



2013 National Cotton Variety Test

**Crop Genetics Research Unit
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**National Cotton Variety Tests, 2013
Yield, Boll, Seed, Spinning and Data**

Program Headquarters are located in the Crop Genetics Research Unit, Jamie Whitten Delta States Research Center, United States Department of Agriculture - Agricultural Research Service, Stoneville, Mississippi, in cooperation with the agricultural experiment stations of Alabama, Arkansas, Arizona, California, Georgia, Louisiana, Mississippi, New Mexico, North Carolina, Oklahoma, South Carolina, and Texas.

**The National Cotton Variety Test series is available free of charge from
the National Cotton Variety Test Program.**

National Cotton Variety Tests, 2013.

Yield, Boll, Seed, Spinning, and Fiber Data.

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**United States Department of Agriculture
Agricultural Research Service
Crop Genetics Research Unit
P.O. Box 345
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TEST LOCATIONS

PECOS, TX (IRR)
LUBBOCK, TX (IRR)
COLLEGE STATION, TX
WESLACO, TX
SAINT JOSEPH, LA
STONEVILLE, MS
FLORENCE, SC
ROCKY MOUNT, NC
STARKVILLE, MS
BEEVILLE, TX
PORTAGEVILLE, MO
FIVE POINTS, CA
GRIFFIN, GA
LAS CRUCES, NM
LAMESA, TX (DRY)
THRALL, TX
KEISER, AR
FORT COBB, TX
COMMERCE, TX



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Arkansas -- F. M. Bourland
California -- R. Hutmacher, M. Gore (USDA-ARS)
Georgia -- L. Day
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Missouri - A. Phillips Jones
New Mexico -- J. Zhang
North Carolina - K. Edmisten
Oklahoma -- R. Bowman
South Carolina -- T. Campbell (USDA-ARS) and M. Jones
Texas -- J. Dever, S. Hague, and C. W. Smith

The interest and cooperation of the commercial cottonseed firms of the United States are acknowledged. For the most part, seeds of the regional varieties were contributed by commercial firms. Seeds of varieties used as national standards were supplied by the following organizations:

DP 0912B2RF -- DELTA AND PINE LAND COMPANY;

FM 9058F-- FIBERMAX SEED COMPANY; AND

PHY 375WRF AND PHYTOGEN 725RF -- PHYTOGEN SEED COMPANY



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(As of August 2013)

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National Cotton Variety Test Archive File

The National Cotton Variety Test, from its inception in 1960 to the current year, is maintained in an archive file at the NCVT Program headquarters, Stoneville, MS. These files are available from the ARS Coordinator for the NCVT Program. The following files are available:

Cottonseed Quality Archive File	1977 - 2013
Yield Archive File	1960 - 2013
Fiber Quality Archive File	1960 - 2013
Pima Combed Yarn Archive File	1962 - 2013

Code Files:

- Alpha & Numeric Variety Listings (2 files)
- Alpha & Numeric Location Listings (2 files)
(includes Regional Codes)

The Archive Files, Codes, Content and Index files will be updated to include the current data each year, following the publication of the Annual Report. Write or phone:

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INTRODUCTION

The National Cotton Variety Testing Program, developed from recommendations of the Joint Cotton Breeding Policy Committee, is a uniform system of reporting data from cotton-yield trials across the US Cotton Belt. The trials are conducted annually at selected locations involved in the variety-testing programs of the cooperating State Agricultural Experiment Stations and the Agricultural Research Service. The National Cotton Variety Testing Committee is responsible for coordinating program plans from year to year.

National standard varieties are chosen for a 3-year testing cycle. For the eighteenth 3-year testing cycle, beginning in 2011, the national standards were DP 0912B2RF, FM 9058F, PHY 375WRF, and PHYTOGEN 725RF. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards. Data on the national, regional, and interregional standards were included in this report. All varieties were grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U. S. Department of Agriculture or the cooperating State Agricultural Experiment Stations.

Plot size, cultural practices, number of entries, and sampling methods were left to the discretion of the participating stations. While these details were not rigidly standardized, all tests were conducted by experienced personnel using sound experimental designs and procedures. Yield, boll size, lint percentage, and seed index were supplied by the cooperating stations. AFIS, HVI, and spinning tests were performed by USDA, ARS, SRRC, CSQR, New Orleans, LA, and chemical analyses of seed were completed by Eurofins Scientific, Inc., Memphis, TN. All data were compiled, analyzed, tabulated, and duplicated by the staff of the office of the Program Analyst for the National Cotton Variety Test.

In 1994, the National Cotton Variety Testing Program was organized into the current regional structure. Upland varieties were grown in all tests except the Pima Region. Strains developed in the southern states with superior fiber properties and spinning performance were tested in three contiguous Regions (high quality test). Extra-long-staple American Pima varieties were tested in the Western and Arizona Regions.

In 1996, results of the Regional Project S-205 Regional Bollworm-Budworm Tests and the Regional Short Season Tests were reprinted in this report. The purpose in reprinting this vital information is to assist Regional Project S-205 by making the data more widely available to the Cotton Improvement Community. These results are no longer provided to the National Cotton Variety Testing staff.

Beginning with the 2013 NCVT publication, services previously provided by StarLab, Inc., Knoxville, TN, were discontinued due to the laboratory closure. Analysis of fiber samples were performed by the Cotton Structure and Quality Research Unit, USDA, ARS, SRRC, New Orleans, LA. Fiber sample analysis includes HVI, AFIS, and Spinning data.



REGIONAL TESTS PARTICIPATING STATIONS

Eastern Regional Cotton Variety Test (Upland Varieties)

Georgia Agricultural Experiment Station	
Georgia Coastal Experiment Station	Tifton, GA
Clemson University	
Pee Dee Experiment Station	Florence, SC

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station	
Delta Substation	Clarkedale, AR
Mississippi Agricultural and Forestry Experiment Station	
Delta Branch	Stoneville, MS
Louisiana Agricultural Experiment Station	
Northeast Louisiana Experiment Station	St. Joseph, LA

Central Regional Cotton Variety Test (Upland Varieties)

Louisiana Agricultural Experiment Station	
Red River Valley Experiment Station	Bossier City, LA
Texas A&M University	
Extension Center	Weslaco, TX
Main Station	College Station, TX
Off-Station Test	Neuces County, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University
Agricultural Research and Extension
Stiles Farm Foundation
Dallas, TX
Thrall, TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station
Cotton Research Station
Irrigated Test
Dryland Test
Chickasha, OK
Chickasha, OK
Irrigation Experiment Station
Altus, OK
Southwest Agronomy Research Station
Dryland Test
Tipton, OK
Texas A&M University
Agricultural Research and Extension Center (Lubbock)
Irrigated Test
Off-Station (Dryland Test)
Lubbock, TX
Lamesa, TX

Western Regional Cotton Variety Test (Upland Varieties)

New Mexico Agricultural Experiment Station
Main Station
Southeastern Branch Station
Las Cruces, NM
Artesia, NM
Texas A&M University
Agricultural Research Center
Pecos, TX

High Quality Regional Cotton Variety Test

Arkansas Agricultural Experiment Station
Delta Substation
Keiser, AR
Portageville, MO
Clemson University
Pee Dee Experiment Station
Florence, SC
Georgia Agricultural Experiment Station
Louisiana Agricultural Experiment Station
Red River Valley Experiment Station
Bossier City, LA
Mississippi Agricultural and Forestry Experiment Station

Delta Branch
Texas A&M University
Texas Agricultural Experiment Station
Agricultural Research and Extension Center

Stoneville, MS
College Station, TX
Lubbock, TX

[Pima](#) Regional Cotton Variety Test
Arizona Agricultural Experiment Station
Cotton Research Center
Agricultural Research and Extension Center

Maricopa, AZ
El Paso, TX

Combed-Yarn Test (American Pima Varieties)**

American Pima cottons are commonly spun into combed yarns. In addition to the carded yarn tenacity, combed-yarn tests of Pima cotton grown at two locations conducting the Pima Regional Cotton Variety Test were made by the Agricultural Marketing Service, United States Department of Agriculture, Cotton Testing Section at Clemson, SC. Classer's grade and staple, yarn tenacity of 11.8- and 7.4- tex (50's and 80's cotton count) yarns, appearance index, imperfections per 1,000 yards, and waste percentages are reported.

**Test was discontinued in 1994 due to costs of processing samples.



EXPLANATIONS AND DEFINITIONS

No interpretation of the test results other than the indication of the significant difference among means based on an analysis of variance is presented. The variety x location interaction mean square was used as the Error term in F tests and Duncan's Multiple Range tests in the combined-over-locations ANOVA for each region. Statistical analyses and Duncan's Multiple Range tests were performed using SAS. A randomized complete block design was used for all analyses, although some tests were planted in lattice designs.

The yield reported for each variety is the average derived from the number of replications used. From three to

six replications were planted, depending on the station, with four replications being more commonly used. Boll size, lint percentage, and seed, fiber, and yarn data were based on two replications of each variety at all locations.

The tables for each regional test are arranged as follows: In the first four tables, average data for the entire region are given by cotton variety and location; the entries in these tables are arranged in order of decreasing lint yield. Following these tables average data for each location in the region are given, each table being arranged by variety in order of decreasing lint yield.

The column headings and symbols are presented in order of placement in the tables and defined as follows:

Breeder Data

Lint yield: The mean production of the plots harvested, expressed in pounds of lint per acre and reported as estimated by each participant.

Seed Yield/Acre: The yield in pounds of seed per acre for each plot was calculated and reported. (Reporting started with the 1994 tests.) The calculation used is:

$$(\text{LINT YIELD/ACRE}) \times ((100 - \text{LINT}\%) / \text{LINT}\%)$$

Lint percent: The mass of lint ginned from a sample of seed cotton, expressed as a percentage of the mass of seed cotton.

Seed index: The mass of 100 fuzzy seeds, in grams.

Boll size: The mass, in grams, per boll of seed cotton.

Seed Traits

Oil: The oil in fuzzy seeds as determined by AOCS Method Aa 4-38; expressed as a percentage of the mass of the fuzzy seeds.

N (Nitrogen): The nitrogen in fuzzy seeds as determined by AOCS Method Ba 4-38; expressed as a percentage of the mass of fuzzy seeds. The percentage of nitrogen multiplied by 6.25 is an

approximation of the percentage of protein.

Gossypol:

Processing protocols:

The gossypol content (including free and bound gossypol as well as methoxy-gossypol) in fuzzy seeds is determined by the HPLC Method described in AOCS Recommended Practice Ba 8a-99. The HPLC Method described in Vol. 59, page 546, 1982 of the Journal of the American Oil Chemist's Society is modified as follows: Immediately after obtaining the hull-free kernels, they were dried in a forced-draft oven at 180°F for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. This modification reduced free moisture on the kernels with which the gossypol could interact and become bound to the protein thus reducing the free gossypol content. The use of this modification method (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years.

Gossypol is a terpenoid aldehyde that exists in two enantiomeric forms, (+) and (-); both determinations are reported labeled as 'Plus' and 'Minus' gossypol.

Free gossypol: Free gossypol is expressed as a percentage of the mass of the kernel.

HVI® Fiber Traits

Processing protocol:

Samples are conditioned according to ASTM D1776 prior to testing.

HVI (High Volume Instrument): An instrument system used to measure length, strength, micronaire, and color of cotton fibers.

MIC (Micronaire): The fineness of the sample taken from the ginned lint, measured by a Fibronaire and expressed in standard (curvilinear scale) micronaire units.

UHML (Upper Half Mean Length): the average length of the longer one-half of the fibers.

UI (Uniformity Index): the ratio between the mean length and the upper half man length (UHML) of the

fibers expressed as a percentage.

STR (Strength): The fiber strength of a bundle of fibers measured with the two jaws holding the fiber bundle separated by one-eighth inch, expressed in grams force per tex. In reports prior to 2013, this measurement was called Tenacity. Since the physical nature of this measurement is under investigation, use of the more general term seems appropriate.

ELO (Elongation): Elongation at point of break in strength determination.

Colorimeter:

Rd: The percentage of the reflectance; the higher the value, the lighter the cotton.

Hunter's Plus b (or +b) value: A measure of increasing yellowness of the cotton.

Spinning Data

Processing protocol:

60g of each sample was opened in a SpinLab Opener/Blender then carded at approximately 20 lbs/hr on a modified Saco Lowell Model 100 carding machine. Sliver was drawn twice on a modified Saco Lowell Model DF 11 draw frame to produce 42 grain/yd sliver suitable for spinning. Ring spinning was performed on an SDL Atlas Miniature Ring-Spinning frame to produce Ne 22/1 ring-spun yarn at 8,000 rpm spindle speed. One bobbin of yarn was produced per sample and tested per ASTM D1578, option 1 with results calculated using Equation 6. Waste percentage as reported is the percentage of material removed during the carding process.

Waste. The difference in mass, expressed as a percentage of the fed stock and delivered stock.

YT (Yarn tenacity): In the Regional test the standard skein strength of the yarn in millinewtons per tex (mN/tex) is estimated from miniature skeins. The data are adjusted to standard skein basis and corrected to 27 tex.

AFIS Fiber Traits

Processing protocol:

The measurement of 3 slivers (0.5g per sliver) for each sample with 5,000 fibers measured per sliver by the Uster AFIS®. All samples are conditioned according to ASTM D1776.

L(n) (Length by number)[inches]: Mean length of fibers calculated by number.

L(w)(Length by weight): The average length of all the fibers in the sample computed on a weight basis.

SFC(n)(Short fiber content by number): The percent of the fibers, calculated by number, that are less than 0.50 in.

SFC(w) (Short fiber content by weight): The percent of the fibers, calculated by weight, that are less than 0.50 in.

UQL(w) (Upper quartile length of the fibers by weight): This is the length which is exceeded by 25% of the fibers by weight.

Fineness: Mean fiber fineness (weight per unit length) in millitex. One thousand meters of fibers with a mass of 1 milligram equals 1 millitex.

IFC (Immature Fiber Content): The percentage of fibers with less than 0.25 circularity. The lower the IFC%, the more suitable the fiber is for dyeing.

MR (Maturity Ratio): The ratio of fibers with a 0.5 (or more) circularity divided by the amount of fibers with a 0.25 (or less) circularity. The higher the maturity ratio, the more mature the fibers are and the better the fibers are for dyeing.

Nep Cnt/g (Nep Count per Gram): The total nep count normalized per gram. This includes both fiber and seed coat neps.

SCN Cnt/g (Seed Coat Nep Count per Gram): This is the number of neps normalized per gram that are classified as seed coat neps.

VARIETIES TESTED IN 2013:

CODE	VARIETY	IN REGIONAL TEST
1428	AM 1511B2RF	DELTA, EASTERN
1345	AMERICOT 1550B2RF	BLACKLANDS, CENTRAL
1454	Ark 0606-1	HIGH QUALITY
1455	Ark 0614-1	HIGH QUALITY
1456	Ark 1517-28	HIGH QUALITY
1411	AT Epic RF	BLACKLANDS, CENTRAL, PLAINS
1463	DC F6 Bulk Pop	HIGH QUALITY
1467	DG 2285B2RF	EASTERN
1448	DG 2610B2RF	EASTERN
1412	DP 0912B2RF	NATIONAL STANDARD; ALL EXCEPT PIMA
1427	DP 1044B2RF	BLACKLANDS, CENTRAL, PLAINS, DELTA
1397	DP 1050B2RF	EASTERN, HIGH QUALITY
1429	DP 1137B2RF	EASTERN
1436	DP 1219B2RF	HIGH QUALITY
1449	DP 1252B2RF	EASTERN
1457	DP 1321B2RF	HIGH QUALITY
1370	DP 161B2RF	WESTERN
1272	DP 340	PIMA
1374	DP 357	PIMA
1471	DP 358RF	PIMA
1358	FM 1740B2F	BLACKLANDS, CENTRAL, DELTA
1451	FM 1944GLB2	EASTERN, HIGH QUALITY
1441	FM 2484B2F	HIGH QUALITY
1460	FM 8270GLB2	HIGH QUALITY
1344	FM 9058F	NATIONAL STANDARD; ALL EXCEPT PIMA
1413	FM 9170B2F	WESTERN
1352	FM 9180B2F	PLAINS
1442	LA 17	HIGH QUALITY
1421	LA35RS	HIGH QUALITY
1462	MD10-6	HIGH QUALITY
1410	NG 3348B2F	PLAINS
1466	NG 5315B2RF	EASTERN
1464	NGX 3306B2RF	HIGH QUALITY
1469	PHY 339WRF	EASTERN, HIGH QUALITY
1326	PHY 375WRF	NATIONAL STANDARD; ALL EXCEPT PIMA
1453	PHY 399WRF	DELTA
1404	PHY 499WRF	BLACKLANDS, CENTRAL, DELTA, EASTERN, PLAINS
1470	PHY 575WRF	EASTERN

1361	PHY 755WRF	WESTERN
1273	PHY 800	PIMA
1433	PHY 802	PIMA
1472	PHY 811RF	PIMA
1426	Phytogen 725RF	NATIONAL STANDARD; ALL EXCEPT PIMA AND HIGH QUALITY
1458	PX 3122-40WRF	HIGH QUALITY
1459	PX 4444-13WRF	HIGH QUALITY
1376	ST 5458B2RF	DELTA, PLAINS
1452	ST 5488B2F	PLAINS
1461	ST 6448GLB2	HIGH QUALITY
1450	UA 222	EASTERN



United States Department of Agriculture

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PLAINS REGION

OVERALL SUMMARIES FOR PLAINS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
						-----GOSSYPOL DATA-----				
1452 ST 5488B2F	1920	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	1583	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	1175	1499	36.4	9.6	4.35	20.60	3.54	0.58	0.37	0.94
1412 DP 0912B2RF	1038	1431	38.6	9.4	4.75	19.68	3.55	0.59	0.44	1.03
1352 FM 9180B2F	1016	1324	36.0	10.5	4.93	22.19	3.66	0.42	0.37	0.79
1411 AT Epic RF	987	1329	39.4	9.7	4.58	19.38	3.95	0.53	0.39	0.92
1376 ST 5458B2RF	965	1533	37.9	9.8	4.68	21.86	3.56	0.57	0.40	0.97
1344 FM 9058F	894	1121	37.9	10.0	4.73	20.96	3.63	0.31	0.35	0.66
1410 NG 3348B2F	856	1152	36.7	10.6	4.98	22.45	3.76	0.60	0.36	0.96
1326 PHY 375WRF	820	920	38.5	8.9	4.60	19.33	3.84	0.44	0.36	0.80
1426 Phytogen 725RF	638	837	35.1	10.2	4.15	20.82	3.85	0.40	0.30	0.70
. LSD	429	607	2.1	0.3	0.73	1.15	0.15	0.11	0.07	0.17

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	4.78	0.85	1.115	82.4	9.0	29.4	9.3	81.4	8.4	5	42.44
1412 DP 0912B2RF	5.10	0.87	1.057	81.5	11.0	28.9	8.6	80.6	8.8	4	46.92
1352 FM 9180B2F	4.57	0.86	1.106	81.4	9.9	31.0	7.7	82.9	8.1	4	52.08
1411 AT Epic RF	4.71	0.85	1.087	82.3	9.8	28.9	9.7	79.8	9.2	4	44.52
1376 ST 5458B2RF	5.03	0.87	1.094	80.9	10.9	30.6	7.9	78.7	9.1	5	44.48
1344 FM 9058F	4.38	0.86	1.105	80.8	11.7	29.4	7.1	82.8	8.1	5	46.44
1410 NG 3348B2F	4.40	0.86	1.082	82.0	10.2	29.3	7.7	80.3	8.8	5	46.54
1326 PHY 375WRF	4.38	0.85	1.065	80.6	11.7	28.0	8.0	80.5	9.0	5	44.25
1426 Phytogen 725RF	4.51	0.85	1.153	82.3	9.0	33.4	8.7	80.3	8.9	5	56.85
. LSD	0.35	0.01	0.040	1.3	1.9	1.6	0.5	1.7	0.3	1	4.26

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (#m)	SCN (#m)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	0.80	0.97	22.8	8.0	1.15	166.8	4.3	0.83	197	6
1412 DP 0912B2RF	0.79	0.94	21.0	7.2	1.10	184.3	2.8	0.93	160	7
1352 FM 9180B2F	0.79	0.97	23.5	8.4	1.16	155.1	4.4	0.86	202	5
1411 AT Epic RF	0.80	0.95	21.0	7.5	1.13	163.4	4.3	0.84	181	4
1376 ST 5458B2RF	0.80	0.97	23.3	8.2	1.17	171.3	3.3	0.89	150	5
1344 FM 9058F	0.75	0.94	27.0	9.7	1.14	159.7	4.3	0.90	233	8
1410 NG 3348B2F	0.79	0.96	23.8	8.4	1.15	157.4	4.8	0.85	221	9
1326 PHY 375WRF	0.76	0.92	25.5	9.2	1.11	162.7	4.1	0.90	236	7
1426 Phytogen 725RF	0.85	1.02	19.5	6.4	1.21	161.9	3.2	0.93	211	7
. LSD	0.03	0.02	3.5	1.7	0.04	17.3	1.4	0.11	90	4

sub reg=11 REGION=PLAINS

VARIETY	-----SEED PROPERTIES-----									
	-----GOSSYPOL DATA-----					OIL (%)	N (%)	PLUS	MINUS	FREE (%)
LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)						
1452 ST 5488B2F	1920	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	1583	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	1175	1499	36.4	9.6	4.35	20.60	3.54	0.58	0.37	0.94
1412 DP 0912B2RF	1038	1431	38.6	9.4	4.75	19.68	3.55	0.59	0.44	1.03
1352 FM 9180B2F	1016	1324	36.0	10.5	4.93	22.19	3.66	0.42	0.37	0.79
1411 AT Epic RF	987	1329	39.4	9.7	4.58	19.38	3.95	0.53	0.39	0.92

1376 ST 5458B2RF	965	1533	37.9	9.8	4.68	21.86	3.56	0.57	0.40	0.97
1344 FM 9058F	894	1121	37.9	10.0	4.73	20.96	3.63	0.31	0.35	0.66
1410 NG 3348B2F	856	1152	36.7	10.6	4.98	22.45	3.76	0.60	0.36	0.96
1326 PHY 375WRF	820	920	38.5	8.9	4.60	19.33	3.84	0.44	0.36	0.80
1426 Phytogen 725RF	638	837	35.1	10.2	4.15	20.82	3.85	0.40	0.30	0.70
. LSD	429	607	2.1	0.3	0.73	1.15	0.15	0.11	0.07	0.17

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	4.78	0.85	1.115	82.4	9.0	29.4	9.3	81.4	8.4	5	42.44
1412 DP 0912B2RF	5.10	0.87	1.057	81.5	11.0	28.9	8.6	80.6	8.8	4	46.92
1352 FM 9180B2F	4.57	0.86	1.106	81.4	9.9	31.0	7.7	82.9	8.1	4	52.08
1411 AT Epic RF	4.71	0.85	1.087	82.3	9.8	28.9	9.7	79.8	9.2	4	44.52
1376 ST 5458B2RF	5.03	0.87	1.094	80.9	10.9	30.6	7.9	78.7	9.1	5	44.48
1344 FM 9058F	4.38	0.86	1.105	80.8	11.7	29.4	7.1	82.8	8.1	5	46.44
1410 NG 3348B2F	4.40	0.86	1.082	82.0	10.2	29.3	7.7	80.3	8.8	5	46.54
1326 PHY 375WRF	4.38	0.85	1.065	80.6	11.7	28.0	8.0	80.5	9.0	5	44.25
1426 Phytogen 725RF	4.51	0.85	1.153	82.3	9.0	33.4	8.7	80.3	8.9	5	56.85
. LSD	0.35	0.01	0.040	1.3	1.9	1.6	0.5	1.7	0.3	1	4.26

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	0.80	0.97	22.8	8.0	1.15	166.8	4.3	0.83	197	6
1412 DP 0912B2RF	0.79	0.94	21.0	7.2	1.10	184.3	2.8	0.93	160	7
1352 FM 9180B2F	0.79	0.97	23.5	8.4	1.16	155.1	4.4	0.86	202	5
1411 AT Epic RF	0.80	0.95	21.0	7.5	1.13	163.4	4.3	0.84	181	4
1376 ST 5458B2RF	0.80	0.97	23.3	8.2	1.17	171.3	3.3	0.89	150	5
1344 FM 9058F	0.75	0.94	27.0	9.7	1.14	159.7	4.3	0.90	233	8
1410 NG 3348B2F	0.79	0.96	23.8	8.4	1.15	157.4	4.8	0.85	221	9
1326 PHY 375WRF	0.76	0.92	25.5	9.2	1.11	162.7	4.1	0.90	236	7
1426 Phytogen 725RF	0.85	1.02	19.5	6.4	1.21	161.9	3.2	0.93	211	7
. LSD	0.03	0.02	3.5	1.7	0.04	17.3	1.4	0.11	90	4

----- sub reg=12 REGION=PLAINS -----

VARIETY	-----SEED PROPERTIES-----									
	-----GOSSYPOL DATA-----					OIL (%)	N (%)	PLUS	MINUS	FREE (%)
LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)						
1412 DP 0912B2RF	2264	3388	40.5	11.1	7.77	20.16	2.90	0.87	0.62	1.49
1411 AT Epic RF	2059	2680	43.5	10.7	7.93	21.89	3.08	0.87	0.63	1.50
1326 PHY 375WRF	2052	2540	44.4	10.7	8.30	21.07	3.17	0.81	0.63	1.43
1376 ST 5458B2RF	2048	3102	40.2	11.3	7.53	23.70	2.92	0.90	0.59	1.49
1427 DP 1044B2RF	1997	2727	41.6	9.6	6.37	22.53	2.88	0.81	0.52	1.33

1352 FM 9180B2F	1935	2998	39.4	11.7	7.90	23.10	2.95	0.73	0.61	1.34
1344 FM 9058F	1871	2713	40.5	11.5	8.47	22.53	2.92	0.59	0.57	1.16
1410 NG 3348B2F	1870	2929	38.6	11.7	7.73	21.82	3.02	0.73	0.45	1.17
1426 Phytogen 725RF	1687	2622	39.3	11.9	7.67	23.16	3.01	0.63	0.49	1.12

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	4.75	0.86	1.152	83.4	8.3	29.9	8.0	77.4	6.0	11	48.43
1411 AT Epic RF	4.46	0.85	1.212	84.8	7.3	30.1	8.3	78.7	6.8	10	48.24
1326 PHY 375WRF	4.44	0.86	1.142	83.1	8.7	27.5	7.5	78.2	6.3	12	46.66
1376 ST 5458B2RF	4.76	0.87	1.147	81.7	10.7	28.9	7.2	77.1	6.8	11	51.87
1427 DP 1044B2RF	4.48	0.85	1.145	83.8	8.2	28.6	8.9	78.2	6.5	12	45.20
1352 FM 9180B2F	4.23	0.86	1.215	84.6	7.4	31.7	7.3	77.7	5.1	16	49.55
1344 FM 9058F	3.99	0.85	1.218	83.3	8.3	31.3	7.4	78.0	5.3	14	54.39
1410 NG 3348B2F	3.88	0.85	1.177	83.0	9.4	30.0	7.4	77.2	5.6	16	48.79
1426 Phytogen 725RF	4.28	0.85	1.260	85.0	6.6	34.2	7.8	76.7	6.3	13	56.78

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP ($\frac{1}{4}$ m)	SCN ($\frac{1}{4}$ m)	
1412 DP 0912B2RF	0.85	1.02	21.5	7.0	1.22	167.1	4.0	0.87	129	22	
1411 AT Epic RF	0.85	1.03	21.5	6.9	1.23	159.7	4.1	0.86	143	12	
1326 PHY 375WRF	0.80	0.98	24.5	8.5	1.18	157.1	4.4	0.86	138	8	
1376 ST 5458B2RF	0.83	1.02	24.0	8.0	1.23	171.3	3.4	0.90	114	8	
1427 DP 1044B2RF	0.83	1.01	22.5	7.3	1.20	163.3	4.3	0.85	124	18	
1352 FM 9180B2F	0.87	1.06	22.0	7.0	1.28	153.8	4.1	0.87	155	23	
1344 FM 9058F	0.85	1.05	24.0	8.0	1.28	146.2	4.9	0.85	135	17	
1410 NG 3348B2F	0.80	1.00	26.0	9.4	1.22	149.8	5.8	0.83	251	19	
1426 Phytogen 725RF	0.92	1.11	18.5	5.6	1.33	154.9	3.5	0.89	166	23	

