2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

Any time you see the cotton boll photograph as shown here, you may click on it to return to the top of the document.

National Cotton Variety Tests, 2012
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, 2012.

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

Issued August, 2013.

Processed by National Cotton Variety Testing Program:

United States Department of Agriculture
Agricultural Research Service
Crop Genetics Research Unit
P.O. Box 345
Stoneville, MS 38776

CONTENTS

TEST RESULTS

TEST LOCATIONS

UNIVERSITY PARK, NM
PECOS, TX (IRR)
LUBBOCK, TX (IRR)

COLLEGE STATION, TX
WESLACO, TX
SAINT JOSEPH, LA
STONEVILLE, MS
AUBURN, AL
FLORENCE, SC
ROCKY MOUNT, NC
MARICOPA, AZ
STARKVILLE, MS
NEUCES COUNTY, TX
PORTAGEVILLE, MO
BELLE MINA, AL
FIVE POINTS, CA
GRIFFIN, GA
LAS CRUCES, NM
LAMESA, TX (DRY)
THRALL, TX
KEISER, AR
FORT COBB, TX

ACKNOWLEDGMENTS

The success of the National Cotton Variety Testing Program results from the interest and diligence of many workers who conducted the tests, processed the fiber samples, tabulated the information and analyzed the data. The following were primarily responsible for furnishing field data and providing samples:

Alabama -- K. Glass
Arkansas -- F. M. Bourland
California -- R. Hutmacher, M. Gore (USDA-ARS)
Georgia -- L. Day
Louisiana -- G. Myers

Mississippi -- W. R. Meredith, Jr. (USDA-ARS), B. Golden, and T. Wallace
Missouri - A. Phillips Jones
New Mexico -- J. Zhang
North Carolina - K. Edmisten
Oklahoma -- R. Boman
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

JOINT COTTON BREEDING POLICY COMMITTEE

(As of August 2013)

D. L. Brennan, USDA, ARS-SA, Athens, GA
D. Bush, Americot, Inc., Lubbock, TX
C. Green, Monsanto, Hartsville, SC
A. Hammond, USDA, ARS-PWA, Albany, CA
J. Johnson, Cotton Breeder, PhytoGen Seed Co., LLC, Leland, MS
E. King, USDA, ARS, Stoneville, MS
H. S. Moser, Bayer Crop Science/CPCSD, Shafter, CA

D. Monks, Interim Associate Dean for R&D, NC State University, Raleigh, NC
C. Nessler, Director, Texas AgriLife Research, College Station, TX
J. Russin, (Chairman) Associate Vice Chancellor & Associate Director, LSU, Baton Rouge, LA
D. Upchurch, USDA, ARS, South Plains Area, College Station, TX

Ex Officio

B. Norman, (Secretary), Vice-President, Technical Services, National Cotton Council, Cordova, TN
R. Scott, USDA, NPL, Beltsville, MD
E. Young, Executive Director, SAAESD, North Carolina State University, Raleigh, NC

Advisors

F. M. Bourland, (Chairman) National Cotton Variety Testing Program Committee, and
(Chairman) Genetics Award Nominations Committee, University of Arkansas, Keiser, AR
D. Jones, Cotton Incorporated, Cary, NC
R. Percy, (Chairman) Cotton Winter Nursery Committee, USDA, ARS, SCRL, College Station, TX
M. Ulloa, (Chairman), Cotton Germplasm Committee, USDA, ARS-WICSRU, Shafter, CA

NATIONAL COTTON VARIETY TEST COMMITTEE

(As of August 2013)

F. M. Bourland, (Chairman and Delta Region Chair) University of Arkansas-NEREC, Keiser, AR
R. Boman, Southwest Research and Extension Center, Altus, OK
T. Campbell, (Eastern Region Chair) Agricultural Research Service, USDA, Florence, SC
L. Day, University of Georgia, Griffin, GA
C. Delhom, Agricultural Research Service, USDA, New Orleans, LA
J. Dever, (Plains and Western Regions Chair) Texas Agricultural Experiment Station, Lubbock, TX
K. Edmisten, North Carolina State University, Raleigh, NC
B. Golden, Delta Research and Extension Center, Stoneville, MS

C. Green, Delta & Pine Land Co., Hartsville, SC
S. Hague, Central Region Chair) Texas Agricultural Experiment Station, College Station, TX
R. Hutmacher, (Pima Region Chair) West Side Research and Extension Center, Five Points, CA
D. Jones, Cotton Incorporated, Cary NC
M. Jones, Pee Dee Research and Educational Center, Florence, SC
E. R. Keene, (Secretary) Agricultural Research Service, USDA, Stoneville, MS
J. Mahill, Dow Agrosciences, Corcoran, CA
W. R. Meredith, Jr., Agricultural Research Service (Retired), USDA, Stoneville, MS
G. Myers, Louisiana State University Agricultural Center, Baton Rouge, LA
R. Percy, Agricultural Research Service, USDA, Maricopa, AZ
A. Phillips Jones, University of Missouri, Portageville, MO
R. Scott, Agricultural Research Service, USDA, Beltsville, MD
M. Shields, Bayer CropScience, Lubbock, TX
C. W. Smith, Texas Agricultural Experiment Station, College Station, TX
T. Wallace, Mississippi State University, Starkville, MS
L. Young, Agricultural Research Service, USDA, Stoneville, MS
J. Zhang, New Mexico Agricultural Experiment Station, Las Cruces, NM

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 - 2012
Yield Archive File	1960 - 2012
Fiber Quality Archive File	1960 - 2012
Pima Combed Yarn Archive File	1962 - 2012

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:

Mrs. Ellen R. Keene
National Cotton Variety Testing Program
P. O. Box 345
Stoneville, MS 38776
601-686-5377
e-mail address: ellen.keene@ars.usda.gov

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 2012 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)

Alabama Agricultural Experiment Station
- Main Station — Auburn, AL
- Tennessee Valley Substation — Belle Mina, AL

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 — Dallas, TX
- Stiles Farm Foundation — Thrall, TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station

Cotton Research Station
- Irrigated Test — Chickasha, OK

Dryland Test — 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 — Lubbock, TX
Off-Station (Dryland Test) — Lamesa, TX

Western Regional Cotton Variety Test (Upland Varieties)
New Mexico Agricultural Experiment Station
Main Station — Las Cruces, NM
Southeastern Branch Station — Artesia, NM
Texas A&M University
Agricultural Research Center — Pecos, TX

High Quality Regional Cotton Variety Test
Alabama Agricultural Experiment Station
Tennessee Valley Substation — Belle Mina, AL
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 — Stoneville, MS
Texas A&M University
Texas Agricultual Experiment Station — College Station, TX
Safford, AZ
Agricultural Research and Extension Center — Lubbock, TX

Pima Regional Cotton Variety Test
Arizona Agricultural Experiment Station

Cotton Research Center	Maricopa, AZ
Agricultural Research and Extension Center	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:

(LINT YIELD/ACRE) X ((100-LINT%) / 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 180øF 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 2012, 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 2012:

VARIETY	REGION(S) PLANTED IN:
ACALA 151708	HIGH QUALITY
ALL-TEX NITRO 44B2RF	HIGH QUALITY
AM 1511B2RF	DELTA, EASTERN
AMERICOT1550B2RF	BLACKLANDS, CENTRAL, EASTERN
Ark 0403-27	HIGH QUALITY
Ark 0410-21	HIGH QUALITY
AT Epic RF	BLACKLANDS, CENTRAL, PLAINS
COBALT	PIMA
DG 2530B2RF	EASTERN
DG 2610B2RF	EASTERN
DP 0912B2RF*	NATIONAL STANDARD: ALL REGIONS EXCEPT PIMA AND HIGH QUALITY
DP 1032B2RF	HIGH QUALITY
DP 1044B2RF	BLACKLANDS, CENTRAL, PLAINS
DP 1048B2RF	DELTA, EASTERN, HIGH QUALITY
DP 1050B2RF	EASTERN
DP 1137B2RF	EASTERN
DP 1219B2RF	HIGH QUALITY
DP 1252B2RF	EASTERN
DP 161B2RF	WESTERN
DP 340	PIMA
DP 357	PIMA
FM 1740B2F	BLACKLANDS, CENTRAL, DELTA
FM 1944GLB2	EASTERN
FM 2484B2F	HIGH QUALITY
FM 9058F*	NATIONAL STANDARD: ALL REGIONS EXCEPT PIMA
FM 9170B2F	WESTERN
FM 9180B2F	CENTRAL, PLAINS
LA 17	HIGH QUALITY

MD10-5	HIGH QUALITY
MD25-26ne	HIGH QUALITY
NG 3348B2F	CENTRAL, PLAINS
NM 06N1166	HIGH QUALITY
NM 06N1168	HIGH QUALITY
PHX 4912WRF	HIGH QUALITY
PHY 375WRF*	NATIONAL STANDARD: ALL REGIONS EXCEPT PIMA
PHY 499WRF	BLACKLANDS, CENTRAL, DELTA, EASTERN
PHY 565WRF	EASTERN
PHY 755WRF	WESTERN
PHY 800	PIMA
PHY 802	PIMA
Phytogen 725RF*	NATIONAL STANDARD: ALL REGIONS EXCEPT PIMA AND HIGH QUALITY
PX 433906WRF	EASTERN, HIGH QUALITY
PX 532211WRF	EASTERN, HIGH QUALITY
ST 4145LLB2	HIGH QUALITY
ST 5458B2RF	DELTA, PLAINS
ST 5488B2F	CENTRAL
TAM 06WE-62-1	HIGH QUALITY
TAMCOT 73	HIGH QUALITY
UA 222	EASTERN
UA 48	DELTA

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to:

ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 PLAINS REGIONAL COTTON VARIETY TEST

----------PLAINS REGION ----------
-
SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

						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 (%)
ST 5458B2RF	1120	1633	38.3	10.6	5.26	21.38	3.55	0.69	0.43	1.12
DP 0912B2RF	1032	1522	39.2	10.2	5.12	20.01	3.56	0.63	0.43	1.05
AT Epic RF	1008	1519	39.8	10.2	5.14	19.31	3.66	0.68	0.46	1.13
DP 1044B2RF	922	1390	37.5	9.4	4.46	19.61	3.56	0.67	0.39	1.06
FM 9058F	847	1563	36.9	11.2	5.12	20.17	3.49	0.40	0.42	0.81

Phytogen 725RF	840	1632	36.9	11.3	5.43	20.65	3.86	0.49	0.35	0.84
PHY 375WRF	829	1305	39.4	10.3	5.04	19.65	3.71	0.59	0.46	1.05
NG 3348B2F	821	1578	36.9	11.6	5.66	21.65	3.50	0.69	0.40	1.10
FM 9180B2F	777	1424	35.9	11.5	5.51	20.97	3.52	0.51	0.40	0.92
LSD	242	397	1.2	0.4	0.38	0.83	0.28	0.08	0.05	0.13

	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)
ST 5458B2RF	4.99	0.87	1.127	81.7	11.5	31.5	7.3	75.9	7.9	9.16	45.95
DP 0912B2RF	5.08	0.87	1.110	82.2	10.3	30.9	7.6	76.7	7.6	8.84	52.57
AT Epic RF	4.68	0.86	1.142	82.5	10.0	30.4	8.6	77.6	8.2	9.04	47.78
DP 1044B2RF	4.58	0.85	1.144	82.0	10.2	31.1	8.4	77.8	7.5	9.63	47.42
FM 9058F	4.51	0.87	1.189	82.0	10.1	32.4	6.3	78.7	7.0	8.00	53.28
Phytogen 725RF	4.33	0.85	1.197	82.1	9.8	36.6	7.7	76.6	8.0	9.44	52.37
PHY 375WRF	4.60	0.86	1.124	82.3	11.0	29.7	7.0	76.9	7.6	8.66	51.35
NG 3348B2F	4.46	0.86	1.118	81.8	10.7	30.2	6.7	75.1	8.0	9.77	48.16
FM 9180B2F	4.54	0.87	1.146	82.3	10.0	33.2	6.5	78.0	6.7	8.06	50.15
LSD	0.40	0.01	0.060	2.2	2.0	1.6	0.4	2.0	0.5	1.59	5.79

	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 (5m)	SCN (5m)
ST 5458B2RF	0.81	0.98	23.5	8.2	1.19	183.6	3.8	0.96	136	16
DP 0912B2RF	0.83	0.98	19.5	6.8	1.16	189.8	3.2	0.97	127	16
AT Epic RF	0.81	0.97	22.7	8.1	1.17	176.3	4.7	0.91	180	17
DP 1044B2RF	0.80	0.97	24.0	8.5	1.18	178.8	4.9	0.92	170	18
FM 9058F	0.83	1.02	23.2	7.8	1.24	169.1	4.4	0.95	165	20
Phytogen 725RF	0.83	1.02	23.8	8.6	1.24	165.6	4.6	0.94	195	35
PHY 375WRF	0.81	0.98	23.2	8.2	1.17	173.4	4.2	0.94	163	17
NG 3348B2F	0.80	0.97	22.8	8.3	1.17	172.8	4.8	0.93	161	23
FM 9180B2F	0.85	1.02	20.2	6.7	1.22	171.4	4.1	0.95	156	20
LSD	0.07	0.06	5.5	2.8	0.05	7.7	0.9	0.02	34	9

REGIONAL SUMMARY BY LOCATION COMBINING ALL VARIETIES

SEED PROPERTIES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	GOSSYPOL DATA PLUS	GOSSYPOL DATA MINUS	GOSSYPOL DATA FREE (%)
FORT COBB, TX	1334	2030	40.9	11.5	5.48	21.25	3.50	0.65	0.47	1.12
LUBBOCK, TX (IRR)	699	1246	36.3	10.3	5.05	20.18	3.44	0.60	0.44	1.04
LAMESA, TX (DRY)	699	1246	36.3	10.3	5.05	19.69	3.86	0.53	0.34	0.87

VARIETY	HVI FIBER PROPERTIES MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD	HUNTERS Plus b	SPINNING DATA WASTE (%)	SPINNING DATA YT (mN/TEX)
FORT COBB, TX	4.84	0.87	1.191	84.9	8.2	34.4	7.1	73.7	7.2	12.4	53.60
LUBBOCK, TX (IRR)	4.46	0.86	1.149	81.3	10.6	31.0	7.4	80.5	7.4	6.75	48.32
LAMESA, TX (DRY)	4.62	0.86	1.093	80.1	12.5	29.9	7.5	76.9	8.2	7.68	47.75

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 (5m)	SCN (5m)
FORT COBB, TX	0.86	1.03	20.4	6.7	1.23	180.3	3.8	0.96	133	27
LUBBOCK, TX (IRR)	0.82	1.00	23.0	8.1	1.20	171.0	4.6	0.93	171	13
LAMESA, TX (DRY)	0.78	0.95	24.2	8.9	1.14	175.6	4.4	0.93	179	21

INDIVIDUAL LOCATION DATA

LOCATION: LUBBOCK, TX (IRR)

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES OIL (%)	SEED PROPERTIES N (%)	GOSSYPOL DATA PLUS	GOSSYPOL DATA MINUS	GOSSYPOL DATA FREE (%)
ST 5458B2RF	887	1337	36.9	10.3	4.95	20.64	3.43	0.72	0.47	1.18
AT Epic RF	800	1239	38.6	9.8	5.02	19.44	3.84	0.65	0.44	1.09
Phytogen 725RF	780	1625	35.6	11.0	5.50	20.88	3.51	0.55	0.41	0.96
DP 0912B2RF	728	1098	37.9	10.0	4.91	20.29	3.48	0.64	0.45	1.09
FM 9058F	698	1369	35.3	10.6	5.15	19.85	3.31	0.41	0.45	0.86
NG 3348B2F	612	1345	35.7	11.1	5.57	20.95	3.28	0.70	0.43	1.13
FM 9180B2F	608	1212	34.1	11.2	5.29	21.05	3.24	0.54	0.46	1.00
DP 1044B2RF	596	930	35.1	8.9	4.23	18.85	3.34	0.60	0.39	0.99

PHY 375WRF	581	1060	37.7	10.0	4.84	19.71	3.57	0.59	0.47	1.05
LSD	240	531	2.0	0.8	0.77	1.50	0.27	0.08	0.07	0.15

	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)
ST 5458B2RF	4.82	0.87	1.155	81.8	10.5	31.7	7.4	79.8	7.7	6.53	46.73
AT Epic RF	4.58	0.85	1.128	80.6	10.5	29.2	8.9	78.8	7.7	8.05	42.84
Phytogen 725RF	4.22	0.85	1.155	79.2	12.1	35.7	7.7	79.8	7.6	8.12	47.82
DP 0912B2RF	5.07	0.88	1.120	82.0	10.1	30.3	7.3	81.1	7.5	5.81	52.58
FM 9058F	4.33	0.86	1.175	81.2	10.4	30.2	6.3	81.4	6.9	5.61	51.33
NG 3348B2F	4.43	0.86	1.141	82.2	9.6	30.1	7.0	78.8	7.8	6.69	45.31
FM 9180B2F	4.23	0.86	1.190	82.5	9.7	32.0	6.3	82.1	6.8	5.56	49.70
DP 1044B2RF	4.04	0.84	1.150	81.0	11.1	30.7	8.9	82.3	7.3	8.21	48.98
PHY 375WRF	4.43	0.86	1.125	81.3	11.2	29.0	6.8	80.4	7.6	6.16	49.64
LSD	0.33	0.01	0.046	2.1	2.1	2.8	0.6	2.4	0.6	1.88	4.01

	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 (5m)	SCN (5m)
ST 5458B2RF	0.83	1.00	22.5	7.7	1.21	178.0	3.8	0.95	131	11
AT Epic RF	0.79	0.96	24.0	8.8	1.16	171.0	5.0	0.90	180	16
Phytogen 725RF	0.73	0.94	33.0	13.3	1.20	159.0	5.9	0.91	222	26
DP 0912B2RF	0.87	1.02	17.5	5.8	1.20	191.0	2.8	0.97	122	11
FM 9058F	0.83	1.02	23.0	7.8	1.23	162.7	4.7	0.93	177	11
NG 3348B2F	0.82	0.99	22.0	7.8	1.18	170.9	5.0	0.92	162	14
FM 9180B2F	0.88	1.06	19.0	6.1	1.26	166.7	4.3	0.94	175	10
DP 1044B2RF	0.82	1.00	24.0	8.5	1.22	170.2	5.3	0.90	203	8
PHY 375WRF	0.82	1.00	22.0	7.6	1.19	169.2	4.5	0.93	166	15
LSD	0.04	0.04	2.4	1.1	0.04	9.0	0.9	0.03	67	10

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 (%)
ST 5458B2RF	887	1337	36.9	10.3	4.95	20.96	3.77	0.63	0.37	0.99
AT Epic RF	800	1239	38.6	9.8	5.02	18.12	3.79	0.59	0.35	0.94
Phytogen 725RF	780	1625	35.6	11.0	5.50	20.11	4.29	0.36	0.24	0.60
DP 0912B2RF	728	1098	37.9	10.0	4.91	18.53	3.77	0.55	0.35	0.89
FM 9058F	698	1369	35.3	10.6	5.15	19.66	3.83	0.34	0.34	0.68
NG 3348B2F	612	1345	35.7	11.1	5.57	21.38	3.94	0.62	0.32	0.94
FM 9180B2F	608	1212	34.1	11.2	5.29	20.29	3.76	0.49	0.35	0.83
DP 1044B2RF	596	930	35.1	8.9	4.23	19.12	3.74	0.68	0.34	1.02
PHY 375WRF	581	1060	37.7	10.0	4.84	19.04	3.85	0.53	0.39	0.92
LSD	240	531	2.0	0.8	0.77	0.91	0.28	0.07	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)
ST 5458B2RF	4.83	0.87	1.092	80.0	13.6	30.0	7.5	75.1	8.5	8.43	44.86
AT Epic RF	4.87	0.86	1.065	80.4	12.6	29.1	8.7	77.1	8.6	8.30	47.02
Phytogen 725RF	4.26	0.85	1.179	80.7	11.1	34.7	7.9	76.7	8.3	6.82	46.98
DP 0912B2RF	4.92	0.87	1.057	79.4	12.9	28.7	7.9	76.7	8.3	8.26	53.57
FM 9058F	4.66	0.87	1.114	79.2	13.1	30.0	6.5	78.8	7.7	7.12	48.18
NG 3348B2F	4.58	0.87	1.043	78.5	14.1	27.6	6.8	74.8	8.7	8.11	47.28
FM 9180B2F	4.37	0.86	1.111	80.8	11.6	31.8	6.6	78.9	7.3	6.94	46.76
DP 1044B2RF	4.52	0.85	1.120	81.7	10.4	30.2	8.5	77.6	8.0	7.56	43.65
PHY 375WRF	4.57	0.86	1.057	80.8	13.0	27.4	7.3	77.0	8.5	7.58	51.50
LSD	0.36	0.01	0.036	2.0	1.7	2.3	0.6	2.1	0.6	1.27	8.03

