM 11Q1525	672	27.9	41.4	38.2	31.0	4.8	10.2	6.7	27.6	89	5	19
Stoneville ST 4946GLB2	671	30.5	40.3	41.5	33.3	4.7	9.5	7.2	27.4	94	6	18
Stoneville ST 6448GLB2	667	28.4	43.8	38.7	30.4	4.0	8.5	5.7	27.2	89	4	20
FiberMax FM 1944GLB2	651	26.2	39.5	38.0	30.4	4.7	9.8	6.4	27.7	88	6	18
Deltapine DP 0912 B2RF	645	30.5	43.1	38.2	30.6	4.5	8.5	5.7	30.1	90	3	19
Acala 1517-08	645	25.2	40.7	37.3	29.1	4.7	10.1	6.3	27.7	84	4	22
NM 11Q1420	644	25.4	44.0	34.7	27.2	4.7	9.8	5.6	29.2	86	4	21
Deltapine DP 1219 B2RF	643	28.1	40.9	39.4	31.2	4.5	8.0	5.6	31.4	83	5	20
Deltapine DP 1044 B2RF	637	27.0	38.5	39.6	30.8	4.0	7.9	5.6	28.6	91	5	19
FiberMax FM 9058F	613	28.8	40.4	38.1	30.4	4.6	9.4	6.2	28.4	66	6	18
PhytoGen PHY 725 RF	601	29.3	43.3	37.8	30.7	4.3	9.2	6.0	27.5	83	3	21
FiberMax FM 2484B2F	579	30.0	40.3	43.2	34.1	4.0	9.9	7.7	22.2	85	6	19
Stoneville ST 4145LLB2	570	26.8	40.7	38.0	29.3	4.7	9.3	6.2	29.1	95	4	19
PhytoGen PHY 755 WRF	569	26.5	42.4	36.6	28.9	4.2	8.7	5.4	28.4	91	3	20
Bayer CropScience BX 1347GLB2	555	26.5	38.9	39.7	31.5	4.7	8.9	6.3	29.8	93	7	18
Deltapine DP 1032 B2RF	551	29.6	37.6	43.5	34.2	4.1	7.6	6.3	28.3	86	4	20
Deltapine DP 161 B2RF	550	26.7	43.2	38.0	30.0	4.2	8.6	5.5	29.5	91	5	20
FiberMax FM 2989GLB2	542	28.3	41.1	40.2	30.9	4.6	9.6	6.7	27.3	93	5	21
FiberMax FM 9170B2F	535	30.7	41.1	40.0	32.0	4.4	8.9	6.4	27.4	85	6	19
PhytoGen PHY 367 WRF	514	28.3	40.3	37.5	29.1	4.2	8.4	5.5	28.7	85	4	18
FiberMax FM 1740B2F	503	28.9	38.8	41.0	32.7	4.7	9.7	7.3	26.4	96	6	16
Mean	645	28.3	40.7	39.1	31	4.5	9	6.2	28.2	87	5	19
c.v.%	24.8	6.2	4.5	4.4	4.6	4.7	4.2	5.7	5.6	10.4	15.4	7.4
LSD 0.05	225	2.5	2.6	3.5	2.9	0.4	0.8	0.7	3.2	13	1	2

Table 20A. Results of the irrigated cotton variety test at Texas A&M AgriLife Research, Pecos 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 0935 B2RF	4.4	1.04	78.0	27.7	8.7	1	79.7	9.0	21-1
Deltapine DP 1359 B2RF	4.2	1.09	79.7	30.7	8.0	1	79.7	8.6	21-1,21-2
Monsanto 11R154B2R2	4.0	1.09	78.9	30.8	7.8	1	79.6	8.4	21-2,31-1
PhytoGen PHY 499 WRF	4.2	1.05	81.0	31.3	9.9	3	76.5	8.6	31-1,31-2
Monsanto 11R136B2R2	3.9	1.13	79.8	32.0	8.7	2	79.7	8.4	21-1,31-1
Stoneville ST 5445LLB2	4.5	1.06	79.2	28.8	8.2	3	75.5	8.6	31-2,31-4
All-Tex Nitro 44 B2RF	4.2	1.11	80.4	32.2	8.9	3	76.3	7.8	31-2,41-1
Americot AM 1511B2RF	4.8	1.04	80.4	29.9	9.8	2	76.7	8.5	31-1,31-2
PhytoGen PHY 565 WRF	3.8	1.07	78.8	31.5	9.2	2	76.9	8.9	31-1,31-3
NM 11Q1525	4.3	1.05	79.7	29.3	8.3	1	77.6	9.0	21-1,31-3
Stoneville ST 4946GLB2	4.5	1.05	80.1	30.0	9.1	3	76.4	8.5	31-1
Stoneville ST 6448GLB2	4.2	1.12	80.1	28.3	7.0	2	78.9	8.2	31-1
FiberMax FM 1944GLB2	3.9	1.08	77.1	28.5	7.4	3	77.7	8.1	31-1,31-2
Deltapine DP 0912 B2RF	4.3	1.01	78.2	28.0	8.5	2	76.4	8.6	31-1,31-2
Acala 1517-08	4.3	1.16	80.4	35.8	7.9	2	77.4	8.6	31-1
NM 11Q1420	3.8	1.11	78.6	31.0	8.3	1	77.5	8.9	31-1,31-3
Deltapine DP 1219 B2RF	4.0	1.08	78.4	29.5	7.8	1	79.9	8.5	21-1,31-1
Deltapine DP 1044 B2RF	4.1	1.04	79.2	29.1	10.1	2	79.0	8.5	21-2,31-1
FiberMax FM 9058F	4.6	1.08	79.5	28.2	6.9	2	80.1	8.2	21-1,31-1
PhytoGen PHY 725 RF	4.4	1.07	79.4	31.3	8.5	2	76.7	8.9	31-1,31-3
FiberMax FM 2484B2F	4.2	1.12	80.7	30.8	7.8	2	80.9	7.8	21-2
Stoneville ST 4145LLB2	4.5	1.04	79.3	27.0	7.6	4	76.1	8.3	31-2
PhytoGen PHY 755 WRF	3.9	1.11	79.7	32.6	8.7	2	76.4	8.9	31-1,31-4
Bayer CropScience BX 1347GLB2	4.6	1.06	76.8	26.3	6.9	2	77.6	7.4	31-1,41-1
Deltapine DP 1032 B2RF	4.5	1.04	78.1	28.2	8.4	1	80.6	8.4	21-1
Deltapine DP 161 B2RF	4.4	1.12	80.3	29.9	7.6	3	80.2	8.1	21-2,31-1
FiberMax FM 2989GLB2	3.8	1.09	79.9	30.9	7.3	2	79.2	8.4	31-1
FiberMax FM 9170B2F	4.1	1.09	80.1	30.1	7.5	2	80.5	7.8	21-1,31-1
PhytoGen PHY 367 WRF	4.2	1.04	79.0	28.6	9.0	1	76.5	9.1	31-3
FiberMax FM 1740B2F	3.6	1.03	78.2	27.6	7.5	1	79.6	8.5	21-1,31-1
Mean	4.2	1.07	79.3	29.8	8.2	2	78.2	8.4	
c.v.%	11.1	1.5	1.1	2.8	4.2	32.1	1.2	2.1	
LSD 0.05	0.9	0.03	1.8	1.7	0.7	1	1.9	0.4	