LOCATION	-----SEED PROPERTIES-----					-----GOSSYPOL DATA-----				
	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
FORT COBB, TX	1976	2855	40.9	11.1	7.74	22.22	2.98	0.77	0.56	1.33
LUBBOCK, TX (IRR)	1153	1069	37.4	10.2	4.73	21.56	3.57	0.55	0.43	0.98
LAMESA, TX (DRY)	843	1408	37.3	9.5	4.54	20.06	3.83	0.43	0.31	0.74

LOCATION	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
FORT COBB, TX	4.36	0.85	1.185	83.6	8.3	30.2	7.7	77.7	6.1	13	49.99
LUBBOCK, TX (IRR)	4.70	0.86	1.107	81.9	9.6	29.8	8.6	82.2	8.4	5	47.24
LAMESA, TX (DRY)	4.60	0.86	1.085	81.2	11.1	29.9	8.0	79.5	9.0	5	47.09

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
LOCATION	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP ($\frac{1}{4}$ m)	SCN ($\frac{1}{4}$ m)
FORT COBB, TX	0.84	1.03	22.7	7.5	1.24	158.1	4.3	0.86	150	16
LUBBOCK, TX (IRR)	0.81	0.97	21.2	7.3	1.15	171.5	3.5	0.91	183	6
LAMESA, TX (DRY)	0.78	0.95	24.8	8.9	1.14	157.9	4.4	0.85	215	7

LOCATION=LUBBOCK, TX (IRR)

-----SEED PROPERTIES-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA-----		
								PLUS	MINUS	FREE (%)
1452 ST 5488B2F	1920	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	1583	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	1187	1078	37.0	10.0	4.40	21.02	3.41	0.59	0.41	1.00
1352 FM 9180B2F	1136	1060	35.9	10.7	4.85	22.91	3.54	0.47	0.43	0.90
1326 PHY 375WRF	1134	1111	40.0	9.3	5.15	20.87	3.74	0.54	0.46	1.00
1411 AT Epic RF	1104	1357	38.9	10.0	4.45	20.30	3.83	0.63	0.47	1.09
1412 DP 0912B2RF	1097	1263	38.5	9.8	4.95	20.10	3.34	0.66	0.49	1.15
1344 FM 9058F	1089	1032	37.4	10.3	4.80	21.71	3.55	0.35	0.42	0.77
1410 NG 3348B2F	964	869	36.3	11.0	4.85	22.86	3.69	0.66	0.41	1.07
1376 ST 5458B2RF	799	1271	38.2	10.1	4.65	22.64	3.40	0.67	0.48	1.15
1426 Phytogen 725RF	675	580	34.7	10.5	4.45	21.60	3.68	0.42	0.33	0.74
. LSD	543	437	1.6	0.7	0.95	1.02	0.24	0.09	0.05	0.14

-----HVI FIBER PROPERTIES-----										--SPINNING DATA--	
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	4.91	0.86	1.103	82.6	8.9	28.7	9.6	82.2	8.2	4	41.19
1352 FM 9180B2F	4.48	0.85	1.122	81.2	9.7	31.6	8.2	83.8	7.9	4	51.51
1326 PHY 375WRF	4.63	0.86	1.078	81.1	10.3	28.0	8.2	83.0	8.5	4	43.12
1411 AT Epic RF	4.73	0.85	1.100	82.6	8.8	28.9	10.2	81.4	8.8	4	45.20
1412 DP 0912B2RF	5.03	0.86	1.077	82.8	9.4	29.1	9.1	81.9	8.5	5	49.05
1344 FM 9058F	4.42	0.86	1.134	81.3	10.7	29.8	7.5	84.0	7.9	4	47.20
1410 NG 3348B2F	4.48	0.86	1.102	82.3	9.4	29.1	8.0	81.6	8.6	5	46.08
1376 ST 5458B2RF	5.12	0.87	1.096	81.1	10.1	30.8	8.1	80.3	8.8	5	46.50
1426 Phytogen 725RF	4.48	0.85	1.154	82.5	9.1	32.5	8.8	81.4	8.7	5	55.34
. LSD	0.24	0.01	0.036	1.4	1.7	1.4	0.6	1.1	0.4	2	5.42

-----ADVANCED FIBER INFORMATION SYSTEM (AFIBS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP ($\frac{1}{4}$ m)	SCN ($\frac{1}{4}$ m)
1452 ST 5488B2F	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	.	.	.	.	.	.	.	.	.	.
1427 DP 1044B2RF	0.81	0.96	21.0	7.3	1.14	169.9	3.8	0.84	170	5
1352 FM 9180B2F	0.80	0.98	23.0	8.3	1.18	157.9	4.4	0.86	225	7
1326 PHY 375WRF	0.78	0.94	22.0	7.7	1.11	177.3	3.0	0.97	177	6
1411 AT Epic RF	0.82	0.97	20.5	7.2	1.14	164.7	4.4	0.84	169	4
1412 DP 0912B2RF	0.82	0.96	18.5	6.0	1.11	194.5	2.2	1.00	165	9
1344 FM 9058F	0.78	0.96	24.0	8.1	1.14	173.9	3.4	0.97	181	8
1410 NG 3348B2F	0.81	0.97	22.5	7.8	1.16	159.2	4.6	0.86	222	7
1376 ST 5458B2RF	0.83	0.99	21.0	7.2	1.19	175.7	3.1	0.91	124	4
1426 Phytogen 725RF	0.86	1.03	18.5	5.9	1.21	170.9	2.7	0.99	219	6
. LSD	0.04	0.04	5.1	2.0	0.04	10.0	0.8	0.02	62	8

LOCATION=LAMESA, TX (DRY)

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1427 DP 1044B2RF	1163	1920	35.7	9.1	4.30	20.18	3.66	0.56	0.32	0.88
1376 ST 5458B2RF	1130	1795	37.5	9.5	4.70	21.08	3.72	0.48	0.32	0.80
1412 DP 0912B2RF	980	1599	38.7	9.1	4.55	19.27	3.76	0.52	0.39	0.91
1352 FM 9180B2F	896	1588	36.1	10.4	5.00	21.47	3.79	0.38	0.31	0.69
1411 AT Epic RF	871	1301	39.8	9.5	4.70	18.47	4.07	0.44	0.31	0.74
1410 NG 3348B2F	748	1436	37.0	10.3	5.10	22.05	3.83	0.53	0.32	0.85
1344 FM 9058F	698	1210	38.5	9.7	4.65	20.21	3.72	0.27	0.28	0.55
1426 Phytogen 725RF	601	1093	35.6	9.9	3.85	20.04	4.02	0.38	0.27	0.65
1326 PHY 375WRF	505	729	37.0	8.5	4.05	17.78	3.94	0.34	0.27	0.60
. LSD	138	299	1.7	0.7	0.72	1.21	0.28	0.04	0.04	0.08

-----HVI FIBER PROPERTIES-----										--SPINNING DATA--	
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1427 DP 1044B2RF	4.65	0.85	1.127	82.2	9.1	30.1	9.1	80.5	8.7	5	43.70
1376 ST 5458B2RF	4.95	0.87	1.092	80.7	11.6	30.3	7.8	77.2	9.5	5	42.45
1412 DP 0912B2RF	5.17	0.87	1.038	80.3	12.7	28.8	8.2	79.4	9.2	4	44.79
1352 FM 9180B2F	4.67	0.87	1.089	81.5	10.1	30.4	7.3	82.1	8.3	5	52.65
1411 AT Epic RF	4.68	0.86	1.073	82.0	10.8	28.9	9.1	78.3	9.5	5	43.85
1410 NG 3348B2F	4.33	0.86	1.062	81.8	11.1	29.6	7.5	79.1	9.0	6	47.01
1344 FM 9058F	4.35	0.86	1.077	80.3	12.7	28.9	6.8	81.7	8.3	5	45.67
1426 Phytogen 725RF	4.54	0.86	1.153	82.2	9.0	34.4	8.6	79.3	9.0	4	58.37

1326 PHY 375WRF	4.12	0.85	1.051	80.1	13.2	28.0	7.9	78.0	9.4	5	45.38
. LSD	0.31	0.01	0.042	0.7	1.7	2.4	0.5	0.8	0.5	1	4.32

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP ($\frac{1}{4}$ m)	SCN ($\frac{1}{4}$ m)
1427 DP 1044B2RF	0.80	0.97	24.5	8.7	1.17	163.6	4.9	0.82	224	7
1376 ST 5458B2RF	0.78	0.95	25.5	9.2	1.15	167.0	3.5	0.88	177	5
1412 DP 0912B2RF	0.77	0.93	23.5	8.3	1.10	174.0	3.5	0.87	156	6
1352 FM 9180B2F	0.79	0.96	24.0	8.6	1.15	152.4	4.5	0.86	180	4
1411 AT Epic RF	0.79	0.94	21.5	7.7	1.12	162.2	4.1	0.84	194	4
1410 NG 3348B2F	0.77	0.94	25.0	9.0	1.14	155.6	5.0	0.84	220	11
1344 FM 9058F	0.73	0.92	30.0	11.3	1.13	145.5	5.3	0.83	285	8
1426 Phytogen 725RF	0.84	1.01	20.5	6.9	1.21	152.9	3.6	0.87	203	8
1326 PHY 375WRF	0.73	0.91	29.0	10.8	1.11	148.1	5.3	0.82	295	8
. LSD	0.04	0.05	4.0	1.8	0.05	7.6	0.9	0.02	71	8

LOCATION=FORT COBB, TX

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	2264	3388	40.5	11.1	7.77	20.16	2.90	0.87	0.62	1.49
1411 AT Epic RF	2059	2680	43.5	10.7	7.93	21.89	3.08	0.87	0.63	1.50
1326 PHY 375WRF	2052	2540	44.4	10.7	8.30	21.07	3.17	0.81	0.63	1.43
1376 ST 5458B2RF	2048	3102	40.2	11.3	7.53	23.70	2.92	0.90	0.59	1.49
1427 DP 1044B2RF	1997	2727	41.6	9.6	6.37	22.53	2.88	0.81	0.52	1.33
1352 FM 9180B2F	1935	2998	39.4	11.7	7.90	23.10	2.95	0.73	0.61	1.34
1344 FM 9058F	1871	2713	40.5	11.5	8.47	22.53	2.92	0.59	0.57	1.16
1410 NG 3348B2F	1870	2929	38.6	11.7	7.73	21.82	3.02	0.73	0.45	1.17
1426 Phytogen 725RF	1687	2622	39.3	11.9	7.67	23.16	3.01	0.63	0.49	1.12
. LSD	175	405	2.4	1.0	1.08	1.21	0.19	0.14	0.11	0.26

-----HVI FIBER PROPERTIES-----											
-----SPINNING DATA-----											
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	4.75	0.86	1.152	83.4	8.3	29.9	8.0	77.4	6.0	11	48.43
1411 AT Epic RF	4.46	0.85	1.212	84.8	7.3	30.1	8.3	78.7	6.8	10	48.24
1326 PHY 375WRF	4.44	0.86	1.142	83.1	8.7	27.5	7.5	78.2	6.3	12	46.66
1376 ST 5458B2RF	4.76	0.87	1.147	81.7	10.7	28.9	7.2	77.1	6.8	11	51.87
1427 DP 1044B2RF	4.48	0.85	1.145	83.8	8.2	28.6	8.9	78.2	6.5	12	45.20
1352 FM 9180B2F	4.23	0.86	1.215	84.6	7.4	31.7	7.3	77.7	5.1	16	49.55
1344 FM 9058F	3.99	0.85	1.218	83.3	8.3	31.3	7.4	78.0	5.3	14	54.39
1410 NG 3348B2F	3.88	0.85	1.177	83.0	9.4	30.0	7.4	77.2	5.6	16	48.79
1426 Phytogen 725RF	4.28	0.85	1.260	85.0	6.6	34.2	7.8	76.7	6.3	13	56.78
. LSD	0.26	0.01	0.036	1.4	1.2	1.7	0.8	1.2	0.8	6	7.10

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP ($\frac{1}{4}$ m)	SCN ($\frac{1}{4}$ m)
1412 DP 0912B2RF	0.85	1.02	21.5	7.0	1.22	167.1	4.0	0.87	129	22
1411 AT Epic RF	0.85	1.03	21.5	6.9	1.23	159.7	4.1	0.86	143	12
1326 PHY 375WRF	0.80	0.98	24.5	8.5	1.18	157.1	4.4	0.86	138	8
1376 ST 5458B2RF	0.83	1.02	24.0	8.0	1.23	171.3	3.4	0.90	114	8
1427 DP 1044B2RF	0.83	1.01	22.5	7.3	1.20	163.3	4.3	0.85	124	18
1352 FM 9180B2F	0.87	1.06	22.0	7.0	1.28	153.8	4.1	0.87	155	23
1344 FM 9058F	0.85	1.05	24.0	8.0	1.28	146.2	4.9	0.85	135	17
1410 NG 3348B2F	0.80	1.00	26.0	9.4	1.22	149.8	5.8	0.83	251	19
1426 Phytogen 725RF	0.92	1.11	18.5	5.6	1.33	154.9	3.5	0.89	166	23
. LSD	0.06	0.05	5.8	2.2	0.05	8.6	1.1	0.02	105	19



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CENTRAL REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	-----GOSSYPOL DATA-----		FREE (%)
								PLUS	MINUS	
1404 PHY 499WRF	1336	1631	45.1	8.3	3.83	18.84	3.50	0.71	0.43	1.15
1427 DP 1044B2RF	1263	1950	42.7	8.0	3.77	19.57	3.27	0.72	0.41	1.13
1326 PHY 375WRF	1173	1638	43.8	8.4	3.93	18.52	3.57	0.62	0.44	1.06
1412 DP 0912B2RF	1166	1742	42.7	8.6	3.95	18.61	3.04	0.66	0.47	1.13
1358 FM 1740B2F	1110	1603	42.2	8.6	4.27	20.64	3.22	0.56	0.43	0.98
1345 AMERICOT 1550B2RF	1109	1448	43.0	8.7	4.22	19.37	3.45	0.79	0.50	1.29
1344 FM 9058F	1075	1940	40.9	9.4	4.58	18.91	3.19	0.40	0.40	0.80
1411 AT Epic RF	1010	1555	42.1	9.0	4.62	17.79	3.31	0.70	0.47	1.16
1426 Phytogen 725RF	1003	1654	39.9	9.5	4.38	19.75	3.34	0.52	0.37	0.88
. LSD	324	582	2.9	0.4	0.61	2.09	0.34	0.12	0.07	0.19

-----HVI FIBER PROPERTIES-----											--SPINNING DATA--	
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
1404	PHY 499WRF	4.96	0.86	1.074	82.5	9.6	30.1	9.0	75.6	8.6	10	46.27
1427	DP 1044B2RF	4.92	0.86	1.067	81.3	11.6	28.3	8.8	77.3	8.8	10	47.55
1326	PHY 375WRF	4.68	0.87	1.035	80.9	11.8	27.3	7.2	76.9	8.4	8	45.80
1412	DP 0912B2RF	5.19	0.87	1.042	81.6	11.3	28.4	7.8	75.9	8.1	8	45.26
1358	FM 1740B2F	5.03	0.87	1.045	81.0	12.7	28.7	7.6	77.6	7.8	8	47.91
1345	AMERICOT 1550B2RF	4.96	0.87	1.044	81.4	11.9	26.6	8.0	77.0	9.2	8	40.00
1344	FM 9058F	4.62	0.87	1.105	81.1	11.3	28.6	6.6	78.2	7.7	10	49.58
1411	AT Epic RF	5.00	0.86	1.068	82.4	9.6	28.8	8.9	77.4	9.5	6	47.42
1426	Phytogen 725RF	4.44	0.85	1.139	82.7	9.3	33.3	8.1	75.1	9.1	9	56.57
.	LSD	0.28	0.01	0.026	1.4	2.6	1.1	0.7	1.2	0.5	2	4.82

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----											
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)	
1404	PHY 499WRF	0.78	0.93	23.0	8.7	1.09	170.4	2.8	0.89	128	11
1427	DP 1044B2RF	0.78	0.93	22.8	9.0	1.10	171.9	2.9	0.88	117	7
1326	PHY 375WRF	0.75	0.89	24.0	9.6	1.06	166.2	3.0	0.90	104	10
1412	DP 0912B2RF	0.80	0.93	19.3	7.6	1.08	179.3	2.2	0.92	96	5
1358	FM 1740B2F	0.77	0.91	22.8	9.2	1.08	173.7	2.5	0.91	88	6
1345	AMERICOT 1550B2RF	0.79	0.92	20.7	7.9	1.08	173.4	2.7	0.90	108	6
1344	FM 9058F	0.81	0.97	22.3	8.1	1.16	162.0	2.8	0.91	108	6
1411	AT Epic RF	0.80	0.94	18.8	7.2	1.09	176.2	2.2	0.90	123	6
1426	Phytogen 725RF	0.85	1.00	19.7	7.3	1.19	161.4	2.5	0.92	151	9
.	LSD	0.03	0.02	3.4	1.5	0.02	7.8	0.7	0.02	45	4

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
WESLACO, TX	1875	2787	41.7	9.3	5.69	20.01	2.75	0.78	0.57	1.35
COLLEGE STATION, TX	1387	2081	41.2	9.9	5.33	19.23	3.04	0.65	0.48	1.13
BEEVILLE, TX	152	186	44.7	7.0	1.49	18.10	4.17	0.46	0.25	0.71

-----HVI FIBER PROPERTIES-----											--SPINNING DATA--	
LOCATION	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
WESLACO, TX	4.85	0.86	1.140	83.6	8.2	29.9	7.9	76.2	8.4	7	51.06	

COLLEGE STATION, TX	4.84	0.86	1.149	83.4	8.3	30.7	8.0	75.9	7.6	9	52.23
BEEVILLE, TX	4.91	0.86	0.918	78.0	16.4	26.1	8.1	78.2	9.8	9	36.27

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

LOCATION	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
WESLACO, TX	0.87	1.01	17.4	5.6	1.19	173.0	2.2	0.92	94	7
COLLEGE STATION, TX	0.86	1.02	18.9	6.1	1.20	170.9	2.5	0.92	103	8
BEEVILLE, TX	0.65	0.77	28.2	13.2	0.92	167.7	3.3	0.88	143	7

LOCATION=WESLACO, TX

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1404 PHY 499WRF	2488	3035	44.9	9.0	5.20	20.50	2.78	0.94	0.60	1.54
1427 DP 1044B2RF	2003	2861	41.6	8.3	5.30	18.76	2.63	0.80	0.49	1.29
1412 DP 0912B2RF	1934	2935	40.7	9.3	5.55	20.33	2.67	0.88	0.65	1.53
1426 Phytogen 725RF	1896	3357	38.5	9.8	5.90	21.25	2.82	0.61	0.47	1.08
1326 PHY 375WRF	1818	2698	42.3	9.0	5.25	19.52	3.07	0.80	0.59	1.38
1358 FM 1740B2F	1800	2493	42.9	9.3	5.35	20.59	2.56	0.67	0.53	1.20
1345 AMERICOT 1550B2RF	1723	2199	42.7	9.5	5.85	19.61	2.77	0.98	0.65	1.62
1344 FM 9058F	1700	3160	38.3	9.8	6.70	20.22	2.76	0.50	0.52	1.02
1411 AT Epic RF	1517	2346	43.2	9.5	6.10	19.29	2.73	0.87	0.64	1.51
. LSD	497	1166	3.0	0.7	1.52	2.04	0.51	0.14	0.13	0.27

-----HVI FIBER PROPERTIES-----

VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	-----SPINNING DATA-----			
								RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1404 PHY 499WRF	4.92	0.86	1.144	84.6	7.4	30.1	8.6	74.8	8.4	9	49.53
1427 DP 1044B2RF	4.75	0.86	1.148	83.9	7.9	29.9	8.4	77.7	8.5	8	49.58
1412 DP 0912B2RF	5.31	0.88	1.120	84.0	7.7	29.6	7.8	75.6	8.0	7	51.62
1426 Phytogen 725RF	4.60	0.86	1.197	84.4	7.3	34.1	7.9	73.5	9.3	8	58.55
1326 PHY 375WRF	4.60	0.86	1.083	82.4	10.1	28.2	7.2	76.8	8.2	7	50.11
1358 FM 1740B2F	4.98	0.87	1.116	82.8	9.2	29.9	8.0	76.8	7.4	7	46.43
1345 AMERICOT 1550B2RF	4.94	0.87	1.135	83.8	8.1	28.0	7.6	76.9	8.9	5	48.36
1344 FM 9058F	4.60	0.87	1.181	82.9	8.5	29.9	6.9	77.2	7.6	9	53.65
1411 AT Epic RF	4.98	0.86	1.134	83.9	8.1	29.3	8.8	77.1	9.2	6	51.74
. LSD	0.42	0.01	0.044	2.0	1.8	1.8	0.6	2.4	0.8	3	9.95

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L(N) (IN.)	L (W) (IN.)	SFC(N) (%)	SFC (W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1404 PHY 499WRF	0.85	1.02	19.5	6.3	1.19	173.3	2.5	0.90	102	13
1427 DP 1044B2RF	0.89	1.04	16.5	5.0	1.20	173.2	2.6	0.89	95	6
1412 DP 0912B2RF	0.87	1.01	15.5	5.0	1.17	183.5	1.6	0.95	92	6
1426 Phytogen 725RF	0.94	1.08	13.0	4.2	1.26	167.8	1.5	0.95	100	9
1326 PHY 375WRF	0.80	0.96	22.5	8.0	1.14	164.7	2.9	0.91	96	8
1358 FM 1740B2F	0.83	0.99	20.0	6.7	1.17	171.4	2.6	0.91	86	7
1345 AMERICOT 1550B2RF	0.88	1.01	16.0	5.2	1.18	177.1	2.2	0.91	72	3
1344 FM 9058F	0.89	1.05	18.0	5.5	1.24	166.7	2.1	0.94	93	5
1411 AT Epic RF	0.87	1.01	15.5	5.1	1.17	179.1	1.8	0.93	110	3
. LSD	0.06	0.05	4.6	1.8	0.05	9.0	0.9	0.02	54	8

LOCATION=BEEVILLE, TX

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1344 FM 9058F	169	197	46.3	7.6	1.55	16.84	3.81	0.33	0.26	0.59
1411 AT Epic RF	161	231	43.0	7.5	1.65	16.00	4.04	0.49	0.26	0.74
1412 DP 0912B2RF	156	151	46.5	6.8	1.20	16.55	3.68	0.43	0.24	0.67
1326 PHY 375WRF	154	170	46.7	6.9	1.55	17.43	4.13	0.45	0.27	0.72
1358 FM 1740B2F	154	210	42.0	6.5	1.70	20.98	4.24	0.41	0.27	0.68
1427 DP 1044B2RF	150	183	44.7	6.3	1.60	21.18	4.36	0.60	0.26	0.86
1345 AMERICOT 1550B2RF	149	196	44.9	6.9	1.60	17.92	4.52	0.51	0.26	0.77
1404 PHY 499WRF	140	133	45.0	6.6	0.95	18.19	4.48	0.57	0.28	0.84
1426 Phytogen 725RF	137	205	43.0	7.9	1.65	17.77	4.27	0.34	0.20	0.54
. LSD	44	114	4.2	0.7	1.44	4.65	0.65	0.04	0.03	0.06

-----HVI FIBER PROPERTIES-----

VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	-----SPINNING DATA-----			
								RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1344 FM 9058F	4.62	0.87	0.936	77.9	17.3	24.9	6.3	80.1	9.2	11	36.18
1411 AT Epic RF	5.23	0.86	0.936	80.2	12.1	26.2	9.1	77.8	10.5	6	36.66
1412 DP 0912B2RF	4.93	0.87	0.890	77.3	18.5	25.2	7.7	77.3	9.5	8	34.07
1326 PHY 375WRF	4.82	0.87	0.906	78.1	15.9	25.3	6.8	78.4	9.5	7	35.93
1358 FM 1740B2F	5.02	0.87	0.882	76.4	20.4	25.4	7.4	79.3	9.2	7	.
1427 DP 1044B2RF	5.22	0.87	0.902	77.5	18.1	25.5	8.8	78.0	10.2	12	.
1345 AMERICOT 1550B2RF	5.10	0.86	0.886	78.0	18.0	24.3	8.5	78.2	10.1	11	26.94
1404 PHY 499WRF	4.99	0.86	0.921	78.0	14.2	27.9	9.6	77.7	9.9	11	33.77
1426 Phytogen 725RF	4.28	0.85	1.004	79.2	13.6	30.4	8.7	77.5	10.1	8	50.35
. LSD	0.35	0.01	0.028	2.5	2.4	2.0	0.8	1.9	0.5	8	11.79

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1344 FM 9058F	0.67	0.80	29.0	12.8	0.96	157.9	3.6	0.88	126	7
1411 AT Epic RF	0.68	0.79	24.0	11.0	0.92	179.3	2.5	0.89	154	6
1412 DP 0912B2RF	0.65	0.76	27.0	13.1	0.89	169.0	3.3	0.88	124	5
1326 PHY 375WRF	0.63	0.74	28.5	13.9	0.87	166.0	3.2	0.88	120	12
1358 FM 1740B2F	0.63	0.74	29.0	14.7	0.89	173.8	2.7	0.89	89	3
1427 DP 1044B2RF	0.62	0.74	32.0	15.5	0.89	173.2	3.5	0.87	141	9
1345 AMERICOT 1550B2RF	0.66	0.77	26.0	12.0	0.90	170.0	3.5	0.87	131	4
1404 PHY 499WRF	0.65	0.77	28.0	12.9	0.91	167.6	3.2	0.87	157	7
1426 Phytogen 725RF	0.69	0.85	30.0	12.7	1.03	152.4	4.1	0.87	250	8
. LSD	0.07	0.06	7.0	4.6	0.07	6.7	0.9	0.03	55	9



2013 National Cotton Variety Test

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EASTERN REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1465 NG 1511B2RF	1849	3055	40.5	10.0	5.90	20.55	3.57	0.84	0.62	1.46
1404 PHY 499WRF	1820	3077	39.6	9.8	5.46	19.88	3.62	0.72	0.46	1.18
1451 FM 1944GLB2	1811	3152	37.5	10.5	5.85	17.77	3.29	0.55	0.54	1.09
1412 DP 0912B2RF	1789	2324	43.2	10.0	5.84	20.02	3.36	0.77	0.55	1.32
1466 NG 5315B2RF	1771	3171	39.1	10.1	5.65	16.66	3.86	0.70	0.48	1.18
1448 DG 2610B2RF	1744	2973	39.2	9.4	5.73	16.80	3.89	0.74	0.50	1.24
1449 DP 1252B2RF	1743	3044	39.9	9.3	5.80	16.73	3.77	0.68	0.47	1.15
1429 DP 1137B2RF	1729	2988	39.2	9.4	5.75	15.94	3.83	0.68	0.47	1.15
1467 DG 2285B2RF	1699	3186	37.7	9.9	5.69	19.33	3.43	0.75	0.57	1.32
1326 PHY 375WRF	1664	2250	43.8	9.7	5.45	20.62	3.76	0.75	0.57	1.32
1469 PHY 339WRF	1628	3122	37.1	9.4	5.36	20.13	3.42	0.78	0.53	1.31
1470 PHY 575WRF	1547	3035	36.5	9.8	5.15	20.49	3.52	0.49	0.48	0.97
1397 DP 1050B2RF	1529	2862	39.2	9.2	5.50	16.11	3.98	0.71	0.48	1.19
1344 FM 9058F	1237	1555	42.7	10.7	5.81	21.06	3.61	0.47	0.47	0.94
1450 UA 222	1172	2643	35.3	10.5	5.80	20.42	3.52	0.63	0.44	1.06
1426 Phytogen 725RF	1023	2614	33.5	10.8	6.19	21.23	3.83	0.59	0.44	1.03
. LSD	353	600	2.7	0.7	0.51	1.13	0.23	0.06	0.04	0.10