	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 (5m)	SCN (5m)
ST 5458B2RF	0.78	0.96	24.5	8.9	1.15	184.0	4.1	0.96	158	17
AT Epic RF	0.77	0.92	23.0	8.4	1.11	181.7	4.3	0.92	208	19
Phytogen 725RF	0.86	1.03	20.0	6.7	1.24	168.0	4.0	0.95	171	32
DP 0912B2RF	0.75	0.91	24.5	9.4	1.10	183.5	4.0	0.95	152	16
FM 9058F	0.78	0.96	26.0	9.3	1.18	171.7	4.6	0.95	190	19
NG 3348B2F	0.75	0.91	24.0	9.5	1.10	176.0	4.6	0.93	167	21
FM 9180B2F	0.81	0.98	23.0	8.2	1.19	165.9	4.7	0.93	183	22
DP 1044B2RF	0.76	0.94	26.5	9.9	1.14	176.7	5.3	0.90	192	18
PHY 375WRF	0.76	0.92	26.0	9.8	1.11	173.4	4.4	0.93	194	23
LSD	0.05	0.06	3.6	2.2	0.06	7.1	0.8	0.02	75	6

LOCATION=FORT COBB, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DP 0912B2RF	1640	2371	41.8	10.8	5.55	21.22	3.43	0.70	0.49	1.18
ST 5458B2RF	1584	2226	41.2	11.2	5.89	22.55	3.45	0.73	0.47	1.19
DP 1044B2RF	1573	2311	42.4	10.5	4.91	20.85	3.61	0.73	0.45	1.18
AT Epic RF	1423	2079	42.2	11.1	5.39	20.36	3.35	0.79	0.58	1.37
PHY 375WRF	1325	1795	42.8	10.9	5.44	20.19	3.71	0.66	0.51	1.17
NG 3348B2F	1241	2045	39.2	12.6	5.85	22.61	3.28	0.76	0.46	1.22
FM 9058F	1146	1951	40.0	12.5	5.07	21.01	3.34	0.45	0.46	0.91
FM 9180B2F	1115	1847	39.5	12.2	5.95	21.56	3.57	0.51	0.41	0.92
Phytogen 725RF	960	1646	39.3	11.9	5.29	20.95	3.78	0.56	0.40	0.95
LSD	266	512	2.0	1.4	0.62	1.98	0.40	0.13	0.11	0.23

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
DP 0912B2RF	5.24	0.88	1.154	85.2	7.9	33.7	7.5	72.4	7.0	12.5	51.56
ST 5458B2RF	5.32	0.88	1.135	83.4	10.4	33.0	7.1	73.0	7.5	12.5	46.28
DP 1044B2RF	5.19	0.87	1.163	83.4	9.1	32.6	7.9	73.6	7.2	13.1	49.65
AT Epic RF	4.58	0.86	1.232	86.4	7.0	32.9	8.1	76.9	8.2	10.8	53.47
PHY 375WRF	4.81	0.87	1.190	84.7	8.8	32.8	7.0	73.4	6.8	12.3	52.92
NG 3348B2F	4.36	0.87	1.170	84.9	8.5	33.0	6.4	71.7	7.5	14.5	51.90
FM 9058F	4.56	0.87	1.278	85.6	7.0	36.9	6.0	76.0	6.5	11.3	60.34
FM 9180B2F	5.04	0.88	1.139	83.8	8.7	36.0	6.6	73.2	6.1	11.7	54.00
Phytogen 725RF	4.50	0.86	1.258	86.5	6.3	39.3	7.6	73.4	8.2	13.4	62.32
LSD	0.71	0.02	0.074	3.4	3.5	4.1	0.5	1.6	0.6	3.89	8.97

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 (5m)	SCN (5m)
DP 0912B2RF	0.88	1.02	16.5	5.3	1.20	195.0	2.7	1.00	106	22
ST 5458B2RF	0.82	1.00	23.5	8.1	1.20	188.7	3.5	0.98	118	22

DP 1044B2RF	0.83	0.99	21.5	7.3	1.18	189.5	4.0	0.96	116	27
AT Epic RF	0.87	1.04	21.0	7.0	1.24	176.2	4.7	0.92	151	16
PHY 375WRF	0.84	1.01	21.5	7.3	1.21	177.5	3.7	0.95	128	13
NG 3348B2F	0.84	1.02	22.5	7.6	1.23	171.5	4.9	0.94	153	34
FM 9058F	0.89	1.08	20.5	6.4	1.30	172.9	3.9	0.97	127	30
FM 9180B2F	0.87	1.03	18.5	5.9	1.21	181.5	3.3	0.99	111	29
Phytogen 725RF	0.91	1.08	18.5	5.7	1.29	169.8	3.9	0.96	192	48
LSD	0.06	0.07	4.1	1.7	0.08	15.0	1.3	0.04	50	15

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

 Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics & Production Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 CENTRAL REGIONAL COTTON VARIETY TEST

----------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 (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
PHY 499WRF	1701	2115	44.5	9.9	5.15	20.04	3.53	0.70	0.41	1.11
AMERICOT 1550B2RF	1588	2267	41.8	9.9	5.17	18.30	3.42	0.74	0.48	1.22
FM 1740B2F	1575	2242	41.6	10.5	5.43	19.94	3.57	0.51	0.39	0.90
PHY 375WRF	1524	2102	41.9	9.5	5.20	20.49	3.67	0.67	0.48	1.15
DP 0912B2RF	1504	2223	40.2	9.7	5.16	19.26	3.35	0.65	0.44	1.09
DP 1044B2RF	1442	2162	40.2	9.5	4.73	19.83	3.36	0.66	0.36	1.02
AT Epic RF	1433	1963	41.9	9.9	5.42	19.09	3.62	0.67	0.44	1.11
FM 9058F	1252	2167	36.1	11.8	6.35	21.93	3.44	0.41	0.45	0.86

NG 3348B2F	1131	2102	35.0	.	.	.	.	.	.	.
Phytogen 725RF	1065	1774	37.4	10.7	5.44	21.03	3.58	0.51	0.36	0.86
FM 9180B2F	879	1631	34.9	.	.	.	.	.	.	.
ST 5488B2F	755	1618	31.8	.	.	.	.	.	.	.

	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)
PHY 499WRF	4.71	0.87	1.103	83.9	7.8	30.1	7.1	75.3	7.8	10.7	47.32
AMERICOT 1550B2RF	4.40	0.86	1.082	82.4	9.4	26.7	6.3	75.6	7.9	13.9	45.87
FM 1740B2F	4.32	0.87	1.093	82.5	9.0	28.6	5.9	78.0	7.2	8.61	48.25
PHY 375WRF	4.25	0.86	1.084	82.5	8.6	27.5	5.8	75.4	7.4	10.3	46.85
DP 0912B2RF	4.76	0.87	1.082	83.2	8.3	27.7	6.6	75.9	7.5	9.28	47.93
DP 1044B2RF	4.43	0.86	1.083	82.2	8.8	28.2	6.9	76.8	7.7	10.0	46.69
AT Epic RF	4.55	0.86	1.097	83.2	8.2	28.0	7.0	75.7	8.5	8.93	47.58
FM 9058F	4.15	0.87	1.231	84.4	7.4	32.0	5.1	77.2	6.3	12.5	60.45
NG 3348B2F	.	.	.	.	.	.	.	.	.	.	.
Phytogen 725RF	4.22	0.86	1.182	84.1	6.8	33.6	6.4	74.3	8.0	9.85	54.89
FM 9180B2F	.	.	.	.	.	.	.	.	.	.	.
ST 5488B2F	.	.	.	.	.	.	.	.	.	.	.

	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 (5m)	SCN (5m)
PHY 499WRF	0.89	1.02	15.2	4.9	1.18	182.1	3.0	0.97	95	19
AMERICOT 1550B2RF	0.87	1.00	16.0	5.4	1.16	176.7	3.5	0.95	99	11
FM 1740B2F	0.86	1.01	17.7	6.1	1.19	168.1	4.1	0.95	99	13
PHY 375WRF	0.84	1.00	18.7	6.3	1.17	167.9	4.0	0.94	113	17
DP 0912B2RF	0.86	0.99	16.7	5.5	1.15	182.8	3.2	0.97	88	14
DP 1044B2RF	0.85	0.99	18.2	6.1	1.17	175.8	3.9	0.94	106	13
AT Epic RF	0.87	1.01	16.5	5.5	1.17	176.1	3.7	0.94	114	13
FM 9058F	0.96	1.14	17.5	5.1	1.35	165.7	4.0	0.97	134	30
NG 3348B2F	.	.	.	.	.	.	.	.	.	.
Phytogen 725RF	0.92	1.08	15.2	4.8	1.26	168.3	3.1	0.98	137	24
FM 9180B2F	.	.	.	.	.	.	.	.	.	.
ST 5488B2F	.	.	.	.	.	.	.	.	.	.

REGIONAL SUMMARY BY LOCATION COMBINING ALL VARIETIES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	MINUS	FREE (%)
WESLACO, TX	2330	3218	41.9	10.3	5.87	21.33	3.31	0.75	0.51	1.26
COLLEGE STATION, TX	1913	2807	40.4	10.6	5.76	20.11	3.22	0.66	0.49	1.16
CHILLICOTHE, TX	925	1577	36.9	.	.	.	.	.	.	.
NEUCES COUNTY, TX	541	724	42.5	9.1	4.08	18.03	4.04	0.48	0.24	0.72

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	YT (mN/TEX)
WESLACO, TX	4.71	0.87	1.145	83.9	7.3	29.6	6.7	76.3	7.2	10.2	49.02
COLLEGE STATION, TX	4.39	0.86	1.186	83.9	7.3	30.9	6.3	76.3	6.9	13.3	51.53
CHILLICOTHE, TX	.	.	.	.	.	.	.	.	.	.	.
NEUCES COUNTY, TX	4.23	0.86	0.977	81.3	10.4	26.0	6.3	75.2	9.1	7.00	45.08

VARIETY	AFIS PROPERTIES: L(N) (IN.)	L (W) (IN.)	SFC(N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (5m)	SCN (5m)
WESLACO, TX	0.90	1.05	16.1	5.0	1.22	179.3	3.2	0.97	108	17
COLLEGE STATION, TX	0.93	1.09	16.1	4.9	1.28	173.7	3.5	0.96	120	22
CHILLICOTHE, TX	.	.	.	.	.	.	.	.	.	.
NEUCES COUNTY, TX	0.79	0.91	18.3	6.8	1.05	170.1	3.9	0.93	92	9

INDIVIDUAL LOCATION DATA

LOCATION: CHILLICOTHE, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	MINUS	FREE (%)
NG 3348B2F	1131	2102	35.0	.	.	.	.	.	.	.

PHY 499WRF	1120	1496	42.7	.	.	.	.	.	.	.
DP 0912B2RF	1100	1839	37.4	.	.	.	.	.	.	.
DP 1044B2RF	1086	1603	40.3	.	.	.	.	.	.	.
PHY 375WRF	929	1423	39.5	.	.	.	.	.	.	.
FM 9180B2F	879	1631	34.9	.	.	.	.	.	.	.
FM 9058F	864	1658	34.2	.	.	.	.	.	.	.
AT Epic RF	811	1328	38.0	.	.	.	.	.	.	.
ST 5488B2F	755	1618	31.8	.	.	.	.	.	.	.
Phytogen 725RF	574	1073	34.7	.	.	.	.	.	.	.
LSD	183	302	1.8	.	.	.	.	.	.	.

	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)
NG 3348B2F	.	.	.	.	.	.	.	.	.	.	.
PHY 499WRF	.	.	.	.	.	.	.	.	.	.	.
DP 0912B2RF	.	.	.	.	.	.	.	.	.	.	.
DP 1044B2RF	.	.	.	.	.	.	.	.	.	.	.
PHY 375WRF	.	.	.	.	.	.	.	.	.	.	.
FM 9180B2F	.	.	.	.	.	.	.	.	.	.	.
FM 9058F	.	.	.	.	.	.	.	.	.	.	.
AT Epic RF	.	.	.	.	.	.	.	.	.	.	.
ST 5488B2F	.	.	.	.	.	.	.	.	.	.	.
Phytogen 725RF	.	.	.	.	.	.	.	.	.	.	.
LSD	.	.	.	.	.	.	.	.	.	.	.

	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 (5m)	SCN (5m)
NG 3348B2F	.	.	.	.	.	.	.	.	.	.
PHY 499WRF	.	.	.	.	.	.	.	.	.	.
DP 0912B2RF	.	.	.	.	.	.	.	.	.	.
DP 1044B2RF	.	.	.	.	.	.	.	.	.	.
PHY 375WRF	.	.	.	.	.	.	.	.	.	.
FM 9180B2F	.	.	.	.	.	.	.	.	.	.
FM 9058F	.	.	.	.	.	.	.	.	.	.
AT Epic RF	.	.	.	.	.	.	.	.	.	.
ST 5488B2F	.	.	.	.	.	.	.	.	.	.
Phytogen 725RF	.	.	.	.	.	.	.	.	.	.
LSD	.	.	.	.	.	.	.	.	.	.

LOCATION: COLLEGE STATION, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
PHY 499WRF	2229	2781	44.5	9.9	5.89	20.50	3.25	0.76	0.49	1.24
PHY 375WRF	2140	2983	41.8	10.2	5.49	20.68	3.32	0.72	0.56	1.28
DP 0912B2RF	2064	3047	40.4	11.0	5.65	19.12	2.99	0.71	0.54	1.25
FM 1740B2F	2030	2971	40.6	11.0	5.89	20.28	3.31	0.55	0.45	0.99
AMERICOT 1550B2RF	1923	2862	40.3	10.3	5.65	18.26	3.11	0.86	0.61	1.47
AT Epic RF	1902	2690	41.4	10.7	5.97	19.27	3.35	0.75	0.54	1.29
DP 1044B2RF	1866	2896	39.2	9.0	4.82	19.28	3.04	0.66	0.40	1.06
FM 9058F	1640	2677	38.0	11.8	6.35	21.93	3.44	0.41	0.45	0.86
Phytogen 725RF	1427	2362	37.7	11.7	6.13	21.68	3.17	0.54	0.42	0.96
LSD	189	303	0.8	1.5	0.68	1.41	0.45	0.08	0.08	0.15

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
PHY 499WRF	4.79	0.87	1.177	84.3	7.2	31.9	6.5	74.4	7.0	15.5	49.69
PHY 375WRF	4.18	0.86	1.164	83.3	7.6	30.3	6.2	76.8	6.8	10.9	48.32
DP 0912B2RF	4.83	0.88	1.154	84.1	7.2	29.4	6.6	76.5	6.9	10.5	46.97
FM 1740B2F	4.41	0.87	1.162	82.8	8.3	32.4	6.2	78.9	6.6	9.50	51.31
AMERICOT 1550B2RF	4.20	0.86	1.161	84.2	7.6	28.1	6.6	76.0	6.8	25.6	49.33
AT Epic RF	4.56	0.87	1.192	84.5	7.2	30.3	6.9	76.3	7.9	11.7	53.45
DP 1044B2RF	4.09	0.85	1.160	82.7	8.0	29.9	6.9	76.4	6.9	10.8	52.89
FM 9058F	4.15	0.87	1.231	84.4	7.4	32.0	5.1	77.2	6.3	12.5	60.45
Phytogen 725RF	4.35	0.87	1.278	85.1	5.9	34.3	6.0	74.5	7.4	12.7	51.38
LSD	0.46	0.01	0.043	1.3	1.0	1.8	0.5	3.9	0.6	16.4	10.92

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 (5m)	SCN (5m)
PHY 499WRF	0.96	1.10	14.0	4.2	1.28	183.0	2.7	0.99	107	25
PHY 375WRF	0.91	1.08	16.5	5.1	1.27	169.5	3.8	0.95	131	24
DP 0912B2RF	0.89	1.05	17.5	5.4	1.23	182.7	3.2	0.97	90	18
FM 1740B2F	0.93	1.09	16.5	5.1	1.28	170.9	3.7	0.96	94	15

AMERICOT 1550B2RF	0.92	1.06	15.0	4.7	1.25	174.5	3.7	0.94	119	16
AT Epic RF	0.92	1.08	16.5	5.1	1.27	175.5	3.8	0.95	121	19
DP 1044B2RF	0.88	1.04	18.0	5.8	1.23	170.2	4.3	0.93	135	16
FM 9058F	0.96	1.14	17.5	5.1	1.35	165.7	4.0	0.97	134	30
Phytogen 725RF	0.99	1.15	13.5	3.7	1.35	171.2	2.8	0.99	155	35
LSD	0.04	0.03	2.0	0.9	0.04	7.7	0.8	0.02	44	13

LOCATION: WESLACO, 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 (%)
PHY 499WRF	2824	3424	45.2	10.3	5.60	21.00	3.38	0.79	0.48	1.27
AT Epic RF	2439	3101	44.0	10.2	6.05	21.60	3.24	0.79	0.56	1.35
DP 0912B2RF	2348	3290	41.6	10.0	5.73	21.17	3.22	0.76	0.53	1.29
PHY 375WRF	2342	3099	43.0	9.9	5.93	21.50	3.56	0.81	0.60	1.40
DP 1044B2RF	2336	3455	40.3	9.7	5.37	20.98	3.14	0.76	0.46	1.21
AMERICOT 1550B2RF	2234	3159	41.4	9.9	5.76	19.46	3.19	0.86	0.57	1.43
FM 1740B2F	2204	3090	41.6	11.1	6.27	22.16	3.39	0.61	0.47	1.07
Phytogen 725RF	1914	3123	38.0	10.9	6.29	22.78	3.37	0.63	0.45	1.08
LSD	240	317	0.5	0.9	0.59	1.61	0.28	0.05	0.04	0.09

	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)
PHY 499WRF	4.86	0.87	1.141	84.7	7.4	30.7	7.3	76.1	7.2	10.4	47.04
AT Epic RF	4.84	0.87	1.141	83.6	7.1	28.5	7.2	76.2	7.7	8.90	44.71
DP 0912B2RF	4.92	0.87	1.139	85.1	6.8	28.5	7.0	76.3	6.9	9.67	52.56
PHY 375WRF	4.51	0.87	1.117	83.5	7.7	28.4	5.8	74.4	6.6	12.3	46.80
DP 1044B2RF	4.87	0.87	1.126	83.1	7.7	29.1	7.2	78.1	7.3	10.9	43.73
AMERICOT 1550B2RF	4.63	0.87	1.136	83.0	7.9	28.5	6.5	75.9	7.5	9.57	51.18
FM 1740B2F	4.65	0.87	1.143	83.8	7.7	28.9	6.3	78.3	6.7	9.06	48.31
Phytogen 725RF	4.40	0.86	1.215	84.4	6.4	34.4	6.6	74.8	7.5	10.8	57.84
LSD	0.21	.	0.039	1.1	0.9	2.7	0.4	2.4	0.5	2.47	8.71

	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 (5m)	SCN (5m)

PHY 499WRF	0.91	1.05	15.0	4.6	1.21	184.8	2.9	0.99	92	20
AT Epic RF	0.90	1.04	16.0	5.0	1.21	181.4	3.2	0.96	135	15
DP 0912B2RF	0.90	1.03	15.0	4.7	1.19	187.7	2.9	0.98	84	14
PHY 375WRF	0.86	1.03	18.5	6.1	1.21	173.5	3.8	0.96	111	19
DP 1044B2RF	0.90	1.04	16.5	5.1	1.22	183.7	3.2	0.96	87	13
AMERICOT 1550B2RF	0.91	1.05	15.5	4.8	1.22	181.0	3.1	0.97	93	12
FM 1740B2F	0.89	1.05	17.5	5.7	1.23	170.7	4.1	0.96	129	17
Phytogen 725RF	0.95	1.11	14.5	4.3	1.31	171.9	2.7	1.00	133	25
LSD	0.04	0.03	3.6	1.2	0.03	8.6	0.7	0.02	73	16

LOCATION: NEUCES COUNTY, 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 (%)
PHY 375WRF	687	904	43.2	8.3	4.19	19.30	4.14	0.50	0.28	0.77
PHY 499WRF	633	760	45.4	9.4	3.95	18.62	3.97	0.55	0.27	0.81
AMERICOT 1550B2RF	607	781	43.7	9.5	4.09	17.19	3.98	0.51	0.25	0.76
AT Epic RF	581	732	44.2	8.8	4.25	16.39	4.28	0.48	0.23	0.70
DP 0912B2RF	506	715	41.4	8.2	4.11	17.50	3.85	0.48	0.25	0.73
FM 1740B2F	490	664	42.5	9.4	4.15	17.37	4.00	0.39	0.25	0.64
DP 1044B2RF	480	695	40.9	9.7	3.99	19.22	3.89	0.57	0.23	0.80
Phytogen 725RF	344	538	39.1	9.5	3.90	18.64	4.20	0.35	0.20	0.55
LSD	121	162	0.7	0.9	0.57	0.93	0.35	0.04	0.02	0.06

