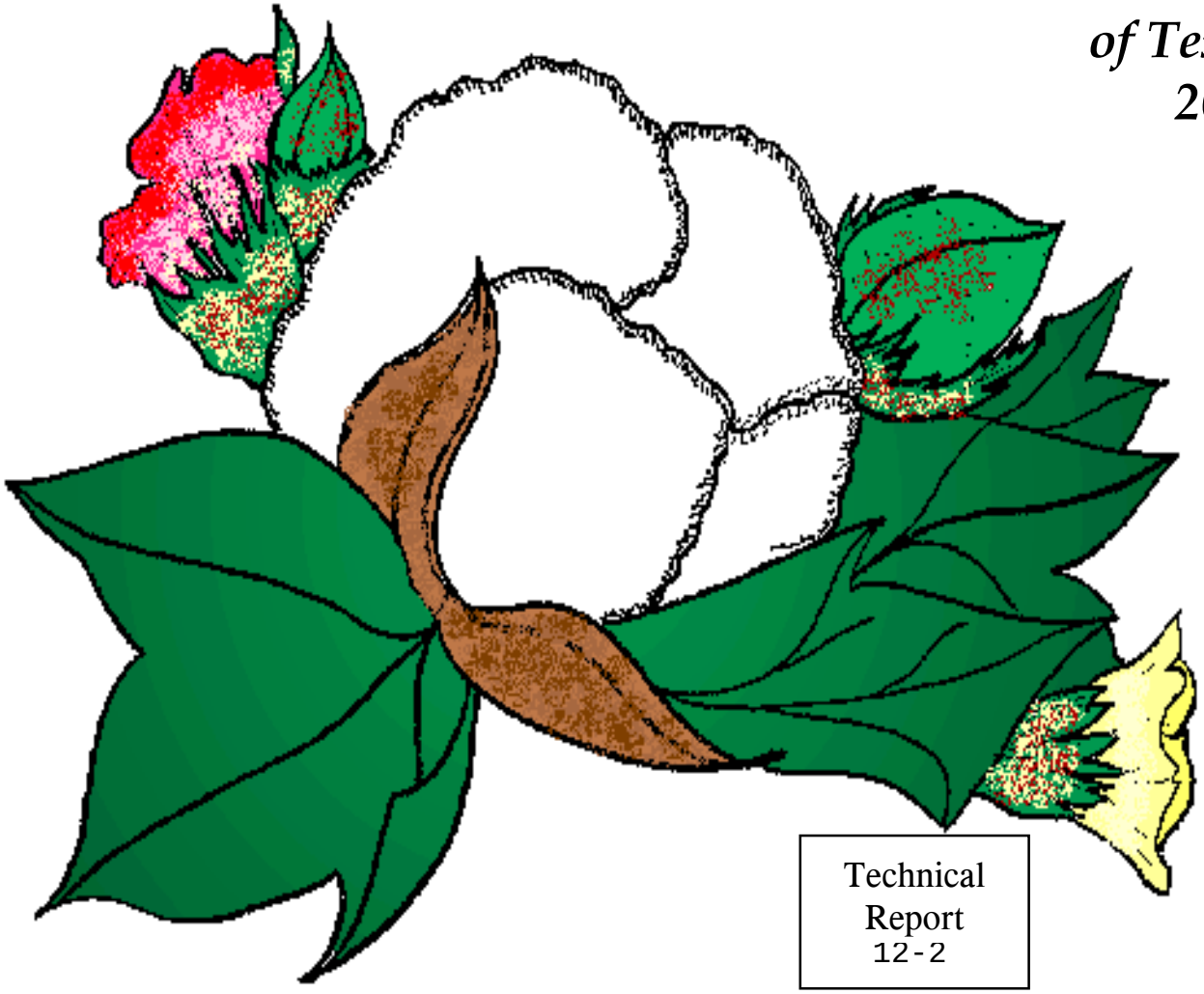
COTTON PERFORMANCE TESTS

in the Texas High Plains and Trans Pecos Areas of Texas 2011



Technical Report 12-2

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Cotton Performance Tests in the Texas High Plains and Trans-Pecos Areas of Texas 2011[1/]

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INTRODUCTION

Cotton performance trials were conducted during 2011 at Lubbock, Halfway, and Pecos, Texas AgriLife Research Stations. 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.

West Texas suffered through its worst drought in recorded history during 2011, and subsequently the cotton crop reflected it. In the South Plains and Panhandle regions of Texas approximately 4.61 million acres of cotton were planted, of which 1.74 million acres were harvested. Thus, only 38% of the planted cotton made it to harvest; not a single acre of dryland cotton is thought to have been harvested in 2011.

Conditions during early to mid-May were dry and cool, and cold soil temperatures deterred much planting. Incessant winds quickly dried the soil. Drip irrigated fields were especially hurt by the dry conditions where they could not get moisture up and over to the seed. Most drip irrigated fields did not have the capabilities to row water. In late May and June conditions turned extremely hot and windy, further exasperating the droughty conditions. As cotton began to bloom growers had difficulty meeting water demand. Evapotranspiration often exceeded 0.6-inch per day and very few pivots were able to meet this demand. Cotton in the Panhandle fared better than on the South Plains simply because of high irrigation capacity. Many growers had to abandon corn which released water for cotton. The dry, hot weather continued into August and although some isolated precipitation did occur, it was too little too late.

Because of the abnormally hot weather, the cotton crop received a good amount of heat units which resulted in an earlier than normal harvest. Quite a few acres where harvested in September. Although the crop was harvested earlier than normal, it returned lint with high micronaire. Yields were negatively impacted by the drought averaging 485 lbs/ac in the South Plains. Areas of the Panhandle with sufficient irrigation capacity did better averaging 569 lbs/ac.

Disease and nematode issues were not as serious in 2011 as during most years, simply because the drought. However, nematode tolerant varieties, along with early-season applications of Vydate did result in increased yield in most cases.

Glyphosate resistant pigweeds were confirmed in the Texas South Plains in 2011. The extent of the problem is not certain but efforts are underway to mediate and prevent its spread.

Early-season thrips pressure was light to moderate across the region, isolated to small areas. Some areas saw almost no thrips whereas others, sometimes close by, had severe problems. The most prevalent thrips species on the South Plains was easily controlled onion thrips, while the Panhandle saw mixed populations of onion and the more difficult to control, western flower thrips. The only cotton that suffered much damage and yield loss from thrips was that which was planted in early May. Because of the excessive heat the remaining cotton had fewer thrips and was able to outgrow what little damage it suffered.

Spider mites were evident upon plant emergence from Midland to Muleshoe, also in the Lubbock area and south, they progressed into bloom. Over 15,000 acres were infested with

mites, about 7,000 of which were treated. Cotton fleahoppers, Lygus and stinkbugs were almost non-existent. Aphids were common in mid-July through mid-August, but never developed treatable populations.

Most non-Bt cotton failed along with the dryland, but some Lepidopterous pest were problematic in irrigated non-Bt cotton in the southwestern portion of the South Plains. These included bollworms and fall armyworms. Worms were not a problem in any Bt cotton fields.

The most severe pest problem experienced in 2011 was *Kurtomathrips morrilli*. This is a little known thrips that has never been reported damaging cotton in Texas. It was first detected in late-July in Gaines County and it quickly spread as far north as southern Bailey County and east to southwestern Crosby County. It infested an estimated 330,000 acres, 83,000 acres of which were treated with insecticides. Losses and control cost due to this pest were estimated at about $20 million. This thrips was capable of destroying a cotton crop within a week of its detection. Drought stressed cotton was extremely sensitive to this pest.

ACKNOWLEDGMENTS

Fiber properties were measured at the Fiber and Biopolymer Research Institute, Texas Tech University, with financial support from Texas Department of Agriculture.

Plains Cotton Improvement Program 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 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: Reagan Anders, Joel Arce, Troy Arce, Mark Arnold, Aaron Bost, Natalia Castillo, Trey Cutts, Heather Flippin, Johnny Fuentes, Mitch Juenke, Brad Harris, Carol Kelly, Cherie Lollis, Jimmy Mabry, Nick Macha, Juliana Osorio-Marin, Kim Peters, Alexa Roberts, Monica Sheehan, Raymond Tillis, Dylan Wann, Leslie Wells, and Ruben Zamora. Bacterial blight, Verticillium wilt, and nematode ratings were performed Dr. Terry Wheeler, with the assistance of Garrett Clark and Victor Mendoza. 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 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.

[1/]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

Temik- registered trademark of Bayer CropScience

Treflan-trademark of Dow AgriScience

Folex-registered trademark of Amvac

Prep and Def-trademarks of Bayer CropScience

Prowl-trademark of BASF

Boll'd-registered trademark of Winfield Solutions

Cornerstone-registered trademark of AgriSolutions

Intrepid-registered trademark of Dow AgriScience

Intruder-registered trademark of Dupont

ET-registered trademark of Nichino America Inc.

NOTES

Table 1. Production information for furrow irrigated performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	Uniform Variety
Planting Date:	May 5
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1.5 pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	8.4 acre inches applied pre-plant 2.2 acre inches applied May 27 2.1 acre inches applied June 12 1.9 acre inches applied June 16 2.4 acre inches applied June 27 2.2 acre inches applied July 11 2.3 acre inches applied July 26 2.0 acre inches applied August 9 2.2 acre inches applied August 21 25.7 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Boll'd + ET @ 1qt/A + 2 oz/A applied September 27 Gramoxone @ 24oz/A applied October 10
Harvest Date:	November 10
Freeze Date:	October 27

Table 2. Results of the furrow irrigated uniform variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/22/2011	Resistance	Height
Stoneville ST 4145LLB2	1051	26.9	44.3	38.4	30.6	4.9	10.5	6.9	27.6	60	4	28
FiberMax FM 2989GLB2	1030	28.9	45.6	37.5	30.2	5.7	11.2	7.2	29.6	41	4	29
FiberMax FM 2011GT	1009	29.7	43.1	38.3	30.7	6.3	11.7	7.9	30.6	36	5	28
Stoneville ST 5458B2RF	995	30.3	46.7	38.4	32.2	5.7	10.8	7.1	30.8	61	5	26
Monsanto 11R159B2R2	971	31.0	44.5	38.6	31.8	5.0	8.4	5.8	32.8	45	5	27
Deltapine DP 1219 B2RF	949	29.2	42.9	40.0	33.0	4.7	8.5	5.9	31.7	50	3	25
All-Tex AT Epic RF	930	29.1	44.9	39.0	32.0	5.9	10.5	7.1	32.1	43	4	29
LA07307025	926	28.5	41.9	39.0	31.7	4.9	9.4	6.5	29.5	59	4	29
Deltapine DP 1044 B2RF	917	28.7	45.5	39.4	32.7	4.6	9.3	6.3	28.8	45	4	26
Deltapine DP 1133 B2RF	891	27.4	38.1	38.7	30.1	5.2	9.4	6.4	31.4	33	3	30
FiberMax FM 9101GT	883	28.8	45.3	35.8	29.3	5.6	11.2	6.9	30.1	49	5	27
All-Tex Nitro 44 B2RF	877	28.0	46.0	38.5	32.0	5.1	10.5	6.7	28.8	61	4	26
Monsanto 10R020B2R2	874	30.4	44.9	37.8	31.0	6.1	11.1	7.2	32.2	35	4	29
PhytoGen PHY 367 WRF	873	26.3	41.1	37.5	30.9	5.2	9.9	6.5	29.8	68	3	26
PhytoGen PHY 499 WRF	860	29.5	40.4	42.4	34.8	5.1	9.4	7.2	29.7	55	4	28
Deltapine DP 1212 B2RF	859	27.8	43.6	38.1	31.4	5.5	10.0	6.7	31.1	64	5	24
NexGen NG4111 RF	854	28.2	45.3	38.3	31.7	5.2	10.2	6.6	30.1	49	5	28
LA1110017	853	26.1	47.3	33.0	26.8	5.8	11.1	5.9	32.4	31	4	30
Monsanto 10R051B2R2	844	28.7	43.1	37.3	29.1	5.1	9.1	6.1	31.2	35	5	30
Croplan Genetics CG 3156B2RF	836	28.0	42.5	39.8	31.8	4.7	9.6	6.8	27.5	44	5	28
All-Tex Edge B2RF	835	27.4	46.9	38.9	32.4	5.0	10.0	6.4	30.2	61	6	27
FiberMax FM 9103GT	833	28.5	45.6	36.4	30.3	6.2	11.1	6.8	32.9	53	5	27
Seed Source Genetics SSG 210 CT	823	28.1	46.0	36.6	31.0	5.2	9.5	5.6	33.7	51	4	26
Deltapine DP 0912 B2RF	821	27.1	42.3	39.3	32.9	5.6	10.1	6.9	32.0	58	3	28
Tamcot 73	821	26.3	46.1	35.0	28.2	5.4	10.8	6.2	30.0	48	5	26
FiberMax FM 9180B2F	804	26.2	45.2	34.9	28.1	5.7	11.6	6.5	30.6	54	6	27
NexGen NG4012 B2RF	785	31.2	47.1	37.4	30.6	5.3	9.8	6.2	32.0	64	6	27
PhytoGen PHY 375 WRF	762	28.0	43.2	38.9	31.8	4.8	9.5	6.5	28.9	58	3	27
All-Tex Dinero B2RF	755	26.1	41.1	36.7	30.3	5.4	10.1	6.3	31.1	56	4	26
FiberMax FM 1740B2F	752	28.5	43.8	39.3	31.9	5.7	10.2	7.1	31.5	60	5	24