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1465 NG 1511B2RF	4.82	0.86	1.183	85.3	7.1	30.5	8.9	75.5	7.2	8	50.65
1404 PHY 499WRF	4.67	0.86	1.176	85.0	7.4	31.5	8.6	75.6	7.7	9	49.00
1451 FM 1944GLB2	4.48	0.86	1.209	84.3	8.2	31.5	6.7	79.0	6.4	9	54.54
1412 DP 0912B2RF	4.95	0.86	1.139	84.1	7.8	29.2	8.2	75.8	7.1	9	49.04
1466 NG 5315B2RF	4.62	0.85	1.183	84.8	7.5	29.2	8.9	77.2	7.6	10	46.92
1448 DG 2610B2RF	4.29	0.84	1.193	85.2	7.4	29.4	8.8	77.6	7.9	8	48.05
1449 DP 1252B2RF	4.68	0.86	1.182	84.7	7.8	29.6	8.5	77.9	7.6	8	48.74
1429 DP 1137B2RF	4.53	0.85	1.149	84.3	8.1	28.8	8.6	76.3	7.7	8	50.66
1467 DG 2285B2RF	4.50	0.85	1.170	84.2	8.1	29.4	8.4	76.7	7.5	8	47.75
1326 PHY 375WRF	4.21	0.85	1.167	84.4	7.8	29.6	7.8	76.7	7.3	10	52.35
1469 PHY 339WRF	4.19	0.85	1.206	85.2	7.3	30.2	7.9	78.1	6.8	9	50.91
1470 PHY 575WRF	4.09	0.85	1.232	84.8	7.4	30.1	7.9	77.9	7.5	11	48.41
1397 DP 1050B2RF	4.40	0.85	1.194	85.2	7.5	29.2	8.6	76.4	7.9	9	46.99
1344 FM 9058F	4.09	0.85	1.216	83.9	7.9	31.2	6.7	75.7	6.8	11	54.73
1450 UA 222	4.42	0.85	1.226	84.5	7.2	30.4	8.8	74.5	7.4	10	51.04
1426 Phytogen 725RF	4.22	0.85	1.238	84.4	7.3	33.3	7.8	74.2	7.8	9	56.56
. LSD	0.32	0.01	0.024	0.9	0.7	1.0	0.5	1.9	0.4	3	4.48

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1465 NG 1511B2RF	0.89	1.04	16.1	5.3	1.21	173.3	4.1	0.90	108	12
1404 PHY 499WRF	0.93	1.07	14.3	4.5	1.24	175.1	3.1	0.92	96	13
1451 FM 1944GLB2	0.93	1.10	16.5	5.4	1.30	165.5	3.7	0.94	103	13
1412 DP 0912B2RF	0.88	1.02	15.9	5.3	1.19	179.5	3.8	0.92	108	16
1466 NG 5315B2RF	0.92	1.06	14.9	4.8	1.24	172.1	4.4	0.87	123	13
1448 DG 2610B2RF	0.93	1.07	15.4	5.1	1.26	162.8	5.0	0.86	130	15
1449 DP 1252B2RF	0.94	1.07	13.8	4.4	1.24	169.7	4.2	0.88	101	11
1429 DP 1137B2RF	0.91	1.04	14.6	5.0	1.21	169.4	4.4	0.87	109	13
1467 DG 2285B2RF	0.90	1.05	16.6	5.5	1.23	165.4	4.7	0.88	123	11
1326 PHY 375WRF	0.89	1.05	17.5	5.7	1.23	158.7	5.1	0.87	110	16
1469 PHY 339WRF	0.95	1.10	13.9	4.3	1.28	160.0	4.0	0.90	117	15
1470 PHY 575WRF	0.92	1.09	17.8	5.7	1.30	159.3	4.4	0.90	107	9
1397 DP 1050B2RF	0.95	1.09	13.9	4.5	1.27	167.9	4.1	0.88	101	11
1344 FM 9058F	0.91	1.08	18.6	6.0	1.29	153.5	5.1	0.89	126	13
1450 UA 222	0.91	1.08	18.1	5.7	1.29	165.7	4.4	0.90	125	15
1426 Phytogen 725RF	0.95	1.11	14.9	4.6	1.31	156.4	4.0	0.90	115	18
. LSD	0.03	0.03	2.3	0.9	0.03	9.0	1.0	0.04	32	5

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	-----SEED PROPERTIES-----									
	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA-----		
							PLUS	MINUS	FREE	
GRIFFIN, GA	1842	2149	46.2	.	.	.	.	.	.	.

STARKVILLE, MS	1585	1944	43.1	9.2	5.24	17.45	3.88	0.65	0.46	1.11
ROCKY MOUNT, NC	1548	2094	42.0	10.7	6.13	20.85	3.62	0.75	0.56	1.31
FLORENCE, SC	1463	5776	20.6	9.8	.	18.65	3.42	0.63	0.49	1.13

VARIETY	-----HVI FIBER PROPERTIES-----								--SPINNING DATA--		
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
GRIFFIN, GA	4.41	0.85	1.176	83.7	8.5	29.3	8.3	73.4	7.0	12	48.12
STARKVILLE, MS	4.13	0.84	1.189	84.5	7.7	30.5	8.6	81.2	7.1	6	50.12
ROCKY MOUNT, NC	4.71	0.86	1.212	85.9	6.7	30.7	8.0	78.3	8.4	6	53.00
FLORENCE, SC	4.53	0.86	1.189	84.6	7.6	30.3	8.0	73.4	7.0	12	50.35

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
GRIFFIN, GA	0.86	1.03	19.8	6.7	1.23	161.3	5.0	0.87	153	19
STARKVILLE, MS	0.90	1.05	17.0	5.7	1.24	157.0	4.8	0.88	105	7
ROCKY MOUNT, NC	1.00	1.12	10.7	3.1	1.29	177.7	3.1	0.92	74	7
FLORENCE, SC	0.92	1.07	15.7	5.0	1.26	167.4	4.2	0.90	118	20

LOCATION=FLORENCE, SC

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						-----GOSSYPOL DATA-----			FREE (%)	
						OIL (%)	N (%)	PLUS	MINUS	
1448 DG 2610B2RF	1827	5526	24.9	8.7	.	17.02	3.55	0.75	0.54	1.29
1465 NG 1511B2RF	1784	5729	23.8	9.9	.	19.80	3.30	0.74	0.58	1.32
1404 PHY 499WRF	1761	5725	23.6	10.2	.	19.21	3.45	0.68	0.46	1.14
1429 DP 1137B2RF	1657	5897	22.0	9.0	.	16.37	3.59	0.64	0.47	1.10
1412 DP 0912B2RF	1654	.	.	10.1	.	19.99	3.34	0.75	0.55	1.30
1466 NG 5315B2RF	1644	5913	21.8	9.5	.	16.22	3.50	0.68	0.49	1.17
1451 FM 1944GLB2	1630	5259	23.7	10.9	.	17.84	3.30	0.51	0.52	1.03
1397 DP 1050B2RF	1623	6067	21.1	8.8	.	15.63	3.62	0.70	0.50	1.19
1449 DP 1252B2RF	1596	5989	21.0	8.9	.	17.10	3.51	0.65	0.49	1.14
1470 PHY 575WRF	1388	5573	19.9	9.5	.	19.98	3.32	0.49	0.47	0.95
1469 PHY 339WRF	1305	5829	18.2	9.4	.	18.99	3.25	0.67	0.48	1.15
1467 DG 2285B2RF	1297	5872	18.1	9.8	.	18.41	3.19	0.66	0.54	1.19
1326 PHY 375WRF	1278	.	.	9.8	.	20.62	3.59	0.66	0.53	1.18
1344 FM 9058F	1203	.	.	10.9	.	20.59	3.46	0.42	0.45	0.87
1450 UA 222	1045	6059	14.7	10.4	.	20.46	3.39	0.62	0.44	1.05
1426 Phytogen 725RF	721	5645	14.6	10.7	.	20.23	3.45	0.54	0.42	0.96
. LSD	362	325	4.2	0.9	.	1.56	0.22	0.07	0.05	0.12

VARIETY	-----HVI FIBER PROPERTIES-----										--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
1448 DG 2610B2RF	4.49	0.85	1.189	84.6	7.4	28.7	8.7	74.5	7.4	11	46.19	
1465 NG 1511B2RF	5.08	0.86	1.185	85.0	6.7	30.8	8.8	71.7	6.6	12	53.26	
1404 PHY 499WRF	4.70	0.86	1.178	84.9	7.7	31.6	8.3	72.3	7.5	13	47.78	
1429 DP 1137B2RF	4.62	0.86	1.143	84.5	8.0	27.9	8.3	73.9	7.7	10	46.05	
1412 DP 0912B2RF	5.16	0.87	1.143	83.8	7.3	29.2	8.3	73.5	6.8	12	50.58	
1466 NG 5315B2RF	4.63	0.85	1.167	84.2	8.0	28.8	8.9	75.1	7.4	10	47.61	
1451 FM 1944GLB2	4.63	0.87	1.210	85.1	7.7	31.6	6.3	74.9	5.8	12	57.54	
1397 DP 1050B2RF	4.36	0.85	1.177	84.7	7.6	28.9	8.5	74.4	7.8	11	51.06	
1449 DP 1252B2RF	4.80	0.86	1.185	84.7	7.6	29.8	8.2	75.3	7.5	10	46.09	
1470 PHY 575WRF	3.99	0.85	1.243	85.3	7.2	30.3	7.6	75.0	6.9	13	45.30	
1469 PHY 339WRF	4.10	0.85	1.206	85.8	7.1	30.7	7.9	74.9	6.7	13	51.66	
1467 DG 2285B2RF	4.71	0.86	1.157	83.6	8.8	29.6	8.1	73.7	7.1	11	46.85	
1326 PHY 375WRF	4.49	0.86	1.157	83.4	8.1	29.5	7.5	70.5	6.6	15	51.75	
1344 FM 9058F	4.27	0.86	1.219	84.3	8.1	32.5	6.8	72.9	6.7	14	58.69	
1450 UA 222	4.34	0.85	1.222	84.9	7.0	30.5	8.2	72.0	7.2	14	49.92	
1426 Phytogen 725RF	4.12	0.85	1.240	84.7	7.4	35.1	7.3	70.2	7.4	13	55.31	
. LSD	0.48	0.02	0.047	1.5	1.2	2.4	0.5	3.3	0.6	3	8.61	

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1448 DG 2610B2RF	0.93	1.08	15.0	4.8	1.26	170.9	4.2	0.88	142	21
1465 NG 1511B2RF	0.90	1.05	16.5	5.4	1.23	177.5	3.8	0.93	110	16
1404 PHY 499WRF	0.93	1.07	14.0	4.4	1.24	174.3	3.3	0.91	98	19
1429 DP 1137B2RF	0.91	1.04	14.0	4.8	1.21	170.4	4.3	0.87	113	18
1412 DP 0912B2RF	0.88	1.03	16.5	5.4	1.20	181.4	3.8	0.92	101	19
1466 NG 5315B2RF	0.92	1.06	15.0	5.0	1.25	173.0	4.2	0.88	174	18
1451 FM 1944GLB2	0.92	1.08	17.5	5.6	1.29	168.0	3.8	0.95	102	25
1397 DP 1050B2RF	0.94	1.08	14.5	4.7	1.25	166.2	4.5	0.87	117	16
1449 DP 1252B2RF	0.96	1.09	12.5	3.8	1.25	174.7	3.5	0.89	85	18
1470 PHY 575WRF	0.92	1.11	18.5	6.1	1.33	153.5	5.4	0.87	128	17
1469 PHY 339WRF	0.95	1.10	14.0	4.4	1.28	155.9	4.4	0.87	107	16
1467 DG 2285B2RF	0.93	1.07	15.0	4.7	1.24	175.2	3.5	0.93	128	20
1326 PHY 375WRF	0.89	1.04	17.5	5.8	1.23	163.8	4.7	0.89	97	24
1344 FM 9058F	0.92	1.10	19.5	6.1	1.31	155.5	5.1	0.90	136	24
1450 UA 222	0.93	1.09	17.0	5.3	1.29	166.8	4.4	0.91	149	30
1426 Phytogen 725RF	0.99	1.14	13.5	4.0	1.34	152.4	4.0	0.91	111	29
. LSD	0.06	0.05	4.7	1.8	0.04	14.7	1.5	0.04	57	10

LOCATION=ROCKY MOUNT, NC

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----					
						OIL (%)	N (%)	-----GOSSYPOL DATA-----		FREE (%)	
								PLUS	MINUS		
1404	PHY 499WRF	2034	2606	43.9	10.5	5.83	21.98	3.41	0.78	0.50	1.28
1451	FM 1944GLB2	1925	2705	41.6	11.2	6.65	20.27	3.31	0.63	0.61	1.24
1467	DG 2285B2RF	1877	2410	43.8	10.5	6.23	21.50	3.40	0.86	0.64	1.50
1412	DP 0912B2RF	1875	2571	42.2	10.5	6.13	21.30	3.15	0.83	0.59	1.42
1326	PHY 375WRF	1862	2441	43.2	11.0	5.90	22.81	3.62	0.88	0.66	1.54
1469	PHY 339WRF	1862	2572	42.0	10.0	5.78	22.79	3.51	0.86	0.60	1.46
1465	NG 1511B2RF	1850	2209	45.6	10.8	6.25	22.10	3.66	0.90	0.67	1.57
1466	NG 5315B2RF	1813	2395	43.1	11.6	5.80	17.90	3.92	0.77	0.53	1.30
1429	DP 1137B2RF	1764	2287	43.6	10.1	5.95	17.21	3.75	0.78	0.54	1.32
1470	PHY 575WRF	1734	2595	40.1	10.8	5.85	23.38	3.50	0.54	0.54	1.08
1448	DG 2610B2RF	1596	2200	42.1	10.3	6.20	18.61	3.91	0.80	0.55	1.35
1449	DP 1252B2RF	1578	2010	44.0	10.0	6.20	17.72	3.63	0.75	0.51	1.25
1397	DP 1050B2RF	1345	1778	43.0	9.9	5.85	17.39	3.98	0.75	0.51	1.25
1450	UA 222	586	957	37.8	11.1	6.40	22.63	3.53	0.68	0.50	1.18
1426	Phytogen 725RF	565	988	36.3	12.0	6.73	23.42	3.95	0.64	0.50	1.14
1344	FM 9058F	508	781	39.8	11.6	6.33	22.56	3.66	0.53	0.53	1.05
.	LSD	274	360	1.1	1.3	0.44	1.14	0.41	0.08	0.05	0.12

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--		
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
1404	PHY 499WRF	4.81	0.86	1.194	86.8	6.0	32.2	9.0	79.3	8.8	5	53.47
1451	FM 1944GLB2	4.87	0.87	1.232	86.2	6.7	33.0	6.7	81.8	7.7	5	58.22
1467	DG 2285B2RF	4.83	0.87	1.194	85.5	6.9	29.7	7.7	77.3	8.5	5	54.65
1412	DP 0912B2RF	5.23	0.88	1.140	85.0	7.5	29.7	7.5	79.0	8.1	5	49.68
1326	PHY 375WRF	4.69	0.87	1.155	85.2	7.4	29.8	7.4	79.6	8.7	7	52.31
1469	PHY 339WRF	4.40	0.86	1.232	85.9	6.8	31.5	7.9	81.4	8.3	5	50.58
1465	NG 1511B2RF	5.00	0.87	1.186	85.9	6.8	30.6	8.1	77.2	8.5	5	52.92
1466	NG 5315B2RF	4.68	0.86	1.209	86.3	6.5	29.8	8.4	78.1	8.5	17	50.05
1429	DP 1137B2RF	4.79	0.86	1.183	86.5	6.5	30.1	9.0	78.8	8.5	5	56.22
1470	PHY 575WRF	4.33	0.85	1.248	86.4	6.3	29.8	8.2	79.0	8.8	5	51.54
1448	DG 2610B2RF	4.67	0.85	1.215	86.3	6.4	30.1	8.7	79.5	8.6	5	52.90
1449	DP 1252B2RF	4.92	0.87	1.211	85.4	6.8	30.9	8.5	80.8	8.6	5	54.56
1397	DP 1050B2RF	4.70	0.86	1.224	86.5	7.1	30.6	8.6	76.8	8.5	6	46.92
1450	UA 222	4.67	0.85	1.251	85.4	6.4	30.1	8.6	73.6	8.0	6	56.41
1426	Phytogen 725RF	4.40	0.86	1.269	85.6	6.2	32.8	7.6	74.4	8.7	6	53.32
1344	FM 9058F	4.43	0.87	1.246	85.4	6.8	30.4	6.0	77.0	7.8	6	54.23
.	LSD	0.19	0.01	0.034	2.0	1.2	2.0	0.6	3.5	0.5	8	11.45

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1404 PHY 499WRF	0.98	1.11	11.5	3.3	1.26	182.2	2.8	0.93	77	8
1451 FM 1944GLB2	1.06	1.18	9.0	2.6	1.36	178.4	2.1	0.98	42	2
1467 DG 2285B2RF	0.97	1.10	11.0	3.3	1.26	178.4	3.3	0.93	64	4
1412 DP 0912B2RF	0.95	1.06	10.0	3.1	1.20	193.3	2.5	0.97	62	10
1326 PHY 375WRF	0.96	1.09	11.5	3.4	1.24	178.9	3.3	0.94	60	7
1469 PHY 339WRF	1.03	1.16	10.0	2.8	1.32	166.2	3.2	0.91	88	13
1465 NG 1511B2RF	0.95	1.06	11.5	3.5	1.22	189.4	2.7	0.95	71	8
1466 NG 5315B2RF	1.00	1.11	10.5	3.0	1.27	182.2	3.4	0.90	85	9
1429 DP 1137B2RF	0.96	1.08	12.5	4.0	1.24	181.2	3.3	0.90	95	7
1470 PHY 575WRF	1.02	1.16	10.5	3.0	1.33	162.5	3.7	0.89	78	7
1448 DG 2610B2RF	1.04	1.15	8.0	2.4	1.30	178.4	3.2	0.91	79	6
1449 DP 1252B2RF	1.04	1.13	7.5	2.2	1.28	184.8	2.7	0.93	75	4
1397 DP 1050B2RF	1.05	1.16	8.5	2.5	1.32	178.2	3.1	0.90	67	4
1450 UA 222	0.96	1.12	16.0	4.7	1.31	172.7	4.2	0.90	79	8
1426 Phytogen 725RF	1.03	1.17	11.5	3.3	1.37	166.9	3.3	0.94	81	11
1344 FM 9058F	1.01	1.15	11.5	3.3	1.33	170.3	3.2	0.94	76	4
. LSD	0.07	0.05	5.0	1.7	0.04	9.6	1.2	0.03	36	8

LOCATION=STARKVILLE, MS

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1449 DP 1252B2RF	1776	2005	46.3	8.9	5.40	15.37	4.18	0.65	0.43	1.08
1467 DG 2285B2RF	1733	2103	44.6	9.5	5.15	18.08	3.69	0.73	0.53	1.26
1397 DP 1050B2RF	1731	2041	45.1	9.0	5.15	15.33	4.34	0.69	0.45	1.14
1466 NG 5315B2RF	1724	2173	45.4	9.1	5.50	15.86	4.17	0.65	0.42	1.07
1469 PHY 339WRF	1699	2173	41.9	8.9	4.95	18.63	3.51	0.80	0.53	1.32
1465 NG 1511B2RF	1683	1954	45.4	9.3	5.55	19.75	3.74	0.87	0.62	1.49
1448 DG 2610B2RF	1662	1988	43.4	9.2	5.25	14.78	4.22	0.66	0.43	1.09
1429 DP 1137B2RF	1620	1654	44.5	9.1	5.55	14.24	4.14	0.63	0.40	1.03
1404 PHY 499WRF	1571	1804	44.3	8.8	5.10	18.44	4.01	0.70	0.42	1.11
1451 FM 1944GLB2	1542	2003	40.0	9.4	5.05	15.22	3.27	0.52	0.48	1.00
1412 DP 0912B2RF	1537	1864	42.2	9.4	5.55	18.79	3.59	0.73	0.52	1.25
1470 PHY 575WRF	1524	2127	40.6	9.2	4.45	18.12	3.74	0.44	0.44	0.88
1326 PHY 375WRF	1501	1943	42.3	8.5	5.00	18.43	4.08	0.72	0.52	1.24
1426 Phytogen 725RF	1377	1943	40.0	9.8	5.65	20.05	4.10	0.58	0.42	0.99
1450 UA 222	1372	1585	42.4	10.0	5.20	18.18	3.65	0.59	0.38	0.96
1344 FM 9058F	1315	1740	41.1	9.5	5.30	20.03	3.71	0.47	0.45	0.92
. LSD	210	387	2.4	0.7	0.60	1.86	0.23	0.05	0.05	0.10

VARIETY	-----HVI FIBER PROPERTIES-----										--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
1449 DP 1252B2RF	4.64	0.85	1.160	85.0	7.9	29.6	9.2	81.2	7.3	5	46.57	
1467 DG 2285B2RF	3.77	0.83	1.197	84.5	8.0	30.7	8.8	82.0	7.4	6	47.52	
1397 DP 1050B2RF	4.50	0.85	1.170	84.3	7.9	28.3	8.7	80.8	7.7	5	46.74	
1466 NG 5315B2RF	4.50	0.84	1.179	85.2	7.3	29.6	9.7	80.9	7.2	5	43.10	
1469 PHY 339WRF	3.84	0.84	1.191	84.6	7.7	29.8	7.7	82.5	6.2	5	52.14	
1465 NG 1511B2RF	4.53	0.85	1.193	85.4	7.2	31.7	9.7	81.4	7.0	5	48.47	
1448 DG 2610B2RF	4.08	0.84	1.186	85.3	7.3	30.1	8.9	81.2	7.6	5	44.10	
1429 DP 1137B2RF	4.49	0.85	1.141	83.7	8.6	29.4	8.6	79.3	7.1	5	47.66	
1404 PHY 499WRF	4.47	0.85	1.154	84.1	7.9	31.3	8.7	78.1	7.3	5	49.50	
1451 FM 1944GLB2	3.59	0.85	1.236	83.8	8.4	31.2	6.9	83.7	6.3	8	56.04	
1412 DP 0912B2RF	4.40	0.85	1.149	84.6	8.0	29.9	8.6	80.5	7.0	6	52.06	
1470 PHY 575WRF	3.70	0.84	1.224	84.2	8.2	30.6	8.0	82.6	7.3	13	47.52	
1326 PHY 375WRF	3.69	0.84	1.162	84.7	7.7	29.7	8.6	81.1	6.8	5	53.61	
1426 Phytogen 725RF	4.16	0.85	1.239	85.3	6.8	33.0	8.6	80.7	7.7	5	58.53	
1450 UA 222	4.22	0.84	1.234	83.7	7.6	31.2	9.5	80.6	7.7	6	52.75	
1344 FM 9058F	3.61	0.84	1.214	83.5	7.7	32.2	7.5	82.1	6.2	5	55.63	
. LSD	0.54	0.01	0.045	1.8	1.4	2.0	0.6	2.0	0.5	4	4.39	

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1449 DP 1252B2RF	0.90	1.04	15.5	5.1	1.21	164.7	4.6	0.87	105	8
1467 DG 2285B2RF	0.88	1.05	18.5	6.4	1.25	145.7	6.5	0.84	117	6
1397 DP 1050B2RF	0.93	1.07	14.5	4.7	1.25	165.9	3.9	0.89	68	6
1466 NG 5315B2RF	0.89	1.04	16.5	5.5	1.22	164.9	4.9	0.86	85	5
1469 PHY 339WRF	0.95	1.10	13.0	4.1	1.28	152.7	4.2	0.90	80	6
1465 NG 1511B2RF	0.86	1.02	18.0	6.2	1.19	160.9	5.2	0.87	112	10
1448 DG 2610B2RF	0.90	1.05	17.5	5.9	1.24	152.5	6.1	0.84	103	7
1429 DP 1137B2RF	0.88	1.02	15.5	5.4	1.20	167.7	4.3	0.87	89	8
1404 PHY 499WRF	0.93	1.06	13.0	4.3	1.22	171.0	2.9	0.92	73	6
1451 FM 1944GLB2	0.89	1.08	19.5	6.8	1.30	143.8	5.2	0.89	145	12
1412 DP 0912B2RF	0.89	1.03	15.5	5.2	1.21	168.0	4.4	0.88	110	11
1470 PHY 575WRF	0.88	1.06	20.5	6.4	1.27	159.5	3.5	0.96	120	1
1326 PHY 375WRF	0.85	1.02	21.0	7.2	1.21	144.7	6.6	0.83	145	9
1426 Phytogen 725RF	0.91	1.07	15.5	5.2	1.27	154.0	4.6	0.89	113	8
1450 UA 222	0.92	1.09	17.5	5.6	1.30	156.7	4.2	0.90	83	5
1344 FM 9058F	0.88	1.07	20.0	6.6	1.29	139.9	6.2	0.86	133	7
. LSD	0.06	0.05	4.1	1.7	0.05	10.7	1.2	0.03	34	6

LOCATION=GRIFFIN, GA

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1451 FM 1944GLB2	2147	2643	44.8	.	.	.	.	.	.	.
1412 DP 0912B2RF	2089	2538	45.2	.	.	.	.	.	.	.
1465 NG 1511B2RF	2079	2326	47.2	.	.	.	.	.	.	.
1449 DP 1252B2RF	2024	2174	48.2	.	.	.	.	.	.	.
1326 PHY 375WRF	2013	2366	46.1	.	.	.	.	.	.	.
1344 FM 9058F	1923	2145	47.3	.	.	.	.	.	.	.
1404 PHY 499WRF	1915	2172	46.8	.	.	.	.	.	.	.
1466 NG 5315B2RF	1902	2205	46.3	.	.	.	.	.	.	.
1448 DG 2610B2RF	1893	2179	46.5	.	.	.	.	.	.	.
1467 DG 2285B2RF	1891	2357	44.6	.	.	.	.	.	.	.
1429 DP 1137B2RF	1877	2115	47.0	.	.	.	.	.	.	.
1450 UA 222	1688	1970	46.2	.	.	.	.	.	.	.
1469 PHY 339WRF	1646	1916	46.3	.	.	.	.	.	.	.
1470 PHY 575WRF	1542	1845	45.6	.	.	.	.	.	.	.
1426 Phytogen 725RF	1431	1879	43.3	.	.	.	.	.	.	.
1397 DP 1050B2RF	1416	1562	47.6	.	.	.	.	.	.	.
. LSD	250	282	1.9	.	.	.	.	.	.	.