	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)
PHY 375WRF	4.07	0.86	0.970	80.8	10.5	24.0	5.4	74.9	8.9	7.67	45.44
PHY 499WRF	4.48	0.86	0.992	82.8	8.8	27.6	7.7	75.5	9.3	6.24	45.23
AMERICOT 1550B2RF	4.37	0.87	0.950	80.1	12.7	23.6	5.7	74.8	9.5	6.39	37.10
AT Epic RF	4.26	0.86	0.958	81.5	10.4	25.4	7.0	74.6	10.0	6.17	44.57
DP 0912B2RF	4.53	0.87	0.953	80.6	11.1	25.2	6.2	75.0	8.9	7.64	44.28
FM 1740B2F	3.92	0.86	0.975	80.9	11.0	24.7	5.3	76.8	8.4	7.28	45.14
DP 1044B2RF	4.34	0.86	0.963	80.9	10.9	25.8	6.7	76.1	8.9	8.44	43.46
Phytogen 725RF	3.91	0.85	1.054	83.0	8.3	32.1	6.7	73.8	9.2	6.14	55.45
LSD	0.40	0.01	0.022	1.3	1.2	1.6	0.4	0.5	0.8	4.41	8.79

	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 (5m)	SCN (5m)
PHY 375WRF	0.76	0.90	21.0	7.8	1.04	160.8	4.4	0.93	97	9
PHY 499WRF	0.81	0.92	16.5	6.0	1.07	178.5	3.3	0.95	86	13
AMERICOT 1550B2RF	0.78	0.89	17.5	6.7	1.03	174.5	3.7	0.94	85	6
AT Epic RF	0.78	0.90	17.0	6.4	1.02	171.4	4.1	0.92	86	7
DP 0912B2RF	0.79	0.90	17.5	6.6	1.03	178.0	3.5	0.95	89	10
FM 1740B2F	0.78	0.91	19.0	7.4	1.05	162.7	4.5	0.93	73	7
DP 1044B2RF	0.77	0.90	20.0	7.5	1.05	173.5	4.2	0.92	97	10
Phytogen 725RF	0.83	0.97	17.5	6.4	1.13	161.9	3.8	0.95	124	14
LSD	0.03	0.04	2.8	1.4	0.04	7.1	0.7	0.02	39	7

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit

National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776
(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 EASTERN REGIONAL COTTON VARIETY TEST

---------- EASTERN REGION----------
SUMMARY BY VARIETIES COMBINING ALL LOCATIONS

						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 (%)
PHY 499WRF	1719	2618	41.6	9.5	4.89	19.94	3.60	0.78	0.51	1.28
DG 2610B2RF	1589	2611	40.5	9.3	5.01	15.86	3.97	0.74	0.50	1.24
PX 433906WRF	1587	2686	39.8	9.4	4.82	20.09	3.45	0.84	0.57	1.41
AM 1511B2RF	1570	2489	41.3	9.6	5.11	19.35	3.53	0.82	0.61	1.43
DP 1137B2RF	1554	2560	40.8	9.4	5.16	15.61	3.79	0.71	0.50	1.21
DP 1050B2RF	1554	2470	41.4	9.1	5.10	16.03	3.82	0.74	0.51	1.25
PHY 565WRF	1545	2695	39.3	9.4	4.76	20.15	3.57	0.75	0.57	1.32
DP 1048B2RF	1543	2513	40.7	9.2	4.83	15.84	3.97	0.74	0.51	1.24
DP 1252B2RF	1529	2402	42.4	9.1	4.95	15.49	3.93	0.69	0.49	1.17
FM 1944GLB2	1493	2662	38.1	10.2	5.34	18.06	3.33	0.57	0.54	1.11
PHY 375WRF	1492	2533	39.9	9.5	4.62	19.72	3.74	0.77	0.57	1.34
DG 2530B2RF	1474	2560	40.0	9.4	4.96	15.53	3.89	0.67	0.49	1.16
PX 532211WRF	1471	2635	37.9	9.5	4.77	21.19	3.48	0.53	0.50	1.03
DP 0912B2RF	1464	2526	38.8	9.8	4.93	18.71	3.37	0.75	0.52	1.27
AMERICOT 1550B2RF	1387	2519	38.8	10.0	5.04	19.69	3.65	0.84	0.60	1.43
UA 222	1184	2251	37.7	10.6	5.05	20.27	3.47	0.70	0.47	1.17
FM 9058F	1136	2266	37.4	10.4	5.33	20.38	3.53	0.49	0.47	0.96
Phytogen 725RF	973	2770	33.5	10.4	5.23	20.47	3.70	0.59	0.44	1.03

LSD	153	465	1.5	0.7	0.34	0.82	0.18	0.05	0.04	0.09

	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)
PHY 499WRF	4.80	0.86	1.164	84.5	7.8	31.1	8.9	75.8	7.1	9.38	50.63
DG 2610B2RF	4.42	0.85	1.201	84.5	8.0	28.4	8.5	78.0	7.6	8.28	46.66
PX 433906WRF	4.36	0.85	1.210	84.3	7.9	30.2	7.9	77.2	6.5	10.8	50.70
AM 1511B2RF	4.69	0.85	1.165	83.7	7.8	29.8	8.9	76.3	7.5	10.0	47.48
DP 1137B2RF	4.65	0.85	1.163	84.4	8.0	28.0	8.5	77.5	7.6	9.55	46.72
DP 1050B2RF	4.52	0.85	1.196	84.4	8.1	28.0	8.6	77.8	7.6	8.57	46.56
PHY 565WRF	4.38	0.85	1.159	83.2	8.8	28.4	7.8	76.4	7.2	9.48	47.17
DP 1048B2RF	4.52	0.85	1.194	84.1	8.3	28.0	8.4	78.0	7.5	8.69	48.04
DP 1252B2RF	4.80	0.85	1.166	84.0	8.2	28.7	8.9	78.1	7.6	8.63	48.13
FM 1944GLB2	4.57	0.87	1.222	83.8	8.4	32.6	6.8	78.8	6.3	8.53	50.96
PHY 375WRF	4.41	0.85	1.148	83.3	8.4	28.3	7.7	77.2	7.2	10.6	48.75
DG 2530B2RF	4.65	0.86	1.217	84.9	7.6	31.0	8.1	77.4	7.3	8.42	47.85
PX 532211WRF	4.17	0.85	1.250	84.3	7.5	29.1	8.1	77.8	6.9	8.60	49.07
DP 0912B2RF	4.90	0.86	1.129	83.8	8.4	29.1	8.3	76.4	7.2	9.66	48.99
AMERICOT 1550B2RF	4.52	0.85	1.137	83.2	9.3	27.3	8.0	76.3	7.9	8.99	44.35
UA 222	4.41	0.85	1.256	84.4	7.2	30.1	8.7	75.8	6.9	11.6	49.20
FM 9058F	4.34	0.86	1.216	83.4	8.5	31.6	6.5	77.8	6.8	9.78	48.77
Phytogen 725RF	4.28	0.85	1.238	84.1	7.4	33.9	7.9	73.8	7.7	10.4	53.77
LSD	0.21	0.01	0.023	0.8	0.7	1.0	0.4	1.4	0.3	1.73	3.76

	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 (5m)	SCN (5m)
PHY 499WRF	0.88	1.04	17.5	5.6	1.22	181.2	3.8	0.93	105	12
DG 2610B2RF	0.92	1.07	16.5	5.3	1.26	173.2	4.6	0.89	118	11
PX 433906WRF	0.90	1.06	17.8	5.8	1.26	169.3	4.6	0.91	118	12
AM 1511B2RF	0.89	1.03	16.4	5.4	1.21	177.5	4.0	0.92	104	10
DP 1137B2RF	0.90	1.04	15.8	5.1	1.22	178.8	4.2	0.91	97	10
DP 1050B2RF	0.90	1.06	16.6	5.4	1.24	175.8	4.5	0.90	117	12
PHY 565WRF	0.86	1.02	19.5	6.7	1.21	172.6	4.5	0.91	109	10
DP 1048B2RF	0.91	1.06	16.7	5.4	1.25	173.5	4.6	0.90	108	9
DP 1252B2RF	0.91	1.05	15.3	4.9	1.22	180.6	3.9	0.91	106	11
FM 1944GLB2	0.91	1.08	18.6	6.0	1.29	172.8	3.9	0.95	104	11
PHY 375WRF	0.84	1.00	19.9	6.7	1.19	172.6	4.6	0.92	119	13
DG 2530B2RF	0.94	1.09	14.8	4.6	1.27	180.5	3.5	0.93	91	11
PX 532211WRF	0.91	1.09	18.9	6.1	1.30	165.1	4.9	0.90	124	9
DP 0912B2RF	0.86	1.00	17.3	5.8	1.18	185.6	3.7	0.94	105	10

AMERICOT 1550B2RF	0.85	1.01	19.0	6.4	1.19	180.7	4.2	0.91	105	9
UA 222	0.90	1.08	20.3	6.5	1.30	172.0	4.6	0.92	120	16
FM 9058F	0.89	1.07	19.4	6.3	1.29	167.4	4.3	0.94	109	8
Phytogen 725RF	0.91	1.08	17.0	5.5	1.29	165.1	3.9	0.94	130	16
LSD	0.03	0.03	1.9	0.8	0.03	5.3	0.5	0.01	18	4

REGIONAL SUMARY BY LOCATION COMBINING ALL VARIETIES

						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 (%)
FLORENCE, SC	1690	5665	22.9	.	.	18.60	3.63	0.71	0.54	1.25
GRIFFIN, GA	1654	2095	44.0	.	.	18.24	3.41	0.71	0.56	1.27
STARKVILLE, MS	1496	2110	41.6	9.9	5.17	18.15	3.78	0.71	0.49	1.20
AUBURN, AL	1361	1728	44.0	9.6	4.67	17.91	3.92	0.65	0.44	1.08
BELLE MINA, AL	1324	1796	42.4	9.5	4.39	19.32	3.34	0.77	0.58	1.35
ROCKY MOUNT, NC	1229	1862	41.8	.	5.74	18.57	3.85	0.69	0.52	1.21

	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)
FLORENCE, SC	4.84	0.87	1.163	83.4	7.9	29.2	7.4	68.1	6.8	14.4	45.34
GRIFFIN, GA	4.58	0.86	1.190	83.9	8.2	29.6	8.2	70.9	6.5	12.8	47.97
STARKVILLE, MS	4.26	0.85	1.232	84.9	7.6	30.5	8.3	83.6	7.1	7.12	52.56
AUBURN, AL	4.27	0.85	1.181	83.1	8.7	29.8	8.6	81.8	8.1	7.85	49.24
BELLE MINA, AL	4.32	0.85	1.209	84.4	7.9	28.3	8.2	80.4	7.7	7.68	48.50
ROCKY MOUNT, NC	4.85	0.86	1.168	84.3	8.2	30.5	8.1	77.2	7.3	6.85	47.66

	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 (5m)	SCN (5m)
FLORENCE, SC	0.88	1.04	18.4	6.0	1.23	181.0	3.3	0.95	119	18
GRIFFIN, GA	0.87	1.03	19.9	6.6	1.23	169.6	5.2	0.90	123	17
STARKVILLE, MS	0.90	1.07	18.4	6.0	1.28	167.6	5.1	0.90	108	9
AUBURN, AL	0.88	1.04	18.4	6.0	1.24	174.3	4.3	0.92	115	6
BELLE MINA, AL	0.91	1.07	16.4	5.2	1.26	175.9	3.9	0.91	110	9

ROCKY MOUNT, NC	0.92	1.05	14.3	4.6	1.22	179.7	3.6	0.94	87	6

INDIVIDUAL LOCATION DATA

LOCATION: AUBURN, AL

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DG 2610B2RF	1590	1931	45.2	9.5	5.21	15.81	4.36	0.73	0.43	1.16
PHY 499WRF	1545	1783	46.4	9.2	4.76	19.61	3.90	0.67	0.42	1.09
PHY 565WRF	1495	1868	44.4	8.8	4.35	19.19	3.68	0.74	0.53	1.27
DP 1050B2RF	1458	1748	45.4	9.5	5.06	16.60	4.20	0.74	0.48	1.22
DP 0912B2RF	1408	1841	43.4	9.8	4.59	16.77	3.63	0.62	0.40	1.02
DP 1048B2RF	1401	1704	45.1	9.2	4.49	16.10	4.37	0.71	0.42	1.13
DP 1137B2RF	1399	1691	45.3	9.5	5.06	15.97	3.83	0.74	0.47	1.21
FM 1944GLB2	1373	1889	42.0	10.4	4.86	18.23	3.46	0.54	0.48	1.02
DP 1252B2RF	1366	1544	46.8	9.6	5.13	16.32	4.46	0.68	0.41	1.09
PX 433906WRF	1343	1728	43.8	9.9	4.37	19.55	3.56	0.75	0.50	1.25
DG 2530B2RF	1324	1679	44.1	9.4	4.72	15.77	4.21	0.60	0.39	0.98
AMERICOT 1550B2RF	1320	1716	43.5	9.8	4.68	19.02	3.87	0.76	0.49	1.25
PHY 375WRF	1314	1638	44.5	8.9	4.09	18.16	4.08	0.67	0.46	1.13
UA 222	1313	1762	42.7	10.1	4.20	18.34	3.83	0.61	0.37	0.98
PX 532211WRF	1293	1770	42.3	9.4	4.30	19.91	3.84	0.46	0.41	0.87
FM 9058F	1199	1638	42.2	10.1	4.68	19.49	3.69	0.47	0.41	0.88
AM 1511B2RF	1191	1452	45.1	9.9	4.84	18.09	3.74	0.66	0.44	1.09
Phytogen 725RF	1163	1722	40.3	10.6	4.76	19.46	3.90	0.54	0.36	0.90
LSD	224	265	1.1	0.8	0.50	0.83	0.42	0.10	0.08	0.18

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
DG 2610B2RF	4.40	0.85	1.197	83.5	8.6	29.4	8.9	81.2	8.1	6.89	45.83
PHY 499WRF	4.65	0.85	1.137	83.9	7.8	31.2	9.8	82.1	8.1	7.83	52.90
PHY 565WRF	4.08	0.85	1.156	83.0	9.2	26.6	7.8	81.8	8.0	7.03	47.47
DP 1050B2RF	4.49	0.85	1.185	83.4	8.5	27.7	8.9	81.6	8.3	6.69	43.69
DP 0912B2RF	4.60	0.86	1.120	82.5	10.1	30.0	8.5	81.8	7.9	6.83	49.97
DP 1048B2RF	4.50	0.85	1.166	83.1	9.1	28.4	9.0	81.8	8.3	7.29	45.12
DP 1137B2RF	4.58	0.85	1.149	83.6	8.7	28.2	8.9	82.0	8.6	7.85	44.70
FM 1944GLB2	4.40	0.86	1.223	82.5	9.6	31.8	7.2	82.9	7.4	6.61	54.40

DP 1252B2RF	5.05	0.86	1.152	83.9	8.1	27.7	9.6	82.0	8.7	6.32	49.13
PX 433906WRF	4.27	0.85	1.221	83.9	7.4	31.3	8.7	83.0	7.7	7.50	54.39
DG 2530B2RF	4.33	0.85	1.219	84.0	7.5	30.6	8.5	82.2	8.2	7.16	49.69
AMERICOT 1550B2RF	4.18	0.85	1.133	83.0	9.8	29.1	8.3	80.2	8.8	8.06	48.66
PHY 375WRF	4.07	0.84	1.137	82.5	8.9	29.1	8.5	82.1	8.0	9.43	50.68
UA 222	3.59	0.83	1.209	81.9	9.5	31.7	9.4	80.9	7.7	11.6	51.82
PX 532211WRF	3.87	0.84	1.198	82.6	9.4	28.9	8.6	82.8	7.6	7.26	47.17
FM 9058F	3.83	0.85	1.204	82.5	9.1	30.5	7.0	84.1	7.5	7.65	45.73
AM 1511B2RF	4.08	0.84	1.228	83.4	7.7	30.3	8.7	81.2	8.1	11.5	46.96
Phytogen 725RF	3.84	0.84	1.231	82.6	8.5	34.8	8.4	79.5	8.2	7.84	58.10
LSD	0.45	0.01	0.058	1.4	1.6	2.1	0.7	1.6	0.8	3.41	9.04

	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 (5m)	SCN (5m)
DG 2610B2RF	0.94	1.08	14.5	4.5	1.26	177.8	3.9	0.91	96	3
PHY 499WRF	0.88	1.02	17.0	5.5	1.19	184.2	3.8	0.94	96	5
PHY 565WRF	0.83	0.99	21.5	7.5	1.19	174.3	4.8	0.91	122	4
DP 1050B2RF	0.92	1.06	15.0	4.8	1.23	182.5	3.8	0.92	116	9
DP 0912B2RF	0.84	0.98	19.0	6.8	1.15	187.2	3.8	0.94	125	8
DP 1048B2RF	0.88	1.03	18.0	6.0	1.22	176.5	4.7	0.90	122	6
DP 1137B2RF	0.88	1.03	17.0	5.5	1.20	183.4	4.3	0.92	114	12
FM 1944GLB2	0.88	1.06	20.0	6.7	1.28	175.0	3.8	0.96	88	6
DP 1252B2RF	0.92	1.04	12.0	4.0	1.20	192.5	2.9	0.94	89	3
PX 433906WRF	0.91	1.07	18.0	5.7	1.27	168.0	4.8	0.91	138	5
DG 2530B2RF	0.93	1.08	15.0	4.6	1.27	182.3	3.5	0.94	100	6
AMERICOT 1550B2RF	0.85	1.00	19.5	6.6	1.19	175.0	4.5	0.90	112	8
PHY 375WRF	0.85	1.02	19.0	6.4	1.20	168.0	4.7	0.91	110	8
UA 222	0.81	1.04	28.0	9.6	1.27	157.7	6.6	0.89	161	9
PX 532211WRF	0.88	1.05	20.5	6.9	1.26	164.5	5.2	0.90	126	5
FM 9058F	0.89	1.07	19.0	6.3	1.29	163.0	4.2	0.93	104	3
AM 1511B2RF	0.92	1.09	17.5	5.5	1.29	171.2	4.2	0.92	122	8
Phytogen 725RF	0.90	1.10	20.5	6.6	1.33	154.5	4.6	0.92	132	9
LSD	0.07	0.06	6.8	2.7	0.05	9.9	1.4	0.03	71	9

LOCATION: FLORENCE, SC

						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 (%)

PHY 499WRF	2095	5404	28.0	.	.	19.63	3.59	0.81	0.57	1.38
DP 1050B2RF	1972	5724	25.6	.	.	16.01	3.51	0.77	0.56	1.33
AM 1511B2RF	1909	5533	25.6	.	.	19.41	3.44	0.83	0.64	1.46
DP 1252B2RF	1898	5944	24.3	.	.	15.40	4.00	0.67	0.50	1.16
DG 2610B2RF	1843	5774	24.2	.	.	16.36	3.90	0.73	0.50	1.23
DP 1048B2RF	1825	5365	25.3	.	.	15.99	4.09	0.71	0.51	1.22
PX 433906WRF	1825	5704	24.3	.	.	20.51	3.41	0.87	0.60	1.47
DP 0912B2RF	1799	5472	24.8	.	.	19.30	3.22	0.77	0.55	1.32
DP 1137B2RF	1749	5694	23.4	.	.	16.38	3.81	0.72	0.53	1.25
PHY 375WRF	1691	5737	22.8	.	.	19.99	3.83	0.76	0.58	1.34
PHY 565WRF	1677	5901	22.1	.	.	20.87	3.67	0.65	0.57	1.22
FM 1944GLB2	1677	5467	23.5	.	.	18.01	3.14	0.59	0.59	1.18
DG 2530B2RF	1665	5893	22.0	.	.	14.56	4.21	0.61	0.45	1.06
PX 532211WRF	1656	5566	22.9	.	.	21.78	3.36	0.74	0.62	1.35
AMERICOT 1550B2RF	1583	5757	21.6	.	.	19.83	3.54	0.83	0.59	1.42
UA 222	1404	5517	20.3	.	.	20.45	3.22	0.75	0.50	1.25
FM 9058F	1167	5711	17.0	.	.	20.17	3.52	0.46	0.45	0.90
Phytogen 725RF	991	5808	14.6	.	.	20.15	3.85	0.57	0.43	1.00
LSD	291	476	3.3	.	.	1.39	0.28	0.20	0.10	0.28