Table 21. Yield summary of the furrow irrigated regional variety test at Texas A&M AgriLife Research, Pecos

	2008	2009	2010	2011	2012	Average	Comp. Average*	
Designation	Five Year Average							
FiberMax 9058F	1209	859	850	685	613	843		
PhytoGen PHY 755 WRF	1100	954	1025	700	569	870		
	Four Year Average							
FiberMax FM 9170B2F		1078	888	983	535	871	946	
PhytoGen PHY 565 WRF		1056	999	827	685	892	967	
	Three Year Average							
Deltapine DP 0912 B2RF			1040	934	645	873	989	
Deltapine DP 1044 B2RF			723	1200	637	853	969	
Deltapine DP 1032 B2RF			850	842	551	748	864	
PhytoGen PHY 499 WRF			821	1166	794	927	1043	

\* Patterson, R.E. A method of adjustment for calculating comparable yields in variety tests.

Table 22. Production information for the irrigated performance test at Texas A&M AgriLife Research, Lubbock, TX 2012

Test:	Late Planted Variety
Planting Date:	June 11
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5pt/A applied pre-plant Caparol @ 1.2qt/A applied May 8 Medal @ 1pt/A applied July 13
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	4.5 acre inches pre-plant 2.7 acre inches July 1 2.9 acre inches July 19 2.4 acre inches July 31 <u>1.5 acre inches August 15</u> 14.0 acre inches total
Harvest Aids:	Boll'd @ 32oz/A and Def 6 @ 12oz/A applied October 10
Freeze Date:	October 8
Harvest Date:	November 27

Table 23. Results of the irrigated late planted variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties								% Open		Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll	Bolls 10/15/2012			
		Lint	Seed	Picked	Pulled								
Deltapine DP 1212 B2RF	694	23.9	40.2	36.6	27.2	4.9	9.8	6.1	29.1	76	4	26	
PhytoGen PHY 367 WRF	651	21.9	38.3	37.3	28.2	4.8	9.2	5.8	31.2	66	3	25	
Deltapine DP 104 B2RF	645	22.6	43.5	33.4	25.2	4.9	10.9	5.8	28.2	81	5	24	
FiberMax FM 9180B2F	623	21.7	41.0	34.8	26.0	5.0	11.0	6.2	28.0	80	6	24	
PhytoGen PHY 375 WRF	598	24.2	39.6	38.9	28.8	4.6	9.2	6.2	28.7	79	3	24	
Paymaster HS26	585	23.0	44.3	33.4	23.5	4.4	10.4	5.5	26.5	74	6	23	
Deltapine DP 1321 B2RF	507	24.5	40.4	38.0	29.2	4.4	8.9	5.7	28.7	70	4	23	
All-Tex Edge B2RF	504	23.3	41.4	34.5	25.9	4.9	9.6	5.4	31.1	76	6	23	
FiberMax FM 9250GL	481	22.1	41.3	34.6	25.4	5.0	10.4	5.9	29.5	50	6	24	
NexGen NG2051 B2RF	473	20.3	41.7	32.5	23.5	4.2	10.3	5.3	25.2	75	6	24	
FiberMax FM 989	470	21.0	38.7	34.9	26.3	5.1	9.9	5.6	31.7	36	5	25	
FiberMax FM 2011GT	435	23.1	40.9	39.9	29.0	5.5	11.0	7.6	28.3	58	6	22	
FiberMax FM 958	404	19.1	37.1	36.6	26.5	4.9	11.2	6.6	26.9	75	5	25	
Deltapine DP 0912 B2RF	402	20.4	36.7	36.4	28.2	5.2	10.3	6.3	30.0	53	5	26	
FiberMax FM 1944GLB2	377	20.3	38.7	36.1	27.7	5.5	10.8	6.3	31.5	54	5	25	
All-Tex ATX 981221501 B2RF	360	20.3	39.7	37.1	24.8	4.8	10.0	6.2	28.6	40	5	24	
FiberMax FM 1740B2F	358	23.2	38.9	38.5	27.2	3.8	8.7	5.8	25.6	55	5	21	
Deltapine DP 1311 B2RF	298	17.8	35.6	35.1	25.4	4.1	8.0	4.7	30.9	41	6	23	
PhytoGen PHY 499 WRF	289	19.3	36.3	37.1	29.0	4.9	10.1	6.4	28.4	33	5	26	
All-Tex ATX 784381 RF	284	17.0	32.4	37.3	28.6	4.7	9.4	5.9	29.2	39	5	25	
Mean	472	21.4	39.3	36.1	26.7	4.7	9.9	5.9	28.9	61	5	24	
c.v.%	30.3	8.1	6.1	2.2	4.6	8.5	5.8	5.6	7.4	29.1	13.4	11.3	
LSD 0.05	202	2.5	3.4	1.7	2.6	0.8	1.2	0.7	4.5	25	1	4	