-----HVI FIBER PROPERTIES-----

VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	--SPINNING DATA--	
										WASTE (%)	YT (mN/TEX)
1451 FM 1944GLB2	4.83	0.87	1.157	82.1	10.2	30.4	7.0	75.8	5.7	10	46.38
1412 DP 0912B2RF	5.01	0.87	1.124	83.1	8.4	28.1	8.5	70.2	6.6	12	43.86
1465 NG 1511B2RF	4.68	0.86	1.170	85.0	7.6	29.1	9.0	71.6	6.6	11	47.95
1449 DP 1252B2RF	4.36	0.85	1.173	83.9	8.8	28.1	8.1	74.3	7.2	10	47.76
1326 PHY 375WRF	4.00	0.85	1.196	84.3	8.0	29.4	7.8	75.8	7.1	11	51.73
1344 FM 9058F	4.06	0.85	1.185	82.3	9.2	29.7	6.7	71.0	6.5	18	50.39
1404 PHY 499WRF	4.69	0.86	1.178	84.4	8.1	30.9	8.5	72.7	7.3	11	45.26
1466 NG 5315B2RF	4.69	0.85	1.177	83.7	8.3	28.7	8.8	74.9	7.6	9	46.94
1448 DG 2610B2RF	3.92	0.83	1.182	84.5	8.6	28.8	9.0	75.2	8.0	10	49.02
1467 DG 2285B2RF	4.68	0.85	1.133	83.4	8.6	27.6	9.1	73.9	7.0	11	42.01
1429 DP 1137B2RF	4.23	0.85	1.128	82.7	9.5	28.0	8.7	73.3	7.5	12	52.70
1450 UA 222	4.46	0.85	1.198	84.1	8.0	29.8	9.1	71.9	6.8	13	45.09
1469 PHY 339WRF	4.41	0.86	1.197	84.6	7.8	29.0	8.0	73.6	6.2	11	49.28
1470 PHY 575WRF	4.34	0.85	1.211	83.4	8.2	29.7	8.0	75.1	7.2	12	49.28
1426 Phytogen 725RF	4.20	0.85	1.204	82.1	9.0	32.4	7.7	71.7	7.5	12	59.09
1397 DP 1050B2RF	4.04	0.84	1.207	85.2	7.5	29.0	8.7	73.5	7.8	12	43.24
. LSD	0.40	0.01	0.051	2.2	2.1	2.2	0.6	2.9	0.7	4	7.72

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----											
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)	
1451 FM 1944GLB2	0.88	1.05	20.0	6.5	1.26	171.7	3.6	0.96	123	15	
1412 DP 0912B2RF	0.81	0.97	21.5	7.7	1.14	175.4	4.7	0.89	158	25	
1465 NG 1511B2RF	0.87	1.02	18.5	6.2	1.21	165.5	4.7	0.86	140	15	
1449 DP 1252B2RF	0.87	1.04	19.5	6.5	1.24	154.5	6.1	0.82	141	14	
1326 PHY 375WRF	0.88	1.05	20.0	6.5	1.25	147.4	5.7	0.84	138	24	
1344 FM 9058F	0.83	1.01	23.5	8.3	1.24	148.3	6.1	0.86	158	18	
1404 PHY 499WRF	0.90	1.05	18.5	5.9	1.24	173.0	3.6	0.92	137	21	
1466 NG 5315B2RF	0.89	1.04	17.5	5.9	1.22	168.2	5.1	0.84	147	19	
1448 DG 2610B2RF	0.85	1.03	21.0	7.2	1.24	149.4	6.7	0.80	197	25	
1467 DG 2285B2RF	0.82	0.99	22.0	7.8	1.19	162.2	5.7	0.85	183	16	
1429 DP 1137B2RF	0.88	1.02	16.5	5.7	1.20	158.5	5.6	0.82	139	20	
1450 UA 222	0.85	1.04	22.0	7.4	1.26	166.5	4.8	0.90	190	18	
1469 PHY 339WRF	0.89	1.05	18.5	6.0	1.24	165.2	4.1	0.91	193	26	
1470 PHY 575WRF	0.86	1.05	21.5	7.4	1.27	161.7	5.2	0.89	105	13	
1426 Phytogen 725RF	0.89	1.06	19.0	6.1	1.27	152.5	4.3	0.88	157	24	
1397 DP 1050B2RF	0.89	1.06	18.0	6.0	1.26	161.5	5.1	0.88	154	19	
. LSD	0.06	0.05	3.9	1.5	0.06	10.6	1.1	0.03	82	17	



2013 National Cotton Variety Test

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DELTA REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	1262	1670	42.2	9.8	4.72	18.94	3.38	0.67	0.45	1.13
1326 PHY 375WRF	1218	1585	44.1	10.0	4.83	19.03	3.66	0.66	0.49	1.14
1453 PHY 399WRF	1218	1626	42.8	9.5	4.68	19.34	3.54	0.76	0.51	1.27
1404 PHY 499WRF	1216	1611	43.3	9.7	4.83	18.58	3.57	0.67	0.42	1.08
1428 AM 1511B2RF	1198	1500	44.1	10.1	4.92	18.83	3.54	0.81	0.58	1.39
1376 ST 5458B2RF	1102	1545	40.5	10.4	5.08	19.72	3.57	0.74	0.46	1.20
1358 FM 1740B2F	1067	1509	42.0	10.6	5.03	19.23	3.64	0.55	0.43	0.98
1396 DP 1048B2RF	978	1326	43.9	9.6	4.74	15.82	3.99	0.72	0.46	1.18
1344 FM 9058F	911	1301	40.7	10.7	4.98	19.66	3.51	0.41	0.40	0.80
1426 PhytoGen 725RF	681	994	39.1	11.0	4.82	19.65	3.72	0.56	0.39	0.95
. LSD	224	319	1.8	0.7	0.40	1.02	0.22	0.06	0.03	0.08

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	5.01	0.87	1.117	83.2	8.7	30.3	7.7	78.7	7.3	9	49.19
1326 PHY 375WRF	4.72	0.87	1.139	83.5	8.6	29.8	7.2	78.8	7.2	7	51.08
1453 PHY 399WRF	4.56	0.86	1.181	84.1	8.0	31.2	7.7	79.4	6.7	7	51.62
1404 PHY 499WRF	4.72	0.86	1.147	84.2	8.1	32.5	8.6	78.0	7.5	7	54.61
1428 AM 1511B2RF	4.85	0.86	1.156	84.2	7.9	32.2	8.7	78.8	7.6	7	49.71
1376 ST 5458B2RF	4.84	0.87	1.147	82.9	9.3	31.8	7.2	77.7	7.8	7	51.31
1358 FM 1740B2F	4.84	0.87	1.141	83.5	8.3	30.8	7.4	79.2	7.0	7	48.82
1396 DP 1048B2RF	4.81	0.86	1.167	84.0	8.2	30.8	8.2	78.5	7.6	7	47.54
1344 FM 9058F	4.45	0.87	1.184	82.7	9.0	31.4	6.3	79.8	6.8	7	55.79
1426 Phytogen 725RF	4.55	0.86	1.210	84.2	7.5	34.8	8.2	76.6	7.6	7	58.22
. LSD	0.26	0.01	0.019	0.8	0.7	0.9	0.4	1.2	0.2	1	4.65

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.87	1.01	16.1	5.3	1.17	180.7	3.1	0.93	89	7
1326 PHY 375WRF	0.87	1.02	17.8	5.9	1.19	171.3	3.6	0.92	87	8
1453 PHY 399WRF	0.91	1.06	15.9	5.2	1.25	167.8	3.7	0.92	119	13
1404 PHY 499WRF	0.88	1.03	16.6	5.5	1.20	173.0	3.4	0.92	96	11
1428 AM 1511B2RF	0.91	1.04	14.9	4.8	1.21	175.1	3.5	0.91	93	6
1376 ST 5458B2RF	0.86	1.02	19.0	6.4	1.21	177.2	3.6	0.93	91	8
1358 FM 1740B2F	0.88	1.03	17.4	5.7	1.21	173.7	3.6	0.92	77	10
1396 DP 1048B2RF	0.91	1.05	15.5	5.1	1.23	175.5	3.7	0.90	86	8
1344 FM 9058F	0.89	1.06	18.9	6.1	1.26	160.0	4.2	0.91	115	8
1426 Phytogen 725RF	0.93	1.09	15.0	4.7	1.28	165.5	3.0	0.95	106	11
. LSD	0.03	0.03	2.2	0.9	0.03	7.0	0.6	0.02	21	4

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
STONEVILLE, MS	1994	2580	43.6	10.2	5.59	20.19	3.59	0.70	0.48	1.18
SAINT JOSEPH, LA	1023	1396	42.1	9.9	5.09	19.42	3.56	0.70	0.50	1.20
PORTAGEVILLE, MO	983	.	.	11.2	.	18.14	3.74	0.67	0.46	1.13
KEISER, AR	341	425	41.1	9.3	3.92	17.77	3.57	0.56	0.39	0.95

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
STONEVILLE, MS	4.91	0.87	1.137	83.6	8.7	29.8	7.5	80.4	7.0	6	50.11
SAINT JOSEPH, LA	5.01	0.87	1.186	84.0	7.9	32.4	7.8	76.7	7.0	8	50.58
PORTAGEVILLE, MO	4.49	0.86	1.160	83.1	8.8	32.1	7.5	77.1	8.0	8	49.26
KEISER, AR	4.53	0.86	1.151	84.0	8.1	32.0	8.2	80.0	7.4	6	57.21

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
STONEVILLE, MS	0.86	1.01	18.4	6.1	1.19	173.6	2.4	0.93	66	5
SAINT JOSEPH, LA	0.93	1.07	14.6	4.6	1.26	179.2	3.3	0.96	77	6
PORTAGEVILLE, MO	0.89	1.05	17.5	5.6	1.23	166.8	4.7	0.89	145	16
KEISER, AR	0.88	1.03	16.5	5.5	1.20	168.4	3.8	0.91	96	10

LOCATION=SAINT JOSEPH, LA

VARIETY						-----SEED PROPERTIES-----					
	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA-----		FREE (%)	
								PLUS	MINUS		
1412 DP 0912B2RF	1238	1725	41.9	9.8	5.00	18.95	3.30	0.71	0.50	1.21	
1453 PHY 399WRF	1148	1557	42.5	9.2	4.70	20.24	3.47	0.84	0.56	1.40	
1428 AM 1511B2RF	1128	1418	44.5	9.6	5.15	19.04	3.54	0.85	0.64	1.49	
1326 PHY 375WRF	1104	1367	44.8	9.4	5.00	20.04	3.60	0.71	0.54	1.25	
1358 FM 1740B2F	1096	1556	41.3	10.5	5.23	20.21	3.68	0.59	0.48	1.07	
1396 DP 1048B2RF	1053	1306	44.5	9.0	5.13	15.94	3.95	0.76	0.51	1.27	
1404 PHY 499WRF	1051	1323	44.2	9.2	5.05	19.17	3.57	0.72	0.43	1.15	
1376 ST 5458B2RF	1006	1522	39.9	10.6	5.33	21.24	3.50	0.81	0.50	1.30	
1344 FM 9058F	807	1215	39.9	10.7	5.30	19.36	3.24	0.44	0.46	0.90	
1426 Phytogen 725RF	597	970	38.0	10.9	5.00	20.01	3.73	0.55	0.39	0.94	
. LSD	243	340	1.3	0.7	0.22	0.89	0.22	0.06	0.03	0.09	

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	5.35	0.88	1.148	83.6	7.9	30.7	7.5	76.0	7.1	9	45.27
1453 PHY 399WRF	4.86	0.86	1.199	84.1	7.8	32.0	8.2	77.3	6.3	8	46.61
1428 AM 1511B2RF	4.98	0.86	1.184	84.4	7.4	31.8	8.9	77.4	7.4	8	50.08
1326 PHY 375WRF	5.19	0.88	1.155	83.8	8.2	29.8	7.3	77.5	6.8	8	47.97
1358 FM 1740B2F	5.07	0.87	1.168	84.3	7.7	31.9	7.5	77.1	6.8	8	47.52
1396 DP 1048B2RF	4.88	0.87	1.209	83.2	8.6	32.4	7.8	76.3	7.0	7	47.37
1404 PHY 499WRF	5.04	0.86	1.186	85.2	6.9	33.9	8.8	76.1	7.0	8	52.24

1376 ST 5458B2RF	5.32	0.88	1.185	83.5	8.1	32.7	7.4	75.6	7.6	8	45.15
1344 FM 9058F	4.77	0.88	1.212	83.5	8.8	32.4	6.2	78.8	6.5	7	61.40
1426 Phytogen 725RF	4.69	0.86	1.221	84.3	7.3	36.2	8.5	75.3	7.4	8	62.19
. LSD	0.17	0.01	0.028	1.3	0.9	1.3	0.8	2.0	0.6	2	6.65

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.90	1.03	15.0	4.8	1.19	191.4	2.6	0.98	78	7
1453 PHY 399WRF	0.90	1.06	16.5	5.6	1.25	172.9	4.1	0.95	135	12
1428 AM 1511B2RF	0.94	1.08	13.5	4.2	1.25	178.5	3.6	0.94	80	3
1326 PHY 375WRF	0.91	1.05	14.5	4.5	1.22	181.0	2.9	0.97	62	5
1358 FM 1740B2F	0.94	1.08	14.0	4.4	1.26	179.2	3.4	0.96	57	5
1396 DP 1048B2RF	1.00	1.12	11.5	3.5	1.31	179.2	3.7	0.94	59	3
1404 PHY 499WRF	0.91	1.05	15.0	4.9	1.22	179.4	3.4	0.95	78	10
1376 ST 5458B2RF	0.90	1.06	16.5	5.2	1.24	192.0	2.6	1.00	60	4
1344 FM 9058F	0.94	1.10	16.5	5.0	1.31	171.7	3.6	0.97	91	4
1426 Phytogen 725RF	0.97	1.12	12.5	3.8	1.32	166.9	2.9	0.98	73	6
. LSD	0.03	0.03	1.7	0.8	0.03	7.5	0.6	0.02	35	5

LOCATION=STONEVILLE, MS

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1326 PHY 375WRF	2502	3037	45.2	9.8	5.40	20.39	3.72	0.68	0.50	1.18
1404 PHY 499WRF	2326	3096	43.1	10.3	5.70	20.32	3.63	0.65	0.42	1.07
1453 PHY 399WRF	2175	2790	43.8	9.5	5.35	20.83	3.53	0.80	0.53	1.33
1412 DP 0912B2RF	2084	2682	43.8	9.8	5.35	20.48	3.44	0.71	0.47	1.18
1428 AM 1511B2RF	2051	2506	45.0	10.8	5.70	19.53	3.77	0.90	0.63	1.52
1358 FM 1740B2F	1976	2567	43.5	10.8	5.60	20.46	3.46	0.58	0.46	1.04
1396 DP 1048B2RF	1955	2308	45.9	9.0	5.35	16.88	3.74	0.77	0.49	1.26
1376 ST 5458B2RF	1898	2648	41.8	10.5	5.70	22.14	3.48	0.81	0.49	1.30
1344 FM 9058F	1617	2309	41.2	10.8	5.60	20.98	3.48	0.40	0.40	0.80
1426 Phytogen 725RF	1360	1856	42.5	10.8	6.10	19.92	3.61	0.68	0.44	1.11
. LSD	322	596	4.3	0.9	0.72	1.09	0.28	0.17	0.06	0.23

-----HVI FIBER PROPERTIES-----

VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS		---SPINNING DATA---	
								RD	Plus b	WASTE (%)	YT (mN/TEX)
1326 PHY 375WRF	4.78	0.87	1.119	82.7	9.5	29.5	7.0	81.5	7.1	6	49.03
1404 PHY 499WRF	4.73	0.86	1.140	83.8	8.3	31.1	8.2	79.7	7.2	6	56.39
1453 PHY 399WRF	4.62	0.86	1.156	84.3	8.2	29.9	7.6	82.2	6.4	5	50.00
1412 DP 0912B2RF	5.39	0.88	1.072	82.4	9.6	28.2	7.4	81.0	7.0	8	43.78
1428 AM 1511B2RF	5.13	0.87	1.146	83.9	8.4	30.6	8.3	80.0	7.2	5	50.04
1358 FM 1740B2F	4.93	0.87	1.127	84.0	8.5	28.7	7.4	80.5	6.4	7	47.81
1396 DP 1048B2RF	4.95	0.87	1.134	84.5	8.5	28.8	7.8	80.8	7.4	6	44.49

1376 ST 5458B2RF	5.14	0.88	1.133	83.3	9.2	29.9	6.7	77.9	7.3	7	50.13
1344 FM 9058F	4.58	0.87	1.167	82.2	9.4	28.8	6.2	82.0	6.5	6	55.18
1426 Phytogen 725RF	4.88	0.87	1.182	84.7	7.5	32.9	8.0	78.5	7.2	6	54.24
. LSD	0.19	0.01	0.069	3.0	2.6	2.9	0.7	1.5	0.7	3	9.14

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1326 PHY 375WRF	0.82	0.98	21.5	7.5	1.17	169.1	2.7	0.92	66	5
1404 PHY 499WRF	0.87	1.02	17.5	5.9	1.20	172.6	2.1	0.93	71	8
1453 PHY 399WRF	0.88	1.03	18.0	6.0	1.22	169.3	2.6	0.93	75	6
1412 DP 0912B2RF	0.85	0.99	17.5	5.7	1.15	182.9	2.1	0.93	64	4
1428 AM 1511B2RF	0.91	1.04	14.0	4.5	1.20	179.1	2.1	0.93	61	4
1358 FM 1740B2F	0.87	1.02	18.5	6.1	1.20	171.6	2.5	0.92	56	5
1396 DP 1048B2RF	0.85	1.00	18.0	6.4	1.18	174.1	2.7	0.91	68	3
1376 ST 5458B2RF	0.85	1.00	19.0	6.4	1.19	185.0	2.1	0.95	49	4
1344 FM 9058F	0.85	1.03	22.0	7.3	1.23	160.4	3.2	0.91	77	5
1426 Phytogen 725RF	0.89	1.04	17.5	5.7	1.23	171.9	2.2	0.94	71	8
. LSD	0.07	0.06	5.4	2.2	0.06	7.2	0.9	0.02	25	6

LOCATION=PORTAGEVILLE, MO

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	1206	.	.	11.3	.	18.50	3.65	0.63	0.43	1.06
1453 PHY 399WRF	1203	.	.	9.9	.	18.14	3.53	0.81	0.55	1.35
1376 ST 5458B2RF	1196	.	.	11.3	.	17.22	3.61	0.76	0.47	1.22
1404 PHY 499WRF	1138	.	.	11.3	.	17.46	3.65	0.71	0.44	1.14
1428 AM 1511B2RF	1117	.	.	11.3	.	18.27	3.53	0.84	0.59	1.42
1326 PHY 375WRF	933	.	.	11.3	.	18.70	3.89	0.69	0.51	1.20
1344 FM 9058F	915	.	.	11.3	.	19.67	3.74	0.41	0.39	0.80
1358 FM 1740B2F	864	.	.	11.3	.	18.52	3.63	0.55	0.43	0.98
1426 Phytogen 725RF	652	.	.	11.3	.	19.91	4.00	0.57	0.41	0.98
1396 DP 1048B2RF	605	.	.	11.3	.	15.04	4.22	0.73	0.46	1.19
. LSD	128	.	.	1.4	.	1.36	0.23	0.05	0.03	0.08

-----HVI FIBER PROPERTIES-----											
-----SPINNING DATA-----											
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	4.66	0.86	1.127	82.8	9.2	30.8	7.8	78.2	7.9	11	48.78
1453 PHY 399WRF	4.36	0.86	1.189	83.3	8.5	31.6	7.2	77.0	7.4	8	51.88
1376 ST 5458B2RF	4.14	0.86	1.150	82.3	10.3	32.5	7.0	77.5	8.2	8	50.35
1404 PHY 499WRF	4.67	0.86	1.140	83.5	8.5	32.6	8.2	77.4	8.2	8	50.09
1428 AM 1511B2RF	4.69	0.86	1.155	83.7	8.4	33.4	8.5	77.6	8.1	7	46.06
1326 PHY 375WRF	4.56	0.87	1.130	83.3	8.9	30.1	7.2	76.3	7.9	8	50.63
1344 FM 9058F	4.09	0.86	1.183	82.0	9.4	32.2	6.2	76.9	7.7	10	48.40

1358 FM 1740B2F	4.53	0.86	1.132	81.9	9.5	31.1	7.2	78.4	7.8	8	45.10
1426 Phytogen 725RF	4.46	0.86	1.232	84.3	7.3	35.7	7.9	74.6	8.2	8	56.75
1396 DP 1048B2RF	4.75	0.86	1.169	84.0	8.2	30.7	8.1	77.3	8.3	7	44.61
. LSD	0.27	0.01	0.025	1.3	1.1	1.2	0.7	1.4	0.5	3	6.80

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.87	1.02	18.0	5.9	1.19	172.7	4.9	0.89	139	14
1453 PHY 399WRF	0.93	1.08	15.5	4.9	1.27	161.5	4.4	0.89	152	26
1376 ST 5458B2RF	0.85	1.03	21.5	7.3	1.24	161.7	5.7	0.87	159	12
1404 PHY 499WRF	0.87	1.02	17.5	5.8	1.19	172.0	4.2	0.89	161	18
1428 AM 1511B2RF	0.90	1.04	16.5	5.2	1.22	171.0	4.5	0.89	140	12
1326 PHY 375WRF	0.89	1.03	16.5	5.3	1.21	170.2	4.5	0.90	118	12
1344 FM 9058F	0.90	1.07	18.5	5.9	1.27	150.5	5.7	0.87	182	12
1358 FM 1740B2F	0.86	1.02	19.0	6.4	1.21	166.5	5.3	0.88	120	19
1426 Phytogen 725RF	0.95	1.11	14.5	4.4	1.30	163.5	3.7	0.93	155	17
1396 DP 1048B2RF	0.91	1.06	17.0	5.4	1.24	178.2	4.5	0.89	123	22
. LSD	0.03	0.03	2.8	1.0	0.03	8.0	0.8	0.02	54	10

LOCATION=KEISER, AR

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	521	605	41.1	8.4	3.80	17.85	3.14	0.64	0.43	1.06
1428 AM 1511B2RF	499	576	42.9	8.7	3.90	18.48	3.31	0.68	0.48	1.15
1404 PHY 499WRF	350	416	42.7	8.3	3.75	17.40	3.45	0.60	0.38	0.98
1453 PHY 399WRF	345	531	42.1	9.3	4.00	18.17	3.64	0.61	0.41	1.02
1326 PHY 375WRF	334	353	42.4	9.4	4.10	17.01	3.44	0.54	0.41	0.95
1358 FM 1740B2F	333	405	41.1	10.0	4.25	17.72	3.79	0.48	0.36	0.84
1376 ST 5458B2RF	310	466	40.0	9.3	4.20	18.29	3.68	0.61	0.38	0.99
1344 FM 9058F	303	379	41.1	10.2	4.05	18.62	3.61	0.37	0.36	0.73
1396 DP 1048B2RF	299	365	41.4	9.2	3.75	15.42	4.06	0.63	0.40	1.02
1426 Phytogen 725RF	115	157	37.0	10.9	3.35	18.75	3.56	0.45	0.32	0.77
. LSD	92	185	1.7	0.9	0.88	2.10	0.36	0.07	0.04	0.12

-----HVI FIBER PROPERTIES-----										-----SPINNING DATA-----	
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	4.66	0.86	1.121	83.9	8.3	31.4	8.3	79.7	7.4	9	58.94
1428 AM 1511B2RF	4.61	0.85	1.141	85.0	7.3	33.2	9.3	80.1	7.7	9	52.65
1404 PHY 499WRF	4.44	0.85	1.123	84.3	8.8	32.5	9.1	78.9	7.8	6	59.75
1453 PHY 399WRF	4.40	0.86	1.181	84.6	7.6	31.4	7.8	81.3	6.9	6	57.99
1326 PHY 375WRF	4.36	0.86	1.153	84.2	8.0	30.0	7.5	80.1	7.1	6	56.71
1358 FM 1740B2F	4.85	0.87	1.136	84.0	7.6	31.8	7.7	80.9	7.0	5	54.87
1376 ST 5458B2RF	4.78	0.87	1.120	82.8	9.6	32.2	7.7	79.8	8.0	5	59.60

1344 FM 9058F	4.37	0.86	1.174	83.2	8.5	32.2	6.7	81.6	6.7	6	58.18
1396 DP 1048B2RF	4.69	0.85	1.157	84.4	7.7	31.6	9.1	79.8	7.7	7	53.70
1426 Phytogen 725RF	4.19	0.85	1.207	83.4	8.0	34.3	8.5	78.1	7.8	7	59.72
. LSD	0.56	0.02	0.056	2.5	3.0	2.9	0.6	1.2	0.6	4	10.21

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.88	1.01	14.0	4.7	1.16	175.7	3.0	0.92	75	5
1428 AM 1511B2RF	0.88	1.00	15.5	5.3	1.17	172.0	3.7	0.91	90	7
1404 PHY 499WRF	0.89	1.03	16.5	5.5	1.20	168.2	3.8	0.89	76	9
1453 PHY 399WRF	0.93	1.07	13.5	4.6	1.24	167.5	3.9	0.91	114	8
1326 PHY 375WRF	0.86	1.01	18.5	6.3	1.18	164.9	4.3	0.90	102	11
1358 FM 1740B2F	0.86	1.00	18.0	6.2	1.17	177.7	3.3	0.93	76	13
1376 ST 5458B2RF	0.85	1.00	19.0	6.7	1.18	170.2	3.9	0.92	97	14
1344 FM 9058F	0.88	1.05	18.5	6.2	1.24	157.5	4.5	0.90	112	10
1396 DP 1048B2RF	0.90	1.04	15.5	5.3	1.22	170.5	4.0	0.88	97	6
1426 Phytogen 725RF	0.92	1.08	15.5	5.0	1.28	159.9	3.4	0.95	128	14
. LSD	0.04	0.04	2.9	1.2	0.03	13.4	1.0	0.04	43	8



2013 National Cotton Variety Test

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WESTERN REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	1440	2129	39.8	9.6	5.16	20.51	3.29	0.71	0.51	1.23
1344 FM 9058F	1352	2000	39.9	10.3	5.31	21.20	3.41	0.45	0.45	0.90
1426 Phytogen 725RF	1294	2103	37.9	10.3	5.46	22.21	3.54	0.60	0.44	1.04
1326 PHY 375WRF	1288	1882	40.3	9.4	5.23	20.78	3.65	0.67	0.52	1.19
1361 PHY 755WRF	1226	2036	37.5	9.9	5.14	21.90	3.59	0.55	0.42	0.97
1413 FM 9170B2F	1218	1797	40.5	9.5	5.31	22.23	3.32	0.66	0.45	1.11
1370 DP 161B2RF	1172	1767	37.4	9.5	4.93	19.31	3.47	0.53	0.40	0.93
. LSD	171	315	1.6	1.0	0.42	1.18	0.19	0.10	0.08	0.17

VARIETY	-----HVI FIBER PROPERTIES-----								--SPINNING DATA--		
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD Plus b	WASTE (%)	YT (mN/TEX)	
1412 DP 0912B2RF	4.99	0.87	1.117	82.7	9.5	29.5	8.1	82.6	8.0	6	45.78
1344 FM 9058F	4.49	0.87	1.151	80.9	11.2	29.2	6.5	84.3	7.4	8	50.57
1426 Phytogen 725RF	4.55	0.86	1.186	82.6	8.6	32.9	8.1	81.4	8.5	6	52.37
1326 PHY 375WRF	4.62	0.86	1.118	82.0	10.0	29.0	7.5	82.8	8.1	6	42.74
1361 PHY 755WRF	4.38	0.85	1.231	83.2	8.0	34.2	7.9	81.7	8.5	6	54.50
1413 FM 9170B2F	4.06	0.85	1.170	82.3	9.8	30.7	7.0	85.4	7.0	6	51.01
1370 DP 161B2RF	4.58	0.86	1.177	82.5	9.6	30.7	7.8	83.3	7.7	6	49.19
. LSD	0.31	0.01	0.040	1.7	1.6	1.8	0.5	1.2	0.5	2	4.83

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.82	0.98	22.3	7.8	1.17	174.7	3.6	0.89	153	7
1344 FM 9058F	0.79	0.99	26.8	9.6	1.21	159.0	4.5	0.88	203	7
1426 Phytogen 725RF	0.87	1.05	20.0	6.7	1.26	158.4	3.6	0.89	160	10
1326 PHY 375WRF	0.79	0.97	25.2	9.2	1.18	163.9	4.3	0.87	178	11
1361 PHY 755WRF	0.90	1.09	19.7	6.3	1.31	157.6	3.4	0.90	161	8
1413 FM 9170B2F	0.82	1.01	24.3	8.6	1.23	151.9	4.4	0.88	238	9
1370 DP 161B2RF	0.86	1.05	21.2	7.0	1.27	168.4	3.6	0.89	165	8
. LSD	0.04	0.04	3.1	1.4	0.04	6.3	0.7	0.02	62	5

-----SEED PROPERTIES-----										
-----GOSSYPOL DATA-----										
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
FIVE POINTS, CA	1685	2671	38.7	9.9	5.65	19.60	3.58	0.57	0.44	1.01
LAS CRUCES, NM	1601	2316	40.8	.	5.49	22.04	3.35	0.64	0.50	1.14
EL PASO, TX	567	890	37.6	9.7	4.51	21.84	3.47	0.59	0.42	1.01

-----HVI FIBER PROPERTIES-----										-----SPINNING DATA-----	
VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
FIVE POINTS, CA	4.11	0.85	1.156	80.7	11.2	30.5	7.5	84.0	7.6	5	47.78
LAS CRUCES, NM	4.80	0.86	1.208	84.7	7.3	31.5	7.8	82.2	8.4	8	50.71
EL PASO, TX	4.67	0.86	1.129	81.5	10.1	30.6	7.4	83.0	7.6	5	49.86