	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)
PHY 499WRF	5.18	0.87	1.120	82.8	8.6	29.4	8.0	64.5	6.9	15.1	49.28
DP 1050B2RF	4.65	0.86	1.180	84.6	7.8	27.8	7.6	71.0	7.1	12.5	41.87
AM 1511B2RF	5.25	0.87	1.126	83.3	7.2	30.5	9.1	68.3	7.4	14.1	49.38
DP 1252B2RF	4.96	0.87	1.125	82.3	8.7	28.0	7.8	68.6	7.2	14.2	43.94
DG 2610B2RF	4.58	0.86	1.177	84.0	7.7	28.2	7.9	70.0	7.0	12.5	47.04
DP 1048B2RF	4.99	0.87	1.169	83.4	7.6	27.5	7.6	70.7	7.3	11.5	47.96
PX 433906WRF	4.61	0.87	1.185	83.4	7.7	29.4	7.0	67.8	5.9	15.4	45.57
DP 0912B2RF	5.35	0.87	1.091	83.0	7.8	28.5	8.5	66.7	6.6	15.5	44.11
DP 1137B2RF	4.83	0.87	1.143	83.8	7.6	28.0	7.4	69.0	7.2	11.0	43.97
PHY 375WRF	4.87	0.87	1.131	83.1	8.0	28.2	7.1	67.5	6.7	18.5	43.90
PHY 565WRF	4.67	0.87	1.128	82.8	8.4	27.8	7.0	66.9	6.4	12.7	43.86
FM 1944GLB2	4.74	0.88	1.214	83.9	8.2	32.3	5.8	72.5	5.7	12.0	46.14
DG 2530B2RF	5.16	0.88	1.205	84.7	7.2	30.0	7.1	67.4	7.0	13.7	41.83
PX 532211WRF	4.68	0.87	1.205	83.2	7.8	29.5	7.5	70.6	6.7	12.6	47.25
AMERICOT 1550B2RF	4.85	0.87	1.098	82.7	8.7	27.0	7.6	66.7	7.3	13.8	35.46
UA 222	4.66	0.86	1.235	84.4	7.0	29.5	7.8	67.4	6.4	20.1	42.48
FM 9058F	4.74	0.88	1.202	82.9	7.9	32.1	6.1	67.9	6.4	15.9	50.82
Phytogen 725RF	4.48	0.86	1.204	82.7	8.1	31.8	7.0	63.3	7.8	17.4	51.32
LSD	0.39	0.01	0.058	1.9	1.8	1.4	0.8	3.8	0.7	6.15	8.72

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 (5m)	SCN (5m)
PHY 499WRF	0.86	1.01	18.5	5.9	1.18	186.2	3.1	0.96	127	24
DP 1050B2RF	0.90	1.06	18.5	6.0	1.25	177.2	4.1	0.91	138	21
AM 1511B2RF	0.89	1.02	15.0	5.0	1.19	184.9	2.7	0.97	93	18
DP 1252B2RF	0.87	1.03	18.5	5.9	1.21	188.2	3.4	0.93	110	23
DG 2610B2RF	0.90	1.06	17.5	5.6	1.25	175.2	3.7	0.91	118	18
DP 1048B2RF	0.91	1.06	16.5	5.2	1.23	179.9	3.2	0.93	98	12
PX 433906WRF	0.90	1.06	17.5	5.6	1.26	173.5	3.6	0.94	117	27
DP 0912B2RF	0.84	0.98	17.0	5.6	1.13	198.0	2.4	1.00	115	13
DP 1137B2RF	0.88	1.03	17.5	5.7	1.21	181.7	3.6	0.92	92	13
PHY 375WRF	0.83	0.99	20.5	6.8	1.17	182.4	3.3	0.96	107	12
PHY 565WRF	0.83	0.99	20.0	7.0	1.17	178.0	3.5	0.95	126	18
FM 1944GLB2	0.89	1.07	20.0	6.6	1.29	178.5	3.2	0.98	134	12
DG 2530B2RF	0.93	1.09	16.0	4.9	1.27	189.5	2.4	0.98	89	16
PX 532211WRF	0.90	1.07	19.5	6.4	1.27	174.0	3.8	0.93	154	10
AMERICOT 1550B2RF	0.80	0.96	22.0	7.6	1.15	187.4	3.5	0.94	115	15
UA 222	0.91	1.10	19.0	5.9	1.31	179.0	3.6	0.95	118	28
FM 9058F	0.90	1.08	19.5	6.2	1.30	174.3	3.4	0.97	118	15
Phytogen 725RF	0.91	1.09	18.0	5.7	1.29	170.3	3.2	0.97	174	34
LSD	0.04	0.04	3.8	1.4	0.05	10.1	1.0	0.04	39	11

LOCATION: ROCKY MOUNT, NC

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA---- PLUS	MINUS	FREE (%)
AM 1511B2RF	1584	2088	43.1	.	5.93	19.42	3.56	0.86	0.68	1.53
PHY 499WRF	1492	1893	44.1	.	5.45	20.67	3.75	0.80	0.51	1.31
PX 433906WRF	1417	1880	42.9	.	5.65	20.85	3.72	0.83	0.56	1.39
PHY 375WRF	1406	1807	43.9	.	5.10	19.44	3.91	0.71	0.54	1.25
PX 532211WRF	1362	2041	40.1	.	5.64	20.74	3.62	0.47	0.48	0.95
DP 1137B2RF	1340	1773	43.0	.	6.07	15.74	4.00	0.72	0.50	1.22
PHY 565WRF	1334	1886	41.5	.	5.19	18.85	3.55	0.75	0.56	1.30
DP 0912B2RF	1267	1829	41.0	.	5.62	18.95	3.53	0.71	0.52	1.23
DG 2610B2RF	1258	1642	43.4	.	5.65	16.54	4.12	0.72	0.52	1.24
DP 1048B2RF	1236	1663	42.6	.	5.77	16.06	3.86	0.72	0.52	1.23
DP 1050B2RF	1198	1532	43.9	.	5.66	16.66	4.28	0.74	0.52	1.25
FM 1944GLB2	1192	1742	40.6	.	6.37	17.94	3.68	0.52	0.52	1.04
DG 2530B2RF	1172	1533	43.3	.	5.46	16.16	4.16	0.67	0.52	1.18
AMERICOT 1550B2RF	1157	1565	42.5	.	5.97	19.73	3.90	0.83	0.61	1.44

DP 1252B2RF	1141	1376	45.3	.	5.64	14.79	4.20	0.66	0.48	1.13
Phytogen 725RF	953	4906	30.2	.	5.88	20.91	4.16	0.58	0.44	1.02
FM 9058F	874	1259	41.0	.	6.21	20.45	3.66	0.45	0.46	0.91
UA 222	742	1106	40.0	.	6.12	20.49	3.75	0.68	0.46	1.14
LSD	244	2279	5.6	.	0.53	1.00	0.47	0.07	0.07	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)
AM 1511B2RF	4.99	0.86	1.143	84.1	7.5	30.9	8.8	76.3	6.8	6.30	44.56
PHY 499WRF	5.13	0.87	1.132	85.1	7.8	31.5	8.7	76.4	7.4	7.71	43.99
PX 433906WRF	4.62	0.86	1.169	85.2	7.7	30.5	8.1	77.2	6.5	7.39	51.70
PHY 375WRF	4.71	0.86	1.124	82.9	8.8	28.7	7.7	76.7	7.5	7.86	44.59
PX 532211WRF	4.32	0.85	1.236	84.5	8.4	29.6	8.1	78.4	6.9	7.11	59.69
DP 1137B2RF	4.81	0.86	1.167	84.9	7.7	29.1	8.2	78.1	7.9	7.01	48.88
PHY 565WRF	4.77	0.86	1.164	84.1	8.6	32.3	8.8	77.4	8.0	6.66	45.87
DP 0912B2RF	5.29	0.88	1.106	83.0	8.4	30.0	8.1	76.8	7.2	7.42	49.30
DG 2610B2RF	4.57	0.86	1.178	84.6	8.3	28.3	8.3	77.6	7.7	5.89	44.56
DP 1048B2RF	4.60	0.85	1.197	85.2	8.1	29.3	8.5	78.2	7.5	7.48	45.41
DP 1050B2RF	4.93	0.86	1.148	84.9	8.1	27.8	8.3	77.8	8.0	5.69	41.43
FM 1944GLB2	5.11	0.88	1.174	84.5	8.5	33.4	6.8	78.9	6.1	6.64	50.26
DG 2530B2RF	4.91	0.87	1.186	85.7	7.3	31.7	8.1	76.5	7.1	6.06	44.41
AMERICOT 1550B2RF	4.94	0.87	1.106	82.7	9.8	27.4	7.9	76.6	7.6	6.29	49.55
DP 1252B2RF	5.04	0.86	1.146	84.7	8.1	29.3	8.8	77.9	7.7	6.34	46.52
Phytogen 725RF	4.80	0.87	1.207	84.0	7.9	34.3	7.8	75.8	7.9	6.22	48.61
FM 9058F	4.80	0.88	1.182	82.7	9.2	32.8	6.3	77.8	6.8	6.56	50.03
UA 222	5.02	0.87	1.261	85.6	6.8	31.5	8.2	76.3	6.8	8.66	48.56
LSD	0.23	0.01	0.035	1.6	1.0	2.3	0.7	2.0	0.9	3.37	10.89

	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 (5m)	SCN (5m)
AM 1511B2RF	0.92	1.03	11.5	3.7	1.18	183.2	3.3	0.94	82	7
PHY 499WRF	0.91	1.03	14.0	4.3	1.19	186.0	2.9	0.95	68	7
PX 433906WRF	0.91	1.04	14.0	4.7	1.21	173.7	4.1	0.93	92	8
PHY 375WRF	0.85	1.00	18.0	6.0	1.18	175.5	4.3	0.93	97	10
PX 532211WRF	0.96	1.12	15.0	4.7	1.32	168.9	4.2	0.92	91	5
DP 1137B2RF	0.94	1.06	12.0	3.9	1.22	181.7	3.7	0.92	90	4
PHY 565WRF	0.96	1.10	13.0	4.1	1.27	184.9	3.0	0.96	72	6
DP 0912B2RF	0.89	1.01	13.5	4.6	1.16	196.0	2.6	0.97	88	6
DG 2610B2RF	0.91	1.06	16.0	5.3	1.24	172.0	4.9	0.90	113	7
DP 1048B2RF	0.92	1.07	15.5	5.0	1.25	174.0	4.5	0.91	99	5
DP 1050B2RF	0.90	1.03	15.0	5.0	1.20	182.7	3.9	0.93	96	4

FM 1944GLB2	0.95	1.09	14.5	4.6	1.27	179.0	3.3	0.97	63	6
DG 2530B2RF	0.96	1.08	12.0	3.7	1.24	179.4	3.5	0.93	69	4
AMERICOT 1550B2RF	0.88	1.02	15.0	4.9	1.18	185.4	3.5	0.93	98	9
DP 1252B2RF	0.91	1.04	13.5	4.4	1.19	180.5	3.9	0.91	106	6
Phytogen 725RF	0.94	1.07	11.5	3.7	1.25	176.7	2.8	0.97	91	9
FM 9058F	0.88	1.04	18.0	5.8	1.23	172.7	3.8	0.96	89	5
UA 222	0.95	1.10	15.0	4.5	1.30	182.3	3.3	0.95	74	7
LSD	0.07	0.06	3.8	1.6	0.05	8.3	0.9	0.02	38	6

LOCATION: STARKVILLE, MS

								-----GOSSYPOL DATA----		
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
PX 433906WRF	1732	2589	41.6	9.4	4.94	19.57	3.69	0.81	0.52	1.33
DP 1137B2RF	1694	2400	42.6	9.6	5.07	14.39	3.94	0.68	0.42	1.10
AM 1511B2RF	1685	2198	43.3	9.8	5.16	19.92	3.55	0.86	0.61	1.47
FM 1944GLB2	1630	2562	39.4	10.5	5.49	17.80	3.46	0.62	0.54	1.16
DP 1048B2RF	1620	2433	42.0	9.3	4.93	14.70	4.05	0.75	0.46	1.21
DG 2610B2RF	1599	2243	42.1	9.7	4.92	15.64	4.14	0.74	0.45	1.19
DG 2530B2RF	1596	2331	42.6	9.8	5.19	14.28	4.02	0.70	0.45	1.15
PHY 499WRF	1592	2102	43.0	10.2	5.01	19.79	3.71	0.76	0.47	1.23
PX 532211WRF	1571	2328	39.2	9.3	4.90	21.08	3.57	0.53	0.49	1.01
DP 1050B2RF	1557	1955	43.9	9.3	5.30	15.03	3.97	0.74	0.46	1.20
AMERICOT 1550B2RF	1557	2415	40.3	10.0	5.05	19.34	3.69	0.84	0.58	1.42
PHY 565WRF	1546	2155	42.9	9.6	5.10	20.18	3.90	0.76	0.53	1.29
PHY 375WRF	1522	1954	42.9	9.8	5.04	19.65	3.86	0.75	0.52	1.27
DP 1252B2RF	1506	1858	44.2	9.3	4.98	14.52	4.18	0.70	0.45	1.14
DP 0912B2RF	1471	1950	41.6	9.8	5.08	18.70	3.55	0.76	0.50	1.26
FM 9058F	1321	1859	40.7	10.8	6.02	21.29	3.50	0.55	0.50	1.04
UA 222	919	1441	38.2	11.0	5.39	20.36	3.56	0.72	0.47	1.19
Phytogen 725RF	821	1205	37.5	10.8	5.59	20.49	3.77	0.61	0.43	1.04
LSD	205	445	1.2	0.8	0.51	1.13	0.26	0.04	0.03	0.07

	----------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)
PX 433906WRF	4.20	0.85	1.253	85.5	7.6	31.8	8.1	84.9	6.4	6.49	54.57
DP 1137B2RF	4.29	0.85	1.194	84.7	8.2	29.0	8.6	84.8	7.5	7.32	49.13
AM 1511B2RF	4.55	0.85	1.206	84.6	7.1	30.0	9.1	82.3	7.2	7.40	49.92

FM 1944GLB2	4.11	0.86	1.254	84.1	8.0	34.2	6.7	85.6	5.9	5.74	56.45
DP 1048B2RF	4.10	0.84	1.233	84.8	8.0	28.8	8.7	84.9	7.6	7.04	54.47
DG 2610B2RF	4.17	0.85	1.197	84.4	8.7	29.2	8.5	85.1	7.8	7.11	45.64
DG 2530B2RF	4.38	0.85	1.247	85.1	7.9	32.4	8.6	84.8	7.2	5.87	51.52
PHY 499WRF	4.45	0.85	1.214	85.5	7.8	31.9	9.0	81.2	6.7	7.11	56.60
PX 532211WRF	3.83	0.84	1.305	85.4	6.1	28.4	8.3	84.4	7.1	5.26	48.11
DP 1050B2RF	4.27	0.84	1.246	85.0	7.7	30.2	9.1	83.5	7.5	6.90	56.11
AMERICOT 1550B2RF	4.29	0.85	1.189	84.3	8.9	28.3	7.9	83.5	7.6	7.68	49.03
PHY 565WRF	4.17	0.85	1.175	84.2	8.2	29.2	7.7	82.1	6.7	8.60	50.96
PHY 375WRF	4.38	0.85	1.180	85.0	7.9	29.1	7.8	84.3	7.0	7.56	50.52
DP 1252B2RF	4.36	0.84	1.214	84.7	8.3	29.8	9.1	84.3	7.4	8.61	50.14
DP 0912B2RF	4.54	0.86	1.193	85.9	7.6	30.0	8.5	82.4	7.1	7.30	57.34
FM 9058F	4.28	0.86	1.259	84.4	7.9	31.6	6.7	85.0	6.3	6.68	52.64
UA 222	4.28	0.84	1.328	85.6	5.6	30.2	9.0	80.1	7.0	7.80	56.23
Phytogen 725RF	4.10	0.84	1.301	85.4	6.1	34.9	8.6	81.3	7.6	7.75	56.81
LSD	0.26	0.01	0.036	2.3	1.8	1.8	0.4	2.1	0.4	1.79	7.42

	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 (5m)	SCN (5m)
PX 433906WRF	0.91	1.08	18.5	6.0	1.30	166.4	5.0	0.91	97	10
DP 1137B2RF	0.93	1.08	15.5	4.9	1.26	171.0	4.9	0.90	89	9
AM 1511B2RF	0.89	1.04	17.5	5.7	1.24	172.9	4.5	0.92	104	9
FM 1944GLB2	0.93	1.12	18.5	6.1	1.35	164.8	4.9	0.93	96	11
DP 1048B2RF	0.89	1.06	18.5	6.3	1.27	165.2	6.0	0.88	124	9
DG 2610B2RF	0.90	1.06	17.5	5.9	1.26	167.8	5.7	0.88	124	13
DG 2530B2RF	0.93	1.09	17.0	5.5	1.30	173.8	4.5	0.91	104	10
PHY 499WRF	0.89	1.08	20.0	6.5	1.28	171.4	5.0	0.91	115	10
PX 532211WRF	0.93	1.12	19.0	6.2	1.36	155.8	6.0	0.88	121	11
DP 1050B2RF	0.91	1.08	18.0	6.1	1.29	168.2	5.9	0.88	111	9
AMERICOT 1550B2RF	0.89	1.04	17.5	5.9	1.24	176.0	4.6	0.91	97	3
PHY 565WRF	0.86	1.04	20.0	6.9	1.24	163.0	5.1	0.90	100	8
PHY 375WRF	0.85	1.01	21.0	7.3	1.21	170.0	4.9	0.91	115	10
DP 1252B2RF	0.91	1.06	17.0	5.6	1.26	168.0	5.4	0.89	103	8
DP 0912B2RF	0.90	1.05	17.5	5.7	1.25	174.4	4.4	0.91	95	11
FM 9058F	0.92	1.11	19.0	6.1	1.34	161.2	4.8	0.92	98	6
UA 222	0.94	1.14	19.5	6.0	1.38	169.2	5.0	0.91	118	14
Phytogen 725RF	0.90	1.09	19.5	6.4	1.32	158.7	5.2	0.91	137	13
LSD	0.06	0.04	4.1	1.7	0.04	6.5	0.9	0.02	54	10

LOCATION: BELLE MINA, AL

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	-----GOSSYPOL DATA---- PLUS	MINUS	FREE (%)
PHY 499WRF	1624	2091	43.7	9.1	4.36	20.95	3.24	0.82	0.54	1.36
PHY 375WRF	1583	2117	42.8	9.9	4.27	21.66	3.32	0.90	0.68	1.58
PHY 565WRF	1519	2046	42.6	10.0	4.39	22.10	3.41	0.83	0.63	1.46
DG 2530B2RF	1461	1980	42.4	9.0	4.47	16.69	3.46	0.79	0.57	1.36
DP 1137B2RF	1446	1813	44.4	9.0	4.46	16.73	3.61	0.76	0.53	1.29
PX 433906WRF	1435	2007	41.7	8.9	4.33	19.78	3.23	0.92	0.64	1.56
DP 1252B2RF	1425	1669	46.1	8.5	4.05	16.91	3.31	0.76	0.55	1.31
AM 1511B2RF	1338	1598	45.5	9.1	4.51	18.97	3.39	0.90	0.67	1.57
FM 1944GLB2	1333	1983	40.2	9.7	4.63	17.88	2.90	0.58	0.54	1.12
DG 2610B2RF	1313	1739	43.0	8.9	4.25	16.44	3.78	0.81	0.55	1.35
DP 1048B2RF	1279	1636	43.9	9.1	4.14	17.18	3.59	0.86	0.60	1.46
DP 1050B2RF	1268	1601	44.3	8.6	4.39	16.44	3.26	0.77	0.55	1.31
DP 0912B2RF	1246	1836	40.5	9.7	4.45	20.08	3.18	0.88	0.61	1.48
AMERICOT 1550B2RF	1241	1806	40.7	10.3	4.47	20.66	3.54	0.89	0.67	1.56
UA 222	1226	1676	42.3	10.8	4.48	21.36	3.13	0.75	0.52	1.27
PX 532211WRF	1184	1742	40.4	9.9	4.24	21.42	3.27	0.50	0.51	1.00
Phytogen 725RF	973	1563	38.3	10.0	4.71	21.91	3.11	0.70	0.53	1.23
FM 9058F	943	1421	39.9	10.5	4.42	20.56	3.39	0.53	0.49	1.02
LSD	183	252	1.0	1.0	0.52	1.35	0.35	0.06	0.06	0.12

VARIETY	----------HVI FIBER PROPERTIES---------- MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	--SPINNING DATA-- WASTE (%)	YT (mN/TEX)
PHY 499WRF	4.53	0.85	1.189	84.3	7.6	29.5	9.1	78.6	7.4	7.45	47.45
PHY 375WRF	4.30	0.86	1.163	83.3	8.9	27.5	7.5	80.0	7.6	7.96	55.31
PHY 565WRF	4.41	0.85	1.179	83.5	8.6	26.2	7.8	79.3	8.0	7.88	49.03
DG 2530B2RF	4.44	0.85	1.237	85.0	7.7	31.2	8.3	80.9	7.9	6.71	47.12
DP 1137B2RF	4.64	0.85	1.162	84.8	7.5	26.4	9.1	80.7	7.5	6.40	47.43
PX 433906WRF	4.15	0.84	1.231	84.2	8.2	27.7	8.2	80.7	6.8	14.4	48.74
DP 1252B2RF	4.60	0.85	1.175	83.3	8.6	27.3	9.1	81.5	7.8	6.09	52.30
AM 1511B2RF	4.19	0.84	1.160	84.3	8.7	28.1	8.6	80.3	8.8	8.12	48.08
FM 1944GLB2	4.27	0.86	1.249	84.8	7.6	31.2	6.9	82.6	6.8	7.38	49.16
DG 2610B2RF	4.28	0.85	1.218	84.6	8.0	27.2	8.4	81.8	8.0	6.27	49.25
DP 1048B2RF	4.45	0.85	1.197	84.6	8.6	26.8	8.3	80.3	7.6	6.68	48.37
DP 1050B2RF	4.27	0.84	1.197	84.5	8.5	26.5	9.2	80.3	8.0	7.66	49.50
DP 0912B2RF	4.79	0.86	1.172	85.5	7.5	28.0	8.1	80.9	7.8	7.35	48.60
AMERICOT 1550B2RF	4.26	0.85	1.165	83.7	8.8	25.4	7.8	78.9	8.9	6.81	41.34
UA 222	4.22	0.84	1.274	85.2	6.8	28.3	9.1	80.2	7.4	8.44	49.39
PX 532211WRF	3.98	0.84	1.290	84.7	6.7	28.5	8.6	80.2	7.4	6.67	42.59
Phytogen 725RF	3.97	0.85	1.272	85.4	6.6	33.4	7.8	79.4	8.2	6.73	53.78