Table 2. Results of the furrow irrigated uniform variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/22/2011	Resistance	Height
NexGen NG3348 B2RF	722	27.4	45.1	37.3	31.2	5.3	11.0	6.9	28.9	65	5	23
Deltapine DP 0924 B2RF	717	27.6	43.2	37.0	30.5	5.5	10.4	6.4	31.3	44	4	29
NexGen NG4010 B2RF	715	27.0	46.0	39.1	32.8	5.1	9.8	6.4	30.9	66	5	28
FiberMax FM 9058F	711	27.1	45.5	35.2	28.5	5.4	10.7	6.2	30.5	39	6	27
FiberMax FM 9170B2F	675	28.3	44.6	37.7	31.5	5.2	10.6	6.8	28.8	58	5	25
NexGen NG2051B2RF	671	24.4	46.1	33.8	27.4	5.0	10.4	5.7	29.8	51	6	27
Croplan Genetics CG 3787B2RF	665	29.4	42.0	39.4	31.9	5.0	8.9	6.3	30.8	50	4	23
FiberMax FM 9250GL	654	26.6	48.0	36.1	29.6	5.9	11.7	6.9	30.5	51	6	28
LA07307111	628	29.2	47.6	36.4	30.7	5.3	10.2	6.3	30.2	66	4	25
FiberMax FM 2484B2F	624	29.6	44.4	37.3	31.0	5.0	10.3	6.7	27.5	56	6	24
PhytoGen PHY 725 RF	579	23.2	43.5	35.1	28.8	5.5	10.8	6.2	30.9	53	4	28
Deltapine DP 1032 B2RF	532	28.0	41.9	39.3	32.1	5.1	9.3	6.3	31.9	50	3	28
Deltapine DP 1252 B2RF	449	31.1	42.0	40.2	31.6	5.1	8.9	6.5	31.4	38	4	30
UA 48	442	25.2	44.7	36.9	29.9	5.4	11.1	6.7	29.6	44	4	22
Mean	797	28.0	44.4	37.6	30.8	5.3	10.2	6.5	30.6	51	4	26
c.v.%	19.7	4.5	4.3	4.7	4.7	4.0	3.5	5.8	4.0	27.2	18.7	10.3
LSD 0.05	220	1.8	2.7	3.5	2.9	0.4	0.7	0.8	2.5	19	1	4
Seed Source Genetics SSG 212 CT was dropped due to poor stand		28.4	48.4	34.8	29.0	5.3	9.5	5.5	33.9	53	5	27

Table 2A. Results of the furrow irrigated uniform variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
Stoneville ST 4145LLB2	4.6	1.11	81.8	28.5	6.9
FiberMax FM 2989GLB2	4.9	1.08	80.1	28.5	6.1
FiberMax FM 2011GT	4.7	1.11	81.0	30.8	6.1
Stoneville ST 5458B2RF	5.1	1.08	80.0	29.1	7.7
Monsanto 11R159B2R2	4.6	1.10	79.3	29.8	7.2
Deltapine DP 1219 B2RF	4.7	1.10	79.0	30.3	7.4
All-Tex AT Epic RF	4.8	1.07	80.9	29.4	8.8
LA07307025	4.9	1.10	81.4	31.4	7.6
Deltapine DP 1044 B2RF	4.6	1.10	81.1	30.3	9.3
Deltapine DP 1133 B2RF	4.7	1.10	81.9	30.6	8.8
FiberMax FM 9101GT	4.7	1.10	81.4	29.4	5.8
All-Tex Nitro 44 B2RF	4.6	1.09	80.3	28.1	7.3
Monsanto 10R020B2R2	5.2	1.05	81.2	27.1	7.2
PhytoGen PHY 367 WRF	4.6	1.08	81.1	29.4	8.3
PhytoGen PHY 499 WRF	4.8	1.08	81.5	31.1	9.2
Deltapine DP 1212 B2RF	5.0	1.12	81.9	31.5	9.4
NexGen NG4111 RF	4.5	1.07	80.5	29.9	7.9
LA1110017	4.6	1.16	82.6	33.9	7.6
Monsanto 10R051B2R2	4.5	1.11	82.0	28.7	9.0
Croplan Genetics CG 3156B2RF	4.2	1.06	79.5	27.5	7.1
All-Tex Edge B2RF	4.9	1.08	80.3	30.9	7.5
FiberMax FM 9103GT	4.7	1.06	80.1	29.6	7.4
Seed Source Genetics SSG 210 CT	4.9	1.07	79.7	30.0	7.3
Deltapine DP 0912 B2RF	5.1	1.05	80.6	29.0	7.9
Tamcot 73	5.0	1.15	82.4	33.5	6.8
FiberMax FM 9180B2F	4.4	1.14	82.4	31.8	7.1
NexGen NG4012 B2RF	4.6	1.09	80.4	29.9	6.5
PhytoGen PHY 375 WRF	4.3	1.07	80.4	28.5	7.2
All-Tex Dinero B2RF	4.7	1.10	80.6	28.7	7.7
FiberMax FM 1740B2F	4.5	1.10	80.3	30.5	6.8

Table 2A. Results of the furrow irrigated uniform variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
NexGen NG3348 B2RF	4.3	1.04	80.4	29.1	7.1
Deltapine DP 0924 B2RF	4.9	1.07	81.1	29.9	7.8
NexGen NG4010 B2RF	4.7	1.09	81.4	31.1	7.4
FiberMax FM 9058F	4.4	1.12	80.4	29.5	6.5
FiberMax FM 9170B2F	4.5	1.12	81.0	30.9	6.4
NexGen NG2051B2RF	4.4	1.07	78.6	27.1	6.7
Croplan Genetics CG 3787B2RF	4.8	1.09	80.8	28.1	8.5
FiberMax FM 9250GL	4.3	1.07	78.9	29.9	5.8
LA07307111	4.6	1.10	80.2	28.5	6.8
FiberMax FM 2484B2F	4.7	1.14	80.2	29.4	6.3
PhytoGen PHY 725 RF	4.3	1.16	82.2	34.8	7.8
Deltapine DP 1032 B2RF	4.5	1.08	79.6	28.4	7.3
Deltapine DP 1252 B2RF	4.5	1.12	81.7	29.3	8.9
UA 48	4.9	1.18	82.3	34.0	6.3
Seed Source Genetics SSG 212 CT	4.8	1.09	79.9	30.2	7.3
Mean	4.6	1.09	80.7	29.9	7.4
c.v.%	4.5	1.4	1.1	2.6	5.3
LSD 0.05	0.4	0.03	1.7	1.6	0.8

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

Designation	2007	2008	2009	2010	2011	Average	Comp. Average*
			Five Year Average				
FiberMax FM 9058F	1609	1937	1421	1615	711	1459	
FiberMax FM 9180B2F	1366	1964	1172	1601	804	1381	
			Four Year Average				
FiberMax FM 1740B2F		2197	1871	1733	752	1638	1655
NexGen NG3348 B2RF		1663	1364	1575	722	1331	1348
PhytoGen PHY 375WRF		1948	1821	1783	762	1579	1595
Seed Source Genetics SSG HQ 210 CT		1764	1789	1826	823	1551	1567
Stoneville ST 5458 B2RF		2104	1964	2014	995	1769	1786
			Three Year Average				
All-Tex Epic RF			1347	1854	930	1377	1576
Deltapine SP 0912 B2RF			2029	1820	821	1557	1756
PhytoGen PHY 375WRF			1682	1789	873	1448	1647

* 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 AgriLife Research, Halfway, TX 2011

Test:	Uniform Variety
Planting Date:	May 17
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1 qt/A applied pre-plant Caparol and Cornerstone @ 3pt+32oz/A applied May 18 Dual @ 1pt/A applied June 28
Fertilizer:	100lbs N/acre of 32-0-0 applied June 16
Irrigations:	17.6 acre inches during season
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Ethephon + Folex @ 1.3pts/A +12 oz/A applied September 27 Paraquat +LI 700 @ 24oz/A +5oz/A applied October 11
Harvest Date:	October 25
Freeze Date:	October 27

Table 5. Results of the pivot irrigated uniform variety test at Texas AgriLife Research, Halfway 2011

				Agronomic Properties						% Open		
		% Turnout		% Lint		Bloll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/14/2011	Resistance	Height
All-Tex Nitro 44 B2RF	1366	29.1	47.1	38.5	29.7	4.4	8.9	6.0	28.5	60	5	26
NexGen NG4111 RF	1336	28.9	45.2	39.5	29.5	4.5	8.8	6.0	29.3	43	5	29
All-Tex AT Epic RF	1328	31.7	44.3	41.1	32.1	4.8	9.0	6.7	29.9	36	5	27
All-Tex Edge B2RF	1297	27.5	47.5	38.4	29.7	4.3	9.1	6.0	27.8	51	6	27
LA07307025	1279	29.9	43.3	40.5	31.2	4.3	8.2	6.0	28.9	64	4	28
Deltapine DP 0924 B2RF	1264	29.1	45.7	38.2	29.7	4.3	8.6	5.8	28.7	45	5	28
Deltapine DP 1044 B2RF	1258	30.2	43.8	37.9	29.1	4.4	8.8	5.8	28.7	24	3	28
FiberMax FM 9058F	1249	28.0	46.7	39.4	29.6	4.5	9.2	6.2	28.5	58	5	23
LA1110017	1237	27.2	46.5	35.1	27.1	5.1	10.0	5.7	31.7	20	4	28
Deltapine DP 0912 B2RF	1226	30.7	45.0	39.9	30.9	4.6	8.8	6.3	28.6	46	5	27
PhytoGen PHY 375 WRF	1218	29.0	43.3	40.3	30.2	4.4	8.4	6.1	28.5	56	4	29
Monsanto 10R051B2R2	1202	31.4	43.1	42.7	32.6	4.3	8.3	6.5	27.8	31	5	28
Monsanto 10R020B2R2	1196	30.5	43.5	41.0	30.7	5.0	9.0	6.5	31.5	41	4	30
FiberMax FM 9250GL	1190	28.0	45.9	39.1	29.7	5.0	9.7	6.6	29.9	60	6	26
FiberMax FM 9101GT	1178	27.5	45.2	39.0	29.4	5.1	9.8	6.7	29.8	50	5	26
FiberMax FM 2989GLB2	1175	28.4	45.4	38.0	28.5	4.7	8.9	5.9	30.1	36	5	27
Croplan Genetics CG 3156B2RF	1168	29.6	42.2	40.5	31.5	4.4	8.4	6.4	28.0	49	5	28
LA07307111	1154	27.5	47.0	37.4	29.1	4.6	8.9	5.7	29.9	44	4	28
FiberMax FM 9180B2F	1147	27.3	46.0	36.8	27.1	5.1	9.6	6.1	30.7	61	6	22
NexGen NG3348 B2RF	1131	28.3	46.8	40.9	32.0	4.6	9.0	6.4	29.3	45	6	25
FiberMax FM 2011GT	1118	29.0	43.5	39.8	30.2	5.4	9.8	6.9	31.5	59	6	26
Deltapine DP 1212 B2RF	1115	29.7	43.4	40.0	30.6	4.6	8.5	6.2	29.5	56	4	26
Stoneville ST 4145LLB2	1096	28.4	44.3	35.7	26.6	4.2	8.7	5.2	28.3	44	4	24
NexGen NG4012 B2RF	1089	29.3	43.6	40.6	30.7	4.7	8.3	5.8	32.3	49	5	28
Seed Source Genetics SSG 212 CT	1089	28.3	46.5	35.4	27.7	4.7	8.4	4.9	34.3	30	4	27
Seed Source Genetics SSG 210 CT	1086	26.8	42.4	36.4	27.7	4.5	8.4	5.1	32.1	29	5	27
FiberMax FM 2484B2F	1080	27.8	41.4	41.6	31.6	4.3	9.3	6.8	26.3	28	4	26
Stoneville ST 5458B2RF	1075	28.2	44.1	38.4	30.5	4.9	9.0	6.1	30.6	48	6	26
Deltapine DP 1219 B2RF	1075	29.3	42.7	40.0	31.0	4.0	7.9	5.5	29.1	26	4	30
FiberMax FM 1740B2F	1071	29.8	42.6	39.8	30.9	4.5	8.9	6.4	27.5	53	6	24

Table 5. Results of the pivot irrigated uniform variety test at Texas AgriLife Research, Halfway 2011

				Agronomic Properties								
		% Turnout		% Lint		Bloll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/14/2011	Resistance	Height
Deltapine DP 1252 B2RF	1059	32.4	43.2	43.0	32.5	4.2	7.9	6.2	29.6	19	4	30
Deltapine DP 1032 B2RF	1058	30.5	44.4	40.8	30.7	4.4	8.2	5.8	30.4	43	5	27
FiberMax FM 9103GT	1054	26.3	45.5	38.3	29.2	4.9	9.0	5.8	31.9	55	5	28
Croplan Genetics CG 3787B2RF	1043	29.6	41.0	42.7	32.4	4.3	7.9	6.0	30.1	38	4	28
PhytoGen PHY 367 WRF	1035	28.7	44.7	39.4	30.6	4.1	8.0	5.5	28.6	49	4	27
Monsanto 11R159B2R2	1032	29.1	42.2	40.2	31.9	4.4	8.2	5.8	30.2	16	4	29
PhytoGen PHY 725 RF	1030	25.6	43.0	38.1	29.7	4.7	9.0	5.9	30.4	59	3	29
All-Tex Nitro B2RF	1027	27.3	43.7	38.4	28.6	4.3	8.6	5.5	29.8	58	5	28
NexGen NG4010 B2RF	1005	26.3	45.9	37.8	28.3	4.3	8.5	5.4	30.0	53	5	27
Tamcot 73	1004	26.8	45.8	37.5	28.2	4.5	9.0	5.8	28.8	59	5	21
Deltapine DP 1133 B2RF	992	29.7	41.2	41.7	30.3	4.3	8.0	6.1	29.4	35	4	26
UA 48	989	25.2	46.1	36.7	28.1	4.9	9.6	5.9	30.3	46	3	25
PhytoGen PHY 499 WRF	978	27.9	41.2	40.7	30.5	4.4	8.3	6.0	29.5	45	5	29
FiberMax FM 9170B2F	976	28.4	43.5	40.1	29.9	4.2	8.7	6.1	27.7	48	5	26
NexGen NG2051 B2RF	918	26.1	46.2	36.0	26.9	4.5	9.1	5.5	29.0	69	6	25
Mean	1126	28.6	44.3	39.2	29.9	4.5	8.8	6.0	29.6	45	5	26
c.v.%	16.2	5.1	4.0	2.5	3.1	5.0	3.0	3.4	4.4	17.6	17.3	6.3
LSD 0.05	256	2.0	2.5	2.0	1.9	0.5	0.5	0.4	2.6	11	1	2