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
FIVE POINTS, CA	0.79	1.00	28.1	10.0	1.24	150.1	4.7	0.86	262	10
LAS CRUCES, NM	0.91	1.07	16.5	5.3	1.27	175.6	3.3	0.94	88	10
EL PASO, TX	0.80	0.98	23.7	8.3	1.19	160.2	3.7	0.87	189	5

LOCATION=LAS CRUCES, NM

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	1843	2555	41.9	.	5.58	21.45	3.25	0.74	0.55	1.28
1344 FM 9058F	1717	2435	41.4	.	5.43	22.00	3.39	0.51	0.51	1.02
1326 PHY 375WRF	1683	2274	42.5	.	5.53	21.29	3.40	0.70	0.56	1.26
1426 Phytogen 725RF	1573	2461	38.7	.	5.70	22.74	3.39	0.61	0.47	1.08
1370 DP 161B2RF	1564	2364	40.0	.	5.40	20.98	3.29	0.60	0.47	1.07
1413 FM 9170B2F	1418	2018	41.2	.	5.60	23.43	3.22	0.75	0.54	1.28
1361 PHY 755WRF	1410	2104	40.2	.	5.23	22.42	3.54	0.57	0.43	1.00
. LSD	574	808	1.8	.	0.46	1.36	0.34	0.06	0.03	0.07

VARIETY	-----HVI FIBER PROPERTIES-----							--SPINNING DATA--			
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	5.15	0.87	1.170	85.4	7.0	31.4	8.8	82.3	8.6	7	46.64
1344 FM 9058F	4.74	0.87	1.178	82.8	8.8	30.1	6.9	82.6	7.9	11	52.20
1326 PHY 375WRF	5.05	0.87	1.147	83.4	8.2	29.9	7.7	81.2	8.8	8	43.53
1426 Phytogen 725RF	4.65	0.86	1.243	85.2	6.2	34.0	8.1	81.2	8.6	7	52.53
1370 DP 161B2RF	4.88	0.86	1.212	85.2	7.4	30.8	8.1	82.2	8.4	7	51.46
1413 FM 9170B2F	4.54	0.87	1.250	85.9	6.7	31.4	6.9	84.4	7.8	7	52.32
1361 PHY 755WRF	4.58	0.86	1.255	84.9	6.9	33.3	8.0	81.2	8.7	8	56.35
. LSD	0.27	0.02	0.080	2.9	1.3	2.0	1.3	1.3	0.9	4	7.25

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.90	1.04	16.0	5.1	1.22	188.5	2.9	0.95	105	12
1344 FM 9058F	0.86	1.03	20.0	6.9	1.23	172.5	4.0	0.93	108	5
1326 PHY 375WRF	0.90	1.04	16.5	5.5	1.22	180.3	3.2	0.93	88	13
1426 Phytogen 725RF	0.94	1.10	15.0	4.8	1.30	167.9	3.3	0.94	76	11
1370 DP 161B2RF	0.96	1.12	14.0	4.2	1.31	182.4	2.7	0.94	74	9
1413 FM 9170B2F	0.92	1.09	17.0	5.3	1.30	169.9	3.5	0.94	91	11
1361 PHY 755WRF	0.93	1.11	17.0	5.3	1.32	168.2	3.4	0.94	73	11
. LSD	0.08	0.04	7.2	3.0	0.05	8.3	1.3	0.02	72	13

LOCATION=EL PASO, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1361 PHY 755WRF	607	1134	35.7	10.2	4.45	22.49	3.61	0.54	0.38	0.92
1326 PHY 375WRF	586	928	38.9	9.7	4.75	21.75	3.56	0.67	0.50	1.17
1412 DP 0912B2RF	586	959	37.9	9.2	4.25	20.64	3.27	0.64	0.44	1.08
1413 FM 9170B2F	586	876	40.4	9.3	4.50	23.71	3.34	0.69	0.46	1.15
1426 Phytogen 725RF	586	989	37.3	10.1	5.00	22.74	3.60	0.58	0.39	0.96
1344 FM 9058F	584	930	38.3	9.9	4.40	21.47	3.43	0.43	0.41	0.84
1370 DP 161B2RF	433	416	34.7	9.4	4.25	20.09	3.49	0.56	0.39	0.95
. LSD	161	361	3.0	0.7	0.45	1.46	0.31	0.06	0.05	0.10

VARIETY	-----HVI FIBER PROPERTIES-----								--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD Plus b	WASTE (%)	YT (mN/TEX)
1361 PHY 755WRF	4.46	0.86	1.201	82.3	8.5	35.6	8.0	81.8 8.1	4	52.63
1326 PHY 375WRF	4.90	0.87	1.080	81.0	10.6	28.0	7.4	83.0 7.9	5	42.42
1412 DP 0912B2RF	5.21	0.88	1.056	81.5	11.3	27.8	7.6	82.0 7.6	6	42.38
1413 FM 9170B2F	4.22	0.86	1.133	81.6	9.9	31.1	7.1	85.1 6.9	5	54.82
1426 Phytogen 725RF	4.67	0.86	1.152	82.6	8.6	32.7	8.0	81.5 8.4	4	55.85
1344 FM 9058F	4.54	0.87	1.124	79.9	12.3	28.4	6.2	84.0 7.1	8	52.42
1370 DP 161B2RF	4.67	0.87	1.159	82.0	9.9	31.0	7.6	84.0 7.4	5	48.50
. LSD	0.58	0.01	0.019	1.6	1.5	0.8	0.5	0.5 0.6	4	4.23

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1361 PHY 755WRF	0.90	1.07	18.0	5.7	1.27	156.1	2.9	0.89	190	8
1326 PHY 375WRF	0.75	0.94	28.0	10.2	1.14	165.3	4.2	0.86	162	7
1412 DP 0912B2RF	0.78	0.93	23.0	8.3	1.10	173.7	3.3	0.88	158	5
1413 FM 9170B2F	0.78	0.97	26.0	9.2	1.18	149.3	4.3	0.86	241	6
1426 Phytogen 725RF	0.84	1.01	20.0	6.8	1.20	157.6	3.2	0.88	153	5
1344 FM 9058F	0.76	0.96	28.5	10.4	1.18	154.5	4.7	0.86	223	6
1370 DP 161B2RF	0.83	1.02	22.5	7.5	1.23	164.8	3.7	0.87	199	3
. LSD	0.04	0.04	4.2	1.9	0.04	13.0	1.4	0.03	68	6

LOCATION=FIVE POINTS, CA

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						-----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	1892	2874	39.7	10.1	5.67	19.45	3.35	0.77	0.55	1.32



2013 National Cotton Variety Test

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PIMA REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1472 PHY 811RF	1613	9367	33.2	12.8	3.88	23.80	3.55	0.55	0.57	1.11
1471 DP 358RF	1541	2544	38.0	12.9	3.95	24.35	3.42	0.53	0.56	1.08
1433 PHY 802	1486	2490	37.4	13.5	3.90	25.25	3.30	0.56	0.61	1.17
1272 DP 340	1258	2197	36.4	.	3.98	25.78	3.37	0.58	0.62	1.20
1273 PHY 800	1092	1826	37.4	.	4.23	25.21	3.66	0.56	0.61	1.17
1374 DP 357	822	1352	37.9	.	4.40	25.63	3.30	0.55	0.64	1.19
. LSD	851	33E3	19.3	.	0.57	4.02	0.26	0.08	0.26	0.27

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1472 PHY 811RF	4.05	0.86	1.370	84.5	5.0	38.9	7.1	72.1	10.9	8	62.86
1471 DP 358RF	3.72	0.85	1.387	85.8	4.9	40.9	6.8	76.0	10.4	8	65.76
1433 PHY 802	3.73	0.85	1.434	87.8	4.9	44.1	6.7	76.0	10.1	10	64.90
1272 DP 340	.	.	.	.	.	.	.	.	.	6	71.06
1273 PHY 800	.	.	.	.	.	.	.	.	.	9	65.36
1374 DP 357	4.50	0.86	1.372	86.5	5.0	42.7	7.0	70.2	11.9	7	71.07
. LSD	.	.	.	.	.	.	.	.	.	10	16.56

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1472 PHY 811RF	1.04	1.25	15.8	4.1	1.50	145.6	2.8	0.94	106	5
1471 DP 358RF	1.04	1.26	16.5	4.3	1.52	139.4	2.8	0.94	123	2
1433 PHY 802	1.06	1.26	14.0	3.5	1.51	147.2	2.5	0.95	116	4
1272 DP 340	1.02	1.21	15.5	4.4	1.46	144.0	3.6	0.95	91	3
1273 PHY 800	1.04	1.25	16.0	4.2	1.50	143.2	3.2	0.95	85	2
1374 DP 357	1.04	1.23	14.5	3.9	1.46	151.8	3.0	0.97	68	4
. LSD	0.08	0.04	10.2	2.5	0.12	13.3	2.8	0.10	10	4

VARIETY	-----SEED PROPERTIES-----						-----GOSSYPOL DATA-----			
	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
FIVE POINTS, CA	1854	7574	34.4	13.1	3.76	24.62	3.51	0.58	0.61	1.19
LAS CRUCES, NM	1148	1909	37.6	.	4.13	24.93	3.39	0.54	0.58	1.12

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
FIVE POINTS, CA	3.78	0.85	1.401	86.7	5.0	41.8	6.8	75.8	10.3	7	65.16
LAS CRUCES, NM	4.35	0.86	1.365	84.6	5.0	40.1	7.2	69.5	11.6	9	66.51

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
FIVE POINTS, CA	1.04	1.26	17.0	4.2	1.53	138.6	2.4	0.92	141	4
LAS CRUCES, NM	1.04	1.24	14.6	3.9	1.48	147.9	3.1	0.96	85	3

LOCATION=FIVE POINTS, CA
SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1471 DP 358RF	1959	3311	37.2	12.9	3.88	24.52	3.50	0.57	0.61	1.18
1472 PHY 811RF	1892	17E3	28.9	12.8	3.68	24.49	3.67	0.58	0.63	1.20
1433 PHY 802	1712	2891	37.2	13.5	3.73	24.86	3.36	0.59	0.61	1.20
. LSD	179	27E3	16.8	3.2	0.36	2.31	0.33	0.08	0.09	0.17

VARIETY	-----HVI FIBER PROPERTIES-----							--SPINNING DATA--			
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1471 DP 358RF	3.72	0.85	1.387	85.8	4.9	40.9	6.8	76.0	10.4	7	65.39
1472 PHY 811RF	3.91	0.85	1.383	86.5	5.1	40.4	6.8	75.4	10.6	7	66.05
1433 PHY 802	3.73	0.85	1.434	87.8	4.9	44.1	6.7	76.0	10.1	7	64.03
. LSD	0.15	.	0.106	1.3	0.5	3.1	0.9	0.5	0.4	2	9.57

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1471 DP 358RF	1.02	1.27	19.0	4.8	1.54	134.7	2.6	0.92	150	3
1472 PHY 811RF	1.04	1.26	16.0	4.0	1.50	141.2	2.2	0.93	131	5
1433 PHY 802	1.06	1.27	16.0	3.8	1.54	140.0	2.5	0.92	142	4
. LSD	0.06	0.09	.	0.2	0.12	13.2	0.7	0.05	12	2

LOCATION=LAS CRUCES, NM

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1472 PHY 811RF	1333	2215	37.6	.	4.08	23.12	3.44	0.52	0.51	1.03
1433 PHY 802	1260	2089	37.6	.	4.08	25.65	3.24	0.53	0.61	1.13
1272 DP 340	1258	2197	36.4	.	3.98	25.78	3.37	0.58	0.62	1.20
1471 DP 358RF	1123	1777	38.8	.	4.03	24.18	3.35	0.48	0.51	0.99
1273 PHY 800	1092	1826	37.4	.	4.23	25.21	3.66	0.56	0.61	1.17
1374 DP 357	822	1352	37.9	.	4.40	25.63	3.30	0.55	0.64	1.19
. LSD	191	323	1.5	.	0.42	2.33	0.31	0.12	0.22	0.32

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1472 PHY 811RF	4.20	0.86	1.357	82.6	4.9	37.4	7.3	68.8	11.2	8	59.66
1433 PHY 802	.	.	.	.	.	.	.	.	.	12	65.78
1272 DP 340	.	.	.	.	.	.	.	.	.	6	71.06
1471 DP 358RF	.	.	.	.	.	.	.	.	.	10	66.13
1273 PHY 800	.	.	.	.	.	.	.	.	.	9	65.36
1374 DP 357	4.50	0.86	1.372	86.5	5.0	42.7	7.0	70.2	11.9	7	71.07
. LSD	.	.	.	.	.	.	.	.	.	10	13.40

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1472 PHY 811RF	1.05	1.25	15.5	4.2	1.50	150.0	3.5	0.95	82	5
1433 PHY 802	1.07	1.25	12.0	3.2	1.48	154.4	2.5	0.98	90	5
1272 DP 340	1.02	1.21	15.5	4.4	1.46	144.0	3.6	0.95	91	3
1471 DP 358RF	1.06	1.26	14.0	3.8	1.51	144.0	3.0	0.96	97	2
1273 PHY 800	1.04	1.25	16.0	4.2	1.50	143.2	3.2	0.95	85	2
1374 DP 357	1.04	1.23	14.5	3.9	1.46	151.8	3.0	0.97	68	4
. LSD	0.09	0.09	3.2	1.3	0.10	15.2	1.2	0.05	26	6



2013 National Cotton Variety Test

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REGIONAL HIGH QUALITY

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE
						-----GOSSYPOL DATA-----				
1458 PX 3122-40WRF	1437	1969	43.2	9.4	5.18	19.94	3.54	0.71	0.51	1.23
1457 DP 1321B2RF	1346	1946	42.7	9.6	5.17	18.76	3.47	0.64	0.50	1.14
1469 PHY 339WRF	1322	1824	42.1	9.3	4.84	19.52	3.42	0.75	0.52	1.28
1456 Ark 1517-28	1316	1927	40.9	10.8	5.36	21.23	3.68	0.98	0.55	1.53
1454 Ark 0606-1	1290	1994	40.5	11.3	5.40	20.23	3.62	0.67	0.49	1.16
1459 PX 4444-13WRF	1277	1820	43.2	10.5	5.07	19.49	3.40	0.49	0.54	1.04
1326 PHY 375WRF	1256	1772	43.0	9.8	4.94	19.31	3.57	0.66	0.51	1.17
1464 NGX 3306B2RF	1254	1967	39.9	9.9	5.06	20.39	3.46	0.61	0.43	1.05
1451 FM 1944GLB2	1229	1834	40.0	10.6	5.30	18.16	3.18	0.48	0.49	0.97
1463 DC F6 Bulk Population	1225	2028	39.0	10.3	5.24	20.22	3.61	0.77	0.52	1.28
1462 MD10-6	1224	1836	42.9	10.0	5.25	16.27	3.83	0.54	0.39	0.93
1461 ST 6448GLB2	1218	1949	40.3	10.1	5.14	18.58	3.29	0.70	0.45	1.15
1455 Ark 0614-1	1155	1958	38.3	11.1	5.86	20.43	3.57	0.72	0.51	1.23
1436 DP 1219B2RF	1113	1714	41.3	9.2	4.74	18.68	3.42	0.58	0.42	1.00
1460 FM 8270GLB2	1096	1698	39.6	10.8	5.55	19.83	3.41	0.48	0.41	0.89
1344 FM 9058F	1083	1729	40.2	10.6	5.16	20.43	3.43	0.44	0.44	0.88
1421 LA35RS	1068	1864	38.6	11.2	5.58	19.97	3.48	0.65	0.46	1.10
1397 DP 1050B2RF	1063	1510	43.7	9.3	4.94	15.72	3.81	0.69	0.48	1.17

1441 FM 2484B2F	1057	1570	40.8	10.2	4.85	21.54	3.47	0.66	0.45	1.11
1442 LA 17	939	1731	37.6	10.9	5.51	19.95	3.37	0.65	0.45	1.10
. LSD	218	357	1.2	0.7	0.35	0.79	0.14	0.06	0.03	0.09

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1458 PX 3122-40WRF	4.42	0.86	1.186	83.8	8.3	31.1	7.5	78.0	8.5	8	49.72
1457 DP 1321B2RF	4.74	0.85	1.162	84.3	7.6	31.0	9.1	79.0	8.0	8	50.90
1469 PHY 339WRF	4.47	0.86	1.164	83.4	8.6	30.8	7.9	79.5	7.6	10	48.86
1456 Ark 1517-28	4.47	0.86	1.195	84.3	7.6	31.4	7.8	79.6	8.2	7	51.92
1454 Ark 0606-1	4.55	0.86	1.209	83.8	8.1	31.9	8.0	79.5	7.9	7	52.02
1459 PX 4444-13WRF	4.03	0.85	1.249	85.0	7.1	32.3	7.6	80.3	8.1	7	53.41
1326 PHY 375WRF	4.48	0.86	1.140	83.0	8.8	29.4	7.7	79.5	8.0	8	48.42
1464 NGX 3306B2RF	4.58	0.86	1.219	85.3	7.2	32.8	8.4	78.8	8.2	7	51.05
1451 FM 1944GLB2	4.63	0.87	1.212	83.3	8.5	32.4	6.8	81.1	6.9	7	51.89
1463 DC F6 Bulk Population	4.76	0.87	1.182	83.9	7.7	31.9	7.7	79.2	8.1	7	51.78
1462 MD10-6	4.51	0.86	1.157	83.7	7.5	32.3	7.9	79.9	7.6	7	54.85
1461 ST 6448GLB2	4.50	0.87	1.198	83.0	9.1	30.6	6.6	80.1	7.8	8	51.15
1455 Ark 0614-1	4.63	0.86	1.212	85.0	7.1	31.8	8.3	79.2	8.0	7	53.08
1436 DP 1219B2RF	4.40	0.86	1.196	83.4	8.3	33.4	7.4	80.2	7.8	7	52.95
1460 FM 8270GLB2	4.58	0.87	1.200	84.2	7.8	32.7	6.9	79.6	7.3	7	57.16
1344 FM 9058F	4.39	0.86	1.195	82.9	8.7	31.0	6.8	79.9	7.5	8	51.46
1421 LA35RS	4.48	0.86	1.224	84.9	7.3	33.2	7.8	78.7	8.4	8	55.79
1397 DP 1050B2RF	4.57	0.85	1.171	83.8	8.6	29.9	8.5	79.3	8.5	7	45.62
1441 FM 2484B2F	4.38	0.86	1.213	83.8	7.8	32.7	6.9	80.8	7.5	8	56.11
1442 LA 17	4.37	0.86	1.215	84.7	7.4	34.3	7.5	78.9	7.7	8	56.27
. LSD	0.15	0.00	0.019	0.7	0.6	1.0	0.3	0.9	0.4	2	2.89

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1458 PX 3122-40WRF	0.91	1.07	17.4	5.6	1.26	167.9	3.8	0.91	121	11
1457 DP 1321B2RF	0.90	1.04	14.8	4.9	1.21	175.0	3.2	0.91	114	8
1469 PHY 339WRF	0.91	1.06	15.9	5.2	1.24	166.0	3.5	0.92	114	11
1456 Ark 1517-28	0.93	1.08	15.0	4.7	1.26	168.7	3.5	0.92	105	7
1454 Ark 0606-1	0.90	1.07	17.9	5.7	1.27	169.8	3.4	0.92	120	8
1459 PX 4444-13WRF	0.94	1.11	17.6	5.4	1.32	158.6	4.2	0.89	131	9
1326 PHY 375WRF	0.87	1.02	18.1	6.0	1.21	166.0	3.7	0.90	111	10
1464 NGX 3306B2RF	0.94	1.10	16.2	5.0	1.29	167.4	3.4	0.91	112	8
1451 FM 1944GLB2	0.91	1.08	19.0	6.1	1.29	166.5	3.5	0.94	108	8
1463 DC F6 Bulk Population	0.93	1.07	14.9	4.6	1.26	176.3	3.3	0.93	95	8
1462 MD10-6	0.90	1.04	14.1	4.6	1.21	162.2	3.5	0.91	115	9
1461 ST 6448GLB2	0.90	1.07	19.2	6.3	1.28	171.8	3.6	0.92	137	12
1455 Ark 0614-1	0.93	1.09	15.2	4.6	1.27	172.1	3.4	0.91	121	11
1436 DP 1219B2RF	0.89	1.06	18.8	6.1	1.26	165.1	3.7	0.92	115	8
1460 FM 8270GLB2	0.91	1.07	17.1	5.5	1.27	166.0	3.2	0.94	117	11
1344 FM 9058F	0.89	1.07	18.5	5.9	1.27	161.1	3.8	0.92	125	8
1421 LA35RS	0.96	1.11	14.3	4.4	1.31	171.1	3.3	0.93	114	10
1397 DP 1050B2RF	0.90	1.05	16.3	5.4	1.24	169.9	3.9	0.88	123	6
1441 FM 2484B2F	0.90	1.07	17.9	5.7	1.27	160.5	3.6	0.93	127	10

1442 LA 17	0.95	1.10	14.3	4.4	1.29	163.8	3.2	0.93	141	11
. LSD	0.03	0.02	1.9	0.7	0.02	5.2	0.5	0.02	25	4

----- subreg=71 REGION=HIGH QUALITY -----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1458 PX 3122-40WRF	1437	1969	43.2	9.4	5.18	19.94	3.54	0.71	0.51	1.23
1457 DP 1321B2RF	1346	1946	42.7	9.6	5.17	18.76	3.47	0.64	0.50	1.14
1469 PHY 339WRF	1322	1824	42.1	9.3	4.84	19.52	3.42	0.75	0.52	1.28
1456 Ark 1517-28	1316	1927	40.9	10.8	5.36	21.23	3.68	0.98	0.55	1.53
1454 Ark 0606-1	1290	1994	40.5	11.3	5.40	20.23	3.62	0.67	0.49	1.16
1459 PX 4444-13WRF	1277	1820	43.2	10.5	5.07	19.49	3.40	0.49	0.54	1.04
1326 PHY 375WRF	1256	1772	43.0	9.8	4.94	19.31	3.57	0.66	0.51	1.17
1464 NGX 3306B2RF	1254	1967	39.9	9.9	5.06	20.39	3.46	0.61	0.43	1.05
1451 FM 1944GLB2	1229	1834	40.0	10.6	5.30	18.16	3.18	0.48	0.49	0.97
1463 DC F6 Bulk Population	1225	2028	39.0	10.3	5.24	20.22	3.61	0.77	0.52	1.28
1462 MD10-6	1224	1836	42.9	10.0	5.25	16.27	3.83	0.54	0.39	0.93
1461 ST 6448GLB2	1218	1949	40.3	10.1	5.14	18.58	3.29	0.70	0.45	1.15
1455 Ark 0614-1	1155	1958	38.3	11.1	5.86	20.43	3.57	0.72	0.51	1.23
1436 DP 1219B2RF	1113	1714	41.3	9.2	4.74	18.68	3.42	0.58	0.42	1.00
1460 FM 8270GLB2	1096	1698	39.6	10.8	5.55	19.83	3.41	0.48	0.41	0.89
1344 FM 9058F	1083	1729	40.2	10.6	5.16	20.43	3.43	0.44	0.44	0.88
1421 LA35RS	1068	1864	38.6	11.2	5.58	19.97	3.48	0.65	0.46	1.10
1397 DP 1050B2RF	1063	1510	43.7	9.3	4.94	15.72	3.81	0.69	0.48	1.17
1441 FM 2484B2F	1057	1570	40.8	10.2	4.85	21.54	3.47	0.66	0.45	1.11
1442 LA 17	939	1731	37.6	10.9	5.51	19.95	3.37	0.65	0.45	1.10
. LSD	218	357	1.2	0.7	0.35	0.79	0.14	0.06	0.03	0.09

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1458 PX 3122-40WRF	4.42	0.86	1.186	83.8	8.3	31.1	7.5	78.0	8.5	8	49.72
1457 DP 1321B2RF	4.74	0.85	1.162	84.3	7.6	31.0	9.1	79.0	8.0	8	50.90
1469 PHY 339WRF	4.47	0.86	1.164	83.4	8.6	30.8	7.9	79.5	7.6	10	48.86
1456 Ark 1517-28	4.47	0.86	1.195	84.3	7.6	31.4	7.8	79.6	8.2	7	51.92
1454 Ark 0606-1	4.55	0.86	1.209	83.8	8.1	31.9	8.0	79.5	7.9	7	52.02
1459 PX 4444-13WRF	4.03	0.85	1.249	85.0	7.1	32.3	7.6	80.3	8.1	7	53.41
1326 PHY 375WRF	4.48	0.86	1.140	83.0	8.8	29.4	7.7	79.5	8.0	8	48.42
1464 NGX 3306B2RF	4.58	0.86	1.219	85.3	7.2	32.8	8.4	78.8	8.2	7	51.05
1451 FM 1944GLB2	4.63	0.87	1.212	83.3	8.5	32.4	6.8	81.1	6.9	7	51.89
1463 DC F6 Bulk Population	4.76	0.87	1.182	83.9	7.7	31.9	7.7	79.2	8.1	7	51.78
1462 MD10-6	4.51	0.86	1.157	83.7	7.5	32.3	7.9	79.9	7.6	7	54.85
1461 ST 6448GLB2	4.50	0.87	1.198	83.0	9.1	30.6	6.6	80.1	7.8	8	51.15
1455 Ark 0614-1	4.63	0.86	1.212	85.0	7.1	31.8	8.3	79.2	8.0	7	53.08
1436 DP 1219B2RF	4.40	0.86	1.196	83.4	8.3	33.4	7.4	80.2	7.8	7	52.95
1460 FM 8270GLB2	4.58	0.87	1.200	84.2	7.8	32.7	6.9	79.6	7.3	7	57.16
1344 FM 9058F	4.39	0.86	1.195	82.9	8.7	31.0	6.8	79.9	7.5	8	51.46

1421	LA35RS	4.48	0.86	1.224	84.9	7.3	33.2	7.8	78.7	8.4	8	55.79
1397	DP 1050B2RF	4.57	0.85	1.171	83.8	8.6	29.9	8.5	79.3	8.5	7	45.62
1441	FM 2484B2F	4.38	0.86	1.213	83.8	7.8	32.7	6.9	80.8	7.5	8	56.11
1442	LA 17	4.37	0.86	1.215	84.7	7.4	34.3	7.5	78.9	7.7	8	56.27
.	LSD	0.15	0.00	0.019	0.7	0.6	1.0	0.3	0.9	0.4	2	2.89

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)	
1458	PX 3122-40WRF	0.91	1.07	17.4	5.6	1.26	167.9	3.8	0.91	121	11
1457	DP 1321B2RF	0.90	1.04	14.8	4.9	1.21	175.0	3.2	0.91	114	8
1469	PHY 339WRF	0.91	1.06	15.9	5.2	1.24	166.0	3.5	0.92	114	11
1456	Ark 1517-28	0.93	1.08	15.0	4.7	1.26	168.7	3.5	0.92	105	7
1454	Ark 0606-1	0.90	1.07	17.9	5.7	1.27	169.8	3.4	0.92	120	8
1459	PX 4444-13WRF	0.94	1.11	17.6	5.4	1.32	158.6	4.2	0.89	131	9
1326	PHY 375WRF	0.87	1.02	18.1	6.0	1.21	166.0	3.7	0.90	111	10
1464	NGX 3306B2RF	0.94	1.10	16.2	5.0	1.29	167.4	3.4	0.91	112	8
1451	FM 1944GLB2	0.91	1.08	19.0	6.1	1.29	166.5	3.5	0.94	108	8
1463	DC F6 Bulk Population	0.93	1.07	14.9	4.6	1.26	176.3	3.3	0.93	95	8
1462	MD10-6	0.90	1.04	14.1	4.6	1.21	162.2	3.5	0.91	115	9
1461	ST 6448GLB2	0.90	1.07	19.2	6.3	1.28	171.8	3.6	0.92	137	12
1455	Ark 0614-1	0.93	1.09	15.2	4.6	1.27	172.1	3.4	0.91	121	11
1436	DP 1219B2RF	0.89	1.06	18.8	6.1	1.26	165.1	3.7	0.92	115	8
1460	FM 8270GLB2	0.91	1.07	17.1	5.5	1.27	166.0	3.2	0.94	117	11
1344	FM 9058F	0.89	1.07	18.5	5.9	1.27	161.1	3.8	0.92	125	8
1421	LA35RS	0.96	1.11	14.3	4.4	1.31	171.1	3.3	0.93	114	10
1397	DP 1050B2RF	0.90	1.05	16.3	5.4	1.24	169.9	3.9	0.88	123	6
1441	FM 2484B2F	0.90	1.07	17.9	5.7	1.27	160.5	3.6	0.93	127	10
1442	LA 17	0.95	1.10	14.3	4.4	1.29	163.8	3.2	0.93	141	11
.	LSD	0.03	0.02	1.9	0.7	0.02	5.2	0.5	0.02	25	4