FM 9058F	4.00	0.85	1.229	84.1	8.5	31.1	6.6	80.8	7.8	9.17	45.56
LSD	0.33	0.01	0.047	1.7	1.6	2.0	0.6	2.0	0.6	6.01	8.85

	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 (5m)	SCN (5m)
PHY 499WRF	0.91	1.06	16.0	5.1	1.24	182.7	3.4	0.93	116	10
PHY 375WRF	0.85	1.01	18.5	6.2	1.19	183.2	3.9	0.93	143	17
PHY 565WRF	0.88	1.02	17.5	5.8	1.21	173.4	4.3	0.91	114	4
DG 2530B2RF	1.00	1.13	11.5	3.5	1.31	181.0	3.1	0.93	90	12
DP 1137B2RF	0.91	1.05	14.5	4.7	1.21	182.5	3.6	0.92	87	9
PX 433906WRF	0.90	1.06	17.5	5.8	1.26	170.5	4.3	0.91	127	7
DP 1252B2RF	0.93	1.06	13.5	4.4	1.22	180.3	3.4	0.91	98	4
AM 1511B2RF	0.89	1.04	16.5	5.3	1.21	174.7	4.2	0.91	108	5
FM 1944GLB2	0.94	1.12	16.5	5.1	1.33	166.9	3.7	0.94	122	11
DG 2610B2RF	0.94	1.08	16.0	5.1	1.27	176.5	4.1	0.89	124	7
DP 1048B2RF	0.94	1.08	15.0	4.7	1.27	177.7	4.0	0.91	111	13
DP 1050B2RF	0.91	1.05	15.0	5.0	1.23	176.3	3.9	0.89	110	12
DP 0912B2RF	0.89	1.04	17.0	5.5	1.22	179.7	4.1	0.93	81	5
AMERICOT 1550B2RF	0.90	1.06	17.5	5.5	1.24	182.7	4.1	0.92	91	3
UA 222	0.90	1.09	19.5	6.2	1.30	173.2	4.4	0.91	127	19
PX 532211WRF	0.92	1.10	19.5	6.2	1.33	163.4	5.0	0.88	136	8
Phytogen 725RF	0.96	1.12	14.5	4.4	1.31	171.5	3.2	0.96	87	6
FM 9058F	0.90	1.08	19.0	6.1	1.29	170.7	4.6	0.94	113	5
LSD	0.07	0.06	4.7	1.9	0.05	9.6	0.9	0.03	67	11

LOCATION: GRIFFIN, GA

								GOSSYPOL DATA		
VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	PLUS	MINUS	FREE (%)
PHY 499WRF	1966	2435	44.7	.	.	19.00	3.44	0.81	0.54	1.35
DG 2610B2RF	1932	2337	45.2	.	.	14.38	3.56	0.74	0.55	1.29
DP 1048B2RF	1899	2277	45.5	.	.	15.02	3.84	0.70	0.53	1.23
DP 1050B2RF	1868	2261	45.2	.	.	15.44	3.70	0.69	0.52	1.21
DP 1252B2RF	1836	2024	47.5	.	.	15.03	3.47	0.67	0.55	1.22
PX 433906WRF	1773	2207	44.6	.	.	20.28	3.12	0.88	0.62	1.50
PX 532211WRF	1761	2364	42.7	.	.	22.24	3.25	0.51	0.53	1.04
FM 1944GLB2	1756	2328	43.0	.	.	18.54	3.36	0.58	0.56	1.13
AM 1511B2RF	1713	2066	45.3	.	.	20.28	3.53	0.84	0.65	1.49
DP 1137B2RF	1699	1991	46.1	.	.	14.48	3.56	0.69	0.53	1.22
PHY 565WRF	1698	2314	42.3	.	.	19.69	3.24	0.80	0.62	1.42

DG 2530B2RF	1629	1943	45.6	.	.	15.73	3.30	0.70	0.56	1.25
DP 0912B2RF	1596	2227	41.8	.	.	18.46	3.12	0.78	0.57	1.35
UA 222	1498	2005	42.8	.	.	20.61	3.34	0.70	0.50	1.20
AMERICOT 1550B2RF	1462	1853	44.2	.	.	19.55	3.36	0.90	0.65	1.54
PHY 375WRF	1437	1944	42.5	.	.	19.46	3.43	0.83	0.64	1.47
FM 9058F	1314	1708	43.5	.	.	20.32	3.44	0.49	0.51	1.00
Phytogen 725RF	939	1420	40.0	.	.	19.91	3.46	0.56	0.44	1.00
LSD	302	386	1.2	.	.	1.54	0.45	0.08	0.06	0.13

	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)
PHY 499WRF	4.87	0.86	1.192	85.5	7.2	33.6	8.7	71.9	6.5	11.1	53.60
DG 2610B2RF	4.51	0.85	1.237	85.8	6.8	28.5	9.0	72.3	6.9	11.0	47.65
DP 1048B2RF	4.48	0.85	1.205	83.4	8.3	27.6	8.5	72.4	7.0	12.2	46.91
DP 1050B2RF	4.51	0.85	1.220	84.2	8.0	28.4	8.6	72.7	7.0	12.0	46.79
DP 1252B2RF	4.78	0.86	1.188	84.9	7.4	29.9	9.3	74.3	7.0	10.3	46.78
PX 433906WRF	4.34	0.86	1.201	83.8	9.1	30.7	7.7	69.6	5.7	13.7	49.22
PX 532211WRF	4.36	0.85	1.268	85.8	7.0	29.5	7.8	70.4	6.0	12.7	49.61
FM 1944GLB2	4.78	0.87	1.222	83.0	8.9	32.7	7.3	70.3	5.7	12.8	49.38
AM 1511B2RF	5.08	0.86	1.126	82.6	8.7	29.4	9.1	69.3	6.6	12.5	46.01
DP 1137B2RF	4.74	0.86	1.165	84.5	8.3	27.2	8.8	70.9	7.0	17.7	46.24
PHY 565WRF	4.20	0.85	1.154	81.4	9.9	28.4	7.7	71.3	6.2	14.0	45.85
DG 2530B2RF	4.70	0.86	1.211	84.7	8.0	30.0	8.3	72.7	6.6	11.0	52.57
DP 0912B2RF	4.82	0.86	1.093	82.9	9.3	28.4	8.2	69.7	6.6	13.6	44.60
UA 222	4.72	0.86	1.227	84.0	7.3	29.5	8.6	70.0	6.1	13.2	46.73
AMERICOT 1550B2RF	4.61	0.86	1.129	82.8	9.8	26.8	8.6	72.2	7.3	11.2	42.10
PHY 375WRF	4.11	0.85	1.156	83.4	8.3	27.2	7.8	72.6	6.2	12.1	47.50
FM 9058F	4.37	0.87	1.223	84.0	8.6	31.7	6.6	71.1	6.1	12.8	47.87
Phytogen 725RF	4.52	0.86	1.211	84.4	7.1	34.4	7.9	63.6	6.8	16.3	54.02
LSD	0.58	0.01	0.043	1.9	1.5	3.3	0.7	2.6	0.8	3.32	6.13

	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 (5m)	SCN (5m)
PHY 499WRF	0.87	1.03	19.5	6.3	1.23	176.5	4.5	0.93	107	19
DG 2610B2RF	0.92	1.08	17.5	5.5	1.28	170.0	5.4	0.88	135	16
DP 1048B2RF	0.91	1.07	16.5	5.3	1.27	167.5	5.4	0.89	95	13
DP 1050B2RF	0.91	1.07	18.0	5.8	1.27	168.2	5.7	0.88	133	17
DP 1252B2RF	0.90	1.06	17.0	5.3	1.24	174.3	4.7	0.89	134	23
PX 433906WRF	0.86	1.04	21.0	7.2	1.25	164.0	5.7	0.90	140	17
PX 532211WRF	0.89	1.07	20.0	6.6	1.29	164.2	5.5	0.89	114	16

FM 1944GLB2	0.87	1.05	22.0	7.3	1.26	172.7	4.8	0.93	122	21
AM 1511B2RF	0.82	0.97	20.5	7.4	1.16	178.5	5.1	0.90	116	12
DP 1137B2RF	0.88	1.03	18.0	6.0	1.21	172.7	5.3	0.88	109	12
PHY 565WRF	0.80	0.98	25.0	9.1	1.19	162.2	6.2	0.88	122	18
DG 2530B2RF	0.91	1.07	17.0	5.5	1.27	176.8	4.4	0.91	93	18
DP 0912B2RF	0.83	0.97	20.0	7.0	1.16	178.5	4.7	0.92	125	17
UA 222	0.88	1.05	20.5	6.6	1.27	170.5	5.0	0.91	124	18
AMERICOT 1550B2RF	0.81	0.98	22.5	7.8	1.17	177.8	5.3	0.90	116	14
PHY 375WRF	0.82	0.99	22.5	7.9	1.19	156.8	6.6	0.87	141	23
FM 9058F	0.87	1.07	22.0	7.2	1.29	162.5	5.1	0.91	135	15
Phytogen 725RF	0.86	1.03	18.0	6.3	1.23	159.0	4.6	0.92	158	25
LSD	0.08	0.06	5.5	2.4	0.07	10.8	1.4	0.03	37	9

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

[Crop Genetics Research Unit Home Page]

[Jamie Whitten Delta States Research Center]

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 DELTA REGIONAL COTTON VARIETY TEST

DELTA REGION

SUMMARY BY VARIETY COMBINING ALL LOCATIONS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
AM 1511B2RF	1445	1902	41.7	10.6	3.91	19.06	3.61	0.78	0.58	1.35
PHY 375WRF	1438	1999	42.3	10.3	3.75	19.46	3.79	0.66	0.47	1.13
PHY 499WRF	1426	1806	43.4	10.0	3.83	19.16	3.65	0.69	0.43	1.12
ST 5458B2RF	1359	2009	39.7	11.0	3.99	20.51	3.65	0.78	0.47	1.25
DP 0912B2RF	1350	1960	39.4	10.0	3.70	18.86	3.33	0.68	0.46	1.14
DP 1048B2RF	1329	1840	42.3	9.7	3.81	15.46	4.20	0.66	0.43	1.09
FM 1740B2F	1321	1925	40.3	11.2	3.92	19.44	3.78	0.55	0.43	0.98

UA 48	1194	1894	39.0	12.6	4.32	20.99	3.55	0.61	0.44	1.05
FM 9058F	1149	1711	39.9	11.4	3.98	19.96	3.50	0.41	0.41	0.82
Phytogen 725RF	1008	1600	37.9	11.5	3.98	20.57	3.91	0.55	0.40	0.95
LSD	159	274	1.7	0.5	0.25	0.85	0.19	0.04	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)
AM 1511B2RF	4.86	0.87	1.164	84.5	8.1	33.5	8.1	78.7	7.3	10.3	54.53
PHY 375WRF	4.75	0.87	1.171	83.5	8.2	31.1	7.0	79.1	6.9	8.00	52.48
PHY 499WRF	4.80	0.87	1.174	84.0	8.5	34.5	7.7	78.6	7.2	10.5	54.28
ST 5458B2RF	4.97	0.88	1.168	82.4	10.3	34.2	6.6	78.1	7.6	9.79	48.37
DP 0912B2RF	5.16	0.87	1.138	83.8	8.4	31.7	7.4	78.1	7.1	11.9	52.50
DP 1048B2RF	4.76	0.87	1.185	83.9	8.8	30.6	7.5	79.1	7.6	7.27	48.22
FM 1740B2F	4.82	0.87	1.154	83.7	8.8	33.2	6.5	80.6	6.8	10.1	46.25
UA 48	5.04	0.89	1.293	85.2	6.5	39.4	6.0	78.3	6.9	6.85	56.05
FM 9058F	4.55	0.87	1.227	83.8	8.7	33.7	5.9	80.5	6.6	9.56	50.22
Phytogen 725RF	4.58	0.87	1.254	84.6	7.2	37.7	7.2	77.0	7.8	9.50	54.89
LSD	0.22	0.01	0.022	0.9	0.9	1.6	0.3	1.1	0.4	4.23	6.45

	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 (5m)	SCN (5m)
AM 1511B2RF	0.90	1.04	15.8	5.1	1.22	182.4	3.5	0.96	93	10
PHY 375WRF	0.87	1.03	18.4	6.1	1.22	176.3	3.8	0.95	103	14
PHY 499WRF	0.88	1.04	18.5	6.1	1.22	179.5	3.8	0.95	122	18
ST 5458B2RF	0.83	1.01	23.6	8.1	1.22	183.9	3.9	0.96	125	14
DP 0912B2RF	0.86	1.01	17.8	5.9	1.18	191.0	3.1	0.97	101	12
DP 1048B2RF	0.90	1.06	17.4	5.7	1.25	178.3	4.0	0.93	119	11
FM 1740B2F	0.89	1.04	17.6	5.7	1.22	181.1	3.6	0.96	95	12
UA 48	1.00	1.17	14.0	3.9	1.37	187.2	2.2	1.02	111	12
FM 9058F	0.90	1.07	18.9	6.0	1.29	173.3	3.8	0.96	123	13
Phytogen 725RF	0.95	1.11	14.4	4.4	1.31	173.4	2.8	0.99	129	23
LSD	0.03	0.03	2.4	1.0	0.03	6.4	0.6	0.02	25	5

SUMMARY BY LOCATION COMBINING ALL VARIETIES

SEED PROPERTIES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	OIL (%)	N (%)	GOSSYPOL DATA PLUS	GOSSYPOL DATA MINUS	GOSSYPOL DATA FREE (%)
KEISER, AR	1586	2372	39.9	11.0	4.80	19.43	3.49	0.64	0.49	1.14
PORTAGEVILLE, MO	1377	.	.	11.5	.	18.98	3.97	0.61	0.44	1.05
SAINT JOSEPH, LA	1158	1629	41.4	10.1	4.79	19.20	3.59	0.59	0.42	1.01
STONEVILLE, MS	1087	1593	40.5	10.7	2.17	19.77	3.74	0.70	0.45	1.15

VARIETY	HVI FIBER PROPERTIES MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA WASTE (%)	SPINNING DATA YT (mN/TEX)
KEISER, AR	4.80	0.87	1.226	84.7	7.6	33.0	6.8	78.2	6.5	11.8	50.76
PORTAGEVILLE, MO	4.83	0.87	1.188	83.2	9.0	34.5	6.6	76.8	8.2	8.27	53.45
SAINT JOSEPH, LA	4.78	0.87	1.150	83.7	8.8	32.8	7.1	78.1	6.8	9.94	49.64
STONEVILLE, MS	4.90	0.87	1.207	84.1	8.0	35.5	7.4	82.2	7.2	7.50	53.27

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 (5m)	SCN (5m)
KEISER, AR	0.93	1.09	15.5	4.8	1.28	181.9	2.9	0.98	97	12
PORTAGEVILLE, MO	0.90	1.06	18.2	5.7	1.26	184.3	3.6	0.97	164	24
SAINT JOSEPH, LA	0.85	1.01	19.0	6.5	1.20	179.2	3.6	0.96	86	8
STONEVILLE, MS	0.90	1.06	17.9	5.8	1.26	177.2	3.6	0.95	102	12

INDIVIDUAL LOCATION DATA

LOCATION: SAINT JOSEPH, LA

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES OIL (%)	SEED PROPERTIES N (%)	GOSSYPOL DATA PLUS	GOSSYPOL DATA MINUS	GOSSYPOL DATA FREE (%)
FM 1740B2F	1425	2027	41.3	10.3	4.96	9.01	3.66	0.51	0.40	0.91
DP 1048B2RF	1374	1766	43.8	9.2	4.67	5.77	4.08	0.63	0.41	1.03
PHY 375WRF	1276	1657	43.5	9.6	4.58	8.94	3.59	0.63	0.45	1.08

PHY 499WRF	1256	1568	44.5	9.4	4.43	8.85	3.55	0.62	0.38	1.00
AM 1511B2RF	1181	1596	42.5	9.9	4.61	8.74	3.59	0.71	0.52	1.23
DP 0912B2RF	1157	1780	39.5	9.2	4.62	9.84	3.33	0.64	0.43	1.07
ST 5458B2RF	1082	1593	40.5	10.2	4.92	9.65	3.57	0.72	0.43	1.15
FM 9058F	1029	1494	40.8	10.5	4.89	9.66	3.36	0.37	0.38	0.75
UA 48	961	1464	39.5	11.7	5.21	0.91	3.44	0.56	0.41	0.97
Phytogen 725RF	835	1346	38.3	11.1	5.00	0.61	3.72	0.53	0.39	0.92
LSD	214	300	1.8	0.5	0.48	1.13	0.40	0.02	0.03	0.04

	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)
FM 1740B2F	4.83	0.87	1.128	83.8	8.6	32.5	6.7	80.8	7.0	17.6	40.38
DP 1048B2RF	4.86	0.87	1.146	83.8	9.8	29.0	7.6	78.1	7.2	7.20	41.28
PHY 375WRF	4.71	0.87	1.122	82.5	8.3	29.7	7.3	78.0	5.9	8.23	49.52
PHY 499WRF	4.70	0.87	1.135	84.0	9.0	34.2	7.9	78.0	6.8	7.87	60.09
AM 1511B2RF	4.45	0.86	1.142	85.5	7.4	33.0	8.2	77.6	7.0	8.85	60.13
DP 0912B2RF	5.09	0.87	1.078	83.6	8.5	28.7	7.3	77.0	6.6	10.5	53.92
ST 5458B2RF	4.88	0.88	1.120	81.1	12.3	33.1	6.6	77.9	7.5	15.2	39.07
FM 9058F	4.58	0.88	1.184	83.2	9.6	31.5	6.1	80.2	5.9	9.06	45.03
UA 48	5.01	0.89	1.250	85.6	7.2	38.5	6.1	78.2	6.2	6.40	54.94
Phytogen 725RF	4.67	0.87	1.195	84.3	7.9	37.8	7.2	75.1	7.7	8.49	52.09
LSD	0.47	0.01	0.053	1.3	1.8	4.0	0.7	3.2	0.8	11.4	21.17

	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 (5m)	SCN (5m)
FM 1740B2F	0.85	1.00	20.0	6.6	1.18	177.3	4.1	0.95	66	3
DP 1048B2RF	0.86	1.02	18.5	6.4	1.20	180.2	4.0	0.93	91	5
PHY 375WRF	0.83	0.98	18.0	6.3	1.16	174.5	3.9	0.94	73	11
PHY 499WRF	0.83	0.98	20.0	7.0	1.16	178.0	4.2	0.94	93	8
AM 1511B2RF	0.88	1.02	16.0	5.4	1.19	172.9	4.0	0.94	75	5
DP 0912B2RF	0.81	0.95	20.0	7.1	1.11	192.5	3.3	0.97	83	11
ST 5458B2RF	0.75	0.94	29.5	11.2	1.16	180.2	4.6	0.95	132	4
FM 9058F	0.89	1.06	18.5	6.0	1.26	173.7	3.6	0.96	92	9
UA 48	0.95	1.10	15.0	4.6	1.30	189.8	2.3	1.01	72	6
Phytogen 725RF	0.92	1.07	14.0	4.4	1.25	172.8	2.6	0.99	86	15
LSD	0.04	0.04	3.5	1.2	0.05	10.9	0.9	0.02	39	10

LOCATION: STONEVILLE, MS

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
ST 5458B2RF	1309	1953	40.1	11.1	2.22	21.56	3.74	0.89	0.51	1.40
PHY 375WRF	1253	1720	42.2	10.4	2.08	20.18	3.78	0.73	0.48	1.21
AM 1511B2RF	1178	1799	39.6	10.0	2.39	18.92	3.58	0.82	0.55	1.37
PHY 499WRF	1146	1542	42.7	10.0	2.25	19.84	3.70	0.75	0.42	1.17
UA 48	1131	1692	40.0	11.9	2.38	21.73	3.56	0.68	0.45	1.13
DP 0912B2RF	1040	1582	39.6	10.3	1.94	18.89	3.51	0.76	0.46	1.22
FM 9058F	1006	1471	40.5	11.2	2.16	20.49	3.47	0.50	0.43	0.92
DP 1048B2RF	982	1383	41.5	9.5	2.07	14.97	4.18	0.71	0.42	1.13
FM 1740B2F	974	1471	39.8	11.0	2.03	20.18	4.01	0.63	0.43	1.05
Phytogen 725RF	850	1318	39.1	11.4	2.17	20.97	3.93	0.58	0.39	0.97
LSD	175	222	3.1	0.5	0.31	0.89	0.42	0.06	0.04	0.09