Table 5A. Results of the pivot irrigated uniform variety test at Texas AgriLife Research, Halfway 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
All-Tex Nitro 44 B2RF	3.8	1.07	80.4	26.6	7.5
NexGen NG4111 RF	3.7	1.04	81.3	30.6	7.8
All-Tex AT Epic RF	4.1	1.03	80.7	28.0	8.9
All-Tex Edge B2RF	3.8	1.06	79.6	27.1	7.3
LA07307025	4.0	1.06	80.6	29.5	7.3
Deltapine DP 0924 B2RF	4.0	1.03	80.4	27.3	8.1
Deltapine DP 1044 B2RF	4.2	1.05	80.6	30.1	9.5
FiberMax FM 9058F	3.3	1.06	79.1	25.3	5.7
LA1110017	4.0	1.10	81.7	31.7	7.3
Deltapine DP 0912 B2RF	4.2	1.03	80.4	27.7	7.9
PhytoGen PHY 375 WRF	3.8	1.05	80.2	26.4	7.4
Monsanto 10R051B2R2	4.2	1.05	81.0	28.1	8.5
Monsanto 10R020B2R2	4.1	1.01	80.3	25.5	6.7
FiberMax FM 9250GL	3.4	1.06	79.9	25.9	5.6
FiberMax FM 9101GT	3.3	1.08	79.9	27.9	5.8
FiberMax FM 2989GLB2	3.9	1.02	79.6	27.2	6.7
Croplan Genetics CG 3156B2RF	3.6	1.06	80.3	27.0	6.9
LA07307111	3.7	1.08	80.0	27.7	7.1
FiberMax FM 9180B2F	3.7	1.10	81.3	31.1	6.6
NexGen NG3348 B2RF	3.4	1.02	79.9	27.2	7.0
FiberMax FM 2011GT	3.3	1.06	80.4	27.7	6.9
Deltapine DP 1212 B2RF	4.0	1.09	81.7	30.5	9.0
Stoneville ST 4145LLB2	3.6	1.05	81.0	26.8	6.5
NexGen NG4012 B2RF	4.1	1.05	80.5	27.8	6.5
Seed Source Genetics SSG 212 CT	4.0	1.01	79.3	29.3	7.8
Seed Source Genetics SSG 210 CT	4.1	1.00	79.4	28.8	8.1
FiberMax FM 2484B2F	3.6	1.07	80.2	28.8	6.8
Stoneville ST 5458B2RF	4.1	1.05	79.6	27.0	7.2
Deltapine DP 1219 B2RF	3.8	1.04	79.4	28.1	7.2
FiberMax FM 1740B2F	3.8	1.03	79.0	27.1	7.0

Table 5A. Results of the pivot irrigated uniform variety test at Texas AgriLife Research, Halfway 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
Deltapine DP 1252 B2RF	4.1	1.03	80.4	28.4	8.8
Deltapine DP 1032 B2RF	4.0	1.06	80.0	26.6	7.3
FiberMax FM 9103GT	3.3	1.06	79.7	27.6	7.2
Croplan Genetics CG 3787B2RF	4.0	1.03	79.9	27.4	8.7
PhytoGen PHY 367 WRF	3.6	1.05	81.0	28.0	8.0
Monsanto 11R159B2R2	4.0	1.06	80.5	29.0	7.4
PhytoGen PHY 725 RF	3.7	1.11	81.6	31.7	7.8
All-Tex Dinero B2RF	3.9	1.05	80.9	26.9	7.4
NexGen NG4010 B2RF	3.8	1.03	80.7	28.8	8.0
Tamcot 73	3.5	1.09	81.4	31.2	7.0
Deltapine DP 1133 B2RF	4.4	1.05	81.6	29.4	8.5
UA 48	4.0	1.13	82.0	31.0	6.7
PhytoGen PHY 499 WRF	3.8	1.04	80.8	29.9	8.9
FiberMax FM 9170B2F	3.6	1.07	79.9	28.4	7.0
NexGen NG2051 B2RF	3.7	1.05	79.4	26.0	6.7
Mean	3.8	1.05	80.4	25.2	7.4
c.v.%	4.6	1.9	0.9	3.2	3.9
LSD 0.05	0.4	0.04	1.4	1.8	0.6

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

Designation	2007	2008	2009	2010	2011	Average	Comp. Average*
			Five Year Average				
FiberMax FM 1740B2F	1103	1003	1610	1775	1071	1312	
FiberMax FM 9058F	971	1065	1538	2011	1249	1367	
FiberMax FM 9180B2F	970	1100	1357	1670	1147	1249	
Seed Source Genetics SSG HQ 210 CT	944	946	1127	1791	1086	1179	
			Four Year Average				
NexGen NG3348 B2RF		927	1693	1483	1131	1309	1240
PhytoGen PHY 375WRF		1009	1346	1836	1218	1352	1283
Stoneville ST 5458 B2RF		893	1513	1720	1075	1300	1231
			Three Year Average				
All-Tex Epic RF			1420	1700	1327	1483	1307
Deltapine DP 0912 B2RF			1708	1881	1226	1605	1429
PhytoGen 367 WRF			1521	1850	1035	1469	1293

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

Table 7. Production information for dryland performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	Uniform Variety
Planting Date:	May 26
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Trifluralin @ 1.25pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	6.4 acre inches pre-plant 1.6 acre inches May 26 2.2 acre inches June 11 10.2 acre inches total
Rainfall:	3.89 inches during season
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Boll'd @ 1qt/A + ET @ 2oz/A applied September 27 Gramoxone @ 24 oz/A applied October 10
Harvest Date:	October 19
Freeze Date:	October 27

Table 8. Results of the dryland uniform variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		%Turnount		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/8/2011	Resistance	Height
All-Tex AT Epic RF	412	29.9	40.6	43.0	33.8	4.1	8.3	6.5	27.3	39	5	15
Seed Source Genetics SSG 210 CT	403	27.4	44.3	37.1	29.5	3.7	7.7	4.8	29.0	20	5	13
Tamcot 73	385	25.6	44.6	35.8	26.8	3.7	9.1	5.4	24.7	54	5	13
Stoneville ST 5458B2RF	364	27.5	42.1	37.8	28.5	3.7	8.4	5.6	24.7	29	5	14
FiberMax FM 2011GT	363	26.8	40.8	40.9	29.2	3.8	9.7	7.0	22.3	30	5	13
FiberMax FM 9101GT	359	27.2	42.1	38.7	28.7	4.1	9.6	6.3	25.1	30	6	14
LA1110017	351	26.1	44.3	36.8	28.8	3.7	8.8	5.2	25.9	9	5	16
FiberMax FM 9058F	350	26.2	42.4	36.0	26.1	3.6	9.3	5.5	23.2	25	5	14
FiberMax FM 9103GT	350	26.1	43.1	38.6	28.1	4.0	9.0	5.9	26.2	39	4	16
PhytoGen PHY 499 WRF	345	27.1	38.2	42.0	30.5	3.8	8.1	6.2	25.4	28	4	16
Croplan Genetics CG 3156B2RF	343	26.7	38.3	38.9	28.8	3.1	8.2	5.9	20.6	50	5	15
Monsanto 10R020B2R2	342	29.6	42.2	40.0	30.2	4.2	9.1	6.6	25.6	23	4	16
FiberMax FM 1740B2F	341	27.1	41.9	42.0	34.0	3.6	8.7	6.6	22.8	44	5	13
Deltapine DP 1219 B2RF	333	26.8	40.5	38.3	28.1	3.4	7.9	5.1	25.1	15	5	15
PhytoGen PHY 367 WRF	333	25.4	38.8	39.8	29.2	3.2	7.9	5.6	22.8	45	4	14
All-Tex Dinero B2RF	321	24.9	41.9	35.5	27.3	3.5	8.5	5.5	22.1	53	6	14
Seed Source Genetics SSG 212 CT	320	25.7	42.4	36.7	29.1	3.9	8.1	5.0	29.1	25	5	14
NexGen NG4012 B2RF	319	28.5	43.7	40.6	30.4	3.3	7.9	5.5	24.5	35	4	16
All-Tex Nitro 44 B2RF	316	24.2	41.6	36.5	26.6	3.7	9.9	5.9	22.7	21	4	14
Croplan Genetics CG 3787B2RF	314	28.7	39.9	42.3	30.7	3.5	7.7	5.9	25.1	16	4	16
Stoneville ST 4145LLB2	313	26.1	41.2	35.6	26.2	3.4	8.3	5.3	22.9	53	5	15
Monsanto 11R159B2R2	312	26.6	39.1	39.8	30.6	3.5	7.3	5.2	26.6	16	5	13
FiberMax FM 9250GL	311	24.9	44.2	34.7	26.7	4.5	10.2	6.1	25.4	40	5	15
All-Tex Edge B2RF	310	24.3	43.0	39.3	29.2	3.3	8.5	5.7	22.4	41	5	14
FiberMax FM 9180B2F	308	25.4	43.2	36.2	23.8	3.3	9.8	5.8	20.4	39	6	13
Deltapine DP 0912 B2RF	306	27.9	40.7	40.9	30.9	3.4	8.0	5.7	24.3	33	4	14
Deltapine DP 1044 B2RF	306	24.5	38.6	36.3	27.9	2.8	7.8	5.1	20.4	18	4	13
NexGen NG4111 RF	306	25.9	41.2	37.7	27.2	3.2	9.1	5.9	20.5	14	5	15
LA07307025	304	26.7	40.6	40.7	31.1	3.5	8.1	5.8	24.9	40	3	15
PhytoGen PHY 375 WRF	302	25.9	39.7	40.3	29.6	3.1	8.2	5.8	21.4	58	3	13

Table 8. Results of the dryland uniform variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		%Turnount		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/8/2011	Resistance	Height
Monsanto 10R051B2R2	294	26.6	39.1	41.7	30.1	3.1	7.5	5.7	23.2	20	4	16
Deltapine DP 1252 B2RF	286	26.6	39.6	39.3	28.9	3.8	8.2	6.0	24.7	11	4	17
Deltapine DP 0924 B2RF	280	25.4	41.0	37.8	27.8	3.4	8.5	5.7	22.3	33	4	15
Deltapine DP 1032 B2RF	275	27.7	39.4	41.3	30.6	3.5	7.8	5.9	24.3	41	4	17
Deltapine DP 1212 B2RF	273	25.7	39.1	39.5	30.0	3.6	8.7	6.0	23.3	56	6	14
FiberMax FM 9170B2F	263	25.2	41.0	38.5	28.6	3.5	8.5	5.7	23.3	25	4	14
NexGen NG3348 B2RF	260	25.9	40.9	38.3	28.6	3.5	9.3	6.0	22.3	45	5	14
Deltapine DP 1133 B2RF	260	27.5	38.4	41.4	29.4	3.3	7.6	5.7	23.6	18	4	15
NexGen NG2051B2RF	259	25.2	43.4	35.9	25.8	3.2	8.2	4.9	23.2	64	5	12
FiberMax FM 2989GLB2	251	24.3	41.1	36.5	27.2	3.7	9.2	5.7	23.3	10	4	16
FiberMax FM 2484B2F	248	24.7	38.7	39.4	30.8	3.2	8.5	5.9	21.3	38	5	14
NexGen NG4010 B2RF	231	23.8	42.5	37.1	27.2	3.3	8.7	5.4	22.0	33	5	14
LA07307111	201	22.9	40.2	38.8	30.1	3.6	8.1	5.4	26.4	29	4	12
UA 48	201	22.9	43.3	34.7	24.3	3.6	9.3	5.2	24.0	40	4	14
PhytoGen PHY 725 RF	186	21.9	38.2	37.5	25.8	3.1	9.6	5.8	19.8	26	2	14
Mean	307	26.0	41.1	38.6	28.7	3.5	8.5	5.7	23.8	33	4	14
c.v.%	22.7	5.7	4.4	4.3	5.7	8.3	4	5.5	6.8	45.3	22.3	10.2
LSD 0.05	97	2.1	2.6	3.3	3.3	0.6	0.7	0.6	3.3	2	1	2