----- sub reg=72 REGION=HIGH QUALITY -----

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA-----			
								PLUS	MINUS	FREE (%)	
1464	NGX 3306B2RF	1344	1978	40.4	9.2	5.98	21.68	2.89	0.85	0.58	1.42
1455	Ark 0614-1	1264	1902	39.9	10.6	5.63	21.66	2.95	0.90	0.62	1.52
1461	ST 6448GLB2	1244	1677	42.6	9.0	5.58	19.79	3.21	0.52	0.42	0.94
1458	PX 3122-40WRF	1220	1494	45.0	9.5	4.88	21.07	3.22	0.88	0.60	1.47
1326	PHY 375WRF	1191	1532	43.8	9.0	4.35	21.68	3.08	0.88	0.64	1.52
1397	DP 1050B2RF	1151	1394	45.3	8.7	5.63	17.86	3.26	0.82	0.55	1.37
1462	MD10-6	1125	1454	43.7	8.9	5.18	17.87	3.33	0.63	0.45	1.08
1457	DP 1321B2RF	1122	1458	43.3	9.4	4.35	20.68	3.20	0.79	0.58	1.37
1469	PHY 339WRF	1120	1473	43.1	9.0	4.70	21.95	2.98	1.03	0.71	1.73
1451	FM 1944GLB2	1112	1681	39.8	10.4	5.10	18.84	2.93	0.59	0.57	1.16
1441	FM 2484B2F	1106	1390	44.3	9.0	4.78	19.98	2.98	0.82	0.49	1.31
1459	PX 4444-13WRF	1105	1332	45.3	10.0	5.50	21.83	3.06	0.69	0.70	1.38
1436	DP 1219B2RF	1070	1381	43.7	8.3	4.68	19.37	3.19	0.70	0.49	1.19
1344	FM 9058F	1021	1491	40.7	10.4	5.13	21.90	3.00	0.58	0.56	1.14

1442 LA 17	995	1546	39.2	10.7	4.95	21.15	3.01	0.77	0.53	1.30
1454 Ark 0606-1	961	1306	42.4	11.1	6.40	20.73	3.09	0.87	0.64	1.51
1463 DC F6 Bulk Population	907	1305	40.9	9.8	5.75	21.12	3.05	0.94	0.62	1.56
1421 LA35RS	788	1197	39.7	10.8	4.70	20.45	3.02	0.79	0.54	1.32
1456 Ark 1517-28	760	1064	41.6	10.8	5.03	22.72	3.36	1.20	0.64	1.84
1460 FM 8270GLB2	624	976	39.0	10.6	5.45	21.25	3.07	0.76	0.48	1.24

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1464 NGX 3306B2RF	4.60	0.86	1.187	85.0	7.3	31.9	8.4	80.4	8.1	6	54.50
1455 Ark 0614-1	4.79	0.86	1.187	84.7	7.4	30.1	8.7	83.1	6.8	6	49.77
1461 ST 6448GLB2	4.54	0.87	1.175	84.4	8.0	30.5	6.8	82.4	7.2	7	54.87
1458 PX 3122-40WRF	4.70	0.86	1.163	85.2	7.7	30.5	8.3	80.3	8.5	5	52.12
1326 PHY 375WRF	4.59	0.86	1.109	83.2	8.6	27.7	8.1	83.6	6.9	5	50.56
1397 DP 1050B2RF	4.73	0.86	1.148	84.6	8.1	28.6	8.7	84.3	7.7	6	44.11
1462 MD10-6	4.45	0.86	1.116	84.1	7.4	31.6	7.4	79.2	7.1	6	55.40
1457 DP 1321B2RF	4.92	0.86	1.149	85.0	7.6	30.3	9.2	84.4	7.1	6	50.48
1469 PHY 339WRF	4.41	0.85	1.156	83.7	7.9	30.0	8.5	81.3	6.7	7	47.12
1451 FM 1944GLB2	4.81	0.87	1.199	84.4	8.1	32.3	6.9	82.2	6.8	6	55.71
1441 FM 2484B2F	4.62	0.87	1.178	83.8	8.2	30.4	6.8	81.2	7.4	7	54.51
1459 PX 4444-13WRF	4.14	0.85	1.213	84.3	8.4	30.6	7.6	82.6	7.4	3	50.49
1436 DP 1219B2RF	4.47	0.86	1.183	84.0	8.1	32.0	8.0	82.7	7.6	6	53.07
1344 FM 9058F	4.43	0.86	1.177	83.6	8.5	30.6	7.5	83.9	6.5	5	51.89
1442 LA 17	4.43	0.86	1.196	85.0	7.0	32.3	7.5	80.3	7.9	5	62.77
1454 Ark 0606-1	4.81	0.86	1.183	83.9	8.1	30.2	8.6	82.6	6.5	5	49.13
1463 DC F6 Bulk Population	4.99	0.87	1.144	84.2	7.8	30.5	7.7	80.7	7.6	4	46.81
1421 LA35RS	4.71	0.86	1.204	85.3	7.0	33.0	7.9	81.1	8.5	6	59.98
1456 Ark 1517-28	4.60	0.86	1.193	85.0	7.3	32.0	7.9	83.1	7.2	5	53.00
1460 FM 8270GLB2	4.22	0.86	1.204	84.3	7.8	30.9	6.9	84.0	7.3	6	52.33

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1464 NGX 3306B2RF	0.94	1.09	14.5	4.4	1.26	169.5	2.4	0.92	113	4
1455 Ark 0614-1	0.93	1.07	14.0	4.2	1.24	171.9	2.6	0.89	119	2
1461 ST 6448GLB2	0.89	1.06	18.0	5.7	1.25	164.1	2.7	0.93	123	6
1458 PX 3122-40WRF	0.93	1.07	14.5	4.6	1.24	174.7	2.5	0.92	85	6
1326 PHY 375WRF	0.87	1.00	16.5	5.3	1.16	165.9	2.8	0.89	116	4
1397 DP 1050B2RF	0.89	1.04	17.0	5.4	1.21	171.1	3.1	0.87	101	4
1462 MD10-6	0.87	1.01	15.0	4.8	1.17	164.7	2.4	0.92	134	7
1457 DP 1321B2RF	0.90	1.03	15.0	4.7	1.20	177.7	2.8	0.90	152	4
1469 PHY 339WRF	0.91	1.05	16.0	5.2	1.24	160.2	3.3	0.89	131	6
1451 FM 1944GLB2	0.91	1.08	18.0	5.7	1.29	170.0	2.5	0.94	111	4
1441 FM 2484B2F	0.90	1.05	17.0	5.4	1.24	179.4	2.4	0.93	97	2
1459 PX 4444-13WRF	0.94	1.11	17.5	5.1	1.32	154.4	3.6	0.88	165	5
1436 DP 1219B2RF	0.88	1.04	19.0	5.9	1.24	162.9	2.8	0.91	122	2
1344 FM 9058F	0.91	1.08	17.5	5.4	1.28	158.4	3.0	0.89	144	4
1442 LA 17	0.96	1.11	13.0	3.8	1.28	162.7	2.4	0.93	122	4
1454 Ark 0606-1	0.91	1.07	16.5	5.1	1.26	172.6	2.5	0.91	104	4
1463 DC F6 Bulk Population	0.93	1.06	13.5	4.2	1.23	179.2	2.0	0.93	96	2

1421 LA35RS	0.94	1.09	15.0	4.7	1.28	176.8	2.5	0.93	128	3
1456 Ark 1517-28	0.94	1.09	14.5	4.4	1.27	169.1	2.3	0.92	103	4
1460 FM 8270GLB2	0.89	1.06	19.0	6.2	1.26	161.3	2.9	0.93	129	1

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
STONEVILLE, MS	1874	2444	43.3	10.4	5.64	20.06	3.19	0.72	0.53	1.25
LAS CRUCES, NM	1780	2494	41.6	.	5.52	21.19	3.30	0.71	0.54	1.25
LUBBOCK, TX	1310	2069	38.6	10.0	5.41	20.26	3.63	0.60	0.46	1.06
FLORENCE, SC	1061	1452	42.2	9.8	5.19	20.68	3.09	0.80	0.57	1.37
COLLEGE STATION, TX	914	1353	40.3	9.7	5.31	18.33	3.17	0.56	0.43	0.99
SAINT JOSEPH, LA	909	1293	41.2	10.4	5.27	19.80	3.58	0.67	0.51	1.18
KEISER, AR	856	1227	40.3	9.6	4.09	18.30	3.84	0.58	0.40	0.97
PORTAGEVILLE, MO	707	.	.	11.1	.	17.87	3.70	0.64	0.45	1.09

VARIETY	-----HVI FIBER PROPERTIES-----								--SPINNING DATA--		
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
STONEVILLE, MS	4.55	0.86	1.216	85.2	7.1	32.4	7.6	81.0	8.4	6	55.94
LAS CRUCES, NM	4.78	0.86	1.206	84.3	7.6	30.9	7.8	82.1	8.5	8	48.61
LUBBOCK, TX	4.28	0.84	1.168	82.9	8.7	30.3	8.7	82.2	8.5	5	47.97
FLORENCE, SC	4.60	0.86	1.173	84.4	7.8	30.8	7.9	82.1	7.3	6	52.43
COLLEGE STATION, TX	4.39	0.86	1.174	83.1	9.1	31.3	7.2	76.9	7.5	9	52.00
SAINT JOSEPH, LA	4.90	0.87	1.225	84.6	7.4	32.2	7.3	77.1	6.6	8	52.44
KEISER, AR	4.44	0.86	1.172	84.2	7.5	33.0	7.9	80.9	7.4	7	59.50
PORTAGEVILLE, MO	4.10	0.85	1.201	83.4	8.5	32.4	7.0	76.3	8.1	9	48.78

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L(N) (IN.)	L(W) (IN.)	SFC(N) (%)	SFC(W) (%)	UQL(w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
STONEVILLE, MS	0.97	1.10	12.6	3.8	1.28	169.1	2.7	0.94	61	8
LAS CRUCES, NM	0.91	1.07	17.0	5.5	1.27	172.8	3.8	0.92	92	8
LUBBOCK, TX	0.85	1.02	20.8	6.9	1.23	156.4	4.2	0.85	205	6
FLORENCE, SC	0.91	1.06	16.1	5.0	1.24	168.3	2.7	0.91	120	4
COLLEGE STATION, TX	0.87	1.04	20.1	6.5	1.25	159.2	3.2	0.89	120	7
SAINT JOSEPH, LA	0.95	1.10	14.7	4.5	1.29	176.4	3.1	0.96	83	6
KEISER, AR	0.93	1.07	14.2	4.5	1.24	171.0	3.6	0.94	89	9
PORTAGEVILLE, MO	0.91	1.08	18.1	5.7	1.28	164.0	4.1	0.91	180	20

LOCATION=LUBBOCK, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1469 PHY 339WRF	1527	2044	39.0	9.5	5.00	20.80	3.73	0.65	0.52	1.17
1326 PHY 375WRF	1520	2337	40.7	9.5	5.10	21.45	3.76	0.68	0.53	1.21
1344 FM 9058F	1492	2342	37.6	10.6	5.75	22.34	3.51	0.43	0.45	0.87
1458 PX 3122-40WRF	1467	2337	40.1	9.7	5.50	21.24	3.53	0.75	0.56	1.30
1461 ST 6448GLB2	1438	2112	38.7	10.8	6.05	20.29	3.57	0.56	0.41	0.97
1436 DP 1219B2RF	1405	2494	38.0	9.0	4.85	19.51	3.54	0.53	0.43	0.95
1462 MD10-6	1401	2064	42.3	8.8	5.45	16.54	4.04	0.50	0.38	0.88
1459 PX 4444-13WRF	1401	2211	40.8	10.2	5.50	20.75	3.58	0.45	0.52	0.97
1451 FM 1944GLB2	1389	2325	38.6	10.6	5.75	19.34	3.39	0.43	0.46	0.89
1464 NGX 3306B2RF	1385	2163	36.3	9.8	4.95	21.69	3.58	0.56	0.44	1.00
1460 FM 8270GLB2	1271	1835	41.6	9.2	5.10	19.82	3.51	0.54	0.40	0.94
1457 DP 1321B2RF	1264	2171	39.4	10.1	5.30	19.79	3.63	0.55	0.46	1.01
1456 Ark 1517-28	1252	1678	37.1	11.0	5.85	21.94	3.68	0.97	0.55	1.51
1454 Ark 0606-1	1249	2050	38.4	11.3	5.60	20.83	3.69	0.60	0.46	1.06
1441 FM 2484B2F	1231	1849	38.1	9.5	4.85	21.82	3.40	0.53	0.37	0.90
1463 DC F6 Bulk Population	1207	2156	36.9	10.0	5.45	20.68	3.69	0.79	0.56	1.35
1455 Ark 0614-1	1113	1768	35.6	11.2	6.05	20.47	3.78	0.61	0.46	1.07
1442 LA 17	1086	1942	34.7	10.2	5.45	20.18	3.49	0.60	0.43	1.03
1421 LA35RS	1053	2083	36.2	11.1	5.70	20.63	3.59	0.62	0.45	1.07
1397 DP 1050B2RF	1050	1418	41.4	8.6	4.85	15.19	3.92	0.62	0.44	1.05
. LSD	346	669	2.1	0.8	0.55	1.88	0.20	0.16	0.06	0.22

VARIETY	-----HVI FIBER PROPERTIES-----							--SPINNING DATA--			
	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1469 PHY 339WRF	4.35	0.85	1.094	82.4	9.6	27.8	8.9	82.0	8.9	5	42.60
1326 PHY 375WRF	4.14	0.84	1.127	82.2	8.9	27.9	9.1	82.1	8.5	5	43.67
1344 FM 9058F	4.06	0.85	1.190	81.8	9.6	30.0	7.6	82.8	7.9	6	47.31
1458 PX 3122-40WRF	4.46	0.85	1.154	82.7	9.0	30.0	8.5	80.5	9.0	6	46.14
1461 ST 6448GLB2	4.32	0.85	1.167	81.4	10.9	29.6	7.7	82.1	8.7	5	45.31
1436 DP 1219B2RF	4.15	0.85	1.203	82.4	8.4	32.8	8.6	82.5	8.3	4	54.84
1462 MD10-6	4.37	0.85	1.120	83.2	8.3	30.0	8.9	82.6	8.1	4	49.19
1459 PX 4444-13WRF	3.97	0.84	1.206	84.1	8.5	31.0	8.4	82.3	8.5	5	49.11
1451 FM 1944GLB2	4.56	0.86	1.187	82.2	8.8	31.3	7.9	83.5	8.0	5	48.14
1464 NGX 3306B2RF	4.35	0.84	1.194	84.9	7.3	30.4	9.9	82.3	8.7	5	45.09
1460 FM 8270GLB2	4.69	0.86	1.163	83.4	7.9	31.6	7.9	82.0	8.1	5	51.84
1457 DP 1321B2RF	4.65	0.84	1.147	83.7	7.9	29.5	10.8	81.3	8.8	5	46.82
1456 Ark 1517-28	3.96	0.84	1.186	84.3	7.8	30.3	8.6	81.9	9.0	5	48.01
1454 Ark 0606-1	4.50	0.85	1.176	81.9	9.1	30.7	9.1	82.0	8.4	5	49.39
1441 FM 2484B2F	4.15	0.85	1.166	81.7	9.3	30.8	8.1	83.9	8.0	5	52.45
1463 DC F6 Bulk Population	4.59	0.85	1.141	83.1	8.3	30.6	8.8	81.8	9.0	5	46.65
1455 Ark 0614-1	4.26	0.84	1.199	83.6	7.6	30.4	9.6	81.9	8.9	4	45.64
1442 LA 17	3.97	0.85	1.195	82.8	8.9	31.4	8.0	82.0	8.1	6	54.38
1421 LA35RS	4.11	0.84	1.212	83.6	8.3	31.9	9.0	81.0	8.7	5	50.24
1397 DP 1050B2RF	4.12	0.84	1.132	82.4	9.7	27.9	9.4	83.0	8.6	5	42.59
. LSD	0.53	0.01	0.058	1.5	1.4	1.2	0.6	1.3	0.6	1	4.54

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1469 PHY 339WRF	0.81	0.98	22.5	8.0	1.18	155.0	4.2	0.84	198	8
1326 PHY 375WRF	0.81	0.98	22.5	7.9	1.18	150.7	5.3	0.81	195	6
1344 FM 9058F	0.84	1.03	22.5	7.5	1.26	148.3	4.8	0.84	227	7
1458 PX 3122-40WRF	0.84	1.01	22.0	7.4	1.22	160.1	4.3	0.84	218	11
1461 ST 6448GLB2	0.84	1.03	22.5	7.6	1.25	163.4	3.8	0.88	199	7
1436 DP 1219B2RF	0.84	1.02	21.5	7.3	1.24	149.3	5.0	0.82	207	4
1462 MD10-6	0.84	0.99	17.5	5.9	1.16	152.4	3.3	0.87	165	3
1459 PX 4444-13WRF	0.85	1.04	23.5	7.8	1.27	149.8	5.2	0.83	255	7
1451 FM 1944GLB2	0.83	1.03	23.0	7.7	1.24	161.3	3.8	0.88	210	5
1464 NGX 3306B2RF	0.89	1.06	19.5	6.1	1.26	159.3	3.6	0.86	151	3
1460 FM 8270GLB2	0.85	1.02	20.0	6.6	1.22	163.4	3.0	0.90	159	4
1457 DP 1321B2RF	0.86	1.01	18.0	6.1	1.20	166.2	3.7	0.84	184	5
1456 Ark 1517-28	0.86	1.04	21.0	6.8	1.24	153.3	4.6	0.84	195	6
1454 Ark 0606-1	0.83	1.01	22.0	7.5	1.21	159.3	4.4	0.84	217	7
1441 FM 2484B2F	0.82	1.00	22.5	7.7	1.21	148.2	4.2	0.86	235	4
1463 DC F6 Bulk Population	0.88	1.03	17.0	5.5	1.21	171.0	3.1	0.89	156	6
1455 Ark 0614-1	0.88	1.06	19.5	6.2	1.27	159.5	4.3	0.84	213	7
1442 LA 17	0.89	1.06	19.0	6.2	1.28	147.4	4.2	0.86	317	9
1421 LA35RS	0.91	1.08	17.5	5.5	1.28	159.3	3.8	0.88	177	6
1397 DP 1050B2RF	0.82	0.98	22.5	8.1	1.19	152.2	5.5	0.80	231	6
. LSD	0.05	0.06	2.8	1.1	0.09	13.8	1.0	0.03	62	7

LOCATION=COLLEGE STATION, TX

VARIETY	-----SEED PROPERTIES-----									
	-----GOSSYPOL DATA-----									
LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)	
1451 FM 1944GLB2	1208	1531	39.4	10.4	5.15	17.64	3.01	0.40	0.45	0.85
1464 NGX 3306B2RF	1201	1906	39.7	9.1	4.85	19.37	2.91	0.64	0.43	1.07
1436 DP 1219B2RF	1071	1382	40.7	8.8	4.75	19.18	3.18	0.56	0.39	0.95
1344 FM 9058F	1041	1806	39.1	10.2	5.35	18.77	2.94	0.40	0.43	0.83
1461 ST 6448GLB2	1041	1406	39.8	9.1	4.85	18.17	2.94	0.73	0.44	1.17
1457 DP 1321B2RF	1023	1256	42.1	9.3	4.90	16.99	3.33	0.52	0.42	0.94
1458 PX 3122-40WRF	1002	1581	43.4	8.8	5.20	18.59	3.39	0.55	0.40	0.95
1460 FM 8270GLB2	942	1351	36.8	10.8	6.00	19.40	3.29	0.44	0.41	0.85
1454 Ark 0606-1	924	1294	39.5	10.4	5.45	20.18	3.33	0.65	0.48	1.12
1326 PHY 375WRF	896	1317	42.4	8.8	5.25	16.17	3.46	0.51	0.39	0.90
1441 FM 2484B2F	870	1287	39.7	10.2	5.15	21.38	3.19	0.72	0.46	1.17
1459 PX 4444-13WRF	832	1141	42.8	10.0	4.95	17.86	3.27	0.37	0.45	0.82
1397 DP 1050B2RF	782	916	43.9	8.9	4.90	14.02	3.43	0.66	0.45	1.11
1456 Ark 1517-28	772	.	.	.	.	.	.	.	.	.
1469 PHY 339WRF	733	1091	41.8	8.9	5.40	16.73	3.08	0.59	0.38	0.97
1442 LA 17	618	1478	36.3	11.1	6.70	19.24	3.15	0.60	0.39	0.99
1455 Ark 0614-1	581	913	37.0	10.6	6.10	19.60	2.92	0.71	0.50	1.21
. LSD	316	571	1.9	0.8	1.04	0.94	0.32	0.05	0.04	0.10

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1451 FM 1944GLB2	4.55	0.87	1.174	81.0	11.0	30.3	6.2	77.8	6.2	9	55.48
1464 NGX 3306B2RF	4.43	0.85	1.196	84.7	7.9	32.2	8.2	77.5	7.1	8	53.01
1436 DP 1219B2RF	4.54	0.87	1.166	82.6	9.3	33.1	6.8	78.4	7.9	8	53.92
1344 FM 9058F	4.46	0.87	1.190	82.4	9.3	32.0	6.2	77.6	6.8	9	49.00
1461 ST 6448GLB2	4.53	0.87	1.197	81.9	9.4	29.7	6.4	78.1	6.8	8	45.91
1457 DP 1321B2RF	4.66	0.85	1.132	83.6	8.7	30.5	8.8	74.2	7.9	10	52.41
1458 PX 3122-40WRF	4.21	0.86	1.169	84.1	8.5	31.4	6.9	73.6	9.0	11	50.42
1460 FM 8270GLB2	4.29	0.86	1.203	83.3	8.5	32.2	6.8	77.1	6.4	9	54.90
1454 Ark 0606-1	4.48	0.86	1.172	82.6	9.1	31.0	7.3	76.0	8.1	10	51.93
1326 PHY 375WRF	4.22	0.86	1.108	82.4	10.3	28.1	7.1	76.0	8.0	12	45.23
1441 FM 2484B2F	4.23	0.86	1.212	83.1	8.9	31.0	6.5	78.0	6.6	8	55.21
1459 PX 4444-13WRF	3.84	0.85	1.232	84.7	7.6	32.3	7.5	79.3	8.3	8	52.76
1397 DP 1050B2RF	4.47	0.85	1.145	82.1	10.9	29.7	8.4	76.5	9.0	7	47.40
1456 Ark 1517-28	.	.	.	.	.	.	.	.	.	.	.
1469 PHY 339WRF	4.17	0.86	1.122	82.4	10.4	30.9	7.4	77.3	7.2	11	49.94
1442 LA 17	4.58	0.86	1.180	84.3	8.3	33.9	7.3	75.9	6.9	11	59.23
1455 Ark 0614-1	4.58	0.87	1.197	84.8	7.7	33.0	7.6	76.9	8.5	9	55.24
. LSD	0.25	0.01	0.041	1.8	2.0	1.2	0.4	2.0	0.8	3	7.01

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1451 FM 1944GLB2	0.84	1.03	24.0	8.1	1.26	154.7	3.5	0.90	113	6
1464 NGX 3306B2RF	0.88	1.06	19.5	6.2	1.26	159.3	3.1	0.90	131	5
1436 DP 1219B2RF	0.86	1.04	21.5	7.0	1.25	157.1	3.5	0.89	77	6
1344 FM 9058F	0.88	1.07	20.5	6.3	1.28	158.7	3.0	0.92	125	10
1461 ST 6448GLB2	0.81	1.02	27.0	9.3	1.26	163.3	4.1	0.89	188	11
1457 DP 1321B2RF	0.85	1.00	18.0	6.0	1.17	167.1	2.9	0.89	129	7
1458 PX 3122-40WRF	0.86	1.03	20.0	6.5	1.24	153.3	3.7	0.87	105	7
1460 FM 8270GLB2	0.91	1.08	17.0	5.4	1.29	156.9	2.7	0.92	124	8
1454 Ark 0606-1	0.86	1.05	21.5	6.8	1.26	167.3	2.8	0.91	139	7
1326 PHY 375WRF	0.81	0.98	22.5	7.8	1.17	154.9	3.5	0.88	121	7
1441 FM 2484B2F	0.87	1.06	20.5	6.5	1.27	153.3	3.0	0.91	120	6
1459 PX 4444-13WRF	0.90	1.08	19.5	6.2	1.29	150.7	3.7	0.87	117	7
1397 DP 1050B2RF	0.87	1.03	19.5	6.5	1.23	160.4	3.6	0.86	139	2
1456 Ark 1517-28	.	.	.	.	.	.	.	.	.	.
1469 PHY 339WRF	0.85	1.02	20.5	6.8	1.20	150.8	3.8	0.87	106	10
1442 LA 17	0.95	1.10	14.0	4.1	1.28	170.8	2.0	0.94	89	3
1455 Ark 0614-1	0.94	1.09	15.5	4.4	1.27	168.4	2.5	0.91	102	6
. LSD	0.05	0.05	4.8	2.0	0.04	7.3	0.7	0.03	65	7

LOCATION=SAINT JOSEPH, LA

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						-----GOSSYPOL DATA-----				FREE
						OIL (%)	N (%)	PLUS	MINUS	(%)
1461 ST 6448GLB2	1732	2437	41.4	9.7	4.65	18.34	3.39	0.76	0.47	1.23
1458 PX 3122-40WRF	1278	1635	43.7	9.7	4.95	20.91	3.72	0.77	0.57	1.34
1456 Ark 1517-28	1142	1569	42.1	9.6	5.15	19.43	3.60	0.77	0.54	1.31
1457 DP 1321B2RF	1128	1420	44.0	9.8	5.23	19.15	3.57	0.65	0.54	1.18
1455 Ark 0614-1	1107	1760	38.8	12.0	5.88	21.59	3.64	0.81	0.57	1.37
1454 Ark 0606-1	1069	1575	40.5	11.7	5.73	20.65	3.53	0.74	0.54	1.28
1459 PX 4444-13WRF	990	1342	42.5	11.4	5.43	20.23	3.53	0.56	0.66	1.22
1326 PHY 375WRF	979	1256	43.7	9.7	4.95	20.35	3.77	0.75	0.58	1.32
1469 PHY 339WRF	968	1352	41.7	9.5	4.90	20.56	3.49	0.86	0.59	1.45
1462 MD10-6	952	1238	43.5	9.5	5.43	15.59	3.95	0.50	0.37	0.86
1463 DC F6 Bulk Population	914	1464	38.4	10.8	5.23	20.61	3.68	0.78	0.51	1.29
1460 FM 8270GLB2	815	1299	38.5	12.0	5.90	20.63	3.34	0.49	0.46	0.94
1464 NGX 3306B2RF	773	1138	40.5	10.1	5.00	21.28	3.63	0.65	0.46	1.11
1397 DP 1050B2RF	764	939	44.9	9.3	5.03	16.00	3.92	0.69	0.49	1.18
1442 LA 17	668	1123	37.3	11.3	5.50	20.82	3.52	0.73	0.52	1.25
1421 LA35RS	645	1089	37.2	11.9	6.13	21.19	3.60	0.66	0.47	1.13
1344 FM 9058F	640	922	40.5	10.9	5.13	20.71	3.52	0.42	0.45	0.87
1451 FM 1944GLB2	548	828	39.9	10.7	5.53	17.69	3.20	0.51	0.54	1.04
1436 DP 1219B2RF	547	746	42.6	9.2	4.85	18.39	3.53	0.58	0.44	1.01
1441 FM 2484B2F	530	733	42.1	10.5	4.85	21.82	3.52	0.75	0.52	1.27
. LSD	724	1010	1.5	0.7	0.34	1.08	0.23	0.06	0.05	0.11