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
ST 5458B2RF	5.20	0.88	1.170	83.1	9.6	35.3	6.7	81.7	7.7	7.35	50.37
PHY 375WRF	4.75	0.87	1.209	84.6	7.5	32.9	7.5	83.5	7.1	7.59	53.67
AM 1511B2RF	4.95	0.87	1.169	83.1	8.7	35.8	8.7	81.9	7.1	7.23	51.91
PHY 499WRF	4.90	0.87	1.208	83.9	8.4	37.7	8.0	81.3	7.3	8.36	50.11
UA 48	5.21	0.89	1.316	85.1	6.4	40.2	6.6	81.8	7.3	7.08	59.02
DP 0912B2RF	5.28	0.87	1.147	83.7	8.2	33.3	8.3	82.2	7.0	8.30	52.35
FM 9058F	4.56	0.88	1.255	84.5	7.6	33.8	6.0	82.8	6.5	7.81	57.07
DP 1048B2RF	4.65	0.86	1.198	84.3	8.0	31.7	7.8	83.1	7.5	6.59	53.15
FM 1740B2F	4.96	0.88	1.149	83.7	8.9	35.2	6.6	83.2	6.7	7.26	48.54
Phytogen 725RF	4.58	0.86	1.256	84.9	7.1	39.0	7.9	80.7	7.7	7.42	56.50
LSD	0.36	0.01	0.063	2.9	1.8	4.7	0.8	1.3	0.6	1.88	14.58

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 (5m)	SCN (5m)
ST 5458B2RF	0.83	1.02	23.5	8.1	1.23	183.2	4.0	0.96	108	12
PHY 375WRF	0.86	1.03	20.0	6.7	1.23	170.2	4.5	0.93	100	15
AM 1511B2RF	0.89	1.04	17.0	5.6	1.22	175.9	3.9	0.94	96	8
PHY 499WRF	0.90	1.07	18.5	5.9	1.27	177.5	3.7	0.95	130	16
UA 48	1.06	1.22	12.5	3.4	1.42	186.3	2.3	1.02	73	8
DP 0912B2RF	0.87	1.01	16.5	5.5	1.18	189.2	3.1	0.97	99	8

FM 9058F	0.89	1.07	20.5	6.6	1.30	166.0	4.4	0.95	112	10
DP 1048B2RF	0.90	1.06	16.5	5.5	1.24	172.2	4.4	0.91	100	9
FM 1740B2F	0.87	1.03	18.5	6.2	1.23	180.9	3.5	0.96	90	11
Phytogen 725RF	0.94	1.10	15.0	4.6	1.30	170.9	2.9	0.97	115	22
LSD	0.06	0.06	3.8	1.8	0.07	7.6	0.9	0.03	50	15

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 (%)
AM 1511B2RF	1631	.	.	12.0	.	19.09	3.96	0.79	0.60	1.39
DP 0912B2RF	1539	.	.	10.0	.	19.08	3.39	0.67	0.47	1.13
PHY 499WRF	1533	.	.	10.0	.	18.60	4.11	0.61	0.40	1.01
ST 5458B2RF	1464	.	.	12.0	.	19.51	3.86	0.71	0.44	1.14
PHY 375WRF	1453	.	.	11.0	.	19.61	3.96	0.63	0.48	1.11
FM 1740B2F	1375	.	.	12.0	.	18.52	4.05	0.51	0.41	0.92
DP 1048B2RF	1347	.	.	10.0	.	15.60	4.36	0.67	0.46	1.13
UA 48	1205	.	.	14.0	.	20.32	3.92	0.58	0.42	1.00
FM 9058F	1143	.	.	12.0	.	19.42	3.80	0.39	0.40	0.78
Phytogen 725RF	1082	.	.	12.0	.	20.13	4.33	0.52	0.37	0.89
LSD	94	.	.	1.0	.	1.03	0.25	0.06	0.04	0.09

	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)
AM 1511B2RF	5.14	0.88	1.152	83.9	8.5	33.1	7.5	77.1	8.3	7.98	53.47
DP 0912B2RF	5.18	0.88	1.145	83.0	9.4	32.8	6.8	76.1	8.3	11.3	50.11
PHY 499WRF	4.79	0.87	1.150	83.7	8.9	33.7	7.5	76.9	8.3	10.3	54.72
ST 5458B2RF	4.68	0.87	1.168	81.5	11.0	34.6	6.5	75.5	8.5	9.05	57.83
PHY 375WRF	4.93	0.88	1.159	82.5	9.3	31.5	6.6	77.3	8.1	7.13	53.70
FM 1740B2F	4.77	0.88	1.142	82.6	9.8	32.8	6.3	78.4	7.9	7.77	51.14
DP 1048B2RF	4.72	0.87	1.197	83.9	9.1	31.6	7.2	77.5	8.5	8.22	53.82
UA 48	4.88	0.88	1.289	84.1	6.7	39.8	5.7	76.7	8.1	6.89	54.10
FM 9058F	4.53	0.88	1.225	83.4	9.6	37.4	5.8	77.9	7.5	6.68	53.43
Phytogen 725RF	4.71	0.87	1.255	83.5	8.2	38.1	6.8	75.2	8.6	7.39	52.25
LSD	0.23	0.01	0.032	0.7	1.2	2.1	0.4	1.2	0.4	5.41	11.40

	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 (5m)	SCN (5m)
AM 1511B2RF	0.91	1.06	17.0	5.3	1.24	190.7	3.6	0.97	122	21
DP 0912B2RF	0.87	1.02	18.0	6.0	1.20	195.2	3.2	0.99	134	17
PHY 499WRF	0.86	1.02	20.0	6.6	1.20	180.9	4.3	0.95	178	29
ST 5458B2RF	0.87	1.05	22.0	7.1	1.26	184.4	4.2	0.96	160	32
PHY 375WRF	0.89	1.05	17.5	5.4	1.24	185.2	3.2	0.98	140	15
FM 1740B2F	0.88	1.04	18.5	5.9	1.23	184.0	4.0	0.96	144	26
DP 1048B2RF	0.90	1.07	19.0	6.1	1.26	178.4	4.5	0.93	177	21
UA 48	0.99	1.18	16.0	4.4	1.39	182.0	2.8	1.00	208	22
FM 9058F	0.89	1.06	19.0	6.1	1.28	179.7	3.8	0.98	175	23
Phytogen 725RF	0.96	1.12	15.0	4.5	1.33	182.7	2.7	1.01	199	36
LSD	0.04	0.03	3.6	1.2	0.03	7.2	0.7	0.02	46	14

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 (%)
AM 1511B2RF	1791	2312	43.1	10.6	4.74	19.50	3.33	0.80	0.65	1.44
PHY 375WRF	1771	2619	41.2	10.5	4.59	19.11	3.84	0.64	0.49	1.13
PHY 499WRF	1769	2307	42.9	10.4	4.81	19.36	3.25	0.77	0.52	1.29
DP 0912B2RF	1662	2519	39.2	10.4	4.54	17.63	3.10	0.65	0.50	1.14
DP 1048B2RF	1613	2371	41.5	10.2	4.70	15.48	4.21	0.65	0.44	1.08
ST 5458B2RF	1581	2481	38.5	10.9	4.84	21.32	3.42	0.80	0.52	1.32
FM 1740B2F	1509	2279	39.9	11.5	4.77	20.05	3.42	0.56	0.48	1.03
UA 48	1481	2527	37.3	12.7	5.37	21.00	3.28	0.64	0.49	1.13
FM 9058F	1419	2168	38.5	11.7	4.89	20.28	3.38	0.40	0.43	0.83
Phytogen 725RF	1266	2135	36.5	11.5	4.77	20.59	3.67	0.57	0.45	1.01
LSD	118	305	1.2	1.0	0.47	1.19	0.40	0.04	0.02	0.06

	HVI FIBER PROPERTIES								SPINNING DATA	
	MIC	MATURITY	UHML(W)	UI	SF	STR	ELO	HUNTERS	WASTE	YT

VARIETY	(READING)	(%)	(IN.)	(%)	(%)	(g/TEX)	(%)	RD	Plus b	(%)	(mN/TEX)
AM 1511B2RF	4.92	0.87	1.196	85.4	7.7	32.2	8.0	78.2	6.7	17.0	52.62
PHY 375WRF	4.62	0.87	1.197	84.3	7.9	30.4	6.8	77.8	6.5	9.06	53.06
PHY 499WRF	4.82	0.87	1.205	84.5	7.9	32.3	7.5	78.4	6.6	15.4	52.21
DP 0912B2RF	5.08	0.88	1.183	85.0	7.6	32.1	7.2	77.2	6.5	17.4	53.63
DP 1048B2RF	4.81	0.87	1.197	83.8	8.5	30.3	7.3	77.8	7.1	7.10	44.63
ST 5458B2RF	5.12	0.88	1.215	83.8	8.5	33.7	6.6	77.4	6.9	7.58	46.24
FM 1740B2F	4.73	0.87	1.199	84.7	7.9	32.5	6.6	80.1	5.7	7.87	44.96
UA 48	5.07	0.89	1.316	86.1	5.9	39.0	5.8	76.7	6.1	7.04	56.16
FM 9058F	4.52	0.87	1.246	84.1	8.2	32.0	5.8	81.2	6.4	14.7	45.37
Phytogen 725RF	4.37	0.86	1.311	85.8	5.8	35.9	7.0	77.2	7.1	14.7	58.73
LSD	0.27	0.01	0.051	1.5	1.5	2.8	0.5	3.4	1.0	16.8	13.36

	ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES									
VARIETY	L(N) (IN.)	L (W) (IN.)	SFC(N) (%)	SFC (W) (%)	UQL (W) (WT.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (5m)	SCN (5m)
AM 1511B2RF	0.93	1.06	13.0	4.1	1.22	190.0	2.4	0.99	80	8
PHY 375WRF	0.89	1.05	18.0	6.0	1.25	175.3	3.8	0.96	100	14
PHY 499WRF	0.93	1.08	15.5	4.9	1.25	181.5	2.9	0.98	89	18
DP 0912B2RF	0.90	1.05	16.5	5.0	1.23	187.2	2.8	0.98	90	15
DP 1048B2RF	0.94	1.09	15.5	4.9	1.29	182.7	3.2	0.96	108	9
ST 5458B2RF	0.88	1.05	19.5	6.3	1.26	188.0	3.1	0.99	101	9
FM 1740B2F	0.95	1.09	13.5	4.2	1.27	182.3	2.9	0.97	80	7
UA 48	1.02	1.17	12.5	3.5	1.37	190.7	1.6	1.04	94	13
FM 9058F	0.93	1.10	17.5	5.4	1.31	174.0	3.4	0.97	115	9
Phytogen 725RF	0.99	1.15	13.5	4.0	1.36	167.2	3.1	0.98	117	18
LSD	0.05	0.05	3.0	1.1	0.05	9.4	0.7	0.02	45	9

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 WESTERN REGIONAL COTTON VARIETY TEST

----------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: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	MINUS	FREE (%)
PHY 375WRF	1685	2146	42.1	9.9	4.66	21.71	3.14	0.84	0.62	1.46
DP 0912B2RF	1629	2255	41.4	9.8	4.94	20.15	2.89	0.82	0.56	1.38
Phytogen 725RF	1567	2407	39.6	10.5	4.97	22.65	3.09	0.65	0.45	1.10
FM 9170B2F	1552	2148	41.8	10.5	4.78	23.02	2.98	0.72	0.49	1.21
FM 9058F	1532	2110	40.8	10.8	4.97	21.28	2.98	0.53	0.51	1.04
PHY 755WRF	1445	2227	38.9	10.1	4.58	23.31	3.00	0.65	0.48	1.12
DP 161B2RF	1436	2175	39.7	9.3	4.61	19.93	3.07	0.62	0.46	1.07

LSD	183	175	1.7	1.0	0.32	0.74	0.34	0.10	0.07	0.17

	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)
PHY 375WRF	4.66	0.87	1.146	83.3	9.0	30.1	7.2	80.9	8.2	7.24	47.30
DP 0912B2RF	5.04	0.87	1.128	84.1	8.3	30.2	7.3	80.9	8.0	6.65	47.68
Phytogen 725RF	4.50	0.86	1.195	83.9	7.7	35.3	7.5	79.7	8.6	6.94	52.38
FM 9170B2F	4.37	0.86	1.201	84.2	8.3	33.6	6.4	82.5	7.4	8.46	53.72
FM 9058F	4.52	0.87	1.187	82.9	9.8	32.2	5.8	83.3	7.4	7.07	49.63
PHY 755WRF	4.50	0.86	1.243	84.3	7.5	35.8	7.3	80.0	8.5	11.8	52.82
DP 161B2RF	4.74	0.87	1.222	84.6	7.7	33.2	6.8	81.7	7.6	6.98	52.48
LSD	0.27	0.01	0.036	0.9	1.2	1.9	0.7	1.6	0.4	5.83	6.55

	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 (5m)	SCN (5m)
PHY 375WRF	0.81	0.98	22.8	8.0	1.18	177.5	4.2	0.94	144	12
DP 0912B2RF	0.83	0.98	20.5	7.2	1.16	187.0	3.5	0.96	131	12
Phytogen 725RF	0.88	1.04	18.5	6.2	1.24	174.3	3.3	0.97	152	14
FM 9170B2F	0.87	1.06	21.0	6.9	1.28	162.2	4.0	0.95	170	10
FM 9058F	0.82	1.01	23.8	8.3	1.22	171.4	4.5	0.95	170	9
PHY 755WRF	0.91	1.08	17.8	5.8	1.29	173.7	3.0	0.98	148	17
DP 161B2RF	0.89	1.06	19.7	6.4	1.27	182.9	3.4	0.97	160	14
LSD	0.03	0.04	2.6	1.2	0.05	9.0	0.7	0.03	48	7

REGIONAL SUMMARY BY LOCATION COMBINING ALL VARIETIES

						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 (%)
FIVE POINTS, CA	2270	3422	39.8	11.4	.	20.70	3.47	0.66	0.51	1.17
UNIVERSITY PARK, NM	1804	2304	43.9	.	5.24	23.30	2.46	0.74	0.57	1.31

PECOS, TX (IRR)	575	904	38.1	8.8	4.33	21.16	3.13	0.67	0.45	1.11

	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)
FIVE POINTS, CA	4.42	0.86	1.211	82.7	7.8	33.9	6.7	82.1	8.2	6.90	49.67
UNIVERSITY PARK, NM	4.82	0.87	1.245	87.3	6.5	33.9	7.3	81.8	8.2	7.22	49.48
PECOS, TX (IRR)	4.62	0.87	1.110	81.6	10.6	30.9	6.7	79.9	7.5	9.50	53.42

	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 (5m)	SCN (5m)
FIVE POINTS, CA	0.84	1.04	24.6	8.3	1.27	172.5	4.2	0.96	214	18
UNIVERSITY PARK, NM	0.91	1.07	16.9	5.4	1.27	179.5	3.5	0.96	95	8
PECOS, TX (IRR)	0.82	0.98	20.4	7.2	1.16	174.7	3.4	0.97	151	13

INDIVIDUAL LOCATION DATA

LOCATION: UNIVERSITY PARK, NM

						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 (%)
PHY 375WRF	2012	2347	46.2	.	5.12	23.19	2.50	0.94	0.75	1.69
FM 9170B2F	1835	2267	44.8	.	5.20	24.59	2.41	0.69	0.48	1.17
DP 0912B2RF	1805	2272	44.4	.	5.46	21.82	2.42	0.91	0.65	1.56
Phytogen 725RF	1804	2404	42.8	.	5.60	24.09	2.12	0.74	0.53	1.27
FM 9058F	1751	2237	43.8	.	5.35	22.92	2.58	0.58	0.56	1.13
DP 161B2RF	1717	2322	42.4	.	4.98	21.56	2.73	0.65	0.52	1.16
PHY 755WRF	1702	2276	42.7	.	4.99	24.94	2.46	0.68	0.53	1.21
LSD	378	451	1.6	.	0.50	1.46	0.66	0.07	0.07	0.13

	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)
PHY 375WRF	4.81	0.87	1.193	87.2	6.9	30.0	7.6	81.5	8.5	8.49	43.97
FM 9170B2F	4.54	0.87	1.260	88.1	6.6	34.2	6.1	82.7	7.6	6.81	48.08
DP 0912B2RF	5.46	0.88	1.167	87.1	6.3	30.8	8.1	82.3	8.4	7.07	44.96
Phytogen 725RF	4.71	0.87	1.249	86.3	6.8	36.2	8.0	79.3	8.8	8.14	49.68
FM 9058F	4.68	0.88	1.271	86.8	7.4	35.3	6.1	84.4	7.8	7.56	55.35
DP 161B2RF	4.94	0.87	1.267	88.3	6.1	35.1	7.6	82.2	7.4	6.45	52.28
PHY 755WRF	4.59	0.86	1.311	87.5	5.7	35.9	7.7	80.4	9.0	6.06	52.07
LSD	0.33	0.01	0.068	1.8	2.3	2.9	0.7	1.9	1.1	1.81	11.48

	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 (5m)	SCN (5m)
PHY 375WRF	0.86	1.01	18.5	6.1	1.18	183.0	3.8	0.95	81	6
FM 9170B2F	0.94	1.14	18.5	5.7	1.37	156.9	4.2	0.94	142	6
DP 0912B2RF	0.89	1.02	15.0	5.0	1.18	195.2	2.9	0.98	77	12
Phytogen 725RF	0.94	1.10	14.5	4.6	1.28	181.4	3.1	0.96	88	8
FM 9058F	0.88	1.05	20.0	6.5	1.26	178.2	4.1	0.97	90	4
DP 161B2RF	0.93	1.09	16.0	5.1	1.29	182.7	3.1	0.96	79	8
PHY 755WRF	0.96	1.12	15.5	4.8	1.32	179.3	3.3	0.96	108	11
LSD	0.10	0.14	2.9	1.4	0.18	22.7	0.5	0.02	45	11

LOCATION: PECOS, TX (IRR)

						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 (%)
DP 0912B2RF	636	983	38.8	8.6	4.43	19.34	2.95	0.74	0.47	1.21
FM 9058F	613	821	38.1	9.4	4.59	20.51	3.02	0.48	0.44	0.91
Phytogen 725RF	601	1084	37.8	9.2	4.34	22.70	3.48	0.66	0.41	1.06
PHY 755WRF	569	934	36.6	8.7	4.17	22.20	3.04	0.66	0.42	1.08
DP 161B2RF	557	978	37.9	8.6	4.25	19.54	3.14	0.60	0.40	1.00
FM 9170B2F	534	835	40.0	8.9	4.37	22.95	3.14	0.78	0.49	1.27
PHY 375WRF	514	690	37.5	8.4	4.20	20.93	3.15	0.77	0.51	1.28

LSD	176	520	2.7	1.0	0.46	1.50	0.28	0.07	0.02	0.09

	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)
DP 0912B2RF	4.74	0.87	1.054	82.1	10.9	28.6	6.8	78.2	7.4	6.26	50.56
FM 9058F	4.69	0.88	1.096	80.2	12.9	28.9	5.6	81.5	7.0	6.97	48.58
Phytogen 725RF	4.45	0.86	1.106	82.2	9.1	32.9	7.5	79.4	8.3	5.97	57.05
PHY 755WRF	4.46	0.87	1.135	81.8	10.7	34.2	7.1	78.9	7.9	21.0	54.80
DP 161B2RF	4.88	0.87	1.162	82.1	9.7	31.1	6.6	80.9	7.4	7.35	53.07
FM 9170B2F	4.37	0.86	1.128	81.9	10.3	31.4	6.4	82.1	6.7	12.3	55.69
PHY 375WRF	4.75	0.87	1.093	81.0	11.1	29.1	7.3	78.4	7.8	6.73	54.23
LSD	0.39	0.01	0.039	1.3	2.5	2.9	0.7	1.7	0.4	9.25	15.59

	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 (5m)	SCN (5m)
DP 0912B2RF	0.78	0.93	22.0	8.1	1.09	182.0	3.5	0.95	138	7
FM 9058F	0.82	0.98	21.5	7.5	1.18	172.7	3.8	0.97	133	5
Phytogen 725RF	0.83	0.97	18.5	6.8	1.15	169.4	3.1	0.97	157	20
PHY 755WRF	0.87	1.02	17.0	5.9	1.20	171.4	2.4	0.99	155	20
DP 161B2RF	0.86	1.02	19.5	6.6	1.21	187.8	3.2	0.99	184	17
FM 9170B2F	0.82	0.99	21.5	7.4	1.18	163.3	3.9	0.96	151	9
PHY 375WRF	0.79	0.96	22.5	8.1	1.14	176.2	4.1	0.94	143	13
LSD	0.02	0.03	1.8	1.1	0.03	7.9	0.6	0.02	54	17

LOCATION: FIVE POINTS, CA

						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 (%)
PHY 375WRF	2528	3401	42.6	11.4	.	21.03	3.76	0.82	0.62	1.43
DP 0912B2RF	2446	3511	41.1	11.0	.	19.29	3.31	0.82	0.55	1.37
Phytogen 725RF	2297	3733	38.1	11.9	.	21.17	3.66	0.56	0.41	0.97
FM 9170B2F	2286	3343	40.6	12.1	.	21.52	3.40	0.70	0.52	1.21
FM 9058F	2232	3273	40.6	12.2	.	20.40	3.34	0.54	0.53	1.07