Table 23A. Results of the irrigated late planted variety test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Deltapine DP 1212 B2RF	3.8	1.16	79.4	31.8	10.4	2	66.7	11.8	33-3,43-4
PhytoGen PHY 367 WRF	2.9	1.11	78.9	29.8	10.0	2	67.5	13.3	23-4,34-3
Deltapine DP 104 B2RF	2.9	1.14	81.2	32.0	11.3	1	71.7	11.8	23-2,32-4
FiberMax FM 9180B2F	3.2	1.15	80.5	31.5	9.4	1	74.0	10.6	22-1,33-1
PhytoGen PHY 375 WRF	2.9	1.09	79.3	28.6	9.3	1	70.2	12.3	23-4
Paymaster HS26	3.8	1.06	78.9	32.2	10.7	2	74.4	10.2	22-2,32-1
Monsanto 11R112B2R2	3.0	1.08	79.0	29.9	11.2	2	71.3	11.9	22-2,24-2
All-Tex Edge B2RF	3.3	1.12	78.4	30.0	9.2	1	72.0	11.5	23-2,23-4
FiberMax FM 9250GL	2.6	1.14	79.8	29.8	7.6	2	72.4	11.0	23-2,32-1
NexGen NG2051 B2RF	3.3	1.11	77.8	27.9	9.0	3	70.9	10.9	32-1,33-4
FiberMax FM 989	2.3	1.07	79.4	29.8	8.4	1	67.7	13.6	24-2,24-4
FiberMax FM 2011GT	2.7	1.08	77.9	29.5	9.3	2	72.2	11.9	22-1,24-2
FiberMax FM 958	2.5	1.11	80.2	33.7	8.3	2	67.7	13.3	24-2,34-2
Deltapine DP 0912 B2RF	3.0	1.08	80.1	30.5	10.0	1	64.4	14.2	34-3,34-4
FiberMax FM 1944GLB2	2.3	1.10	78.4	29.3	8.7	1	69.7	13.0	23-4,24-2
All-Tex ATX 981221501 B2RF	2.9	1.10	80.3	29.9	8.4	1	71.7	11.6	22-2,34-1
FiberMax FM 1740B2F	2.6	1.05	78.5	28.6	9.1	2	70.4	12.6	23-2,24-2
Monsanto 11R124B2R2	2.2	1.04	76.0	26.2	10.0	2	72.6	11.6	23-2,23-3
PhytoGen PHY 499 WRF	2.7	1.07	78.9	30.8	10.2	2	62.0	14.9	24-4,35-2
All-Tex ATX 784381 RF	2.4	1.12	79.0	28.6	9.4	2	67.5	13.1	24-2,34-1
Mean	2.8	1.10	79.1	30.0	9.5	1	69.8	12.2	
c.v.%	15.4	2.8	1.9	4.6	5.7	49.8	4.5	8.5	
LSD 0.05	0.9	0.07	3.2	2.9	1.1	2	6.6	2.2	

Table 24. Production information for the irrigated performance test at Texas A&M AgriLife Research, Lubbock, TX 2012

Test:	New Varieties and Strains
Planting Date:	May 7
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5pt/A applied pre-plant Caparol @ 1.2qt/A applied May 8 Medal @ 1pt/A applied July 13
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	4.5 acre inches pre-plant 2.3 acre inches June 3 2.7 acre inches July 1 2.9 acre inches July 19 2.4 acre inches July 31 <u>1.5 acre inches August 15</u> 16.3 acre inches total
Harvest Aids:	Boll'd @ 32oz/A and Def 6 @ 12oz/A applied October 10
Freeze Date:	October 8
Harvest Date:	November 28