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1461 ST 6448GLB2	4.85	0.88	1.199	83.6	9.1	29.5	6.1	77.9	6.8	8	49.37
1458 PX 3122-40WRF	4.77	0.87	1.222	83.8	8.2	32.2	6.9	76.2	7.2	8	53.03
1456 Ark 1517-28	4.77	0.87	1.183	83.4	8.2	29.4	7.1	76.8	6.3	9	52.48
1457 DP 1321B2RF	5.23	0.87	1.205	84.8	7.2	32.2	9.1	76.1	6.5	9	54.64
1455 Ark 0614-1	5.03	0.87	1.236	86.0	6.5	32.3	8.3	75.6	6.4	9	58.34
1454 Ark 0606-1	4.97	0.87	1.270	85.1	6.8	31.9	8.1	78.6	6.7	8	48.53
1459 PX 4444-13WRF	4.59	0.87	1.295	86.2	5.8	32.8	6.9	78.5	6.4	7	54.22
1326 PHY 375WRF	4.92	0.87	1.170	83.2	8.3	30.1	7.9	77.7	6.2	8	48.56
1469 PHY 339WRF	4.89	0.87	1.220	84.6	7.6	32.0	8.0	76.9	6.0	9	48.83
1462 MD10-6	4.92	0.87	1.155	84.4	7.0	32.1	7.8	76.3	6.5	8	56.72
1463 DC F6 Bulk Population	5.19	0.88	1.212	83.5	7.7	31.2	7.1	75.6	6.5	8	47.33
1460 FM 8270GLB2	4.92	0.88	1.232	84.4	8.0	34.3	6.4	78.1	6.1	7	58.19
1464 NGX 3306B2RF	4.87	0.87	1.235	86.0	6.7	33.0	7.9	76.7	7.3	9	47.67
1397 DP 1050B2RF	4.99	0.87	1.195	84.9	7.6	29.8	8.1	76.8	7.6	8	46.09
1442 LA 17	4.94	0.88	1.246	85.8	6.6	35.4	6.9	75.8	6.8	9	60.51
1421 LA35RS	4.88	0.87	1.256	86.4	6.4	33.8	7.7	76.1	8.0	12	54.83

1344 FM 9058F	4.72	0.87	1.232	83.9	7.8	31.6	6.5	78.6	6.1	10	50.91
1451 FM 1944GLB2	5.03	0.88	1.246	83.9	8.0	33.8	6.4	79.4	5.8	8	50.18
1436 DP 1219B2RF	4.94	0.88	1.220	83.1	8.8	34.1	6.6	76.4	6.6	8	54.25
1441 FM 2484B2F	4.70	0.87	1.265	84.6	6.9	33.8	6.5	78.0	6.5	8	54.08
. LSD	0.21	0.01	0.044	1.8	1.4	1.6	0.5	2.4	0.8	4	5.79

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1461 ST 6448GLB2	0.91	1.08	18.0	5.7	1.28	179.5	3.3	0.96	105	7
1458 PX 3122-40WRF	0.93	1.10	17.0	5.4	1.30	172.5	4.0	0.93	91	9
1456 Ark 1517-28	0.89	1.04	16.0	5.0	1.21	172.7	3.8	0.93	98	6
1457 DP 1321B2RF	0.93	1.06	12.5	4.1	1.24	184.4	2.7	0.95	90	4
1455 Ark 0614-1	1.00	1.13	11.0	3.2	1.30	184.3	2.5	0.96	61	4
1454 Ark 0606-1	0.95	1.12	17.0	5.1	1.33	174.7	3.6	0.95	96	4
1459 PX 4444-13WRF	0.99	1.16	15.5	4.4	1.37	168.5	4.0	0.93	85	9
1326 PHY 375WRF	0.90	1.05	16.5	5.3	1.24	175.0	3.4	0.94	78	8
1469 PHY 339WRF	0.98	1.11	12.0	3.6	1.29	175.4	2.8	0.95	70	6
1462 MD10-6	0.91	1.05	13.0	4.1	1.22	172.7	2.9	0.95	101	7
1463 DC F6 Bulk Population	0.96	1.11	13.5	4.0	1.30	191.2	2.4	0.99	81	5
1460 FM 8270GLB2	1.02	1.16	12.0	3.3	1.35	177.7	1.9	1.00	54	7
1464 NGX 3306B2RF	0.98	1.13	12.5	3.8	1.32	175.2	2.7	0.97	69	6
1397 DP 1050B2RF	0.96	1.10	12.5	4.0	1.27	176.5	3.4	0.92	73	4
1442 LA 17	0.98	1.11	12.0	3.6	1.29	176.0	2.6	0.98	84	8
1421 LA35RS	1.01	1.16	12.5	3.6	1.35	181.0	2.7	0.97	83	5
1344 FM 9058F	0.93	1.10	17.5	5.5	1.31	170.9	3.4	0.96	91	5
1451 FM 1944GLB2	0.92	1.10	18.5	5.8	1.32	176.4	3.2	0.98	77	5
1436 DP 1219B2RF	0.92	1.09	17.0	5.3	1.30	175.7	3.2	0.97	73	3
1441 FM 2484B2F	0.93	1.10	16.5	5.0	1.31	167.9	3.4	0.96	97	10
. LSD	0.05	0.05	3.1	1.1	0.05	6.8	0.7	0.02	32	4

LOCATION=STONEVILLE, MS

VARIETY						-----SEED PROPERTIES-----				
	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1469 PHY 339WRF	2188	2600	45.7	9.0	5.10	21.22	3.17	0.92	0.62	1.54
1457 DP 1321B2RF	2067	2496	45.3	10.2	5.82	19.39	3.14	0.70	0.57	1.27
1459 PX 4444-13WRF	2062	2368	46.6	10.6	5.57	20.83	3.05	0.55	0.61	1.16
1326 PHY 375WRF	2053	2440	45.7	9.9	5.23	20.01	3.42	0.73	0.56	1.29
1451 FM 1944GLB2	2053	2847	41.9	11.0	5.92	18.23	2.93	0.51	0.54	1.04
1462 MD10-6	2000	2524	44.2	10.1	5.77	17.47	3.22	0.67	0.50	1.17
1458 PX 3122-40WRF	1999	2295	46.6	9.5	5.62	20.45	3.27	0.73	0.53	1.26
1397 DP 1050B2RF	1972	2219	47.1	9.8	5.48	15.80	3.54	0.76	0.56	1.31
1464 NGX 3306B2RF	1968	2619	42.9	9.9	5.40	20.63	2.97	0.71	0.49	1.20
1454 Ark 0606-1	1963	2640	42.7	11.6	5.97	20.38	3.40	0.71	0.53	1.24
1436 DP 1219B2RF	1938	2368	45.0	8.8	5.02	19.72	3.17	0.64	0.49	1.13
1463 DC F6 Bulk Population	1898	2706	41.3	10.6	5.63	21.22	3.35	0.88	0.57	1.45
1455 Ark 0614-1	1867	2757	40.4	11.2	6.28	21.89	3.26	0.83	0.59	1.41

1456 Ark 1517-28	1849	2425	43.3	11.4	6.02	22.60	3.28	1.18	0.61	1.79
1441 FM 2484B2F	1823	2310	44.1	10.4	5.02	22.36	3.16	0.73	0.50	1.23
1421 LA35RS	1616	2410	40.2	11.5	6.25	19.85	3.09	0.71	0.51	1.21
1344 FM 9058F	1614	2163	42.8	10.5	5.50	20.55	3.11	0.45	0.46	0.91
1461 ST 6448GLB2	1517	2065	42.4	9.8	5.22	18.13	3.16	0.79	0.52	1.30
1460 FM 8270GLB2	1515	2203	40.8	11.0	6.23	20.04	3.07	0.51	0.45	0.96
1442 LA 17	1512	2431	38.4	10.8	5.70	20.49	3.03	0.71	0.52	1.23
. LSD	154	205	0.3	0.3	0.21	1.02	0.20	0.07	0.05	0.11

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1469 PHY 339WRF	4.53	0.86	1.193	84.6	7.3	30.8	8.3	82.8	8.1	6	53.45
1457 DP 1321B2RF	4.97	0.86	1.178	85.8	6.2	30.9	9.0	80.8	8.8	6	54.42
1459 PX 4444-13WRF	4.00	0.85	1.288	86.4	5.7	33.3	7.7	81.8	8.5	6	62.27
1326 PHY 375WRF	4.68	0.87	1.134	83.9	8.1	29.6	7.4	81.3	8.9	6	48.60
1451 FM 1944GLB2	4.60	0.87	1.249	85.2	7.1	32.2	6.8	83.9	7.3	6	54.51
1462 MD10-6	4.42	0.86	1.193	84.6	6.4	33.6	8.0	81.2	8.3	6	58.73
1458 PX 3122-40WRF	4.47	0.86	1.196	84.9	7.6	31.8	7.9	79.2	9.1	7	50.16
1397 DP 1050B2RF	4.69	0.86	1.206	85.1	7.4	30.4	8.6	80.5	9.1	7	46.76
1464 NGX 3306B2RF	4.73	0.86	1.226	86.2	7.0	34.6	7.9	80.5	8.9	7	54.74
1454 Ark 0606-1	4.60	0.86	1.248	85.1	7.3	32.3	7.7	81.2	8.6	5	55.28
1436 DP 1219B2RF	4.38	0.86	1.207	84.4	7.6	33.0	7.3	82.0	8.2	4	53.01
1463 DC F6 Bulk Population	4.86	0.87	1.174	84.0	7.9	32.8	7.7	78.8	8.8	8	57.72
1455 Ark 0614-1	4.82	0.86	1.215	85.9	6.5	32.3	8.1	80.6	8.5	5	55.35
1456 Ark 1517-28	4.82	0.87	1.201	86.0	7.2	32.0	7.5	80.9	9.2	7	57.46
1441 FM 2484B2F	4.26	0.86	1.247	85.9	6.8	33.2	6.7	83.0	7.7	6	60.36
1421 LA35RS	4.71	0.87	1.253	86.1	6.4	33.0	7.7	77.6	8.9	8	67.06
1344 FM 9058F	4.30	0.87	1.217	83.8	8.1	32.5	6.5	82.7	7.9	6	52.07
1461 ST 6448GLB2	4.63	0.87	1.222	84.6	7.7	31.6	6.7	81.0	8.4	7	59.08
1460 FM 8270GLB2	4.32	0.86	1.224	86.2	6.6	33.0	6.8	80.9	7.7	7	59.37
1442 LA 17	4.23	0.86	1.248	85.9	6.6	36.4	7.7	80.4	7.9	7	58.37
. LSD	0.29	0.01	0.034	1.1	0.9	1.6	0.4	1.3	0.5	2	9.33

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1469 PHY 339WRF	0.98	1.10	10.5	3.3	1.27	165.4	2.8	0.93	59	10
1457 DP 1321B2RF	0.97	1.08	9.5	3.1	1.23	183.5	2.1	0.95	50	4
1459 PX 4444-13WRF	0.99	1.16	16.0	4.7	1.38	157.0	3.7	0.91	86	14
1326 PHY 375WRF	0.88	1.02	16.0	5.3	1.20	170.7	3.2	0.93	70	13
1451 FM 1944GLB2	0.98	1.14	14.5	4.4	1.35	165.2	2.9	0.95	56	5
1462 MD10-6	0.97	1.08	9.5	2.9	1.24	160.7	2.6	0.92	51	9
1458 PX 3122-40WRF	0.95	1.09	13.5	4.3	1.26	168.4	3.0	0.94	66	11
1397 DP 1050B2RF	0.96	1.09	12.5	3.9	1.27	174.0	3.2	0.91	57	7
1464 NGX 3306B2RF	0.98	1.12	12.5	3.8	1.30	167.9	2.8	0.93	60	5
1454 Ark 0606-1	0.95	1.10	14.5	4.5	1.29	174.4	2.8	0.95	69	10
1436 DP 1219B2RF	0.95	1.10	13.5	4.2	1.29	163.0	2.8	0.95	44	2
1463 DC F6 Bulk Population	0.98	1.10	10.5	3.2	1.27	177.4	2.2	0.96	39	5
1455 Ark 0614-1	0.98	1.11	11.0	3.2	1.28	179.0	2.5	0.95	79	13
1456 Ark 1517-28	0.99	1.11	10.5	3.1	1.27	174.2	2.3	0.96	56	5

1441 FM 2484B2F	0.96	1.11	14.5	4.3	1.30	160.7	2.9	0.94	67	6
1421 LA35RS	1.00	1.14	11.5	3.4	1.33	174.8	2.4	0.95	74	11
1344 FM 9058F	0.93	1.08	15.0	4.7	1.27	165.2	3.1	0.95	66	7
1461 ST 6448GLB2	1.01	1.15	12.5	3.6	1.34	175.9	2.4	0.95	46	10
1460 FM 8270GLB2	0.97	1.11	12.5	3.9	1.29	161.9	2.7	0.95	59	11
1442 LA 17	1.00	1.14	11.5	3.4	1.32	163.7	2.6	0.94	71	10
. LSD	0.05	0.04	3.1	1.0	0.04	7.2	0.6	0.03	30	9

LOCATION=PORTAGEVILLE, MO

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1458 PX 3122-40WRF	1310	.	.	9.9	.	18.26	3.73	0.77	0.51	1.28
1456 Ark 1517-28	1050	.	.	11.3	.	20.57	4.09	1.05	0.54	1.59
1469 PHY 339WRF	895	.	.	9.9	.	18.82	3.61	0.80	0.54	1.34
1457 DP 1321B2RF	834	.	.	9.9	.	16.74	3.43	0.66	0.47	1.13
1460 FM 8270GLB2	791	.	.	11.3	.	18.44	3.73	0.49	0.38	0.86
1451 FM 1944GLB2	774	.	.	11.3	.	17.50	3.40	0.50	0.46	0.96
1454 Ark 0606-1	757	.	.	12.8	.	17.67	3.95	0.66	0.49	1.15
1421 LA35RS	748	.	.	11.3	.	17.41	3.70	0.60	0.40	1.00
1455 Ark 0614-1	748	.	.	11.3	.	18.52	3.91	0.68	0.46	1.14
1463 DC F6 Bulk Population	735	.	.	11.3	.	18.45	3.99	0.70	0.47	1.17
1459 PX 4444-13WRF	730	.	.	11.3	.	18.04	3.49	0.50	0.51	1.01
1326 PHY 375WRF	696	.	.	11.3	.	17.13	3.62	0.74	0.54	1.28
1464 NGX 3306B2RF	671	.	.	11.3	.	18.82	3.91	0.61	0.42	1.03
1344 FM 9058F	666	.	.	11.3	.	19.34	3.56	0.44	0.43	0.87
1441 FM 2484B2F	666	.	.	11.3	.	20.56	3.79	0.65	0.43	1.07
1461 ST 6448GLB2	510	.	.	9.9	.	16.33	3.22	0.70	0.43	1.13
1462 MD10-6	501	.	.	12.8	.	14.45	3.91	0.47	0.33	0.80
1436 DP 1219B2RF	484	.	.	11.3	.	17.00	3.41	0.54	0.36	0.89
1442 LA 17	380	.	.	11.3	.	17.87	3.48	0.61	0.40	1.00
1397 DP 1050B2RF	190	.	.	9.9	.	15.42	4.09	0.66	0.43	1.08
. LSD	184	.	.	2.4	.	1.38	0.26	0.06	0.05	0.11

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1458 PX 3122-40WRF	3.95	0.85	1.173	82.8	9.4	31.3	6.9	76.2	8.6	9	46.38
1456 Ark 1517-28	3.93	0.85	1.242	84.3	7.6	31.9	7.5	76.2	8.3	8	47.22
1469 PHY 339WRF	4.06	0.85	1.169	82.6	9.8	31.4	7.3	76.6	7.8	9	49.18
1457 DP 1321B2RF	4.03	0.84	1.166	83.8	8.4	31.3	8.4	77.8	7.9	9	46.49
1460 FM 8270GLB2	4.48	0.87	1.195	84.1	8.1	33.6	6.1	76.0	7.7	9	54.55
1451 FM 1944GLB2	4.31	0.87	1.210	83.0	8.9	32.6	6.2	77.6	7.3	9	47.56
1454 Ark 0606-1	4.07	0.85	1.212	83.7	9.0	32.5	7.6	76.3	7.6	9	49.58
1421 LA35RS	4.12	0.86	1.212	84.5	8.1	33.3	7.1	75.2	8.4	9	54.06
1455 Ark 0614-1	4.32	0.85	1.221	83.7	7.9	32.3	7.9	75.8	8.0	6	48.39
1463 DC F6 Bulk Population	4.35	0.87	1.200	83.5	8.2	33.0	6.7	75.7	8.6	9	47.67

1459	PX 4444-13WRF	3.49	0.84	1.251	83.7	7.8	32.5	6.8	76.9	8.2	10	46.58
1326	PHY 375WRF	4.13	0.85	1.167	83.5	8.7	30.7	7.2	77.3	8.3	10	49.47
1464	NGX 3306B2RF	4.28	0.86	1.257	84.9	7.1	33.7	7.1	73.8	8.9	10	48.88
1344	FM 9058F	4.07	0.86	1.197	82.6	9.3	31.0	6.3	75.2	8.0	10	51.47
1441	FM 2484B2F	4.19	0.86	1.217	83.4	8.3	33.5	6.1	77.2	8.1	9	49.80
1461	ST 6448GLB2	3.90	0.86	1.184	82.4	9.8	31.3	5.9	77.6	8.1	10	46.41
1462	MD10-6	4.19	0.86	1.164	82.3	8.9	33.2	6.7	75.9	8.1	10	50.67
1436	DP 1219B2RF	4.00	0.85	1.181	82.4	9.5	33.3	7.1	77.5	8.0	10	49.09
1442	LA 17	3.83	0.85	1.220	83.9	7.6	34.9	7.2	75.9	8.0	10	51.58
1397	DP 1050B2RF	4.37	0.86	1.187	83.0	8.8	32.1	7.6	76.5	8.6	8	40.56
.	LSD	0.26	0.01	0.046	1.7	1.4	2.0	0.7	1.7	0.5	2	4.49

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)	
1458	PX 3122-40WRF	0.90	1.07	19.5	6.2	1.28	170.7	4.2	0.94	199	22
1456	Ark 1517-28	0.96	1.13	15.5	4.7	1.33	166.4	3.6	0.94	141	13
1469	PHY 339WRF	0.90	1.07	19.0	6.1	1.28	163.2	4.2	0.93	204	23
1457	DP 1321B2RF	0.87	1.03	19.5	6.6	1.22	166.3	4.5	0.91	198	27
1460	FM 8270GLB2	0.91	1.07	17.0	5.3	1.27	164.4	3.6	0.93	139	19
1451	FM 1944GLB2	0.92	1.10	19.0	5.9	1.31	163.2	4.2	0.92	140	20
1454	Ark 0606-1	0.90	1.08	19.5	6.1	1.29	167.3	3.8	0.94	162	15
1421	LA35RS	0.96	1.11	14.5	4.4	1.30	162.2	3.7	0.90	152	20
1455	Ark 0614-1	0.92	1.08	17.5	5.3	1.28	175.7	3.8	0.94	176	18
1463	DC F6 Bulk Population	0.92	1.09	17.0	5.2	1.28	166.9	4.2	0.90	141	14
1459	PX 4444-13WRF	0.92	1.12	20.0	6.3	1.34	150.4	5.3	0.87	221	16
1326	PHY 375WRF	0.90	1.05	17.0	5.5	1.24	173.4	3.1	0.95	144	20
1464	NGX 3306B2RF	0.97	1.14	17.3	5.0	1.35	162.7	4.1	0.90	172	21
1344	FM 9058F	0.89	1.07	20.0	6.5	1.28	161.0	4.3	0.94	195	18
1441	FM 2484B2F	0.92	1.10	17.5	5.5	1.29	157.8	4.4	0.91	166	21
1461	ST 6448GLB2	0.90	1.08	20.0	6.5	1.29	161.2	4.8	0.88	216	35
1462	MD10-6	0.89	1.04	16.5	5.4	1.22	156.0	4.5	0.88	205	22
1436	DP 1219B2RF	0.87	1.06	21.0	7.0	1.27	166.2	4.0	0.94	212	22
1442	LA 17	0.94	1.10	15.5	4.8	1.29	150.0	4.3	0.89	214	27
1397	DP 1050B2RF	0.87	1.04	19.0	6.4	1.23	176.5	4.2	0.93	210	15
.	LSD	0.05	0.04	3.1	1.2	0.04	7.0	0.9	0.03	58	12

LOCATION=LAS CRUCES, NM

-----SEED PROPERTIES-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----GOSSYPOL DATA-----					
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)	
1397	DP 1050B2RF	2139	2811	43.2	.	5.50	18.79	3.50	0.83	0.59	1.42
1469	PHY 339WRF	2139	2892	42.5	.	5.23	20.60	3.00	0.81	0.58	1.39
1454	Ark 0606-1	1988	2844	41.3	.	5.63	22.10	3.49	0.71	0.54	1.25
1459	PX 4444-13WRF	1976	2551	43.8	.	5.58	20.97	3.26	0.58	0.59	1.16
1462	MD10-6	1935	2619	42.4	.	5.58	18.10	3.50	0.64	0.49	1.13

1326	PHY 375WRF	1921	2552	42.8	.	5.35	21.32	3.32	0.67	0.56	1.23
1464	NGX 3306B2RF	1841	2580	41.7	.	5.38	22.33	3.44	0.64	0.48	1.12
1456	Ark 1517-28	1802	2535	41.7	.	5.50	21.92	3.30	0.98	0.62	1.59
1451	FM 1944GLB2	1796	2589	40.9	.	5.53	20.41	3.07	0.61	0.61	1.22
1457	DP 1321B2RF	1790	2386	42.9	.	5.68	21.09	3.37	0.79	0.60	1.39
1460	FM 8270GLB2	1733	2593	40.2	.	5.83	21.89	3.22	0.47	0.44	0.90
1442	LA 17	1718	2482	41.1	.	5.40	22.15	3.10	0.66	0.53	1.19
1461	ST 6448GLB2	1699	2505	40.6	.	5.38	21.08	3.17	0.78	0.52	1.30
1458	PX 3122-40WRF	1695	2301	42.5	.	5.65	22.16	3.32	0.81	0.59	1.39
1441	FM 2484B2F	1675	2263	42.5	.	4.90	22.51	3.26	0.68	0.51	1.18
1436	DP 1219B2RF	1657	2222	42.8	.	5.38	20.18	3.42	0.73	0.50	1.23
1344	FM 9058F	1607	2406	40.3	.	5.48	21.23	3.42	0.56	0.52	1.07
1421	LA35RS	1543	2288	40.4	.	5.98	21.82	3.11	0.71	0.53	1.24
1463	DC F6 Bulk Population	1535	2278	40.3	.	5.48	21.52	3.24	0.79	0.55	1.34
1455	Ark 0614-1	1418	2178	39.5	.	6.05	21.69	3.61	0.76	0.54	1.30
.	LSD	586	856	1.7	.	0.62	1.86	0.25	0.23	0.10	0.31

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--		
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)	
1397	DP 1050B2RF	4.66	0.86	1.190	84.9	7.7	29.1	8.6	82.4	9.0	7	41.55
1469	PHY 339WRF	4.85	0.86	1.186	83.7	8.0	31.7	7.6	80.0	8.7	10	42.02
1454	Ark 0606-1	4.79	0.86	1.222	84.7	7.7	31.5	8.5	81.9	8.8	8	48.19
1459	PX 4444-13WRF	4.48	0.86	1.252	84.9	7.1	31.3	7.9	82.1	9.0	10	45.41
1462	MD10-6	4.65	0.86	1.163	84.0	7.5	30.3	7.9	82.2	7.9	8	52.72
1326	PHY 375WRF	4.75	0.87	1.147	83.1	8.3	28.5	7.8	81.9	8.6	8	46.48
1464	NGX 3306B2RF	5.01	0.86	1.211	85.1	7.4	31.6	9.0	80.4	9.0	7	49.97
1456	Ark 1517-28	4.81	0.87	1.186	83.0	8.4	30.8	8.0	81.6	9.0	8	47.91
1451	FM 1944GLB2	4.91	0.88	1.225	83.6	8.1	32.5	7.3	83.4	7.6	7	45.73
1457	DP 1321B2RF	5.07	0.87	1.199	85.4	6.6	31.8	9.1	82.3	8.4	12	44.11
1460	FM 8270GLB2	4.83	0.87	1.205	84.1	8.1	31.1	7.0	82.4	7.9	8	55.37
1442	LA 17	4.77	0.87	1.234	85.2	7.1	31.9	7.6	81.8	8.5	8	48.24
1461	ST 6448GLB2	4.65	0.87	1.226	83.3	8.7	30.6	6.8	82.9	8.3	9	51.04
1458	PX 3122-40WRF	4.68	0.86	1.236	85.9	7.1	31.0	8.1	81.5	8.9	9	48.04
1441	FM 2484B2F	4.73	0.87	1.184	84.0	7.6	30.3	7.3	82.9	8.6	12	53.11
1436	DP 1219B2RF	4.54	0.86	1.226	84.1	7.6	32.8	7.4	83.0	8.5	6	46.74
1344	FM 9058F	4.88	0.86	1.196	83.2	8.1	28.6	7.3	81.2	8.5	8	52.74
1421	LA35RS	4.77	0.87	1.222	84.0	7.4	32.7	7.7	82.2	8.7	7	51.76
1463	DC F6 Bulk Population	5.01	0.88	1.204	84.6	7.4	31.6	7.6	82.9	8.5	8	49.36
1455	Ark 0614-1	4.84	0.86	1.220	85.9	6.4	29.8	8.0	83.0	8.4	7	51.75
.	LSD	0.41	0.01	0.042	2.6	1.5	2.2	1.0	2.8	0.7	4	8.12

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)	
1397	DP 1050B2RF	0.93	1.08	14.5	4.8	1.26	173.0	4.1	0.90	72	3
1469	PHY 339WRF	0.91	1.06	16.5	5.5	1.25	176.9	3.8	0.92	92	16
1454	Ark 0606-1	0.93	1.08	15.5	4.9	1.28	173.4	3.6	0.93	78	7
1459	PX 4444-13WRF	0.95	1.11	16.0	5.1	1.31	169.7	3.9	0.91	63	5
1462	MD10-6	0.91	1.06	15.0	5.0	1.24	162.8	4.2	0.90	99	5
1326	PHY 375WRF	0.88	1.03	18.0	5.9	1.22	170.5	3.9	0.92	90	9

1464 NGX 3306B2RF	0.93	1.08	16.0	5.1	1.27	180.0	3.2	0.93	90	5
1456 Ark 1517-28	0.91	1.06	16.0	5.2	1.25	179.3	3.5	0.93	71	5
1451 FM 1944GLB2	0.93	1.10	17.5	5.6	1.31	169.0	3.6	0.95	79	4
1457 DP 1321B2RF	0.95	1.10	13.5	4.2	1.27	182.4	3.2	0.92	68	7
1460 FM 8270GLB2	0.83	1.02	24.5	8.6	1.25	169.9	4.5	0.93	166	13
1442 LA 17	0.93	1.10	16.0	5.0	1.30	173.9	3.2	0.94	116	10
1461 ST 6448GLB2	0.90	1.07	19.0	6.5	1.28	172.7	4.0	0.92	100	8
1458 PX 3122-40WRF	0.96	1.11	15.0	4.6	1.30	176.9	3.3	0.93	74	8
1441 FM 2484B2F	0.90	1.08	18.5	6.2	1.29	162.3	4.1	0.93	114	12
1436 DP 1219B2RF	0.91	1.08	18.0	5.8	1.28	171.9	4.0	0.93	95	8
1344 FM 9058F	0.92	1.09	17.5	5.7	1.29	168.8	4.0	0.94	68	3
1421 LA35RS	0.91	1.08	18.5	5.9	1.30	176.5	3.7	0.94	111	9
1463 DC F6 Bulk Population	0.90	1.06	17.5	5.7	1.26	174.9	4.2	0.93	83	9
1455 Ark 0614-1	0.91	1.09	17.5	5.6	1.28	171.0	4.3	0.90	115	24
. LSD	0.07	0.07	4.9	2.0	0.08	11.7	1.1	0.04	65	13