PHY 755WRF	2065	3470	37.3	11.5	.	22.81	3.50	0.61	0.48	1.08
DP 161B2RF	2034	3224	38.7	10.1	.	18.69	3.36	0.60	0.46	1.06
LSD	171	230	0.9	0.8	.	1.99	0.48	0.11	0.08	0.18

	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)
PHY 375WRF	4.42	0.86	1.154	81.8	9.0	31.2	6.8	82.9	8.4	6.49	43.71
DP 0912B2RF	4.94	0.87	1.163	83.2	7.8	31.1	7.1	82.1	8.4	6.61	47.54
Phytogen 725RF	4.34	0.86	1.231	83.1	7.4	36.9	6.9	80.5	8.8	6.70	50.42
FM 9170B2F	4.19	0.86	1.215	82.6	7.9	35.2	6.8	82.6	7.9	6.33	57.40
FM 9058F	4.21	0.87	1.194	81.8	9.2	32.3	5.9	84.1	7.5	6.68	44.96
PHY 755WRF	4.45	0.86	1.283	83.5	6.1	37.4	7.0	80.7	8.8	8.38	51.59
DP 161B2RF	4.40	0.87	1.238	83.3	7.4	33.3	6.3	82.0	8.0	7.15	52.10
LSD	0.26	0.01	0.057	2.3	1.3	3.9	0.8	2.7	1.3	1.96	6.88

	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 (5m)	SCN (5m)
PHY 375WRF	0.79	0.99	27.5	9.7	1.21	173.2	4.7	0.94	207	17
DP 0912B2RF	0.82	1.00	24.5	8.4	1.21	183.8	4.3	0.96	177	17
Phytogen 725RF	0.87	1.06	22.5	7.3	1.29	172.2	3.6	0.98	212	16
FM 9170B2F	0.86	1.06	23.0	7.7	1.29	166.5	3.9	0.96	217	17
FM 9058F	0.77	0.99	30.0	10.9	1.23	163.4	5.6	0.93	286	19
PHY 755WRF	0.92	1.12	21.0	6.6	1.36	170.4	3.3	0.98	181	19
DP 161B2RF	0.87	1.07	23.5	7.5	1.31	178.3	4.1	0.96	219	18
LSD	0.04	0.04	3.6	1.2	0.04	6.7	0.6	0.03	65	17

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 PIMA REGIONAL COTTON VARIETY TEST

----------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: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DP 357	1651	2605	39.1	12.3	3.28	25.19	3.48	0.51	0.63	1.14
DP 340	1454	2422	37.6	12.2	2.80	24.63	3.43	0.55	0.59	1.14
PHY 800	1324	2159	38.2	12.7	2.97	23.68	3.56	0.48	0.51	0.99
PHY 802	1260	2030	38.7	12.5	2.90	22.46	3.67	0.47	0.49	0.96

COBALT	680	978	41.1	.	3.53	23.63	3.51	0.69	0.72	1.41
LSD	172	267	2.0	1.1	0.19	1.74	0.27	0.08	0.10	0.18

	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)
DP 357	4.33	0.87	1.405	87.5	5.1	45.9	6.1	74.3	11.3	6.81	66.70
DP 340	4.02	0.87	1.432	88.3	5.1	48.9	6.1	73.6	11.0	7.52	63.48
PHY 800	4.02	0.86	1.436	87.9	5.0	47.2	6.3	73.9	11.0	9.03	62.11
PHY 802	3.91	0.87	1.487	87.6	5.0	48.3	5.9	74.3	11.1	7.83	62.43
COBALT	4.08	0.87	1.420	88.8	5.1	49.5	6.1	70.9	12.4	6.82	61.96
LSD	0.21	0.01	0.034	1.5	0.1	2.4	0.5	1.8	0.3	2.03	9.87

	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)
DP 357	1.05	1.25	14.7	3.7	1.48	159.1	2.2	1.02	132	13
DP 340	1.04	1.25	15.8	4.2	1.49	151.2	2.8	0.99	132	11
PHY 800	1.06	1.25	14.5	3.8	1.49	160.8	2.3	1.00	131	12
PHY 802	1.08	1.29	15.2	3.9	1.54	152.6	2.5	1.00	148	13
COBALT	1.00	1.20	16.5	4.5	1.44	150.7	3.8	0.96	136	4
LSD	0.05	0.06	2.5	0.7	0.08	16.6	0.7	0.03	58	6

REGIONAL SUMMARY BY LOCATION COMBINING VARIETIES

						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 (%)
FIVE POINTS, CA	2303	3807	37.7	13.5	.	25.79	3.71	0.61	0.70	1.31
LAS CRUCES, NM	979	1390	41.5	.	3.46	24.56	3.08	0.58	0.62	1.19
MARICOPA, AZ	911	1612	36.0	11.3	2.53	21.38	3.93	0.35	0.36	0.72

	HVI FIBER PROPERTIES								SPINNING DATA	
	MIC	MATURITY	UHML(w)	UI	SF	STR	ELO	HUNTERS	WASTE	YT

VARIETY	(READING)	(%)	(IN.)	(%)	(%)	(g/TEX)	(%)	RD	Plus b	(%)	(mN/TEX)
FIVE POINTS, CA	3.87	0.86	1.444	87.0	5.0	41.7	6.2	73.3	11.1	9.04	63.65
LAS CRUCES, NM	4.16	0.87	1.427	88.6	5.1	51.6	6.3	72.9	11.5	6.59	62.75
MARICOPA, AZ	4.16	0.87	1.447	87.9	5.0	48.9	5.7	75.2	10.9	7.82	64.44

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	1.07	1.28	15.1	3.8	1.53	157.8	2.1	1.02	142	10
LAS CRUCES, NM	1.01	1.21	16.1	4.4	1.45	155.4	3.3	0.97	126	5
MARICOPA, AZ	1.08	1.29	14.0	3.5	1.53	153.3	2.2	1.01	142	21

INDIVIDUAL LOCATION DATA

LOCATION: MARICOPA, AZ

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DP 357	1109	1814	38.0	11.1	2.78	21.52	3.83	0.34	0.39	0.73
DP 340	906	1659	35.3	10.9	2.35	22.17	3.74	0.36	0.35	0.71
PHY 802	816	1432	36.3	11.5	2.50	20.22	4.12	0.36	0.36	0.71
PHY 800	811	1541	34.5	11.9	2.50	21.63	4.04	0.37	0.36	0.72
LSD	224	389	0.6	0.9	0.15	2.03	0.78	0.04	0.05	0.09

HVI FIBER PROPERTIES

VARIETY	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
DP 357	4.56	0.88	1.406	87.4	5.1	47.9	5.8	74.5	11.2	6.00	70.81
DP 340	4.08	0.87	1.461	89.2	5.0	49.8	5.4	74.4	10.9	8.53	66.10
PHY 802	3.98	0.87	1.474	86.7	5.0	48.7	5.6	76.2	11.0	6.97	63.61
PHY 800	4.02	0.87	1.447	88.3	5.0	49.1	6.0	75.8	10.6	9.81	57.25

LSD	0.12	0.01	0.088	2.3	0.3	5.9	0.5	2.6	0.3	8.90	16.19

	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)
DP 357	1.07	1.28	14.5	3.6	1.52	158.7	2.1	1.03	144	24
DP 340	1.04	1.25	15.5	4.1	1.48	151.0	2.7	1.00	143	22
PHY 802	1.14	1.33	12.0	2.9	1.56	157.5	1.8	1.04	106	19
PHY 800	1.10	1.30	14.0	3.6	1.55	146.2	2.4	0.99	175	20
LSD	0.07	0.03	7.6	1.8	0.08	4.9	0.8	0.01	110	34

LOCATION: FIVE POINTS, CA

						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 (%)
DP 357	2644	4297	38.1	13.5	.	26.73	3.76	0.62	0.80	1.41
DP 340	2288	3873	37.1	13.5	.	26.22	3.76	0.67	0.75	1.42
PHY 800	2151	3559	37.7	13.5	.	25.62	3.55	0.60	0.67	1.27
PHY 802	2129	3500	37.8	13.6	.	24.59	3.77	0.56	0.60	1.16
LSD	200	357	0.6	0.6	.	2.18	0.46	0.11	0.15	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)
DP 357	4.06	0.86	1.410	87.0	5.0	40.8	6.3	74.7	11.2	8.06	62.27
DP 340	3.92	0.86	1.420	86.9	5.1	42.2	6.6	72.5	11.1	8.99	68.89
PHY 800	3.85	0.86	1.435	86.7	5.0	40.4	6.2	72.9	11.1	9.50	64.77
PHY 802	3.67	0.86	1.513	87.5	5.0	43.5	5.9	73.3	11.1	9.62	58.67
LSD	0.29	0.01	0.048	2.3	.	5.5	0.6	3.2	0.7	3.86	5.96

	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)

DP 357	1.08	1.27	14.0	3.5	1.51	162.2	1.8	1.04	131	10
DP 340	1.05	1.26	15.5	4.1	1.51	154.8	2.3	1.01	132	7
PHY 800	1.09	1.29	14.5	3.6	1.55	160.2	2.0	1.02	124	9
PHY 802	1.08	1.30	16.5	4.1	1.56	154.0	2.2	1.02	180	14
LSD	0.12	0.07	7.0	1.9	0.08	13.3	0.7	0.03	76	8

LOCATION: LAS CRUCES, NM

						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 (%)
DP 357	1201	1703	41.4	.	3.78	27.32	2.86	0.58	0.70	1.27
DP 340	1170	1735	40.4	.	3.26	25.50	2.80	0.64	0.67	1.30
PHY 800	1008	1376	42.5	.	3.44	23.80	3.09	0.47	0.50	0.97
PHY 802	835	1157	42.0	.	3.30	22.57	3.14	0.51	0.51	1.02
COBALT	680	978	41.1	.	3.53	23.63	3.51	0.69	0.72	1.41
LSD	119	187	1.3	.	0.20	1.09	0.57	0.11	0.10	0.21

	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)
DP 357	4.36	0.87	1.401	88.0	5.1	49.1	6.1	73.7	11.6	6.38	67.03
DP 340	4.06	0.87	1.417	89.0	5.1	54.6	6.3	73.8	11.0	5.05	55.44
PHY 800	4.20	0.87	1.426	88.7	5.1	52.2	6.8	73.0	11.4	7.77	64.31
PHY 802	4.10	0.87	1.474	88.8	5.1	52.7	6.2	73.4	11.3	6.91	65.01
COBALT	4.08	0.87	1.420	88.8	5.1	49.5	6.1	70.9	12.4	6.82	61.96
LSD	0.59	0.02	0.064	2.9	0.1	3.5	0.6	0.9	0.4	4.04	20.99

	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)
DP 357	1.01	1.20	15.5	4.2	1.43	156.5	2.7	0.99	121	4

DP 340	1.03	1.24	16.5	4.5	1.48	147.7	3.5	0.96	121	4
PHY 800	0.99	1.16	15.0	4.3	1.38	176.0	2.7	0.98	95	8
PHY 802	1.03	1.25	17.0	4.6	1.51	146.2	3.7	0.96	157	8
COBALT	1.00	1.20	16.5	4.5	1.44	150.7	3.8	0.96	136	4
LSD	0.15	0.16	9.4	3.0	0.21	42.9	2.0	0.04	87	4

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012
Yield, Boll, Seed, Spinning and Data

2012 HIGH QUALITY REGIONAL COTTON VARIETY TEST

----------REGIONAL HIGH QUALITY ----------
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: PLUS	MINUS	FREE (%)
PX 433906WRF	1527	2102	42.3	9.9	5.07	20.39	3.35	0.78	0.53	1.30
PX 532211WRF	1460	2205	40.6	9.8	4.87	21.35	3.37	0.46	0.48	0.94
DP 1219B2RF	1453	2003	42.1	9.0	4.76	19.32	3.32	0.59	0.43	1.03
DP 1048B2RF	1448	1873	43.2	9.3	4.89	16.02	3.67	0.73	0.50	1.22
DP 1032B2RF	1445	1838	43.3	9.1	4.90	16.23	3.55	0.61	0.47	1.08
PHY 375WRF	1431	1973	42.3	10.1	4.98	20.25	3.45	0.73	0.56	1.29
MD10-5	1383	1932	42.2	9.3	5.06	16.08	3.55	0.57	0.40	0.97
Ark 0410-21	1341	1858	42.0	9.7	4.90	22.32	3.64	1.02	0.64	1.67
MD25-26ne	1339	2097	39.5	10.9	5.67	21.33	3.50	0.74	0.60	1.34
Ark 0403-27	1327	1795	42.7	11.4	5.40	21.42	3.65	0.96	0.69	1.66
ALL-TEX NITRO 44B2RF	1304	2065	39.9	11.2	5.39	22.97	3.40	0.71	0.53	1.24
PHX 4912WRF	1296	2045	38.9	9.8	4.83	20.74	3.33	0.85	0.55	1.40

FM 2484B2F	1286	1827	41.7	10.7	4.74	21.93	3.29	0.71	0.50	1.21
ST 4145LLB2	1267	1951	39.5	10.3	4.86	19.52	3.22	0.81	0.56	1.37
TAMCOT 73	1255	1956	39.1	10.7	5.10	21.32	3.34	0.65	0.47	1.12
FM 9058F	1251	1904	39.9	11.0	5.26	20.61	3.25	0.46	0.45	0.91
NM 06N1168	1221	2090	37.1	10.8	4.79	22.26	3.43	0.64	0.41	1.05
LA 17	1195	2035	36.7	11.0	5.23	20.64	3.28	0.68	0.48	1.16
ACALA 151708	1170	1958	38.3	10.9	5.26	20.67	3.38	0.73	0.51	1.24
NM 06N1166	1097	1585	38.6	9.7	5.42	18.41	3.42	0.57	0.36	0.93
TAM 06WE-62-1	1029	1753	37.6	12.3	6.11	20.36	3.37	0.58	0.42	1.00
LSD	129	219	0.9	0.5	0.34	0.83	0.13	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)
PX 433906WRF	4.53	0.86	1.207	84.6	8.0	31.5	7.4	79.5	6.6	7.48	47.03
PX 532211WRF	4.34	0.86	1.237	84.5	7.9	30.6	7.4	79.4	7.1	7.04	49.95
DP 1219B2RF	4.57	0.87	1.208	83.7	8.6	34.6	6.8	80.2	7.3	7.12	51.82
DP 1048B2RF	4.60	0.86	1.192	84.0	8.7	29.4	7.7	79.3	7.8	7.04	46.95
DP 1032B2RF	4.67	0.87	1.197	83.8	9.0	31.6	6.7	79.9	7.2	10.7	49.38
PHY 375WRF	4.50	0.86	1.154	83.4	8.9	30.0	6.9	78.8	7.3	8.41	51.32
MD10-5	4.76	0.87	1.160	83.7	7.9	33.5	6.9	78.6	6.6	8.23	55.40
Ark 0410-21	4.78	0.87	1.170	84.4	8.0	33.3	6.9	78.3	7.3	7.98	51.77
MD25-26ne	4.54	0.87	1.286	86.3	6.3	35.4	6.5	78.5	6.7	7.14	56.30
Ark 0403-27	4.94	0.88	1.164	84.4	8.0	32.1	6.7	77.7	7.7	7.52	49.54
ALL-TEX NITRO 44B2RF	4.16	0.85	1.261	85.0	7.0	33.5	7.3	78.5	7.1	9.26	52.50
PHX 4912WRF	4.27	0.86	1.263	84.6	7.4	32.5	6.8	79.5	6.5	7.95	49.63
FM 2484B2F	4.45	0.87	1.237	84.7	7.9	33.3	6.1	80.6	6.5	6.76	53.63
ST 4145LLB2	4.57	0.87	1.174	83.9	8.7	31.9	6.2	77.9	7.0	9.06	48.58
TAMCOT 73	4.67	0.87	1.209	84.7	7.7	35.1	6.9	77.8	7.3	8.69	49.80
FM 9058F	4.42	0.87	1.213	83.6	8.7	32.2	6.0	80.2	6.9	9.41	49.13
NM 06N1168	3.98	0.86	1.293	84.6	6.6	34.6	6.0	77.9	6.9	9.72	58.93
LA 17	4.47	0.87	1.255	85.4	7.0	34.9	6.8	78.3	6.9	7.78	54.65
ACALA 151708	4.66	0.87	1.246	84.7	7.2	38.0	6.5	77.1	7.2	8.13	55.01
NM 06N1166	4.11	0.86	1.245	85.1	6.5	36.4	5.9	79.2	6.5	7.38	55.60
TAM 06WE-62-1	4.48	0.87	1.233	85.8	7.0	40.7	6.7	77.7	7.8	7.03	56.32
LSD	0.16	0.00	0.019	0.6	0.5	1.0	0.3	1.0	0.3	2.55	3.31

	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 (5m)	SCN (5m)
PX 433906WRF	0.92	1.07	16.6	5.3	1.27	172.6	3.9	0.94	118	14
PX 532211WRF	0.91	1.08	18.8	6.1	1.30	167.6	4.4	0.92	127	11
DP 1219B2RF	0.89	1.06	19.4	6.3	1.27	172.2	3.7	0.95	111	10
DP 1048B2RF	0.90	1.05	17.3	5.7	1.25	175.4	4.3	0.91	121	10
DP 1032B2RF	0.89	1.05	18.2	6.1	1.25	175.6	3.7	0.95	109	10
PHY 375WRF	0.84	1.01	20.8	7.1	1.20	172.3	4.4	0.93	128	13

MD10-5	0.90	1.03	14.7	4.8	1.21	176.0	3.0	0.96	110	11
Ark 0410-21	0.90	1.04	15.8	5.2	1.22	180.1	3.1	0.97	119	11
MD25-26ne	1.00	1.15	13.2	3.8	1.34	179.3	2.9	0.98	112	9
Ark 0403-27	0.89	1.04	16.8	5.3	1.21	183.4	3.4	0.96	120	17
ALL-TEX NITRO 44B2RF	0.93	1.10	17.1	5.2	1.31	165.4	4.0	0.93	155	16
PHX 4912WRF	0.93	1.11	18.2	5.8	1.33	167.5	3.9	0.95	147	14
FM 2484B2F	0.92	1.10	17.3	5.4	1.30	168.5	3.5	0.97	110	9
ST 4145LLB2	0.88	1.04	18.9	6.2	1.24	180.0	3.8	0.95	116	15
TAMCOT 73	0.93	1.08	15.1	4.7	1.27	175.7	3.4	0.96	111	13
FM 9058F	0.89	1.07	19.8	6.5	1.27	169.1	4.1	0.95	117	10
NM 06N1168	0.98	1.15	14.6	4.4	1.37	156.4	3.4	0.96	156	17
LA 17	0.97	1.13	14.1	4.2	1.32	170.6	3.1	0.96	124	15
ACALA 151708	0.93	1.09	16.3	5.1	1.30	172.9	2.9	0.99	122	21
NM 06N1166	0.95	1.10	13.0	3.9	1.28	158.9	3.2	0.96	89	9
TAM 06WE-62-1	0.95	1.11	15.0	4.5	1.29	166.9	3.0	0.98	119	13
LSD	0.02	0.02	1.6	0.6	0.02	4.0	0.4	0.01	21	4

REGIONAL SUMMARY BY LOCATION COMBINING ALL VARIETIES

						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 (%)
LAS CRUCES, NM	1765	2179	44.6	.	5.30	23.34	2.55	0.87	0.66	1.53
COLLEGE STATION, TX	1718	2707	38.7	10.2	5.53	20.31	3.38	0.67	0.50	1.17
STONEVILLE, MS	1458	2149	40.5	10.4	5.37	19.73	3.09	0.73	0.49	1.22
KEISER, AR	1440	2280	38.5	11.2	4.87	19.20	3.76	0.62	0.47	1.09
PORTAGEVILLE, MO	1261	.	.	11.5	.	19.32	4.01	0.64	0.46	1.10
BELLE MINA, AL	1253	1796	41.1	9.7	4.30	20.31	3.34	0.76	0.55	1.32
SAINT JOSEPH, LA	1106	1619	40.5	10.1	5.12	19.28	3.57	0.61	0.43	1.03
FLORENCE, SC	1068	1500	41.4	9.7	5.53	20.49	3.35	0.78	0.58	1.36
LUBBOCK, TX	836	1501	37.9	9.8	4.92	20.36	3.73	0.63	0.44	1.06

	HVI FIBER PROPERTIES								SPINNING DATA	
VARIETY	MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	HUNTERS RD	HUNTERS Plus b	WASTE (%)	YT (mN/TEX)
LAS CRUCES, NM	4.64	0.86	1.240	86.7	6.8	33.4	7.3	82.3	8.2	6.71	50.98
COLLEGE STATION, TX	4.32	0.86	1.206	83.5	7.6	31.7	6.4	75.2	6.6	12.1	50.45
STONEVILLE, MS	4.54	0.87	1.268	85.8	6.4	35.9	6.1	80.2	7.0	7.33	54.59
KEISER, AR	4.55	0.87	1.253	85.0	7.0	34.1	6.3	77.9	5.7	8.28	52.49
PORTAGEVILLE, MO	4.58	0.87	1.222	83.3	8.4	35.8	6.0	76.8	7.9	10.6	53.34
BELLE MINA, AL	4.14	0.85	1.226	84.2	7.7	31.4	7.6	81.1	7.5	7.11	49.88
SAINT JOSEPH, LA	4.59	0.87	1.201	84.8	7.9	34.0	6.4	78.8	6.5	8.18	54.45
FLORENCE, SC	4.71	0.87	1.180	84.9	8.4	33.4	7.2	76.5	7.1	6.96	50.64
LUBBOCK, TX	4.57	0.86	1.160	82.1	10.0	31.1	7.6	79.7	7.2	6.15	49.73