Table 25. Results of the irrigated new varieties and strains test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/26/2012	Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll			
		Lint	Seed	Picked	Pulled							
FiberMax FM 989	940	22.3	41.1	35.7	26.9	5.1	10.5	6.2	29.3	78	4	22
PhytoGen PHX 4339-15 WRF	915	23.6	40.6	35.8	26.7	4.1	9.8	5.7	25.6	81	4	24
Bayer CropScience BX 1347GLB2	857	25.7	41.6	35.9	28.1	5.1	10.4	6.2	29.2	86	4	23
Acala 1517-08	806	21.7	42.0	34.4	25.9	5.2	11.3	6.2	28.7	74	3	27
All-Tex ATX CR 111548 B2RF	779	25.8	43.3	36.7	29.0	4.7	11.5	7.0	24.7	78	4	23
NM 11Q1525	762	22.1	41.6	35.5	28.0	5.1	10.9	6.3	28.8	80	3	24
All-Tex ATX CR106466 B2RF	761	23.1	44.5	33.7	26.9	5.0	10.0	5.4	31.4	85	5	23
Stoneville ST 6448GLB2	747	23.8	41.6	36.4	28.4	4.6	9.9	5.9	28.5	71	4	21
Paymaster HS26	739	23.3	44.5	31.9	25.0	4.6	10.8	5.3	27.2	89	6	20
PhytoGen PHX 4339-Cb WRF	702	24.4	43.8	37.2	28.8	4.7	9.8	6.1	28.9	76	4	22
All-Tex ATX 981221501 B2RF	654	25.0	44.5	37.5	28.0	5.2	11.0	7.1	27.7	79	5	24
NexGen NGX 2944B2RF	654	24.8	43.2	35.1	28.1	4.8	9.6	5.6	29.7	83	5	26
NexGen NGX 3016B2RF	654	24.3	43.4	34.6	27.0	4.6	9.2	5.3	29.9	83	5	26
All-Tex ATX 91239 B2RF	636	26.4	43.1	37.0	29.4	5.2	10.2	6.3	30.7	79	5	24
Stoneville ST 4946GLB2	626	26.1	44.5	36.1	28.6	5.0	10.4	6.3	28.9	76	5	24
PhytoGen PHX 3074 WRF	615	23.5	42.4	36.7	28.9	4.6	10.0	6.2	27.4	80	5	21
Monsanto 11R136B2R2	550	24.5	42.8	31.0	23.1	4.1	8.5	4.5	28.5	71	5	22
PhytoGen PHX 4339-06 WRF	521	24.3	40.8	37.8	30.1	4.6	9.3	6.0	29.0	81	3	21
Deltapine DP 1311 B2RF	489	22.6	40.0	38.0	28.4	4.4	8.4	5.6	30.2	81	5	22
All-Tex ATX 9WSCV156	470	23.5	44.5	37.8	30.0	5.1	10.3	6.6	29.0	76	5	23
All-Tex ATX CR103233 B2RF	439	23.7	39.5	37.9	28.3	4.5	9.2	5.9	28.8	73	5	19
NexGen NGX 3306B2RF	404	23.1	39.9	37.9	29.4	5.2	10.0	6.4	30.9	80	5	23
WE-62	399	22.9	43.2	35.2	25.8	5.9	11.6	6.6	31.6	76	4	23
06-C-79	385	23.9	42.3	37.0	29.2	5.4	10.5	6.6	30.3	84	5	21
Seed Source Genetics UA 103	379	24.1	43.1	35.5	27.0	4.9	10.3	5.9	29.4	81	4	20
NexGen NGX 3308B2RF	365	25.2	43.2	35.5	27.1	3.8	9.0	5.2	26.3	81	5	19
FiberMax FM 958	329	21.6	39.4	36.4	28.1	5.5	11.9	7.1	27.9	81	5	20
NM 11Q1420	305	19.6	43.4	32.0	24.3	4.3	10.5	5.2	26.5	80	4	19
Mean	600	23.7	42.3	35.9	27.7	4.8	10.1	6.0	28.7	79	4	22
c.v.%	20.7	7.2	5.1	5.2	6.5	8.1	4.3	8.7	4.9	7.5	17.8	14.3
LSD 0.05	256	2.4	3.0	3.8	3.7	0.8	0.9	1.1	2.9	8	1	4

All-Tex ATX 10WR585 RF, and Deltapine DP 1321 B2RF were dropped due to poor stand

Table 25A. Results of the irrigated new varieties and strains test at Texas A&M AgriLife Research, Lubbock 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 989	2.8	1.10	78.4	30.6	8.3	2	69.3	12.0	33-3
PhytoGen PHX 4339-15 WRF	3.1	1.11	78.5	28.3	9.5	1	72.3	10.5	31-1,33-3
Bayer CropScience BX 1347GLB2	3.5	1.10	78.5	26.4	7.6	2	72.6	10.2	31-2,33-3
Acala 1517-08	3.1	1.16	80.0	33.3	8.9	2	74.4	10.6	21-4,23-2
All-Tex ATX CR 111548 B2RF	3.6	1.16	80.9	31.4	10.8	1	75.3	9.3	31-3,32-1
NM 11Q1525	3.3	1.08	79.7	30.6	9.6	2	73.3	10.6	31-3,33-3
All-Tex ATX CR106466 B2RF	3.0	1.08	76.5	27.2	8.7	2	74.1	10.1	23-2,31-4
Stoneville ST 6448GLB2	3.6	1.14	79.6	28.2	7.8	1	76.9	8.3	31-1,41-1
Paymaster HS26	4.1	1.08	80.1	30.7	10.2	4	72.5	8.6	31-4,41-4
PhytoGen PHX 4339-Cb WRF	3.3	1.14	80.9	31.5	9.4	1	75.6	8.4	31-4,41-1
All-Tex ATX 981221501 B2RF	3.1	1.13	80.3	30.9	8.8	1	70.8	11.7	23-1,33-4
NexGen NGX 2621B2RF	3.3	1.06	77.7	29.2	9.6	1	73.0	10.6	32-1,33-1
NexGen NGX 3016B2RF	3.3	1.09	78.3	28.9	9.3	2	73.3	9.6	31-4,32-2
All-Tex ATX 91239 B2RF	3.4	1.12	78.2	29.5	9.7	3	74.9	9.1	31-4,32-1
Stoneville ST 4946GLB2	3.3	1.11	79.8	30.7	10.2	1	73.0	10.2	31-1,33-3
PhytoGen PHX 3074 WRF	3.2	1.10	78.2	29.3	9.8	2	70.0	11.3	33-2,33-3
Monsanto 11R136B2R2	3.2	1.13	77.1	28.9	9.1	1	76.3	8.0	31-2
PhytoGen PHX 4339-06 WRF	3.5	1.08	78.8	29.0	9.8	1	75.8	8.6	31-1,41-3
Monsanto 11R124B2R2	2.6	1.05	78.4	27.8	9.3	1	72.3	11.6	24-1,32-1
All-Tex ATX 9WSCV156	3.0	1.10	79.4	31.4	10.3	3	72.8	10.6	23-2,32-1
All-Tex ATX CR103233 B2RF	3.1	1.08	77.1	26.9	9.7	2	72.2	10.3	33-3,41-3
NexGen NGX 3306B2RF	3.5	1.15	80.9	29.8	9.4	2	73.7	9.6	32-1,32-2
WE-62	3.0	1.16	81.8	36.9	9.5	1	69.3	11.6	32-2,34-1
Wayne Smith #2	3.0	1.02	76.5	28.1	9.2	1	75.6	10.3	22-2
Seed Source Genetics UA 103	3.1	1.08	80.0	29.9	10.1	1	74.6	10.2	22-2,32-1
NexGen NGX 3308B2RF	3.3	1.15	79.7	31.7	10.0	1	74.6	9.3	31-3,32-2
FiberMax FM 958	3.4	1.11	80.0	33.1	8.2	2	72.4	10.6	32-1,33-4
NM 11Q1420	3.3	1.13	78.7	31.6	9.3	1	72.8	9.9	32-1,42-1
All-Tex ATX 10WR585 RF	2.3	1.08	78.6	27.4	8.4	1	67.5	13.6	24-2
Monsanto 11R112B2R2	3.8	1.09	78.2	31.1	10.6	2	73.7	9.7	31-4,32-1
Mean	3.2	1.10	79.0	30.0	9.3	1	73.1	10.1	
c.v.%	13.3	2.3	1.6	4.4	5.8	59.8	3.7	12.5	
LSD 0.05	0.9	0.05	2.6	2.7	1.1	2	5.6	2.6	