Table 8A. Results of the dryland uniform variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Unifomrity	Strength	Elongation
All-Tex AT Epic RF	4.7	1.03	80.2	29.1	8.7
Seed Source Genetics SSG 210 CT	4.9	1.00	79.8	28.3	7.3
Tamcot 73	4.3	1.09	81.6	32.5	7.2
Stoneville ST 5458B2RF	4.8	1.03	79.0	27.6	7.0
FiberMax FM 2011GT	4.7	1.04	80.5	29.8	6.8
FiberMax FM 9101GT	4.5	1.04	80.5	27.8	5.5
LA1110017	4.3	1.11	82.5	34.0	7.2
FiberMax FM 9058F	4.5	1.07	79.5	28.3	6.2
FiberMax FM 9103GT	4.7	1.05	80.2	28.6	6.6
PhytoGen PHY 499 WRF	4.5	1.03	80.1	29.3	7.6
Croplan Genetics CG 3156B2RF	4.3	1.05	79.8	27.9	6.5
Monsanto 10R020B2R2	4.6	0.99	79.7	26.5	7.1
FiberMax FM 1740B2F	4.6	1.02	81.0	28.0	7.5
Deltapine DP 1219 B2RF	4.2	1.04	79.5	29.5	6.4
PhytoGen PHY 367 WRF	4.5	1.02	79.4	28.0	7.9
All-Tex Dinero B2RF	4.5	1.02	79.3	27.8	7.8
Seed Source Genetics SSG 212 CT	4.8	1.03	79.6	29.6	7.3
NexGen NG4012 B2RF	4.5	1.01	79.8	27.6	6.2
All-Tex Nitro 44 B2RF	4.1	1.12	81.4	33.0	7.5
Croplan Genetics CG 3787B2RF	4.3	1.06	79.0	28.5	7.3
Stoneville ST 4145LLB2	4.6	1.04	80.1	27.3	6.5
Monsanto 11R159B2R2	4.5	1.05	79.6	28.9	6.7
FiberMax FM 9250GL	3.9	1.05	79.3	27.2	7.5
All-Tex Edge B2RF	4.8	1.05	79.7	29.2	7.0
FiberMax FM 9180B2F	4.6	1.09	80.7	30.6	7.0
Deltapine DP 0912 B2RF	4.9	1.03	81.2	29.4	8.0
Deltapine DP 1044 B2RF	4.7	1.02	79.3	28.3	8.4
NexGen NG4111 RF	4.8	1.05	81.6	32.1	7.9
LA07307025	4.8	1.09	80.8	31.0	6.9
PhytoGen PHY 375 WRF	4.5	1.00	78.7	26.0	6.8

Table 8A. Results of the dryland uniform variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Unifomrity	Strength	Elongation
Monsanto 10R051B2R2	4.6	1.03	80.1	28.4	8.9
Deltapine DP 1252 B2RF	4.5	1.06	81.8	30.0	9.6
Deltapine DP 0924 B2RF	4.7	1.01	79.6	28.2	8.5
Deltapine DP 1032 B2RF	4.6	1.05	79.5	28.0	6.8
Deltapine DP 1212 B2RF	4.5	1.06	80.0	29.6	7.4
FiberMax FM 9170B2F	4.1	1.07	79.7	29.7	6.5
NexGen NG3348 B2RF	4.1	1.03	79.0	27.5	6.8
Deltapine DP 1133 B2RF	4.5	1.04	79.5	28.7	7.5
NexGen NG2051B2RF	4.1	1.01	78.5	24.8	6.2
FiberMax FM 2989GLB2	4.5	1.05	79.6	28.7	5.9
FiberMax FM 2484B2F	4.4	1.04	78.9	27.3	6.2
NexGen NG4010 B2RF	4.5	1.06	81.2	31.7	7.5
LA07307111	4.4	1.08	80.7	28.5	6.3
UA 48	4.3	1.04	80.1	28.5	7.0
PhytoGen PHY 725 RF	4.2	1.08	79.4	33.3	7.7
Mean	4.5	1.04	80.0	29.0	
c.v.%	4.5	2.7	1.2	5.7	
LSD 0.05	0.4	0.06	1.9	3.3	

Table 9. Yield summary of the dryland uniform variety test at Texas AgriLife Research, Lubbock

Name	2008	2009	2010	2011	Average	Comp. Average*
			Four Year Average			
FiberMax FM 1740 B2F	1002	681	1296	341	830	
FiberMax FM 9058 F	968	668	1485	350	868	
FiberMax FM 9180 B2F	814	565	1327	308	754	
NexGen NG3348 B2RF	843	609	979	260	673	
Seed Source Genetics SSG HQ 210 CT	1004	663	1126	403	799	
Stoneville ST 5458 B2RF	1037	775	1294	364	868	
			Three Year Aveage			
All-Tex Epic RF		701	1099	412	737	787
Deltapine DP 0912 B2RF		721	1335	306	787	837
PhytoGen 367 WRF		576	1398	333	769	818

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

Table 10. Yield summary for uniform variety tests over three locations in 2011.

Name	Overall Yield	Rank Lub Irr	Rank Lub Dry	Rank Halfway
All-Tex AT Epic RF	890	7	1	3
All-Tex Nitro 44 B2RF	853	12	19	1
LA07307025	836	8	29	5
NexGen NG4111 RF	832	17	27	2
FiberMax FM 2011GT	830	3	5	21
Deltapine DP 1044 B2RF	827	9	26	7
Stoneville ST 4145LLB2	820	1	21	23
FiberMax FM 2989GLB2	819	2	40	16
All-Tex Edge B2RF	814	21	24	4
LA1110017	814	18	7	9
Stoneville ST 5458B2RF	811	4	4	28
FiberMax FM 9101GT	807	11	6	15
Monsanto 10R020B2R2	804	13	12	13
Deltapine DP 1219 B2RF	786	6	14	29
Deltapine DP 0912 B2RF	784	24	28	10
Croplan Genetics CG 3156B2RF	782	20	11	17
Monsanto 10R051B2R2	780	19	31	12
Monsanto 11R159B2R2	772	5	22	36
Seed Source Genetics SSG 210 CT	771	23	2	26
FiberMax FM 9058F	770	34	9	8
PhytoGen PHY 375 WRF	761	28	30	11
Deltapine DP 0924 B2RF	754	32	33	6
FiberMax FM 9180B2F	753	26	25	19
Deltapine DP 1212 B2RF	749	16	35	22
PhytoGen PHY 367 WRF	747	14	15	35
FiberMax FM 9103GT	746	22	8	33
Tamcot 73	737	25	3	40
NexGen NG4012 B2RF	731	27	18	25
PhytoGen PHY 499 WRF	728	15	10	43
FiberMax FM 1740B2F	721	30	13	30
FiberMax FM 9250GL	718	38	23	14
Deltapine DP 1133 B2RF	714	10	37	41
Seed Source Genetics SSG 212 CT	705	45	17	24
NexGen NG3348 B2RF	704	31	38	20
All-Tex Dinero B2RF	701	29	16	38
Croplan Genetics CG 3787B2RF	674	37	20	34
LA07307111	661	39	43	18
FiberMax FM 2484B2F	651	40	41	27
NexGen NG4010 B2RF	650	33	42	39
FiberMax FM 9170B2F	638	35	36	44
Deltapine DP 1032 B2RF	622	42	34	32
NexGen NG2051B2RF	616	36	39	45
PhytoGen PHY 725 RF	598	41	45	37
Deltapine DP 1252 B2RF	598	43	32	31
UA 48	544	44	44	42

NOTES

Table 11. Production information for furrow irrigated performance test at Texas AgriLife Research, Pecos, TX 2011

Test:	Regional Cotton Variety
Planting Date:	May 3
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 = 1.65 inches
Insecticide:	Intrepid applied in season to control Beet armyworms
Fungicide:	none
Harvest Aids:	Gramoxone @ 1pt/A
Harvest Date:	November 21

Table 12. Results of the furrow irrigated regional variety test at Texas AgriLife Research, Pecos 2011

				Agronomic Properties						% Open		
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/6/2011	Resistance	Height
Deltapine DP 1044 B2RF	1200	24.9	39.8	35.9	26.6	3.5	8.4	5.1	24.5	43	4	24
PhytoGen PHY 499 WRF	1166	30.4	41.4	43.4	32.0	3.9	8.5	6.8	24.7	61	6	25
Deltapine DP 164 B2RF	1089	25.8	45.2	35.9	28.0	4.1	8.7	5.1	28.8	39	5	25
All-Tex AT Epic RF	1068	28.3	42.4	41.5	31.4	4.4	9.6	7.0	25.9	60	5	23
NMSU 07N1295	1059	25.0	43.6	35.3	27.1	4.1	9.7	5.8	25.3	23	6	26
Deltapine DP 1050 B2RF	1042	27.0	38.9	40.4	29.4	3.4	8.2	6.2	22.2	50	5	25
NMSU 07N1189	1031	24.4	44.9	33.7	24.6	4.2	10.1	5.7	25.3	24	5	29
Deltapine DP 1048 B2RF	1010	26.3	39.7	41.7	30.1	3.4	7.6	5.6	24.9	63	5	23
Stoneville ST 4145LLB2	1010	23.5	39.9	34.1	25.4	4.1	9.5	5.5	25.3	60	4	22
FiberMax FM 9170B2F	983	26.3	41.5	38.6	31.3	4.2	9.3	6.3	26.0	41	5	21
PhytoGen PHY 375 WRF	972	27.1	40.9	40.7	28.7	3.8	9.1	6.6	23.4	65	4	20
Deltapine DP 0949 B2RF	967	26.3	41.0	36.2	27.1	3.9	8.2	5.2	27.1	68	5	25
Americot AMX003 B2RF	964	25.1	36.7	35.5	27.6	3.7	7.5	4.9	26.8	53	6	73
PhytoGen PHY 725 RF	960	25.3	44.3	36.0	26.4	4.1	10.2	6.1	23.9	44	5	27
FiberMax FM 2989GLB2	955	26.3	42.5	40.2	27.8	4.1	9.6	6.6	24.7	18	5	24
Deltapine DP 1252 B2RF	955	27.6	39.6	41.1	25.0	3.5	7.7	5.8	25.4	39	5	24
PhytoGen PHY 367 WRF	939	24.4	40.6	37.3	23.2	3.1	8.6	5.6	20.9	64	4	22
Deltapine DP 0912 B2RF	934	26.4	41.8	36.8	25.7	3.7	8.7	5.5	24.6	64	4	21
Americot AM1511 B2RF	915	26.0	37.1	41.8	30.6	3.6	8.2	5.9	25.2	70	6	24
FiberMax FM 2484B2F	914	26.0	40.9	40.1	30.1	3.8	9.6	6.7	22.7	49	5	22
FiberMax FM 2011GT	906	28.1	41.8	38.7	27.9	4.4	11.1	7.5	22.8	38	6	21
FiberMax FM 9250GL	906	26.5	42.8	36.9	25.5	4.3	11.0	6.9	22.9	44	5	24
Stoneville ST 5458B2RF	896	27.2	42.5	36.0	29.1	4.3	9.0	5.5	28.1	59	5	22
Bayer CropScience BX 1252LLB2	875	26.6	41.7	38.7	27.9	3.8	9.3	6.1	23.8	54	5	21
NMSU 1517-08	864	22.0	41.7	34.0	23.7	4.0	10.5	5.8	23.6	33	5	27
LBB 08-12-704P	858	22.7	43.9	40.5	28.3	4.5	10.9	7.4	24.7	20	5	26
Stoneville ST 4288B2F	846	24.4	43.5	34.9	26.6	4.3	9.3	5.4	28.1	59	5	22
Deltapine DP 1032 B2RF	842	28.7	40.2	43.9	31.2	3.7	7.7	6.1	26.0	50	5	24
PhytoGen PHY 565 WRF	827	24.0	41.9	34.5	24.8	3.4	8.4	4.9	23.6	45	5	24
NMSU 07N1185	821	25.9	39.3	39.2	29.1	4.5	9.1	6.2	28.6	25	5	25

Table 12. Results of the furrow irrigated regional variety test at Texas AgriLife Research, Pecos 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/6/2011	Resistance	Height
FiberMax FM 1740B2F	813	26.5	40.2	37.8	28.7	4.3	9.7	6.5	25.1	65	5	20
Deltapine DP 161 B2RF	812	25.3	43.6	33.8	25.2	3.8	8.4	4.6	27.8	36	5	26
Bayer CropScience BX 1262B2F	791	24.6	41.1	35.8	27.3	4.2	9.7	5.9	25.4	58	5	21
Bayer CropScience BX 1150B2F	789	24.6	42.1	36.5	26.9	4.0	8.6	5.4	27.0	73	4	22
Monsanto 10R051B2R2	783	28.6	41.9	37.9	27.3	3.9	8.2	5.5	26.5	43	5	24
All-Tex ATX 9W2863 B2RF	781	24.8	43.1	35.8	26.3	4.0	10.1	6.0	23.6	28	5	24
Bayer CropScience BX 1264B2F	769	25.9	43.1	36.1	26.3	4.5	9.9	6.0	27.3	59	5	24
Stoneville ST 5445 LLB2	754	26.4	41.3	36.2	27.9	4.6	9.6	6.0	28.1	40	3	21
NexGen NG4012 B2RF	753	25.4	41.3	40.3	31.3	4.0	8.8	6.1	25.9	54	5	22
Bayer CropScience BX 1261B2F	751	26.5	45.2	35.8	25.7	3.8	8.9	5.2	26.6	39	4	23
PhytoGen PHY 755 WRF	700	22.8	41.2	34.8	24.9	3.6	9.5	5.4	23.5	48	5	24
FiberMax FM 9058F	685	24.0	40.0	36.1	25.9	3.8	10.1	6.2	22.3	31	6	22
Mean	904	25.8	41.6	37.6	27.5	3.9	9.1	5.9	25.2	47	5	4
c.v.%	19.2	6.7	4.4	7.2	9.3	6.9	4.2	7.5	7.0	32.0	18.0	27.2
LSD 0.05	244	2.4	2.6	5.5	5.2	0.5	0.8	0.9	3.6	21	1	2