LOCATION=KEISER, AR

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1456 Ark 1517-28	1345	1428	40.2	10.7	4.30	20.92	4.12	0.93	0.45	1.38
1457 DP 1321B2RF	1315	1951	42.4	8.5	4.10	18.21	3.81	0.62	0.45	1.06
1458 PX 3122-40WRF	1307	1665	43.2	8.8	4.15	17.97	3.84	0.64	0.43	1.07
1455 Ark 0614-1	1255	2376	38.7	10.4	4.80	19.23	3.86	0.66	0.44	1.09
1454 Ark 0606-1	1081	1562	41.0	10.1	4.05	19.78	3.96	0.62	0.42	1.04
1463 DC F6 Bulk Population	1062	1537	38.1	9.0	4.40	18.85	3.74	0.68	0.44	1.11
1459 PX 4444-13WRF	945	1304	42.6	9.7	3.40	17.75	3.62	0.46	0.48	0.93
1464 NGX 3306B2RF	941	1397	38.2	9.6	4.80	18.60	3.78	0.48	0.33	0.81
1451 FM 1944GLB2	839	887	39.3	9.9	3.95	16.31	3.31	0.43	0.40	0.83
1421 LA35RS	805	1452	38.8	10.1	3.85	18.93	3.79	0.59	0.39	0.98
1469 PHY 339WRF	801	964	41.7	9.0	3.40	17.90	3.84	0.66	0.44	1.10
1326 PHY 375WRF	726	731	42.7	9.5	3.75	18.74	3.64	0.56	0.41	0.97
1436 DP 1219B2RF	688	1071	38.9	8.0	3.60	16.78	3.71	0.51	0.35	0.86
1441 FM 2484B2F	609	978	38.3	9.3	4.35	20.35	4.00	0.59	0.39	0.98
1460 FM 8270GLB2	609	907	40.1	10.3	4.25	18.60	3.73	0.42	0.34	0.76
1442 LA 17	590	928	37.7	10.5	4.30	18.93	3.82	0.61	0.39	1.00
1461 ST 6448GLB2	587	1172	39.1	11.3	4.70	17.75	3.62	0.61	0.38	0.99
1462 MD10-6	556	736	41.9	9.0	4.05	15.50	4.35	0.45	0.31	0.75
1397 DP 1050B2RF	547	757	41.8	9.3	3.90	14.86	4.31	0.64	0.42	1.06
1344 FM 9058F	522	737	40.9	10.4	3.75	20.07	3.95	0.39	0.38	0.77
. LSD	367	670	1.4	0.7	1.21	1.27	0.29	0.05	0.04	0.09

VARIETY	-----HVI FIBER PROPERTIES-----									--SPINNING DATA--	
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1456 Ark 1517-28	4.53	0.86	1.174	85.2	6.7	34.3	8.1	80.2	7.3	5	58.41
1457 DP 1321B2RF	4.60	0.85	1.108	82.9	8.3	30.7	9.1	81.0	7.7	6	57.40
1458 PX 3122-40WRF	4.38	0.86	1.156	82.8	8.6	29.9	7.5	79.2	8.1	6	53.92

1455 Ark 0614-1	4.55	0.86	1.200	85.3	6.9	32.4	8.4	80.5	7.6	6	56.85
1454 Ark 0606-1	4.43	0.86	1.165	83.4	7.7	33.3	8.3	80.9	7.4	5	61.22
1463 DC F6 Bulk Population	4.60	0.86	1.160	84.9	6.6	32.7	8.3	80.7	7.3	6	61.93
1459 PX 4444-13WRF	3.87	0.84	1.223	84.8	7.3	32.9	8.0	81.0	7.7	7	63.57
1464 NGX 3306B2RF	4.43	0.85	1.213	85.6	7.1	34.6	8.5	80.8	7.7	6	58.01
1451 FM 1944GLB2	4.50	0.87	1.195	84.2	7.8	34.0	6.9	82.1	6.6	7	61.66
1421 LA35RS	4.31	0.86	1.190	85.0	7.1	34.5	7.7	80.2	8.0	6	56.82
1469 PHY 339WRF	4.50	0.86	1.163	84.0	7.4	31.4	8.2	81.4	7.0	19	56.02
1326 PHY 375WRF	4.54	0.86	1.127	82.7	9.0	30.9	7.4	80.6	7.7	6	56.94
1436 DP 1219B2RF	4.23	0.85	1.168	85.0	7.2	34.5	8.1	81.7	7.5	7	58.78
1441 FM 2484B2F	4.43	0.86	1.203	84.3	7.2	36.1	7.1	82.6	6.9	7	67.78
1460 FM 8270GLB2	4.53	0.87	1.176	84.2	7.5	33.5	7.3	81.0	7.2	6	65.94
1442 LA 17	4.27	0.85	1.181	85.2	6.6	36.4	7.9	80.5	7.5	6	61.61
1461 ST 6448GLB2	4.65	0.87	1.194	84.3	7.9	31.8	6.8	81.2	7.6	7	60.94
1462 MD10-6	4.55	0.86	1.149	84.0	7.2	34.5	8.3	81.7	6.9	5	61.07
1397 DP 1050B2RF	4.73	0.86	1.144	84.1	8.1	30.7	8.7	79.7	7.9	6	54.44
1344 FM 9058F	4.24	0.86	1.147	82.6	8.7	31.3	7.0	81.4	7.1	9	56.70
. LSD	0.34	0.01	0.043	1.5	1.0	2.3	0.7	1.5	0.4	10	8.31

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1456 Ark 1517-28	0.97	1.10	11.0	3.3	1.26	166.4	3.0	0.92	70	6
1457 DP 1321B2RF	0.89	1.01	12.5	4.2	1.16	175.0	3.1	0.91	78	4
1458 PX 3122-40WRF	0.92	1.07	15.0	4.9	1.24	173.8	3.9	0.97	95	11
1455 Ark 0614-1	0.92	1.07	14.5	4.7	1.24	167.2	4.0	0.89	101	7
1454 Ark 0606-1	0.91	1.05	15.0	4.8	1.23	172.0	3.1	0.93	79	6
1463 DC F6 Bulk Population	0.93	1.06	14.0	4.3	1.23	176.7	3.7	0.93	71	12
1459 PX 4444-13WRF	0.98	1.12	12.5	3.8	1.29	164.0	4.0	0.96	92	5
1464 NGX 3306B2RF	0.93	1.10	16.0	5.0	1.28	167.3	4.5	0.92	111	10
1451 FM 1944GLB2	0.93	1.09	16.5	5.2	1.29	175.7	3.5	0.99	81	14
1421 LA35RS	0.97	1.11	11.5	3.6	1.28	172.9	3.6	0.96	86	7
1469 PHY 339WRF	0.98	1.10	10.0	3.1	1.25	175.5	3.2	0.98	69	6
1326 PHY 375WRF	0.90	1.04	14.0	4.7	1.21	166.8	3.6	0.91	78	11
1436 DP 1219B2RF	0.88	1.04	19.0	6.0	1.23	172.7	3.6	0.98	96	12
1441 FM 2484B2F	0.93	1.07	15.0	4.7	1.25	173.5	3.3	0.99	94	12
1460 FM 8270GLB2	0.90	1.05	17.0	5.6	1.24	168.2	3.9	0.97	121	13
1442 LA 17	0.95	1.08	12.0	3.8	1.25	164.7	3.7	0.96	95	7
1461 ST 6448GLB2	0.94	1.08	15.5	4.8	1.25	187.0	2.9	0.99	107	9
1462 MD10-6	0.90	1.03	13.0	4.4	1.20	168.9	3.7	0.93	71	10
1397 DP 1050B2RF	0.93	1.06	13.5	4.4	1.23	177.0	3.3	0.89	82	4
1344 FM 9058F	0.90	1.05	16.5	5.6	1.24	154.7	4.3	0.90	102	10
. LSD	0.06	0.05	4.1	1.6	0.05	8.6	1.1	0.03	69	9

LOCATION=FLORENCE, SC

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES----- -----GOSSYPOL DATA-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1464 NGX 3306B2RF	1344	1978	40.4	9.2	5.98	21.68	2.89	0.85	0.58	1.42
1455 Ark 0614-1	1264	1902	39.9	10.6	5.63	21.66	2.95	0.90	0.62	1.52
1461 ST 6448GLB2	1244	1677	42.6	9.0	5.58	19.79	3.21	0.52	0.42	0.94
1458 PX 3122-40WRF	1220	1494	45.0	9.5	4.88	21.07	3.22	0.88	0.60	1.47
1326 PHY 375WRF	1191	1532	43.8	9.0	4.35	21.68	3.08	0.88	0.64	1.52
1397 DP 1050B2RF	1151	1394	45.3	8.7	5.63	17.86	3.26	0.82	0.55	1.37
1462 MD10-6	1125	1454	43.7	8.9	5.18	17.87	3.33	0.63	0.45	1.08
1457 DP 1321B2RF	1122	1458	43.3	9.4	4.35	20.68	3.20	0.79	0.58	1.37
1469 PHY 339WRF	1120	1473	43.1	9.0	4.70	21.95	2.98	1.03	0.71	1.73
1451 FM 1944GLB2	1112	1681	39.8	10.4	5.10	18.84	2.93	0.59	0.57	1.16
1441 FM 2484B2F	1106	1390	44.3	9.0	4.78	19.98	2.98	0.82	0.49	1.31
1459 PX 4444-13WRF	1105	1332	45.3	10.0	5.50	21.83	3.06	0.69	0.70	1.38
1436 DP 1219B2RF	1070	1381	43.7	8.3	4.68	19.37	3.19	0.70	0.49	1.19
1344 FM 9058F	1021	1491	40.7	10.4	5.13	21.90	3.00	0.58	0.56	1.14
1442 LA 17	995	1546	39.2	10.7	4.95	21.15	3.01	0.77	0.53	1.30
1454 Ark 0606-1	961	1306	42.4	11.1	6.40	20.73	3.09	0.87	0.64	1.51
1463 DC F6 Bulk Population	907	1305	40.9	9.8	5.75	21.12	3.05	0.94	0.62	1.56
1421 LA35RS	788	1197	39.7	10.8	4.70	20.45	3.02	0.79	0.54	1.32
1456 Ark 1517-28	760	1064	41.6	10.8	5.03	22.72	3.36	1.20	0.64	1.84
1460 FM 8270GLB2	624	976	39.0	10.6	5.45	21.25	3.07	0.76	0.48	1.24
. LSD	285	379	1.2	0.5	1.42	0.60	0.24	0.05	0.04	0.08

VARIETY	-----HVI FIBER PROPERTIES-----							--SPINNING DATA--			
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1464 NGX 3306B2RF	4.60	0.86	1.187	85.0	7.3	31.9	8.4	80.4	8.1	6	54.50
1455 Ark 0614-1	4.79	0.86	1.187	84.7	7.4	30.1	8.7	83.1	6.8	6	49.77
1461 ST 6448GLB2	4.54	0.87	1.175	84.4	8.0	30.5	6.8	82.4	7.2	7	54.87
1458 PX 3122-40WRF	4.70	0.86	1.163	85.2	7.7	30.5	8.3	80.3	8.5	5	52.12
1326 PHY 375WRF	4.59	0.86	1.109	83.2	8.6	27.7	8.1	83.6	6.9	5	50.56
1397 DP 1050B2RF	4.73	0.86	1.148	84.6	8.1	28.6	8.7	84.3	7.7	6	44.11
1462 MD10-6	4.45	0.86	1.116	84.1	7.4	31.6	7.4	79.2	7.1	6	55.40
1457 DP 1321B2RF	4.92	0.86	1.149	85.0	7.6	30.3	9.2	84.4	7.1	6	50.48
1469 PHY 339WRF	4.41	0.85	1.156	83.7	7.9	30.0	8.5	81.3	6.7	7	47.12
1451 FM 1944GLB2	4.81	0.87	1.199	84.4	8.1	32.3	6.9	82.2	6.8	6	55.71
1441 FM 2484B2F	4.62	0.87	1.178	83.8	8.2	30.4	6.8	81.2	7.4	7	54.51
1459 PX 4444-13WRF	4.14	0.85	1.213	84.3	8.4	30.6	7.6	82.6	7.4	3	50.49
1436 DP 1219B2RF	4.47	0.86	1.183	84.0	8.1	32.0	8.0	82.7	7.6	6	53.07
1344 FM 9058F	4.43	0.86	1.177	83.6	8.5	30.6	7.5	83.9	6.5	5	51.89
1442 LA 17	4.43	0.86	1.196	85.0	7.0	32.3	7.5	80.3	7.9	5	62.77

1454 Ark 0606-1	4.81	0.86	1.183	83.9	8.1	30.2	8.6	82.6	6.5	5	49.13
1463 DC F6 Bulk Population	4.99	0.87	1.144	84.2	7.8	30.5	7.7	80.7	7.6	4	46.81
1421 LA35RS	4.71	0.86	1.204	85.3	7.0	33.0	7.9	81.1	8.5	6	59.98
1456 Ark 1517-28	4.60	0.86	1.193	85.0	7.3	32.0	7.9	83.1	7.2	5	53.00
1460 FM 8270GLB2	4.22	0.86	1.204	84.3	7.8	30.9	6.9	84.0	7.3	6	52.33
. LSD	0.15	0.01	0.043	1.3	1.1	1.8	0.7	2.1	0.9	3	5.68

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----										
VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1464 NGX 3306B2RF	0.94	1.09	14.5	4.4	1.26	169.5	2.4	0.92	113	4
1455 Ark 0614-1	0.93	1.07	14.0	4.2	1.24	171.9	2.6	0.89	119	2
1461 ST 6448GLB2	0.89	1.06	18.0	5.7	1.25	164.1	2.7	0.93	123	6
1458 PX 3122-40WRF	0.93	1.07	14.5	4.6	1.24	174.7	2.5	0.92	85	6
1326 PHY 375WRF	0.87	1.00	16.5	5.3	1.16	165.9	2.8	0.89	116	4
1397 DP 1050B2RF	0.89	1.04	17.0	5.4	1.21	171.1	3.1	0.87	101	4
1462 MD10-6	0.87	1.01	15.0	4.8	1.17	164.7	2.4	0.92	134	7
1457 DP 1321B2RF	0.90	1.03	15.0	4.7	1.20	177.7	2.8	0.90	152	4
1469 PHY 339WRF	0.91	1.05	16.0	5.2	1.24	160.2	3.3	0.89	131	6
1451 FM 1944GLB2	0.91	1.08	18.0	5.7	1.29	170.0	2.5	0.94	111	4
1441 FM 2484B2F	0.90	1.05	17.0	5.4	1.24	179.4	2.4	0.93	97	2
1459 PX 4444-13WRF	0.94	1.11	17.5	5.1	1.32	154.4	3.6	0.88	165	5
1436 DP 1219B2RF	0.88	1.04	19.0	5.9	1.24	162.9	2.8	0.91	122	2
1344 FM 9058F	0.91	1.08	17.5	5.4	1.28	158.4	3.0	0.89	144	4
1442 LA 17	0.96	1.11	13.0	3.8	1.28	162.7	2.4	0.93	122	4
1454 Ark 0606-1	0.91	1.07	16.5	5.1	1.26	172.6	2.5	0.91	104	4
1463 DC F6 Bulk Population	0.93	1.06	13.5	4.2	1.23	179.2	2.0	0.93	96	2
1421 LA35RS	0.94	1.09	15.0	4.7	1.28	176.8	2.5	0.93	128	3
1456 Ark 1517-28	0.94	1.09	14.5	4.4	1.27	169.1	2.3	0.92	103	4
1460 FM 8270GLB2	0.89	1.06	19.0	6.2	1.26	161.3	2.9	0.93	129	1
. LSD	0.06	0.05	4.0	1.5	0.05	6.2	0.7	0.01	50	4



2013 National Cotton Variety Test

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BLACKLANDS REGION

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	-----GOSSYPOL DATA-----		FREE (%)
								PLUS	MINUS	
1412 DP 0912B2RF	431	680	39.6	8.2	4.23	15.85	3.40	0.42	0.25	0.67
1427 DP 1044B2RF	357	634	39.4	8.2	4.25	15.87	3.55	0.58	0.25	0.82
1345 AMERICOT 1550B2RF	335	517	39.2	8.3	2.90	16.06	3.57	0.52	0.27	0.78
1404 PHY 499WRF	333	521	42.5	7.8	4.25	15.11	3.55	0.43	0.23	0.66
1411 AT Epic RF	290	385	40.8	8.2	4.28	15.04	3.60	0.42	0.22	0.64
1358 FM 1740B2F	269	406	39.8	8.2	3.65	15.49	3.66	0.37	0.26	0.62
1344 FM 9058F	232	365	38.9	8.6	4.35	16.24	3.33	0.28	0.24	0.52
1326 PHY 375WRF	224	259	41.3	7.5	3.70	16.30	3.82	0.41	0.24	0.65
1426 Phytogen 725RF	211	396	38.5	9.0	4.50	16.24	3.82	0.32	0.20	0.51
. LSD	160	314	1.8	0.8	2.53	2.07	0.43	0.08	0.04	0.11

		-----HVI FIBER PROPERTIES-----								---SPINNING DATA---		
VARIETY		MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412	DP 0912B2RF	4.48	0.86	1.023	81.5	11.5	27.3	7.0	75.4	8.2	11	41.84
1427	DP 1044B2RF	3.99	0.85	1.100	80.2	11.4	30.7	7.7	78.9	8.1	12	38.10
1345	AMERICOT 1550B2RF	3.92	0.85	1.001	78.6	15.5	24.1	5.9	77.3	9.2	9	36.47
1404	PHY 499WRF	4.01	0.84	1.048	82.4	10.7	28.8	8.0	75.3	8.2	11	48.44
1411	AT Epic RF	3.97	0.84	1.053	81.8	11.3	27.2	7.6	77.4	9.1	8	46.22
1358	FM 1740B2F	3.92	0.85	1.003	80.3	13.2	25.4	6.0	79.0	8.2	9	40.73
1344	FM 9058F	3.88	0.86	1.045	79.3	13.9	25.5	5.4	78.1	7.8	10	42.71
1326	PHY 375WRF	3.94	0.86	0.992	80.4	13.0	24.9	5.6	74.4	8.8	9	43.16
1426	Phytogen 725RF	4.08	0.85	1.122	82.7	8.7	33.1	7.7	75.8	8.6	10	55.34
.	LSD	0.70	0.02	0.085	3.3	4.6	4.5	1.4	1.7	0.8	3	4.87

		-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
VARIETY		L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412	DP 0912B2RF	0.77	0.91	20.8	7.7	1.07	173.3	2.4	0.93	104	9
1427	DP 1044B2RF	0.81	0.97	22.0	7.9	1.16	165.2	2.9	0.93	109	5
1345	AMERICOT 1550B2RF	0.75	0.90	25.0	9.7	1.08	164.5	3.1	0.93	134	10
1404	PHY 499WRF	0.78	0.93	21.8	8.0	1.09	162.6	3.2	0.91	106	10
1411	AT Epic RF	0.78	0.93	22.0	8.1	1.10	165.0	3.3	0.91	127	7
1358	FM 1740B2F	0.75	0.90	22.8	8.8	1.06	161.0	3.5	0.90	114	10
1344	FM 9058F	0.71	0.88	29.3	11.7	1.06	155.5	4.1	0.89	195	15
1326	PHY 375WRF	0.74	0.87	23.0	8.8	1.03	153.0	3.7	0.88	136	13
1426	Phytogen 725RF	0.77	0.94	24.5	9.5	1.12	159.0	3.2	0.92	177	13
.	LSD	0.07	0.07	6.0	3.1	0.07	21.8	1.4	0.06	51	12

SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

							-----SEED PROPERTIES-----				
LOCATION		LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
THRALL, TX		378	595	40.0	8.5	3.84	15.56	3.50	0.43	0.25	0.68
COMMERCE, TX		235	334	39.9	8.0	4.19	15.97	3.66	0.38	0.22	0.61

		-----HVI FIBER PROPERTIES-----								---SPINNING DATA---		
LOCATION		MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)

THRALL, TX	4.09	0.85	1.079	81.3	11.1	28.9	7.2	79.1	8.5	10	45.16
COMMERCE, TX	3.96	0.85	1.006	80.4	13.2	25.9	6.3	74.6	8.4	10	42.93

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

LOCATION	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
THRALL, TX	0.79	0.95	22.6	8.4	1.13	167.6	2.7	0.94	120	8
COMMERCE, TX	0.73	0.88	24.6	9.6	1.04	157.4	3.8	0.88	150	12

LOCATION=THRALL, TX

-----SEED PROPERTIES-----

-----GOSSYPOL DATA-----

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	549	810	40.2	8.2	4.10	15.00	3.21	0.42	0.26	0.68
1345 AMERICOT 1550B2RF	468	793	39.1	8.5	1.55	16.01	3.65	0.55	0.29	0.83
1427 DP 1044B2RF	411	634	39.4	8.2	4.25	15.87	3.55	0.58	0.25	0.82
1404 PHY 499WRF	400	630	43.2	7.9	4.45	14.42	3.44	0.45	0.25	0.69
1411 AT Epic RF	347	449	40.6	8.6	4.35	14.62	3.46	0.46	0.26	0.72
1358 FM 1740B2F	344	525	39.4	8.6	2.90	16.04	3.55	0.38	0.27	0.65
1426 Phytogen 725RF	264	494	38.5	9.4	4.75	16.34	3.77	0.34	0.21	0.55
1344 FM 9058F	246	425	39.4	9.1	4.40	16.21	3.39	0.28	0.25	0.52
. LSD	143	370	1.4	0.5	1.48	1.33	0.60	0.02	0.01	0.03

-----HVI FIBER PROPERTIES-----

-----SPINNING DATA-----

VARIETY	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
1412 DP 0912B2RF	4.53	0.86	1.043	82.0	10.7	28.3	7.0	77.9	8.5	11	43.77
1345 AMERICOT 1550B2RF	3.76	0.85	1.030	77.8	15.4	25.5	6.7	79.7	9.1	10	37.96
1427 DP 1044B2RF	3.99	0.85	1.100	80.2	11.4	30.7	7.7	78.9	8.1	12	38.10
1404 PHY 499WRF	3.96	0.84	1.084	82.9	10.2	30.4	8.4	77.4	8.3	12	51.79
1411 AT Epic RF	4.08	0.84	1.087	82.8	9.9	28.6	8.2	78.8	9.2	8	46.53
1358 FM 1740B2F	3.98	0.85	1.051	81.0	11.8	26.8	6.5	81.0	8.2	9	43.50
1426 Phytogen 725RF	4.22	0.85	1.127	82.8	8.5	32.6	7.6	78.3	9.0	9	55.97
1344 FM 9058F	4.25	0.86	1.112	81.0	10.7	28.5	5.9	80.7	8.0	8	43.67
. LSD	0.50	0.01	0.046	1.3	1.9	1.8	0.5	2.5	0.5	4	12.67

-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----

VARIETY	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
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1412 DP 0912B2RF	0.79	0.93	21.0	7.8	1.10	178.3	2.0	0.96	98	10
1345 AMERICOT 1550B2RF	0.79	0.95	23.5	8.8	1.14	159.3	3.2	0.93	127	8
1427 DP 1044B2RF	0.81	0.97	22.0	7.9	1.16	165.2	2.9	0.93	109	5
1404 PHY 499WRF	0.82	0.97	20.0	6.9	1.14	166.3	2.6	0.94	82	8
1411 AT Epic RF	0.83	0.97	19.0	6.6	1.15	175.1	2.4	0.95	92	8
1358 FM 1740B2F	0.80	0.96	20.5	7.5	1.13	165.9	2.9	0.93	108	10
1426 Phytogen 725RF	0.77	0.94	25.0	9.6	1.14	167.3	2.5	0.95	155	8
1344 FM 9058F	0.73	0.92	29.5	11.8	1.11	163.6	3.5	0.93	188	8
. LSD	0.11	0.09	10.0	5.1	0.08	10.1	1.1	0.03	125	9

LOCATION=COMMERCE, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	-----SEED PROPERTIES-----				
						OIL (%)	N (%)	PLUS	MINUS	FREE (%)
1412 DP 0912B2RF	313	549	39.1	8.3	4.35	16.71	3.59	0.43	0.25	0.67
1427 DP 1044B2RF	303	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	267	413	41.8	7.7	4.05	15.80	3.67	0.41	0.22	0.63
1411 AT Epic RF	233	320	41.0	7.9	4.20	15.46	3.75	0.38	0.19	0.57
1326 PHY 375WRF	224	259	41.3	7.5	3.70	16.30	3.82	0.41	0.24	0.65
1344 FM 9058F	219	305	38.4	8.1	4.30	16.28	3.28	0.29	0.23	0.52
1345 AMERICOT 1550B2RF	202	242	39.3	8.1	4.25	16.11	3.50	0.49	0.25	0.74
1358 FM 1740B2F	195	288	40.2	7.9	4.40	14.95	3.77	0.35	0.25	0.60
1426 Phytogen 725RF	159	299	38.4	8.6	4.25	16.14	3.88	0.30	0.18	0.48
. LSD	120	406	3.6	1.0	0.92	1.89	0.26	0.06	0.06	0.11

VARIETY	-----HVI FIBER PROPERTIES-----							--SPINNING DATA--			
	MIC (READING)	MATURITY (%)	UHML (w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD Plus b	WASTE (%)	YT (mN/TEX)	
1412 DP 0912B2RF	4.42	0.86	1.002	81.0	12.2	26.4	7.1	72.9	8.0	11	39.91
1427 DP 1044B2RF	.	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	4.07	0.85	1.012	82.0	11.3	27.2	7.7	73.1	8.1	9	45.08
1411 AT Epic RF	3.87	0.85	1.019	80.8	12.8	25.7	6.9	76.0	9.1	8	45.92
1326 PHY 375WRF	3.94	0.86	0.992	80.4	13.0	24.9	5.6	74.4	8.8	9	43.16
1344 FM 9058F	3.51	0.85	0.978	77.7	17.1	22.5	5.0	75.5	7.5	11	41.75
1345 AMERICOT 1550B2RF	4.08	0.86	0.973	79.5	15.7	22.8	5.2	75.0	9.3	9	34.99
1358 FM 1740B2F	3.87	0.86	0.955	79.6	14.5	24.0	5.5	77.0	8.3	10	37.96
1426 Phytogen 725RF	3.95	0.84	1.117	82.6	8.9	33.6	7.8	73.4	8.2	10	54.71
. LSD	0.57	0.03	0.050	0.9	2.2	3.2	1.0	2.8	0.6	7	7.20

VARIETY	-----ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES-----									
	L (N) (IN.)	L (W) (IN.)	SFC (N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (µm)	SCN (µm)
1412 DP 0912B2RF	0.76	0.89	20.5	7.7	1.03	168.4	2.9	0.90	110	8
1427 DP 1044B2RF	.	.	.	.	.	.	.	.	.	.
1404 PHY 499WRF	0.74	0.89	23.5	9.0	1.05	158.9	3.8	0.88	130	13
1411 AT Epic RF	0.74	0.89	25.0	9.7	1.05	154.8	4.2	0.87	162	6
1326 PHY 375WRF	0.74	0.87	23.0	8.8	1.03	153.0	3.7	0.88	136	13

1344 FM 9058F	0.69	0.85	29.0	11.6	1.01	147.4	4.8	0.85	202	21
1345 AMERICOT 1550B2RF	0.71	0.86	26.5	10.6	1.02	169.7	2.9	0.93	141	11
1358 FM 1740B2F	0.71	0.85	25.0	10.2	1.00	156.2	4.1	0.87	120	10
1426 Phytogen 725RF	0.77	0.93	24.0	9.4	1.10	150.7	3.9	0.88	200	18
. LSD	0.13	0.09	12.0	6.1	0.09	15.1	2.4	0.06	169	10



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