Table 26. Production information for furrow irrigated performance test at Texas A&M AgriLife Research, Halfway, TX 2012

Test:	Verticillium wilt
Planting Date:	May 9
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1 qt/A applied pre plant
Fertilizer:	120 lbs 32-0-0 applied June 20
Irrigations:	3.9 acre inches pre-plant 3.0 acre inches July 3 3.2 acre inches July 24 2.1 acre inches August 8 <u>1.9 acre inches August 21</u> 14.1 acre inches total
Insecticide:	Acephate @ 4oz/A applied June 4
Harvest Aids:	Firestorm @24oz/A +LI 700@ 1oz/A applied October 17
Harvest Date:	November 15
Freeze Date:	October 8

Table 27. Results of the irrigated Verticillium wilt trial at Texas A&M AgriLife Research, Halfway 2012

Designation	Yield	Agronomic Properties								% Open		Storm Resistance	Height	% Wilt	Defoliation
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll	10/1/2012					
		Lint	Seed	Picked	Pulled										
FiberMax FM 2989GLB2	1456	27.7	44.2	39.7	30.0	5.7	11.2	7.7	29.3	41	4	26	2.1	0.8275	
FiberMax FM 2011GT	1450	28.3	42.2	41.7	32.1	6.6	11.7	8.8	31.4	44	5	24	5.5	0.9825	
FiberMax FM 9170B2F	1401	29.0	44.6	39.1	30.3	5.3	10.9	7.3	28.3	35	5	26	1.5	0.7200	
FiberMax FM 9250GL	1349	27.9	44.9	40.4	32.2	6.2	12.0	8.5	29.4	34	6	26	2.2	0.5325	
PhytoGen PHY 367 WRF	1332	27.5	43.3	38.9	30.0	4.7	9.8	6.5	28.0	44	5	25	4.6	0.8100	
FiberMax FM 1944GLB2	1326	26.5	44.1	38.5	30.2	5.7	10.6	7.0	31.1	46	5	28	3.6	1.0475	
All-Tex Nitro 44 B2RF	1310	27.1	45.8	37.3	29.2	5.4	11.4	7.3	27.7	40	5	27	2.5	0.4250	
Deltapine DP 0912 B2RF	1306	27.2	43.5	37.2	33.5	6.1	10.2	6.5	35.0	34	4	25	7.7	0.9500	
Stoneville ST 4946GLB2	1302	28.0	42.7	38.3	30.0	6.0	11.2	7.4	31.1	25	6	26	5.5	0.8825	
Deltapine DP 1044 B2RF	1290	25.5	43.8	36.4	29.2	5.0	9.9	5.9	30.5	25	5	30	3.3	0.7475	
Bayer CropScience BX 1347GLB2	1256	26.7	41.9	39.0	30.0	5.4	10.9	7.4	28.6	38	7	26	0.5	0.4750	
PhytoGen PHY 499 WRF	1247	26.8	42.7	39.6	31.4	5.1	9.8	6.8	29.7	36	5	28	4.8	0.9875	
FiberMax FM 9058F	1241	27.1	44.9	37.3	27.8	5.5	11.7	7.3	28.1	33	7	25	6.7	0.7225	
Monsanto 11R154B2R2	1226	26.7	42.0	37.4	29.2	5.3	10.4	6.6	30.2	25	5	29	6.2	0.9550	
NexGen NG4111 RF	1214	26.1	42.5	38.8	29.6	5.6	11.1	7.4	29.5	25	6	27	2.2	0.4400	
Americot AM 1532 B2RF	1200	25.9	42.2	37.8	29.3	5.2	10.1	6.6	30.0	36	6	25	2.8	0.6250	
Deltapine DP 1212 B2RF	1186	28.3	45.1	39.9	31.1	5.2	10.5	7.3	28.1	49	5	25	10.5	0.9225	
NexGen NG2051 B2RF	1185	25.4	44.0	35.9	26.9	5.0	10.7	6.3	28.5	41	6	26	1.6	0.6300	
FiberMax FM 2484B2F	1183	27.1	43.5	37.3	28.7	5.0	11.0	6.9	27.0	38	6	26	1.5	0.6350	
All-Tex ATX 10WR585 RF	1175	28.4	42.0	40.1	30.5	5.5	10.1	7.1	31.0	29	5	26	4.9	0.9475	
Deltapine DP 1219 B2RF	1173	27.3	43.1	37.0	29.0	4.8	9.9	6.2	28.5	25	5	29	1.9	0.8275	
All-Tex ATX 9CR253 B2RF	1171	26.5	41.1	40.4	31.5	5.3	10.3	7.4	29.1	34	6	27	6.1	1.0150	
Monsanto 11R136B2R2	1152	26.6	41.9	38.6	28.3	5.1	10.2	6.7	29.4	25	5	28	6.2	1.0450	
Stoneville ST 6448GLB2	1148	25.9	42.8	36.1	27.6	4.7	10.1	6.0	28.3	33	4	27	1.4	0.8550	
Deltapine DP 1321B2RF	1139	27.2	42.1	40.7	32.8	4.9	10.3	7.5	27.0	33	5	26	4.1	0.8150	
Deltapine DP 1359 B2RF	1116	26.6	40.8	38.6	30.1	5.0	9.6	6.4	30.2	23	5	29	3.5	0.6850	
All-Tex Edge B2RF	1114	26.8	44.2	37.9	28.5	4.8	10.0	6.5	27.7	31	7	25	3.2	0.7800	
CA 4002	1081	25.3	47.9	34.0	25.7	5.5	11.1	6.1	30.6	30	6	25	1.2	0.5000	
07-21-309-P	1056	24.2	43.9	35.7	26.8	5.5	10.8	6.3	31.1	26	5	26	1.8	0.9075	
Seed Source Genetics SSG HQ 210 CT	1053	26.3	46.0	33.3	25.5	5.1	9.6	4.9	34.5	40	5	25	8.2	1.0350	