Table 12A. Results of the furrow irrigated regional variety test at Texas AgriLife Reseach, Pecos 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Entry	Rank
Deltapine DP 1044 B2RF	3.7	1.09	80.0	30.9	8.6	19	1
PhytoGen PHY 499 WRF	4.6	1.07	81.7	31.6	8.9	32	2
Deltapine DP 164 B2RF	4.8	1.12	80.2	28.9	6.6	22	3
All-Tex AT Epic RF	5.1	1.08	81.0	29.8	9.2	42	4
NMSU 07N1295	4.3	1.14	80.0	28.8	5.7	38	5
Deltapine DP 1050 B2RF	4.5	1.12	80.9	28.8	8.1	21	6
NMSU 07N1189	4.8	1.13	82.6	34.0	6.8	40	7
Deltapine DP 1048 B2RF	4.6	1.08	80.5	28.4	8.3	20	8
Stoneville ST 4145LLB2	4.6	1.09	81.5	28.2	6.2	34	9
FiberMax FM 9170B2F	4.1	1.13	80.9	31.0	6.4	6	10
PhytoGen PHY 375 WRF	4.9	1.05	80.3	28.4	7.2	3	11
Deltapine DP 0949 B2RF	4.8	1.06	81.0	30.0	7.7	17	12
Americot AMX003 B2RF	5.4	1.07	80.2	28.5	8.4	10	13
PhytoGen PHY 725 RF	4.4	1.14	81.8	33.7	8.1	4	14
FiberMax FM 2989GLB2	5.0	1.10	81.5	29.5	6.4	26	15
Deltapine DP 1252 B2RF	4.1	1.09	81.3	31.2	8.5	29	16
PhytoGen PHY 367 WRF	4.0	1.06	79.8	29.9	8.0	31	17
Deltapine DP 0912 B2RF	4.9	1.03	80.7	28.4	7.4	1	18
Americot AM1511 B2RF	5.1	1.05	79.4	30.0	8.9	9	19
FiberMax FM 2484B2F	3.8	1.12	80.3	29.8	6.4	25	20
FiberMax FM 2011GT	4.9	1.10	81.4	29.5	6.4	24	21
FiberMax FM 9250GL	4.3	1.09	80.1	28.0	5.4	27	22
Stoneville ST 5458B2RF	5.0	1.07	80.8	29.7	7.4	36	23
Bayer CropScience BX 1252LLB2	4.1	1.10	80.1	30.1	7.4	12	24
NMSU 1517-08	4.4	1.17	82.9	35.6	6.9	37	25
LBB 08-12-704P	4.2	1.17	81.8	33.4	6.5	41	26
Stoneville ST 4288B2F	4.4	1.09	80.1	27.9	7.4	35	27
Deltapine DP 1032 B2RF	4.6	1.09	80.6	29.1	7.1	18	28
PhytoGen PHY 565 WRF	3.9	1.10	81.1	32.8	8.8	33	29
NMSU 07N1185	4.3	1.17	82.0	31.6	5.5	39	30

Table 12A. Results of the furrow irrigated regional variety test at Texas AgriLife Reseach, Pecos 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Entry	Rank
FiberMax FM 1740B2F	4.8	1.06	80.3	29.0	6.7	23	31
Deltapine DP 161 B2RF	4.8	1.13	81.0	29.9	7.2	5	32
Bayer CropScience BX 1262B2F	4.9	1.09	80.9	30.3	7.9	15	33
Bayer CropScience BX 1150B2F	4.7	1.11	81.4	32.3	8.0	11	34
Monsanto 10R051B2R2	4.1	1.09	81.5	29.5	8.6	28	35
All-Tex ATX 9W2863 B2RF	5.0	1.17	82.7	31.4	7.4	8	36
Bayer CropScience BX 1264B2F	4.4	1.10	81.6	31.0	7.4	16	37
Stoneville ST 5445 LLB2	4.6	1.12	80.8	31.0	6.3	13	38
NexGen NG4012 B2RF	4.4	1.10	80.6	30.9	6.2	30	39
Bayer CropScience BX 1261B2F	4.8	1.10	80.7	29.5	7.8	14	40
PhytoGen PHY 755 WRF	4.0	1.18	82.2	35.9	7.8	7	41
FiberMax FM 9058F	4.6	1.12	80.8	27.4	5.6	2	42
Mean	4.5	1.10	81.0	30.3	7.3		
c.v.%	9.5	1.6	0.9	2.2	5.0		
LSD 0.05	0.9	0.04	1.4	1.3	0.7		

Table 13. Yield summary of the furrow irrigated regional variety test at Texas AgriLife Research, Pecos

Name	2008	2009	2010	2011	Average	Comp. Average*
		Four Year Averages				
FiberMax 9058F	1209	859	850	685	901	
PhytoGen PHY 375WRF	1416	1118	1017	972	1131	
PhytoGen PHY 755WRF	1100	954	1025	700	945	
Stoneville ST 4288 B2F	990	1035	1212	846	1021	
Stoneville ST 5458 B2F	1182	1101	1167	896	1087	
		Three Year Average				
FiberMax FM 9170B2F		1078	888	983	983	1038
PhytoGen PHY 565 WRF		1056	999	827	961	1015

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

Table 14. Production information for furrow irrigated performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	Late Planted
Planting Date:	June 2
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1.5 pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	8.4 acre inches applied pre-plant 3.5 acre inches applied June 3 2.1 acre inches applied June 12 2.4 acre inches applied June 27 2.2 acre inches applied July 11 2.3 acre inches applied July 26 2.0 acre inches applied August 9 2.2 acre inches applied August 21 25.1 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Boll'd + ET @ 1qt/A + 2 oz/A applied October 10 Gramoxone @ 24oz/A applied October 19
Harvest Date:	November 10
Freeze Date:	October 27

Table 15. Results of the furrow irrigated late planted variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/3/2011	Resistance	Height
FiberMax FM 2011GT	931	30.3	46.1	39.8	30.9	5.9	11.4	8.0	29.3	78	7	21
Deltapine DP 1219 B2RF	822	28.9	43.9	36.6	27.7	4.3	8.5	5.2	29.6	69	6	23
All-Tex Edge B2RF	821	27.3	48.0	38.1	29.5	4.6	9.5	6.2	28.4	75	7	23
FiberMax FM 958	808	27.5	48.1	38.2	28.9	5.4	10.8	6.8	30.0	78	6	22
All-Tex AT Epic RF	805	30.9	44.8	40.9	31.1	5.0	9.5	7.0	28.8	71	7	25
FiberMax FM 1740B2F	791	28.3	43.8	38.8	29.3	5.1	10.3	6.9	29.2	70	7	23
Deltapine DP 1028 B2RF	787	32.9	42.4	43.5	31.8	4.4	8.2	6.6	28.8	61	6	24
FiberMax FM 9250GL	763	27.8	46.4	38.4	29.5	5.5	11.1	7.3	29.1	71	7	23
FiberMax FM 9058F	760	29.4	47.1	36.5	27.5	4.8	9.7	5.9	29.8	74	7	22
FiberMax FM 9101GT	749	28.0	44.8	39.4	29.8	6.0	11.4	7.7	30.6	68	7	24
NexGen NG2549 B2RF	733	26.8	47.3	36.0	27.8	4.3	9.8	5.8	27.1	76	7	23
PhytoGen PHY 499 WRF	720	29.2	42.0	43.4	33.6	4.8	9.3	7.4	28.2	75	6	24
LBB 08-10-602-V	718	24.8	47.5	34.0	25.5	4.5	11.2	6.0	25.8	75	7	23
Deltapine DP 1212 B2RF	712	28.1	45.2	40.6	30.5	4.6	10.0	7.1	26.4	74	6	22
FiberMax FM 9103GT	700	26.4	46.9	38.2	28.7	5.4	10.0	6.5	32.0	73	6	23
Deltapine DP 104 B2RF	689	26.7	49.4	34.9	27.4	5.2	10.5	6.0	30.3	78	6	21
FiberMax FM 9180B2F	677	25.7	46.7	35.1	25.9	4.8	11.0	6.3	27.2	70	7	20
PhytoGen PHY 367 WRF	671	26.0	43.4	39.8	30.4	4.2	9.1	6.2	26.6	74	6	24
Deltapine DP 0912 B2RF	630	30.0	43.4	39.4	31.1	4.8	9.3	6.3	29.5	74	6	24
Deltapine DP 0924 B2RF	628	28.8	45.4	41.1	32.5	4.6	9.0	6.7	28.6	74	6	23
NexGen NG4010 B2RF	586	25.9	46.8	36.7	28.5	4.6	9.3	5.7	29.2	78	7	25
PhytoGen PHY 375 WRF	583	28.4	42.3	39.7	29.7	4.5	9.2	6.4	27.8	75	6	22
NexGen NG3348 B2RF	578	26.9	46.9	37.1	28.4	5.2	10.7	6.6	29.3	70	6	21
LBB 08-10-706-V	562	24.3	48.7	32.7	24.5	4.8	11.1	5.6	27.9	80	7	23
All-Tex Rapid B2RF	496	23.8	45.7	36.4	28.9	4.2	9.9	5.9	25.8	75	6	23
Mean	709	27.7	45.7	38.2	29.1	4.8	10.0	6.5	28.6	73	6	23
c.v.%	17.6	3.9	3.2	3.5	4.5	6.9	3.3	5.2	6.1	7.5	8.5	7.5
LSD 0.05	176	1.5	2.1	2.8	2.7	0.7	0.7	0.7	3.6	8	1	2

Table 15A. Results of the furrow irrigated late planted variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Rd	+b	Leaf	Color Grade [1/]
FiberMax FM 2011GT	4.1	1.10	81.5	31.9	7.1	79.4	7.9	2	31-1
Deltapine DP 1219 B2RF	4.1	1.13	81.0	32.2	7.8	79.2	8.4	1	31-1
All-Tex Edge B2RF	4.4	1.11	80.7	31.6	7.5	79.2	7.7	1	31-1,31-2
FiberMax FM 958	4.3	1.14	81.9	31.3	6.3	78.0	7.5	1	31-1,41-1
All-Tex AT Epic RF	4.7	1.07	81.6	29.7	9.6	76.6	8.4	1	31-1,31-2
FiberMax FM 1740B2F	4.2	1.08	80.4	30.3	7.8	77.7	8.1	1	31-1
Deltapine DP 1028 B2RF	4.3	1.10	81.3	30.0	8.0	75.8	8.1	2	31-2,41-1
FiberMax FM 9250GL	4.3	1.13	81.3	32.2	7.2	77.6	8.2	1	31-1,31-2
FiberMax FM 9058F	4.6	1.11	81.4	31.2	7.2	75.7	7.5	2	31-1,51-1
FiberMax FM 9101GT	4.3	1.10	80.9	30.7	6.5	77.7	7.8	1	31-1,31-2
NexGen NG2549 B2RF	4.0	1.06	80.9	30.0	8.8	77.3	8.4	1	31-1,31-2
PhytoGen PHY 499 WRF	4.5	1.09	81.9	31.3	9.2	75.2	8.3	1	31-2,41-1
LBB 08-10-602-V	3.9	1.15	82.0	32.7	7.1	78.9	8.3	2	21-2,31-2
Deltapine DP 1212 B2RF	4.4	1.13	82.3	32.2	8.7	78.0	8.4	1	31-1
FiberMax FM 9103GT	4.0	1.11	80.5	30.2	7.4	79.0	8.1	2	21-2,31-1
Deltapine DP 104 B2RF	3.9	1.13	82.9	33.5	9.0	78.2	8.2	1	31-1
FiberMax FM 9180B2F	4.2	1.14	81.9	32.5	7.1	78.3	7.8	1	31-1,41-1
PhytoGen PHY 367 WRF	4.1	1.10	80.9	30.9	9.0	77.2	8.9	2	21-2,31-3
Deltapine DP 0912 B2RF	4.4	1.10	81.3	28.4	7.8	76.9	7.7	1	31-1,41-1
Deltapine DP 0924 B2RF	4.6	1.05	81.1	29.5	8.8	76.9	8.3	1	31-1,31-2
NexGen NG4010 B2RF	4.1	1.11	81.6	31.5	8.2	78.1	9.1	1	21-2
PhytoGen PHY 375 WRF	4.2	1.08	80.2	28.4	7.8	74.3	8.3	1	31-1,41-2
NexGen NG3348 B2RF	4.0	1.08	81.4	30.7	7.8	75.6	8.2	1	31-2,41-1
LBB 08-10-706-V	4.2	1.10	81.9	32.4	8.2	78.6	8.4	2	21-2,31-1
All-Tex Rapid B2RF	4.5	1.07	81.8	30.5	8.6	74.8	7.8	2	41-1,41-2
Mean	4.2	1.10	81.4	31.0	7.9	77.3	8.1	1	
c.v.%	6.6	2.1	0.8	3.7	8.8	2.5	3.9	42.1	
LSD 0.05	0.6	0.05	1.4	2.4	1.4	4.0	0.7	1	

NOTES

Table 16. Production information for furrow irrigated performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	New Varieties and Strains
Planting Date:	May 5
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1.5 pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	8.4 acre inches applied pre-plant 2.2 acre inches applied May 27 2.1 acre inches applied June 12 1.9 acre inches applied June 16 2.4 acre inches applied June 27 2.2 acre inches applied July 11 2.3 acre inches applied July 26 2.0 acre inches applied August 9 2.2 acre inches applied August 21 25.7 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Boll'd + ET @ 1qt/A + 2 oz/A applied September 27 Gramoxone @ 24oz/A applied October 10
Harvest Date:	November 11
Freeze Date:	October 27

Table 17. Results of the furrow irrigated new varieties and strains test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Ltturn	Sdturn	Picked	Pulled	Size	Index	Index	Boll	9/22/2011	Resistance	Height
Stoneville ST 5458B2RF	1106	31.1	46.6	38.7	31.4	5.5	10.2	6.9	31.0	56	4	26
Deltapine DP 1219 B2RF	1078	30.2	44.4	42.3	33.0	4.4	8.2	6.2	30.3	60	4	26
Bayer CropScience BX 1262B2F	1076	29.4	45.0	39.5	31.0	4.9	9.8	6.8	28.5	56	5	26
Monsanto 11R159B2R2	1073	31.1	44.8	42.8	33.0	4.5	7.7	6.0	31.8	48	4	27
All-Tex ATX 9CR253 B2RF	1067	31.1	44.8	40.8	30.9	5.2	9.9	7.2	29.5	53	5	30
FiberMax FM 9058F	1032	28.8	46.0	37.7	28.7	5.1	10.5	6.7	28.4	60	5	26
All-Tex ATX 91139 B2RF	1023	31.0	44.6	39.6	30.7	5.0	9.7	7.0	27.9	61	5	27
All-Tex ATX 9CR202 B2RF	1014	27.6	43.5	40.1	28.5	5.6	11.6	8.2	27.7	39	6	28
Deltapine DP 1252 B2RF	1009	30.4	42.2	44.7	33.7	4.3	8.5	7.0	27.3	24	4	30
Stoneville ST 5445LLB2	1007	30.1	44.9	38.9	30.0	5.5	10.6	7.4	28.7	61	4	26
Monsanto 10R051B2R2	1003	29.5	42.2	44.0	33.5	4.9	8.8	7.2	29.6	35	4	30
All-Tex ATX 91322 B2RF	987	29.4	45.9	38.7	30.6	5.2	10.0	6.7	30.5	54	5	26
All-Tex ATX 91123 B2RF	982	28.1	45.8	38.9	30.0	4.9	10.1	6.8	27.5	51	5	25
Monsanto 10R020B2R2	961	30.7	43.6	39.7	31.0	5.9	10.8	7.5	31.1	53	4	29
FiberMax FM 9170B2F	942	29.6	45.7	41.4	31.8	4.8	10.3	7.4	26.8	60	5	26
All-Tex ATX 10WR784 RF	940	29.8	42.7	43.2	32.9	4.5	8.9	7.0	27.9	48	5	28
Deltapine DP 0912 B2RF	928	29.6	44.0	38.1	30.3	5.1	9.9	6.5	29.8	65	3	26
06WE-62-12-4	920	28.0	47.1	38.7	29.4	6.0	11.2	7.2	32.0	36	5	25
Bayer CropScience BX 1264B2F	910	27.5	46.7	38.1	30.1	5.6	11.0	7.0	30.1	56	6	27
Deltapine DP 1212 B2RF	870	29.4	43.2	39.7	31.1	5.2	11.1	7.7	26.7	56	4	23
Ark 0222-12	826	28.3	44.5	39.4	31.5	5.3	11.3	7.7	26.9	48	4	25
UA 48	826	26.0	46.6	37.0	28.5	5.8	11.8	7.2	29.8	61	4	25
Bayer CropScience BX 1252LLB2	824	28.9	44.2	40.1	31.3	4.9	10.0	7.0	27.9	66	3	26
Concho 614	814	26.0	49.0	36.5	28.1	5.2	11.1	6.7	28.1	45	4	26
All-Tex ATX 3039 B2RF	804	28.2	43.1	40.0	31.8	5.1	10.4	7.4	27.6	51	4	25
Ark 0114-53	800	28.9	45.4	40.2	31.5	5.2	11.9	8.3	24.9	44	5	28
Seed Source Genetics SSG 59-3-29	798	27.7	47.2	36.1	28.6	5.0	11.0	6.5	27.7	66	4	25
Bayer CropScience BX 1150B2F	787	26.6	44.4	37.4	29.4	4.6	9.6	6.1	28.5	65	4	27
Concho 747	782	24.3	46.3	35.7	28.4	5.0	11.1	6.6	27.0	45	4	27
Bayer CropScience BX 1261B2F	761	26.1	46.4	36.9	29.3	4.6	9.8	5.9	28.9	46	5	27

Table 17. Results of the furrow irrigated new varieties and strains test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm	
Designation	Yield	Ltturn	Sdturn	Picked	Pulled	Size	Index	Index	Boll	9/22/2011	Resistance	Height
Concho 314	740	25.2	46.7	36.1	28.3	4.9	11.1	6.6	27.2	53	5	25
Concho 647	726	25.4	47.3	37.3	29.0	5.4	11.5	7.1	28.6	45	5	27
Seed Source Genetics SSG 59-69	676	26.9	48.5	35.7	28.4	5.6	10.1	5.8	34.1	50	5	25
Concho 347	670	25.9	47.0	37.6	28.6	4.9	11.0	6.8	26.8	50	5	24
Concho 714	663	23.7	47.2	36.3	27.9	5.3	11.5	6.8	28.1	43	4	26
Mean	898	28.3	45.3	39.1	30.3	5.1	10.3	6.9	28.7	52	4	26
c.v.%	22.6	4.9	2.7	3.1	4.3	6.3	5.0	4.3	5.6	23.3	19.0	8.1
LSD 0.05	285	2.0	1.7	2.4	2.6	0.7	1.0	0.6	3.2	17	1	3

Table 17A. Results of the furrow irrigated new varieties and strains test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongtion	Rd	+b	Leaf	Color Grade [1/]
Stoneville ST 5458B2RF	5.2	1.08	81.0	29.5	7.9	76.9	8.7	2	21-2,31-2
Monsanto 10R011B2R2	4.7	1.12	81.1	30.3	7.7	77.8	8.1	1	31-1,31-2
Bayer CropScience BX 1262B2F	4.9	1.09	81.2	30.2	8.8	77.5	8.9	1	21-2,31-1
Monsanto 11R159B2R2	4.6	1.11	79.8	30.1	7.6	77.0	7.9	1	31-1,41-1
All-Tex ATX 9CR253 B2RF	5.2	1.08	81.9	30.8	8.1	78.8	8.4	1	21-2,31-1
FiberMax FM 9058F	4.5	1.11	80.4	29.0	6.6	76.6	7.5	2	31-2,41-1
All-Tex ATX 91139 B2RF	4.5	1.10	81.5	29.5	8.2	80.5	7.8	2	21-2,31-1
All-Tex ATX 9CR202 B2RF	4.5	1.17	82.9	33.0	7.1	80.2	7.6	1	21-2,31-1
Deltapine DP 1252 B2RF	4.5	1.10	81.8	29.3	9.5	78.4	8.5	1	21-2,31-1
Stoneville ST 5445LLB2	5.1	1.11	81.3	30.9	7.6	78.0	8.8	1	21-2,31-1
Monsanto 10R051B2R2	4.7	1.11	82.6	29.8	9.4	77.8	8.5	1	31-1,31-2
All-Tex ATX 91322 B2RF	4.5	1.12	81.1	30.6	7.8	79.8	7.8	1	21-2,31-2
All-Tex ATX 91123 B2RF	4.8	1.11	82.1	32.6	7.2	79.6	8.4	1	21-1,31-1
Monsanto 10R020B2R2	4.9	1.07	81.2	28.7	7.7	78.4	8.7	1	21-2,31-1
FiberMax FM 9170B2F	4.4	1.14	82.0	32.1	6.8	80.8	7.6	1	21-2,31-1
All-Tex ATX 10WR784 RF	4.2	1.10	80.5	28.5	8.0	78.7	7.6	1	31-1,41-1
Deltapine DP 0912 B2RF	5.2	1.05	80.7	29.1	8.2	77.6	8.2	1	31-1,31-2
06WE-62-12-4	4.8	1.15	82.6	36.3	7.5	76.9	7.9	1	31-2
Bayer CropScience BX 1264B2F	4.4	1.11	80.8	30.5	8.1	77.6	8.0	1	31-1,41-1
Deltapine DP 1212 B2RF	4.8	1.13	82.1	30.6	8.9	78.0	8.5	1	31-1
Ark 0222-12	4.7	1.15	82.2	32.1	8.6	77.9	8.3	2	31-1
UA 48	4.8	1.22	83.7	36.9	6.5	78.8	8.2	1	31-1
Bayer CropScience BX 1252LLB2	4.8	1.09	81.3	30.3	8.3	76.2	8.6	1	31-2
Concho 614	4.2	1.12	81.4	28.4	8.0	78.7	8.0	1	21-2,31-2
All-Tex ATX 3039 B2RF	4.8	1.07	80.5	27.4	7.4	78.4	8.1	1	31-1,31-2
Ark 0114-53	4.9	1.10	82.1	29.0	7.9	78.8	8.2	1	31-1
Seed Source Genetics SSG 59-3-29	4.7	1.11	81.2	31.0	7.3	77.0	7.8	3	31-2,41-1
Bayer CropScience BX 1150B2F	5.0	1.11	82.0	32.3	8.8	76.7	9.1	2	31-3
Concho 747	4.6	1.09	81.1	31.3	8.0	77.3	8.1	1	31-1,41-1
Bayer CropScience BX 1261B2F	4.3	1.11	81.4	30.6	8.2	76.0	8.3	1	31-1,41-1

Table 17A. Results of the furrow irrigated new varieties and strains test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongtion	Rd	+b	Leaf	Color Grade [1/]
Concho 314	4.0	1.09	81.2	29.4	8.1	78.9	8.2	2	31-1
Concho 647	4.4	1.10	81.0	29.2	7.8	79.3	7.9	2	31-1
Seed Source Genetics SSG 59-69	4.6	1.11	80.9	31.8	7.4	80.1	7.9	1	21-2,31-1
Concho 347	4.4	1.11	81.0	30.5	8.0	78.8	8.1	1	31-1
Concho 714	4.1	1.10	81.6	29.9	7.9	77.8	8.3	2	31-1,31-2
Mean	4.6	1.11	81.4	30.6	7.9	78.2	8.2	1	
c.v.%	4.0	1.6	1.0	2.9	4.8	1.4	3.8	28.8	
LSD 0.05	0.4	0.04	1.6	1.8	0.8	2.2	0.6	1	

NOTES

Table 18. Production information for furrow irrigated performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	Regional High Quality
Planting Date:	April 29
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1.5 pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	8.4 acre inches applied pre-plant 2.1 acre inches applied May 22 3.1 acre inches applied June 12 2.4 acre inches applied June 27 2.2 acre inches applied July 11 2.3 acre inches applied July 26 2.0 acre inches applied August 9 2.2 acre inches applied August 21 24.7 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Boll'd + ET @ 1qt/A + 2 oz/A applied September 27 Gramoxone @ 24oz/A applied October 10
Harvest Date:	October 21
Freeze Date:	October 27

Table 19. Results of the furrow irrigated regional high quality variety test at Texas AgriLife Research, Lubbock 2011

				Agronomic Properties								
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	%Open Bolls	Storm	
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/20/2011	Resistance	Height
TAM 04WB-33s	1342	23.3	44.3	32.8	24.3	4.9	11.3	5.8	27.8	49	4	28
Stoneville ST 4288B2F	1221	27.7	45.2	37.2	28.8	5.0	10.6	6.6	28.2	71	6	23
Stoneville ST 4145LLB2	1152	27.6	46.0	37.7	28.0	4.3	9.8	6.4	25.3	69	4	23
LA35RS	1143	25.5	45.7	36.5	29.0	6.1	11.5	7.1	31.8	65	5	24
MD25-27y	1143	27.7	45.2	38.2	30.2	5.1	10.1	6.7	29.3	74	5	27
FiberMax FM 1845LLB2	1121	27.7	46.8	37.8	28.1	4.9	10.4	6.7	27.5	73	6	23
Ark 0222-12	1105	27.2	42.3	38.8	31.8	5.5	11.1	7.5	28.4	58	4	24
FiberMax FM 9170B2F	1087	29.2	42.1	40.3	30.9	4.7	10.1	7.1	26.8	79	6	22
Ark 0219-15	1081	28.1	42.8	39.8	31.2	5.4	11.1	7.8	27.7	63	4	25
Dyna-Gro DG 2570B2RF	1080	29.7	43.8	41.3	31.6	5.2	9.8	7.3	29.3	76	5	25
PhytoGen PHY499WRF	1062	28.9	43.6	41.8	33.0	4.7	9.6	7.3	26.7	66	5	24
Deltapine DP 1032B2RF	1057	27.9	43.3	42.0	32.5	4.6	8.7	6.7	29.2	54	3	25
MD25-87y	1054	27.0	46.1	38.2	29.4	5.3	11.2	7.3	28.0	74	5	27
Deltapine DP0912B2RF	1044	26.5	44.3	39.6	32.0	5.2	10.0	7.0	29.4	71	3	25
PhytoGen PHX4912WRF	1037	26.8	43.9	37.4	28.0	3.9	9.3	5.9	24.9	56	6	26
Deltapine DP 1133B2RF	1024	30.5	41.2	43.1	31.2	4.1	8.9	7.2	24.8	70	4	25
Tamcot 73	1018	26.3	44.8	36.5	28.7	4.7	10.5	6.4	26.9	68	6	22
MD25-26ne	1016	27.3	45.6	38.3	29.7	5.1	10.1	6.5	30.0	69	5	23
MD25-42y	1004	24.3	41.9	35.7	27.9	5.2	11.8	6.8	27.0	65	6	25
FiberMax FM 9058F	997	26.0	43.8	37.6	28.4	4.9	10.5	6.7	27.6	66	6	24
PhytoGen PHY565WRF	993	27.5	43.9	38.5	28.9	4.1	9.2	6.1	25.5	64	5	24
PhytoGen PHY 375WRF	972	28.2	41.1	41.1	32.3	4.6	9.4	6.9	27.5	68	4	25
UA 48	762	25.0	46.4	36.4	27.4	5.1	11.6	6.9	27.2	73	5	21
PhytoGen PHY725RF	734	25.7	40.6	37.4	28.4	4.7	10.2	6.4	27.5	61	3	25
Mean	1052	27.1	43.9	38.5	29.6	4.9	10.3	6.8	27.7	67	5	24
c.v.%	13.3	5.7	4.7	2.2	4.6	7.0	4.4	4.2	7.8	16.4	21.6	8.0
LSD 0.05	199	2.2	2.9	1.2	1.9	0.5	0.6	0.4	3.1	15	1	3