Table 27. Results of the irrigated Verticillium wilt trial at Texas A&M AgriLife Research, Halfway 2012

Designation	Yield	Agronomic Properties								% Open Bolls 10/1/2012	Storm Resistance	Height	% Wilt	Defoliation
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll					
		Lint	Seed	Picked	Pulled									
Seed Source Genetics UA 222	1051	27.2	43.5	39.2	30.8	5.6	11.4	7.8	28.4	30	5	24	5.1	0.7625
All-Tex ATX 7A21	1045	25.9	41.4	39.2	29.6	5.5	10.7	7.3	29.7	44	5	26	4.0	1.1025
All-Tex ATX 981221501 B2RF	1002	26.0	42.4	39.6	28.7	5.5	12.0	8.2	26.8	36	5	26	7.2	0.9000
All-Tex ATX 784381 RF	994	25.4	42.0	38.2	27.5	5.0	9.6	6.3	30.1	39	5	27	11.1	1.0950
NexGen NG1551 RF	977	25.1	44.6	38.0	28.9	5.2	10.9	7.0	28.3	38	4	26	5.1	0.7580
Deltapine DP 1311 B2RF	845	25.1	39.6	38.4	29.9	4.8	9.4	6.3	28.8	28	6	26	7.6	1.0000
Mean	1188	26.7	43.2	38.2	29.5	5.3	10.6	6.9	29.5	34	5	26		
c.v.%	13.1	3.9	2.8	3.1	5.0	6.2	3.7	4.0	6.2	26.4	13.6	6.6	6.4	0.3400
LSD 0.05	218	1.5	1.7	2.4	3.0	0.7	0.8	0.6	3.7	13	1	2		

Table 27A. Results of the irrigated Verticillium wilt trial at Texas A&M AgriLife Research, Halfway 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
FiberMax FM 2989GLB2	3.8	1.14	79.6	30.6	7.7	2	74.2	7.4	31-2,51-1
FiberMax FM 2011GT	3.4	1.11	79.7	31.7	9.1	2	78.1	7.6	31-1,41-1
FiberMax FM 9170B2F	3.2	1.17	80.5	34.0	8.9	2	79.9	7.9	31-1
FiberMax FM 9250GL	3.9	1.13	78.8	30.3	8.5	2	78.2	7.8	31-1,41-1
PhytoGen PHY 367 WRF	3.8	1.09	79.2	29.7	9.6	3	75.1	8.7	31-3,41-3
FiberMax FM 1944GLB2	3.7	1.13	80.1	30.0	7.9	2	78.2	7.6	31-1,41-1
All-Tex Nitro 44 B2RF	3.7	1.19	82.8	35.0	10.4	2	75.2	8.0	41-1
Deltapine DP 0912 B2RF	3.8	1.07	79.3	30.7	10.1	1	75.4	8.6	31-2,41-1
Stoneville ST 4946GLB2	3.9	1.14	80.7	32.5	10.5	2	75.7	8.6	31-2,31-4
Deltapine DP 1044 B2RF	3.8	1.12	80.1	32.0	11.4	2	77.0	8.4	31-1,31-2
Bayer CropScience BX 1347GLB2	4.1	1.13	79.9	29.3	7.3	2	75.3	7.5	41-1,41-2
PhytoGen PHY 499 WRF	3.5	1.13	81.3	33.3	10.3	3	76.3	8.2	31-2,41-1
FiberMax FM 9058F	3.1	1.16	79.8	30.9	7.5	2	78.6	8.2	31-1
Monsanto 11R154B2R2	3.4	1.13	78.9	33.2	9.4	1	78.6	8.7	21-1,31-1
NexGen NG4111 RF	3.4	1.12	80.6	35.4	9.8	1	73.0	10.1	31-4,33-1
Americot AM 1532 B2RF	4.0	1.08	76.9	29.4	9.9	2	76.2	9.2	31-1,31-3
Deltapine DP 1212 B2RF	3.8	1.13	81.1	32.8	11.2	2	76.3	9.0	31-3
NexGen NG2051 B2RF	4.0	1.11	79.8	30.1	8.8	3	75.4	7.9	41-1
FiberMax FM 2484B2F	3.7	1.18	80.2	32.8	8.3	2	77.4	7.7	31-2,41-1
All-Tex ATX 10WR585 RF	3.4	1.14	78.8	30.6	8.8	1	78.6	8.2	31-1
Deltapine DP 1219 B2RF	3.8	1.18	80.9	33.9	9.5	2	76.2	8.5	31-1,41-1
All-Tex ATX 9CR253 B2RF	4.4	1.10	80.7	31.4	9.3	1	75.5	8.5	31-1,41-3
Monsanto 11R136B2R2	3.1	1.19	81.0	32.8	9.7	2	77.7	8.6	31-1,31-2
Stoneville ST 6448GLB2	3.5	1.14	79.6	29.2	8.3	2	78.8	7.9	31-1
Monsanto 11R112B2R2	4.0	1.12	80.7	33.4	11.1	2	76.9	9.0	21-2,31-4
Monsanto 11R159B2R2	3.9	1.12	78.2	31.3	9.2	2	76.9	8.8	31-1
All-Tex Edge B2RF	3.7	1.12	79.4	32.2	9.5	2	76.3	8.5	31-1,41-3
CA 4002	3.7	1.14	81.1	33.9	9.8	2	78.1	8.2	31-1
07-21-309-P	3.1	1.16	80.6	34.9	9.5	3	77.2	8.2	31-1,41-1
Seed Source Genetics SSG HQ 210 CT	3.9	1.09	78.5	32.0	9.8	2	76.2	8.5	31-1,41-1