Table 19A. Results of the furrow irrigated regional high quality variety test at Texas AgriLife Research, Lubbock 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
TAM 04WB-33s	4.0	1.21	82.9	33.1	7.2
Stoneville ST 4288B2F	4.8	1.09	82.1	31.2	8.6
Stoneville ST 4145LLB2	4.8	1.09	83.0	29.4	6.9
LA35RS	4.5	1.16	83.2	33.9	7.7
MD25-27y	4.5	1.11	82.8	31.4	6.7
FiberMax FM 1845LLB2	4.5	1.17	82.9	33.6	6.9
Ark 0222-12	4.7	1.14	82.8	31.6	8.7
FiberMax FM 9170B2F	4.8	1.06	80.9	30.8	8.5
Ark 0219-15	5.0	1.11	82.1	30.8	7.9
Dyna-Gro DG 2570B2RF	4.7	1.11	81.8	31.0	8.4
PhytoGen PHY499WRF	4.6	1.14	82.1	32.2	6.6
Deltapine DP 1032B2RF	4.8	1.13	82.1	32.1	8.1
MD25-87y	4.8	1.13	83.6	34.8	6.4
Deltapine DP0912B2RF	4.1	1.12	81.8	31.2	7.4
PhytoGen PHX4912WRF	4.7	1.11	82.1	31.3	8.0
Deltapine DP 1133B2RF	4.9	1.10	83.0	31.2	9.0
Tamcot 73	4.6	1.17	82.6	33.8	6.8
MD25-26ne	4.7	1.18	83.6	34.1	6.5
MD25-42y	4.4	1.14	80.8	33.9	8.2
FiberMax FM 9058F	4.5	1.16	81.9	31.3	5.7
PhytoGen PHY565WRF	4.9	1.09	81.9	31.0	8.3
PhytoGen PHY 375WRF	4.5	1.10	81.5	29.5	7.5
UA 48	4.8	1.21	83.6	35.8	6.7
PhytoGen PHY725RF	4.5	1.11	80.8	32.0	8.8
Mean	4.6	1.13	82.3	32.1	7.5
c.v.%	9.1	3.1	1.4	5.2	10.1
LSD 0.05	0.9	0.07	2.4	3.5	1.3

NOTES

Table 20. Production information for furrow irrigated performance test at Texas AgriLife Research, Halfway, TX 2011

Test:	Verticillium Wilt
Planting Date:	May 16
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1 qt/A applied pre plant Caparol @ 3 pt/A applied May 23
Fertilizer:	120-0-0 lbs/A applied June 22
Irrigations:	4.1 acre inches pre-plant 3.4 acre inches May 18 3.6 acre inches June 14 3.2 acre inches July 7 3.0 acre inches July 19 3.8 acre inches August 4 2.9 acre inches August 16 24.0 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Harvest Aids:	Ethephon + Folex @ 1.3pt/A + 12oz/A applied October 6 Paraquat +LI 700 @ 24oz/A +5 oz/A applied October 20
Harvest Date:	November 17
Freeze Date:	October 27

Table 21. Results of the furrow irrigated Verticillium wilt variety test at Texas AgriLife Research, Halfway 2011

				Agronomic Properties									
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm		
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/30/2011	Resitance	Height	% Wilt
FiberMax FM 2011GT	1480	27.7	45.2	38.6	29.2	5.7	11.2	7.4	29.9	80	6	29	3.62
All-Tex ATX 7A21	1385	25.5	44.4	36.1	26.2	5.1	10.6	6.4	28.7	89	5	29	3.37
PhytoGen PHY 367 WRF	1303	24.6	43.8	38.5	28.7	4.7	9.8	6.3	28.6	84	5	28	2.24
FiberMax FM 9250GL	1286	25.9	46.3	36.4	26.8	5.8	11.8	7.1	29.6	83	6	28	2.02
Monsanot 10R020B2R2	1274	28.1	46.1	40.1	30.4	5.4	10.7	7.3	29.7	90	4	31	2.18
Deltapine DP 1212 B2RF	1216	26.5	45.2	37.5	29.4	5.3	10.6	6.8	29.3	76	5	28	7.77
FiberMax FM 2484B2F	1197	25.4	44.6	38.3	29.6	4.9	10.7	6.9	27.1	89	5	28	0.36
NexGen NG2549 B2RF	1179	25.0	47.5	35.0	27.2	4.9	10.6	6.0	28.9	86	6	31	4.83
Deltapine DP 1252 B2RF	1175	30.0	43.3	40.5	31.8	4.8	8.9	6.5	29.9	83	4	29	5.12
Bayer CropScience BX 1262B2F	1161	24.7	44.9	35.9	27.3	5.3	10.2	6.0	31.4	80	5	29	3.09
FiberMax FM 9103GT	1152	25.2	46.2	36.7	28.2	5.2	10.7	6.4	30.4	83	5	29	6.64
All-Tex ATX 81144 B2RF	1149	24.5	47.3	35.7	27.3	5.0	11.2	6.4	28.0	78	5	29	1.36
FiberMax FM 2989GLB2	1148	24.6	45.4	34.9	26.4	5.3	11.2	6.5	28.4	81	5	32	2.53
Monsanto 11R159B2R2	1141	26.1	44.2	39.0	29.1	4.5	9.2	6.2	28.5	81	4	33	3.19
Stoneville ST 4145LLB2	1116	24.1	45.8	35.0	26.1	4.5	10.3	5.8	26.8	85	4	28	2.30
Deltapine DP 1219 B2RF	1104	26.0	45.8	37.1	28.1	4.6	9.4	5.8	29.1	74	4	31	3.33
FiberMax FM 9058F	1094	25.2	44.7	36.0	26.9	5.0	11.0	6.4	28.2	86	6	29	5.21
Stoneville ST 4288B2F	1094	24.9	44.1	36.8	28.9	5.3	10.7	6.5	29.6	76	5	29	4.81
NexGen NG4010 B2RF	1089	24.1	45.7	36.8	27.6	4.6	10.1	5.7	28.9	78	4	31	0.84
NexGen NG4111 RF	1081	26.3	45.5	38.7	29.9	5.2	10.7	7.0	28.6	73	5	31	0.35
Deltapine DP 0912 B2RF	1073	26.0	45.3	37.0	28.6	5.0	10.3	6.3	28.9	88	4	29	3.87
Bayer CropScience BX 1264B2F	1068	24.0	46.6	35.9	28.2	5.6	11.0	6.4	31.3	80	5	28	2.71
FiberMax FM 9101GT	1062	27.0	46.7	38.2	28.8	5.7	11.3	7.2	30.5	85	6	27	1.94
NexGen NG3348 B2RF	1059	25.9	48.1	35.9	28.8	5.6	11.2	6.7	30.1	76	6	29	3.00
LBB 08-10-706V	1044	21.8	48.9	33.6	24.8	4.8	10.8	5.6	28.3	84	5	26	2.19
NexGen NG4012 B2RF	1032	25.2	47.2	35.6	26.9	5.0	10.2	5.9	30.1	73	5	30	1.50
Deltapine DP 1032 B2RF	1030	26.8	44.6	37.0	27.8	4.4	8.9	5.7	28.8	83	4	31	4.12
Bayer CropScience BX 1252LLB2	1007	24.6	43.5	36.0	26.9	5.0	10.4	6.2	28.7	88	5	28	2.04
FiberMax FM 9170B2F	984	24.8	45.7	38.1	29.4	4.9	10.9	7.0	26.8	85	5	28	0.70
Croplan Genetics CG 3787B2RF	980	26.7	45.1	38.7	29.5	4.7	9.9	6.5	27.7	71	5	28	2.82

Table 21. Results of the furrow irrigated Verticillium wilt variety test at Texas AgriLife Research, Halfway 2011

				Agronomic Properties						% Open			
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm		
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	9/30/2011	Resitance	Height	% Wilt
Monsanto 10R051B2R2	976	27.3	42.9	39.9	28.7	4.7	9.0	6.3	29.4	83	5	32	4.12
Deltapine DP 1044 B2RF	913	23.8	45.1	36.3	28.4	4.4	9.6	5.7	28.1	78	4	29	2.50
All-Tex ATX 9CR202 B2RF	890	23.8	41.3	37.4	26.2	5.3	11.9	7.3	27.0	80	5	32	2.48
PhytoGen PHY 375 WRF	813	24.3	42.8	39.4	29.9	4.6	9.5	6.5	28.0	88	4	28	3.16
Bayer CropScience BX 1150B2F	798	22.5	44.3	34.1	25.5	4.8	10.4	5.7	28.7	85	4	28	2.31
Bayer CropScience BX 1254LLB2	750	23.5	40.4	37.5	28.5	5.4	10.7	6.7	30.2	80	5	26	4.65
Mean	1092	25.3	45.1	37.0	28.1	5.0	10.4	6.4	28.9	82	5	29	3.07
c.v.%	22.6	6.4	4.2	4.9	6.4	4.1	3.0	5.6	4.4	8.3	14.1	7.0	63.4
LSD 0.05	346	2.3	2.7	3.7	3.7	0.4	0.6	0.7	2.6	9	1	3	2.80

Table 21A. Results of the furrow irrigated Verticillium wilt variety test at Texas AgriLife Research, Halfway 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
FiberMax FM 2011GT	3.3	1.09	81.0	31.6	7.4
All-Tex ATX 7A21	3.2	1.12	80.7	32.4	8.2
PhytoGen PHY 367 WRF	3.2	1.10	80.7	32.4	8.2
FiberMax FM 9250GL	3.3	1.16	80.6	31.5	5.8
Monsanto 10R020B2R2	3.2	1.09	80.0	29.9	7.4
Deltapine DP 1212 B2RF	3.4	1.11	80.9	33.3	9.5
FiberMax FM 2484B2F	3.0	1.16	81.3	33.1	7.7
NexGen NG2549 B2RF	3.2	1.01	80.3	30.2	8.8
Deltapine DP 1252 B2RF	3.6	1.11	81.5	29.8	9.2
Bayer CropScience BX 1262B2F	3.6	1.11	81.5	32.2	8.5
FiberMax FM 9103GT	3.0	1.09	79.2	30.2	7.4
All-Tex Nitro 44 B2RF	3.2	1.18	82.5	34.9	8.3
FiberMax FM 2989GLB2	2.8	1.11	79.5	30.6	6.5
Monsanto 11R159B2R2	3.3	1.12	79.9	32.5	7.5
Stoneville ST 4145LLB2	3.1	1.11	81.2	29.6	6.9
Deltapine DP 1219 B2RF	3.3	1.13	80.5	33.6	7.3
FiberMax FM 9058F	3.9	1.10	80.5	30.9	7.2
Stoneville ST 4288B2F	3.5	1.09	80.6	30.2	8.3
NexGen NG4010 B2RF	3.4	1.11	81.9	33.7	7.8
NexGen NG4111 RF	3.6	1.10	82.2	33.0	8.5
Deltapine DP 0912 B2RF	3.7	1.06	79.9	30.2	8.4
Bayer CropScience BX 1264B2F	3.3	1.10	80.2	31.7	7.6
FiberMax FM 9101GT	3.2	1.09	80.7	29.7	6.3
NexGen NG3348 B2RF	3.3	1.11	80.8	32.2	7.5
LBB 08-10-706V	2.9	1.16	81.3	34.3	7.9
NexGen NG4012 B2RF	3.4	1.11	81.0	31.5	6.8
Deltapine DP 1032 B2RF	3.3	1.08	79.1	30.5	7.6
Bayer CropScience BX 1252LLB2	3.1	1.15	81.1	33.0	7.5
FiberMax FM 9170B2F	2.9	1.15	80.8	32.6	7.1
Croplan Genetics CG 3787B2RF	3.2	1.06	79.9	29.5	7.4

Table 21A. Results of the furrow irrigated Verticillium wilt variety test at Texas AgriLife Research, Halfway 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation
Monsanto 10R051B2R2	3.2	1.10	80.7	30.2	9.1
Deltapine DP 1044 B2RF	3.3	1.13	81.4	32.0	9.4
All-Tex ATX 9CR202 B2RF	3.4	1.16	82.1	33.2	6.7
PhytoGen PHY 375 WRF	3.0	1.07	79.9	29.1	7.8
Bayer CropScience BX 1150B2F	3.3	1.14	81.7	34.1	8.5
Stoneville ST 5445 LLB2	3.1	1.11	80.9	33.4	7.5
Mean	3.2	1.11	80.8	31.8	7.7
c.v.%	9.1	2.1	0.9	3.2	4.9
LSD 0.05	0.6	0.05	1.5	2.1	0.8

NOTES

Table 22. Production information for pivot irrigated performance test at the AG-CARES farm, Lamesa, TX 2011

Test:	Nematode Variety
Planting Date:	June 1
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Prowl @ 3pt/A applied pre-plant
Fertilizer:	10-34-0 @ 125 lbs/A applied pre-plant
Irrigations:	16.1 acre-in applied May-September
Rainfall:	3.85 inches in season
Insecticide:	Intruder @ 1 oz/A applied August 26
Harvest Aids:	Prep @ 2pt/A + 2oz ET applied October 20 ET @ 3oz/A applied October 28
Harvest Date:	November 9

Table 23. Results of the pivot irrigated nematode variety test at the AGCARES farm, Lamesa 2011

				Agronomic Properties						% Open			Root-knot
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	Bolls	Storm		Nematode
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/7/2011	Resistance	Height	500cm^3 soil
Deltapine DP 1252 B2RF	968	26.7	43.2	39.8	29.9	4.3	9.0	6.4	26.6	63	4	27	4710
Monsanto 10R020B2R2	799	28.5	46.9	36.0	27.2	5.2	10.5	6.3	29.6	76	5	29	14100
Bayer CropScience BX 1252LLB2	692	25.8	45.0	34.2	25.3	4.0	9.8	5.5	25.1	83	5	24	6840
Deltapine DP 174 RF	669	28.7	42.8	39.6	29.6	4.3	8.8	6.3	26.6	76	6	27	1620
Stoneville ST 5458B2RF	637	27.6	46.1	36.1	28.0	4.3	9.8	6.0	26.2	78	6	25	8340
Deltapine DP 1212 B2RF	634	26.5	45.1	38.1	28.5	4.8	9.8	6.5	28.3	83	5	25	4290
FiberMax FM 2011GT	597	28.9	44.6	37.7	27.3	4.5	10.8	7.1	24.0	74	5	22	960
Deltapine DP 1032 B2RF	592	25.9	44.0	37.6	27.9	4.0	8.6	5.6	26.9	65	4	25	5100
Deltapine DP 1044 B2RF	569	26.7	43.9	36.8	28.3	4.2	8.8	5.5	27.6	66	5	24	1950
PhytoGen PHY 375 WRF	568	27.2	43.8	38.4	28.8	4.1	8.9	6.0	25.9	84	4	26	8580
FiberMax FM 2989GLB2	564	24.4	45.1	35.8	26.7	4.4	10.0	6.0	26.6	58	5	26	9390
Bayer CropScience BX 1262B2F	563	26.6	45.1	36.5	27.9	4.3	9.4	5.8	27.1	75	5	25	7440
PhytoGen PHY 367 WRF	563	24.8	42.9	38.7	28.3	3.5	8.5	5.8	23.5	78	5	24	3660
Bayer CropScience BX 1264B2F	556	27.2	47.3	34.5	25.9	4.6	10.3	6.0	26.5	74	6	25	10440
Stoneville ST 4288B2F	548	24.3	45.4	33.8	26.8	4.7	10.0	5.6	28.2	80	4	25	4320
NexGen NG4111 RF	542	24.4	39.6	38.3	28.0	4.3	9.7	6.5	25.6	73	6	29	18660
Stoneville ST 4145LLB2	515	23.8	45.5	33.3	24.7	3.7	9.3	5.1	24.3	85	5	24	7380
Bayer CropScience BX 1150B2F	512	23.8	47.2	36.1	27.3	4.5	9.3	5.5	29.2	79	4	26	3900
NexGen NG4012 B2RF	503	24.3	46.0	35.2	26.0	4.1	9.5	5.5	25.8	76	5	28	4650
PhytoGen PHY 565 WRF	497	25.2	44.4	37.4	27.8	3.9	9.3	6.0	24.6	64	4	25	17070
FiberMax FM 9103GT	493	26.0	45.9	34.2	26.0	4.6	10.0	5.7	27.5	76	5	25	8220
FiberMax FM 2484B2F	473	26.4	44.1	35.9	26.9	4.2	10.1	6.3	24.1	69	5	26	16590
GB-6-1-2	461	22.9	45.6	33.1	25.1	4.5	10.8	5.7	26.2	60	4	27	1260
Stoneville ST 5445LLB2	449	26.2	44.9	37.3	27.9	4.6	9.9	6.3	27.0	84	5	22	9030
Deltapine DP 1219 B2RF	443	27.6	44.6	38.4	29.5	3.8	8.7	5.7	25.9	64	5	25	10110
FiberMax FM 9250GL	425	24.7	47.3	35.2	26.1	5.7	10.9	6.4	31.4	63	5	25	4860
All-Tex Nitro B2RF	420	23.4	46.3	37.1	28.0	3.9	11.3	7.2	20.1	68	4	21	1530
FiberMax FM 9058F	415	24.9	44.4	34.9	24.8	4.0	10.0	5.8	23.8	76	5	23	12120
PhytoGen PHY 499 WRF	382	28.3	43.1	40.1	30.4	4.1	8.9	6.3	25.6	75	4	25	2010
All-Tex ATX 10CR1064 B2RF	378	24.1	46.7	33.1	24.4	4.3	9.2	5.1	27.6	80	5	25	11700

Table 23. Results of the pivot irrigated nematode variety test at the AGCARES farm, Lamesa 2011

				Agronomic Properties									
		% Turnout		% Lint		Boll	Seed	Lint	Seed per	% Open Bolls	Storm		Root-knot Nematode
Designation	Yield	Lint	Seed	Picked	Pulled	Size	Index	Index	Boll	10/7/2011	Resistance	Height	500cm^3 soil
Bayer CropScience BX 1261B2F	375	25.2	47.2	35.0	26.6	4.1	9.3	5.3	27.7	75	5	25	2670
All-Tex ATX 10WR784 RF	361	28.6	44.3	38.9	28.6	4.2	8.3	5.7	28.4	71	5	25	7350
FiberMax FM 9101GT	359	27.0	44.9	38.1	28.1	4.8	10.9	7.2	25.7	75	6	26	1500
Deltapine DP 1133 B2RF	284	25.9	41.8	38.5	26.8	3.7	8.3	5.8	24.2	72	4	27	2490
Mean	524	26.0	44.8	36.7	27.4	4.3	9.6	6.0	26.2	73	5	25	6752
c.v.%	36.6	4.8	4.5	3.9	4.3	6.0	3.7	6.2	6.7	10.7	15.0	9.8	
LSD 0.05	270	1.8	2.8	2.9	2.4	0.5	0.7	0.8	3.6	11	1	3	
Monsanto 10R051B2R2 was dropped due to poor stand		28.8	44.0	40.1	29.3	4.1	8.8	6.3	25.8	58	5	22	1500

Table 23A. Results of the pivot irrigated nematode variety test at the AG-CARES farm, Lamesa 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Rd	+b	Leaf	Color Grade [1/]
Deltapine DP 1252 B2RF	4.1	1.10	80.8	30.9	9.2	77.1	9.2	1	21-3,31-4
Monsanto 10R020B2R2	4.7	1.03	80.1	28.5	7.3	77.6	9.2	1	21-3,31-1
Bayer CropScience BX 1252LLB2	4.3	1.11	81.7	32.5	8.3	75.8	9.6	2	21-4,31-2
Deltapine DP 174 RF	4.7	1.04	79.6	27.5	8.2	76.1	9.1	1	31-3
Stoneville ST 5458B2RF	5.3	1.04	80.0	29.4	8.1	74.6	9.6	1	31-3,32-1
Deltapine DP 1212 B2RF	4.9	1.11	82.1	33.7	9.3	74.8	9.3	1	31-3,42-1
FiberMax FM 2011GT	4.6	1.06	81.7	31.0	7.1	75.7	8.2	1	31-1,41-1
Deltapine DP 1032 B2RF	4.3	1.10	80.5	30.1	7.6	76.9	9.1	1	31-1,31-3
Deltapine DP 1044 B2RF	4.9	1.08	80.9	31.2	9.5	77.1	8.9	1	31-1,31-3
PhytoGen PHY 375 WRF	4.3	1.04	80.4	28.8	7.5	76.9	8.8	1	31-1
FiberMax FM 2989GLB2	4.5	1.08	80.1	30.3	6.7	77.3	8.7	1	21-2,31-2
Bayer CropScience BX 1262B2F	4.6	1.06	80.6	31.6	8.7	75.7	9.3	1	31-3
PhytoGen PHY 367 WRF	4.4	1.05	79.9	28.7	8.9	73.8	9.6	2	32-1,32-2
Bayer CropScience BX 1264B2F	4.4	1.07	81.1	31.0	7.3	75.7	8.3	2	21-2,41-2
Stoneville ST 4288B2F	3.9	1.12	80.7	30.3	7.6	77.5	8.2	1	31-1,41-3
NexGen NG4111 RF	4.5	1.07	81.0	31.1	7.8	76.8	9.1	1	21-4,31-3
Stoneville ST 4145LLB2	3.8	1.05	79.7	27.2	7.1	76.2	9.1	2	31-3
Bayer CropScience BX 1150B2F	4.6	1.14	82.3	34.0	8.3	75.0	9.7	2	32-1
NexGen NG4012 B2RF	4.3	1.07	80.0	29.7	6.4	76.2	8.9	2	31-2,31-3
PhytoGen PHY 565 WRF	4.5	1.07	81.1	31.7	8.9	75.8	9.1	1	31-1,32-2
FiberMax FM 9103GT	4.2	1.07	80.5	31.0	7.4	76.8	9.1	1	31-1,31-3
FiberMax FM 2484B2F	4.5	1.08	81.0	30.2	7.0	78.8	8.3	1	31-1
GB-6-1-2	4.7	1.06	80.1	31.3	7.2	76.3	9.3	1	31-3
Stoneville ST 5445LLB2	4.5	1.07	80.3	29.7	7.4	76.5	9.2	1	31-3
Deltapine DP 1219 B2RF	4.4	1.07	79.7	30.1	7.6	76.8	9.1	1	21-4,31-3
FiberMax FM 9250GL	4.1	1.08	80.3	29.4	6.1	78.8	8.1	1	31-1
All-Tex Nitro 44 B2RF	4.1	1.17	83.1	35.5	8.5	77.2	9.0	2	31-1,31-3
FiberMax FM 9058F	4.4	1.09	79.8	29.0	6.4	79.3	8.4	1	21-2
PhytoGen PHY 499 WRF	4.6	1.05	81.8	32.6	10.0	76.1	9.4	1	21-4,31-3
All-Tex ATX 10CR1064 B2RF	4.0	1.03	79.3	25.4	6.5	76.2	8.9	1	31-1,31-3

Table 23A. Results of the pivot irrigated nematode variety test at the AG-CARES farm, Lamesa 2011

Designation	Micronaire	Length	Uniformity	Strength	Elongation	Rd	+b	Leaf	Color Grade [1/]
Bayer CropScience BX 1261B2F	4.4	1.07	80.5	29.4	8.1	75.2	9.1	1	31-3,31-4
All-Tex ATX 10WR784 RF	4.3	1.05	80.2	28.2	7.7	77.9	8.6	1	21-2,31-1
FiberMax FM 9101GT	4.6	1.07	80.3	30.3	6.3	76.3	8.5	1	31-1,31-2
Deltapine DP 1133 B2RF	4.2	1.08	80.7	32.3	8.8	75.5	9.4	1	31-3,32-1
Mean	4.4	1.07	80.6	30.4	7.8	76.4	9.0	1	
c.v.%	6.0	1.9	0.8	3.2	5.3	2.2	3.8	38.4	
LSD 0.05	0.5	0.04	1.3	2.0	0.8	3.3	0.7	1	
Monsanto 10R051B2R2	4.2	1.08	81.4	30.7	9.3	76.1	9.4	1	21-3,31-4

NOTES

Table 24. Production information for furrow irrigated performance test at Texas AgriLife Research, Lubbock, TX 2011

Test:	Bacterial Blight Screening
Planting Date:	May 5
Row Spacing:	40in
Planting Pattern:	Solid
Herbicide:	Treflan @ 1.5 pt/A applied pre-plant
Fertilizer:	100-20-0 lbs/A applied pre-plant
Irrigations:	8.4 acre inches applied pre-plant 2.2 acre inches applied May 27 1.9 acre inches applied June 16 2.4 acre inches applied June 27 2.2 acre inches applied July 11 2.3 acre inches applied July 26 2.0 acre inches applied August 9 2.2 acre inches applied August 21 23.6 acre inches total
Insecticide:	Temik @ 2.4 lbs/A at planting
Freeze Date:	October 27

Table 25. Ratings of the Bacterial Blight variety screening at Texas AgriLife Research, Lubbock 2011

Designation	%Blight	Waller-Duncan	rating
FiberMax FM 2011GT	0	g	Resistant
FiberMax FM 2989GLB2	0	g	Resistant
Monsanto 10R020B2R2	0	g	Resistant
Deltapine DP 1133 B2RF	2.5	fg	Resistant
PhytoGen PHY 375 WRF	3.3	fg	Resistant
FiberMax FM 2484B2F	3.9	fg	Resistant
Croplan Genetics CG 3787B2RF	4.5	fg	Resistant
FiberMax FM 9250GL	5.8	efg	Resistant
FiberMax FM 9101GT	8	d-g	Resistant
NexGen NG2501 B2F	16.4	def	Partially Resistant
FiberMax FM 9160B2F	19.2	de	Partially Resistant
Deltapine DP 1032 B2RF	21.3	d	Partially Resistant
FiberMax FM 9103GT	55.4	c	Intermediate
Monsanto 10R011B2R2	74.8	b	Moderately Susceptible
Deltapine DP 1044 B2RF	76.7	b	Moderately Susceptible
Monsanto 10R051B2R2	77.1	b	Moderately Susceptible
Monsanto 10R013B2R2	81	b	Moderately Susceptible
Stoneville ST 4145LLB2	84.2	ab	Susceptible
PhytoGen PHY 499 WRF	87.2	ab	Susceptible
LBB 08-10-706V	88.7	ab	Susceptible
PhytoGen PHY 565 WRF	89.2	ab	Susceptible
PhytoGen PHY 367 WRF	96.3	a	Susceptible
Croplan Genetics CG 3156B2RF	97.9	a	Susceptible
Deltapine DP 0912 B2RF	97.9	a	Susceptible
Monsanto 10R052B2R2	97.9	a	Susceptible