Table 27A. Results of the irrigated Verticillium wilt trial at Texas A&M AgriLife Research, Halfway 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Leaf	Rd	+b	Color Grade
Seed Source Genetics UA 222	3.5	1.17	80.7	34.0	9.4	1	75.5	8.3	31-2,41-1
All-Tex ATX 7A21	3.4	1.15	80.0	30.9	9.3	2	79.6	8.2	21-2,31-1
All-Tex ATX 981221501 B2RF	4.1	1.14	81.9	32.4	8.4	2	76.3	8.7	31-1,31-2
All-Tex ATX 784381 RF	3.0	1.13	79.5	30.7	9.6	3	77.1	8.5	31-1,31-3
NexGen NG1551 RF	4.5	1.08	80.9	32.4	8.7	2	73.7	8.9	32-2,41-3
Monsanto 11R124B2R2	3.2	1.11	78.4	29.8	10.4	2	78.8	8.4	31-1,31-1
Mean	3.6	1.13	80.0	31.9	9.3	2	76.7	8.3	
c.v.%	9.0	2.6	1.7	4.2	6.3	40.1	2.3	5.1	
LSD 0.05	0.7	0.06	2.7	2.7	1.2	1	3.5	0.9	

Table 28. Production information for pivot irrigated performance test at the AG-CARES farm, Lamesa, TX 2012

Test:	Nematode Variety
Planting Date:	May 24
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5 pt/A applied pre-plant
Fertilizer:	10-34-0 116bs/A applied pre-plant 32-0-0 30 lbs/A applied June 27 (fertigation) 32-0-0 30 lbs/A applied July 14 (fertigation) 32-0-0 30 lbs/A applied July 24 (fertigation)
Irrigations:	2.75 acre-in applied pre-plant 8.8 acre-in applied May-September
Harvest Aids:	Prep @ 3pt/A + 2oz e.t. October 3 Gramoxone Inteon 1qt/A October 17
Harvest Date:	October 30



Table 29. Results of the pivot irrigated nematode variety trial at the AG-CARES farm, Lamesa 2012

Designation	Yield	Agronomic Properties								% Open		Storm Resistance	Height
		% Turnout		% Turnout		Boll Size	Seed Index	Lint Index	Seed per Boll	Bolls 10/5/2012			
		Lint	Seed	Picked	Pulled								
Deltapine DP 1219 B2RF	1410	31.3	47.7	38.2	30.1	4.3	8.9	5.8	28.1	65	4	26	
Stoneville 5458B2RF	1359	30.4	48.4	37.9	29.1	4.7	9.8	6.4	28.0	54	4	23	
Stoneville ST 4946GLB2	1331	31.4	47.7	39.2	30.0	4.8	9.9	6.7	27.9	58	5	25	
PhytoGen PHY 499 WRF	1302	30.3	46.6	39.7	30.1	4.2	8.9	6.3	26.5	78	4	27	
Stoneville ST 4288B2F	1277	28.3	50.0	36.2	28.3	5.1	10.5	6.3	29.4	69	5	24	
Bayer CropScience BX 1347GLB2	1258	30.6	47.0	37.7	27.7	4.4	9.1	6.0	27.8	61	5	24	
FiberMax FM 2011GT	1258	30.5	45.9	41.6	33.3	5.7	10.9	8.2	29.1	65	6	23	
FiberMax FM 1944GLB2	1256	29.5	49.3	37.9	29.8	5.0	10.3	6.6	28.4	71	5	26	
All-Tex Nitro 44 B2RF	1241	29.4	49.3	37.2	29.2	5.0	10.6	6.7	27.8	63	4	26	
Americot AM 1511B2RF	1239	32.0	46.7	40.5	31.8	4.6	9.6	6.9	26.9	65	4	25	
Deltapine DP 1044 B2RF	1238	28.6	45.4	36.3	28.3	4.5	9.4	5.7	28.5	56	5	25	
Deltapine DP 0912 B2RF	1181	31.0	46.3	39.1	29.1	4.4	9.4	6.4	27.0	66	4	24	
FiberMax FM 2989GLB2	1177	29.4	49.3	36.7	28.3	4.7	10.3	6.3	27.3	66	5	26	
All-Tex AT Atlas	1175	30.2	47.4	40.0	29.3	4.8	9.6	6.8	28.3	74	5	27	
Deltapine DP 174 RF	1174	30.1	46.6	39.2	30.4	4.9	9.2	6.3	30.4	71	4	26	
Deltapine DP 1321 B2RF	1151	30.6	46.9	40.4	31.1	4.3	9.0	6.5	26.7	68	4	24	
All-Tex ATX CR106466 B2RF	1144	29.1	49.9	36.7	28.7	4.6	9.6	5.9	29.0	70	5	25	
Deltapine DP 1311 B2RF	1114	31.5	45.5	40.7	31.6	4.4	7.9	5.7	30.8	74	6	24	
NexGen NG4111 RF	1104	30.5	48.5	38.2	28.8	4.5	9.7	6.3	27.3	56	5	25	
Stoneville ST 6448GLB2	1098	28.6	46.8	37.6	29.4	4.6	9.7	6.1	28.6	70	4	27	
PhytoGen PHY 367 WRF	1086	29.5	46.5	38.2	28.2	4.1	8.7	5.7	27.1	68	4	24	
NexGen NG4012 B2RF	1066	29.7	47.4	38.6	30.0	4.7	9.4	6.2	29.7	51	5	27	
All-Tex ATX CR103233 B2RF	1060	30.3	46.2	39.1	28.7	4.3	8.8	6.0	27.9	63	6	26	
Stoneville ST 5445LLB2	1042	29.8	45.3	39.9	30.0	4.7	9.7	6.8	27.7	53	4	21	
Mean	1197	30.1	47.4	38.6	29.6	4.6	9.5	6.3	28.2	65	4	25	
c.v.%	10.2	3.1	3.0	2.4	4.7	5.5	4.1	4.2	4.7	12.1	13.5	9.5	
LSD 0.05	172	1.3	2.0	1.9	2.9	0.5	0.8	0.5	2.7	11	1	3	

Table 29A. Results of the pivot irrigated nematode variety test at the AG-CARES farm, Lamesa 2012

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Rd	+b	Leaf	Color Grade
Deltapine DP 1219 B2RF	4.3	1.16	80.5	32.5	8.8	74.8	8.0	1	41-1
Stoneville 5458B2RF	4.6	1.09	79.3	31.4	9.1	73.8	9.2	2	31-4,32-2
Stoneville ST 4946GLB2	4.4	1.08	80.0	31.0	9.8	72.9	9.3	2	31-4,42-1
PhytoGen PHY 499 WRF	4.3	1.11	81.4	33.5	10.4	74.6	8.7	2	31-4,41-3
Stoneville ST 4288B2F	4.5	1.12	80.7	29.8	9.7	75.4	8.9	2	31-3,31-4
Bayer CropScience BX 1347GLB2	4.5	1.12	80.4	28.0	7.8	74.3	7.7	3	41-1,41-2
FiberMax FM 2011GT	4.1	1.11	80.8	31.5	8.7	76.1	8.4	3	31-2
FiberMax FM 1944GLB2	4.0	1.13	80.6	30.4	7.9	76.2	7.5	2	31-2,41-1
All-Tex Nitro 44 B2RF	3.7	1.14	80.0	33.8	10.2	74.0	7.9	4	41-1
Americot AM 1511B2RF	4.5	1.07	80.4	32.1	11.2	73.4	9.0	3	32-2,41-3
Deltapine DP 1044 B2RF	4.4	1.10	80.5	30.4	11.0	75.6	8.4	2	31-1,41-3
Deltapine DP 0912 B2RF	4.9	1.05	80.7	30.6	9.6	73.3	8.5	2	41-3
FiberMax FM 2989GLB2	4.5	1.09	79.8	30.7	7.2	74.3	8.2	2	41-1
All-Tex AT Atlas	4.5	1.05	80.2	28.1	9.0	73.4	8.8	1	31-4,41-4
Deltapine DP 174 RF	4.1	1.11	80.2	30.7	8.9	75.9	8.8	3	31-3
Monsanto 11R112B2R2	4.8	1.09	81.3	31.8	11.5	72.3	9.1	2	41-1,42-2
All-Tex ATX CR106466 B2RF	4.2	1.03	78.4	27.7	8.8	73.5	8.7	3	41-1,41-2
Monsanto 11R124B2R2	4.1	1.07	81.1	30.9	10.3	76.4	8.3	3	31-1,41-1
NexGen NG4111 RF	4.6	1.08	80.9	32.4	9.8	74.3	9.9	2	32-1
Stoneville ST 6448GLB2	4.2	1.15	80.4	29.8	8.3	74.6	8.6	2	31-4,41-3
PhytoGen PHY 367 WRF	4.3	1.06	79.9	28.8	9.5	74.5	9.6	2	32-1,31-2
NexGen NG4012 B2RF	4.5	1.08	80.6	30.2	8.0	74.3	9.4	2	32-1,42-1
All-Tex ATX CR103233 B2RF	4.1	1.10	78.2	27.8	9.0	74.0	8.4	3	31-4,41-2
Stoneville ST 5445LLB2	4.5	1.11	80.4	31.2	9.3	72.3	9.2	3	41-3,42-1
Mean	4.3	1.09	80.2	30.6	9.3	74.3	8.7	2	
c.v.%	3.7	1.5	1.1	3.7	5.5	2.0	3.2	34.7	
LSD 0.05	0.3	0.03	1.8	2.3	1.1	3.0	0.6	2	

Table 30. Production information for the irrigated performance test at Texas A&M AgriLife Research, Lubbock, TX 2012

Test:	Bacterial Blight
Planting Date:	May 4
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.5pt/A applied pre-plant Caparol @ 1.2qt/A applied May 8
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	5.1 acre inches pre-plant 1.2 acre inches June 7 3.2 acre inches June 30 3.3 acre inches July 13 2.6 acre inches July 26 <u>2.3 acre inches August 9</u> 17.7 acre inches total
Freeze Date:	October 8

Table 31. Ratings of the Bacterial Blight variety screening at Texas A&M AgriLife Research, Lubbock 2012

<u>Designation</u>	<u>%Blight</u>	<u>Rating</u>
Stoneville ST 6448GLB2	0	Resistant
Deltapine DP 0920 B2RF	0	Resistant
FiberMax FM 9170B2F	0	Resistant
PhytoGen PHY 375 WRF	0	Resistant
All-Tex Nitro 44 B2RF	1	Resistant
Deltapine DP 1133 B2RF	1	Resistant
Monsanto 11R159B2R2	9	Resistant
Deltapine DP 1032 B2RF	15	Partially resistant
Bayer CropScience BX 1347GLB2	88	Susceptible
Stoneville ST 4946GLB2	95	Susceptible
FiberMax FM 1944GLB2	95	Susceptible
All-Tex ATX 9CR253 B2RF	100	Susceptible
All-Tex ATX 784381 RF	100	Susceptible
PhytoGen PHY 367 WRF	100	Susceptible
PhytoGen PHY 499 WRF	100	Susceptible