VARIETY	L(N) (IN.)	L (W) (IN.)	SFC(N) (%)	SFC (W) (%)	UQL (w) (IN.)	FINENESS (mN/TEX)	IFC (%)	MATURITY RATIO	NEP (5m)	SCN (5m)
				ADVANCED FIBER INFORMATION SYSTEM (AFIS) PROPERTIES						
LAS CRUCES, NM	0.93	1.08	16.1	5.1	1.27	178.1	3.5	0.95	92	7
COLLEGE STATION, TX	0.91	1.08	18.1	5.7	1.29	165.8	3.9	0.95	161	23
STONEVILLE, MS	0.97	1.13	14.6	4.3	1.32	170.9	3.4	0.96	89	15
KEISER, AR	0.95	1.11	15.4	4.7	1.31	172.9	3.1	0.97	100	10
PORTAGEVILLE, MO	0.93	1.10	16.9	5.2	1.30	173.7	3.6	0.96	177	23
BELLE MINA, AL	0.92	1.08	16.1	5.1	1.28	169.5	3.7	0.93	110	7
SAINT JOSEPH, LA	0.90	1.06	17.0	5.5	1.25	172.6	3.3	0.97	85	6
FLORENCE, SC	0.90	1.05	16.7	5.4	1.24	174.5	3.6	0.95	114	9
LUBBOCK, TX	0.84	1.01	21.1	7.3	1.21	172.2	4.1	0.94	177	15

INDIVIDUAL LOCATION DATA

LOCATION: LUBBOCK, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	SEED PROPERTIES: N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DP 1219B2RF	1132	1786	39.6	8.5	4.63	19.23	3.84	0.54	0.37	0.91
ALL-TEX NITRO 44B2RF	1069	2399	37.5	10.1	5.47	23.04	3.60	0.70	0.53	1.23
FM 2484B2F	1050	1933	39.2	10.3	4.87	23.02	3.75	0.62	0.42	1.04
PX 532211WRF	1030	1929	37.9	9.4	4.89	21.58	3.36	0.41	0.44	0.85
PX 433906WRF	1026	1635	39.8	9.1	5.01	20.76	3.82	0.73	0.49	1.22
PHX 4912WRF	926	1807	35.5	9.7	4.67	21.87	3.46	0.78	0.49	1.27
FM 9058F	904	1540	38.3	10.0	4.94	20.40	3.66	0.37	0.37	0.74
PHY 375WRF	883	1531	39.2	9.6	4.96	19.33	3.82	0.56	0.42	0.98
MD25-26ne	834	1532	38.3	10.4	5.12	21.64	3.85	0.70	0.55	1.25
LA 17	800	1287	34.0	9.9	4.55	20.68	3.82	0.65	0.41	1.05
Ark 0410-21	765	1207	40.3	9.6	4.54	22.46	3.90	0.95	0.58	1.53
ST 4145LLB2	744	1277	37.5	9.5	4.83	18.63	3.65	0.67	0.45	1.12
TAMCOT 73	738	1183	39.8	9.1	4.63	20.99	3.39	0.61	0.41	1.02
TAM 06WE-62-1	718	1421	36.8	12.2	6.75	20.46	3.75	0.44	0.34	0.78
DP 1048B2RF	716	989	38.8	8.9	4.85	15.22	4.01	0.64	0.40	1.04
ACALA 151708	714	1807	36.5	10.7	5.08	22.29	3.49	0.73	0.50	1.23
MD10-5	703	1192	37.1	9.1	3.77	14.97	3.88	0.52	0.36	0.88
Ark 0403-27	677	1085	39.6	11.0	5.42	21.75	4.00	0.81	0.52	1.33
NM 06N1168	661	1471	33.9	10.2	4.37	23.02	3.69	0.56	0.37	0.93
DP 1032B2RF	640	1010	39.4	9.4	5.15	15.81	3.89	0.55	0.39	0.94
LSD	298	544	1.6	1.0	1.12	1.37	0.51	0.10	0.08	0.17

	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)
DP 1219B2RF	4.84	0.87	1.123	81.1	11.4	30.9	7.5	80.2	7.6	5.28	45.74
ALL-TEX NITRO 44B2RF	4.42	0.85	1.181	82.9	9.0	30.3	8.4	80.7	7.2	6.68	44.65
FM 2484B2F	4.55	0.86	1.185	82.3	9.5	31.4	6.9	81.5	6.8	6.77	50.78
PX 532211WRF	4.51	0.86	1.156	82.0	10.3	27.0	8.3	80.1	7.0	5.09	47.79
PX 433906WRF	4.61	0.86	1.134	81.8	10.1	29.5	8.2	80.2	7.1	6.19	42.75
PHX 4912WRF	4.38	0.85	1.217	81.8	9.7	30.6	7.7	78.1	6.1	6.72	53.30
FM 9058F	4.67	0.87	1.095	79.8	13.2	28.7	6.7	79.5	7.6	6.97	48.38
PHY 375WRF	4.73	0.87	1.096	81.9	10.6	27.1	7.1	80.1	7.9	7.15	50.06
MD25-26ne	4.58	0.87	1.236	83.9	8.2	32.7	7.3	80.5	7.0	6.17	56.19
LA 17	4.29	0.86	1.223	83.3	8.6	34.2	7.7	80.5	6.7	5.67	52.00
Ark 0410-21	4.87	0.87	1.130	83.1	9.5	30.4	7.8	80.1	7.4	5.00	48.26
ST 4145LLB2	4.15	0.86	1.139	81.2	11.6	29.8	6.5	80.8	7.2	6.83	46.56
TAMCOT 73	4.89	0.87	1.134	82.3	9.7	33.5	8.1	78.3	7.4	5.56	47.05
TAM 06WE-62-1	4.76	0.87	1.174	83.1	8.9	38.6	8.0	78.1	7.3	4.98	51.20
DP 1048B2RF	4.37	0.84	1.162	82.1	9.8	27.8	9.0	79.6	7.5	6.14	45.60
ACALA 151708	4.73	0.87	1.202	83.0	8.9	37.5	7.6	78.0	7.0	5.98	56.15
MD10-5	4.67	0.86	1.125	80.9	10.9	31.3	7.2	81.5	7.2	6.52	51.25
Ark 0403-27	4.95	0.87	1.093	81.7	10.5	29.2	7.3	77.0	7.7	6.23	47.97
NM 06N1168	3.95	0.85	1.244	82.6	8.9	33.2	6.9	78.4	7.3	7.02	59.58
DP 1032B2RF	4.50	0.86	1.155	81.4	11.7	29.1	7.8	80.9	7.3	6.10	49.34
LSD	0.36	0.01	0.047	1.7	1.8	3.0	0.6	2.1	0.6	1.83	8.52

	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 (5m)	SCN (5m)
DP 1219B2RF	0.82	0.99	21.5	7.6	1.19	176.7	3.7	0.96	124	9
ALL-TEX NITRO 44B2RF	0.86	1.03	20.0	6.8	1.23	167.5	4.4	0.93	199	15
FM 2484B2F	0.86	1.04	20.5	6.9	1.24	170.7	3.5	0.97	136	8
PX 532211WRF	0.83	1.01	22.5	8.0	1.22	167.8	4.7	0.92	170	13
PX 433906WRF	0.85	1.00	19.5	6.8	1.20	171.3	4.4	0.93	159	20
PHX 4912WRF	0.88	1.06	20.0	6.7	1.28	167.3	4.3	0.94	168	13
FM 9058F	0.75	0.94	28.5	10.6	1.15	168.5	4.7	0.94	174	10
PHY 375WRF	0.78	0.94	24.5	9.1	1.14	174.5	4.3	0.93	177	11
MD25-26ne	0.91	1.08	18.5	5.8	1.29	179.5	3.8	0.97	159	9
LA 17	0.88	1.06	19.5	6.4	1.27	167.5	4.0	0.94	209	18
Ark 0410-21	0.86	1.00	17.5	6.1	1.18	178.5	3.2	0.96	133	7
ST 4145LLB2	0.83	0.99	21.0	7.6	1.20	173.0	4.5	0.93	199	17
TAMCOT 73	0.84	0.99	20.0	7.0	1.17	179.7	3.8	0.96	173	15
TAM 06WE-62-1	0.88	1.05	18.5	6.0	1.24	172.7	3.1	0.98	178	28
DP 1048B2RF	0.83	1.01	21.5	7.9	1.21	172.0	5.4	0.90	177	14
ACALA 151708	0.86	1.04	19.5	6.6	1.24	172.8	3.4	0.98	169	22
MD10-5	0.80	0.97	23.0	8.2	1.17	174.0	4.4	0.94	227	15
Ark 0403-27	0.80	0.96	22.0	7.6	1.14	180.0	4.0	0.95	168	27
NM 06N1168	0.87	1.05	21.5	7.2	1.28	158.0	4.1	0.95	266	17
DP 1032B2RF	0.83	1.00	22.0	7.9	1.22	171.2	4.3	0.93	177	10
LSD	0.05	0.05	3.2	1.3	0.06	8.5	0.7	0.02	37	11

LOCATION: COLLEGE STATION, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
DP 1048B2RF	2097	2915	41.9	8.8	4.94	15.23	3.55	0.68	0.48	1.15
PX 433906WRF	2069	2993	40.9	9.4	5.35	19.89	3.20	0.61	0.41	1.02
PHY 375WRF	2035	3033	40.1	10.2	5.49	21.07	3.32	0.78	0.62	1.40
DP 1219B2RF	2011	2908	40.9	8.2	4.72	19.69	3.27	0.49	0.35	0.84
PX 532211WRF	1920	3080	38.4	9.6	5.11	21.87	3.61	0.43	0.50	0.93
MD10-5	1880	2664	41.4	9.1	5.38	14.56	3.68	0.48	0.33	0.81
DP 1032B2RF	1762	2442	41.9	8.6	5.01	16.04	3.40	0.57	0.48	1.04
MD25-26ne	1760	3013	36.9	10.5	6.20	21.14	3.65	0.68	0.56	1.24
Ark 0403-27	1709	2486	40.7	11.9	6.33	21.71	3.48	0.99	0.82	1.81
ALL-TEX NITRO 44B2RF	1676	2680	38.5	11.7	6.29	23.25	3.25	0.67	0.54	1.21
PHX 4912WRF	1669	2808	37.3	9.6	4.84	20.31	3.15	0.82	0.53	1.35
Ark 0410-21	1567	2388	39.6	9.4	5.14	22.30	3.60	1.10	0.64	1.74
TAMCOT 73	1530	2682	36.3	11.2	5.13	21.16	3.35	0.64	0.48	1.12
LA 17	1517	2728	35.7	11.4	6.02	22.23	3.19	0.66	0.50	1.15
FM 9058F	1458	2505	36.8	11.3	5.77	21.17	3.23	0.41	0.46	0.87
TAM 06WE-62-1	1446	2505	36.6	12.1	7.03	20.50	3.43	0.58	0.39	0.97
ACALA 151708	1415	2368	37.4	10.7	5.74	20.47	3.22	0.73	0.51	1.24
NM 06N1168	1412	2534	35.8	10.7	5.03	23.08	3.25	0.70	0.44	1.13
LSD	216	340	0.6	0.5	0.96	1.53	0.35	0.14	0.12	0.26

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	SPINNING DATA: YT (mN/TEX)
DP 1048B2RF	4.26	0.85	1.171	82.7	8.7	29.0	7.3	77.9	7.8	9.81	45.66
PX 433906WRF	4.32	0.86	1.190	83.7	7.6	30.0	6.7	77.0	5.9	10.1	47.87
PHY 375WRF	4.31	0.86	1.152	82.5	8.5	28.8	6.9	75.9	6.3	9.77	44.20
DP 1219B2RF	4.32	0.86	1.181	82.4	8.4	31.7	6.5	78.1	6.7	10.0	51.86
PX 532211WRF	4.19	0.86	1.211	82.0	9.1	29.6	6.6	76.2	6.7	11.1	50.62
MD10-5	4.69	0.87	1.140	82.0	8.3	31.2	6.9	76.4	6.4	9.65	54.17
DP 1032B2RF	4.43	0.87	1.174	82.1	8.8	30.2	6.4	76.3	7.2	10.8	49.52
MD25-26ne	4.14	0.86	1.286	84.9	5.9	33.9	6.3	74.2	6.9	10.9	54.80
Ark 0403-27	4.87	0.88	1.179	85.0	7.0	30.7	6.3	75.4	7.2	10.1	44.97
ALL-TEX NITRO 44B2RF	4.05	0.86	1.238	83.9	7.1	31.1	6.8	72.5	6.5	15.8	50.43
PHX 4912WRF	4.13	0.86	1.237	83.6	7.5	31.2	6.0	76.4	6.0	10.6	50.86
Ark 0410-21	4.56	0.87	1.176	84.3	7.1	30.9	6.4	76.3	6.6	10.7	47.96
TAMCOT 73	4.44	0.87	1.196	83.5	7.3	33.6	6.1	74.2	6.9	19.9	52.42
LA 17	4.48	0.87	1.230	84.7	6.9	33.5	6.3	73.2	6.0	12.8	48.85
FM 9058F	4.12	0.87	1.216	82.5	8.1	30.6	5.6	76.7	6.0	12.3	49.20
TAM 06WE-62-1	4.10	0.86	1.250	85.8	6.1	38.2	6.2	72.8	7.2	12.2	55.13

ACALA 151708	4.54	0.87	1.227	84.6	7.1	35.1	6.2	70.4	6.6	15.7	52.35
NM 06N1168	3.89	0.85	1.252	83.0	7.3	32.3	6.2	73.4	6.7	14.8	57.31
LSD	0.27	0.01	0.036	1.8	1.1	2.1	0.5	3.9	0.6	5.22	7.75

	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 (5m)	SCN (5m)
DP 1048B2RF	0.88	1.04	19.5	6.6	1.25	168.2	4.7	0.92	151	21
PX 433906WRF	0.91	1.07	18.0	5.7	1.28	167.4	4.0	0.95	127	19
PHY 375WRF	0.84	1.02	21.5	7.2	1.22	162.9	4.8	0.92	165	26
DP 1219B2RF	0.88	1.05	19.0	6.3	1.25	167.3	3.5	0.97	120	16
PX 532211WRF	0.86	1.06	22.5	7.5	1.29	159.8	5.2	0.92	196	17
MD10-5	0.89	1.03	15.0	4.9	1.20	168.3	2.9	0.96	131	14
DP 1032B2RF	0.88	1.05	19.0	6.3	1.25	169.7	3.9	0.95	143	17
MD25-26ne	0.93	1.13	19.5	5.8	1.35	169.8	4.4	0.96	221	20
Ark 0403-27	0.89	1.05	18.5	5.7	1.23	181.3	3.7	0.96	155	30
ALL-TEX NITRO 44B2RF	0.91	1.09	19.0	6.0	1.31	159.9	4.2	0.93	204	25
PHX 4912WRF	0.93	1.12	18.3	5.8	1.35	158.1	3.9	0.95	170	28
Ark 0410-21	0.87	1.04	19.5	6.5	1.24	168.5	4.1	0.96	154	19
TAMCOT 73	0.96	1.11	14.0	4.2	1.29	170.7	3.1	0.97	118	28
LA 17	0.97	1.13	15.0	4.4	1.33	169.4	2.9	0.98	163	25
FM 9058F	0.90	1.10	20.5	6.4	1.32	161.5	4.2	0.96	128	15
TAM 06WE-62-1	0.97	1.13	14.5	4.3	1.33	162.7	2.9	0.99	196	24
ACALA 151708	0.94	1.12	17.0	5.0	1.33	168.0	3.2	0.98	159	47
NM 06N1168	0.98	1.17	15.5	4.6	1.39	152.2	4.2	0.95	194	36
LSD	0.05	0.05	3.8	1.3	0.05	7.6	0.8	0.02	71	12

LOCATION: SAINT JOSEPH, LA

						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 (%)
MD10-5	1294	1716	43.0	9.2	5.31	15.12	3.73	0.50	0.35	0.85
PX 532211WRF	1275	1829	41.0	10.0	4.76	20.44	3.61	0.39	0.39	0.78
PX 433906WRF	1246	1720	42.0	9.2	5.17	18.29	3.52	0.65	0.44	1.09
DP 1219B2RF	1241	1699	42.3	8.9	5.07	17.48	3.25	0.50	0.36	0.86
PHY 375WRF	1236	1668	42.6	9.8	4.96	18.79	3.73	0.62	0.47	1.08
ALL-TEX NITRO 44B2RF	1202	1822	39.8	11.3	4.91	23.49	3.60	0.64	0.45	1.09
PHX 4912WRF	1202	1716	41.0	9.2	5.69	18.41	3.59	0.69	0.43	1.12
DP 1048B2RF	1184	1567	43.0	9.4	4.66	15.15	3.68	0.63	0.41	1.04
LA 17	1173	1974	37.3	11.3	5.33	20.27	3.56	0.59	0.41	0.99
Ark 0403-27	1152	1397	45.3	11.0	4.65	20.42	3.90	0.89	0.62	1.51
Ark 0410-21	1125	1555	42.0	9.1	5.03	21.23	3.82	0.87	0.48	1.35
MD25-26ne	1081	1645	39.5	10.7	5.38	19.43	3.60	0.65	0.53	1.18

DP 1032B2RF	1037	1388	42.8	8.3	5.37	14.92	3.86	0.51	0.38	0.89
NM 06N1168	1026	1690	37.8	10.5	4.82	21.52	3.56	0.57	0.37	0.94
TAMCOT 73	1009	1590	38.8	10.8	5.64	20.00	3.39	0.61	0.45	1.05
NM 06N1166	989	1716	36.5	10.4	4.98	21.61	3.59	0.58	0.37	0.95
FM 9058F	987	1471	40.2	11.0	5.07	19.07	3.23	0.41	0.39	0.80
ST 4145LLB2	985	1542	39.0	9.8	4.99	19.18	3.36	0.70	0.48	1.17
FM 2484B2F	965	1373	41.3	10.4	4.91	21.12	3.38	0.64	0.43	1.07
ACALA 151708	947	1502	38.7	.	5.82	19.61	3.49	0.63	0.45	1.08
TAM 06WE-62-1	868	1427	37.8	12.0	5.03	19.31	3.50	0.51	0.34	0.85
LSD	203	296	1.2	0.6	0.99	1.37	0.34	0.05	0.03	0.07

	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)
MD10-5	5.02	0.88	1.141	84.2	7.1	33.0	6.9	76.2	5.5	13.3	55.86
PX 532211WRF	4.47	0.87	1.204	84.4	8.8	32.7	7.0	78.6	6.4	7.87	49.11
PX 433906WRF	4.08	0.85	1.212	85.3	8.0	32.2	6.9	80.7	6.1	7.98	52.15
DP 1219B2RF	4.75	0.88	1.195	84.3	8.9	37.4	6.4	81.6	6.6	7.18	56.36
PHY 375WRF	4.55	0.87	1.125	83.7	9.0	28.6	6.8	79.9	6.4	7.93	51.38
ALL-TEX NITRO 44B2RF	4.12	0.86	1.233	85.1	7.7	34.2	6.8	78.5	6.3	9.21	56.71
PHX 4912WRF	4.29	0.86	1.224	84.3	8.0	33.3	6.4	80.6	5.7	12.1	46.04
DP 1048B2RF	4.89	0.87	1.152	83.1	9.7	29.9	7.3	78.5	7.2	7.40	43.22
LA 17	4.83	0.88	1.263	86.7	6.4	37.8	6.6	77.3	6.8	7.55	58.67
Ark 0403-27	5.25	0.89	1.119	83.8	8.4	31.6	6.4	78.4	7.1	6.26	53.73
Ark 0410-21	4.71	0.87	1.116	83.3	9.4	31.5	6.6	77.9	6.0	8.13	60.52
MD25-26ne	4.32	0.87	1.292	87.7	5.9	37.5	6.4	79.4	6.2	7.42	55.71
DP 1032B2RF	4.79	0.88	1.185	83.8	9.0	32.3	6.1	80.4	6.6	7.97	49.43
NM 06N1168	4.08	0.86	1.264	85.2	6.9	33.3	6.1	76.9	5.9	7.26	59.90
TAMCOT 73	5.05	0.89	1.207	84.8	7.3	35.3	6.4	78.9	7.0	7.76	56.14
NM 06N1166	3.84	0.86	1.286	85.9	6.1	34.6	5.8	78.6	6.1	6.96	56.90
FM 9058F	4.67	0.88	1.216	85.4	8.1	34.0	5.9	81.5	6.6	6.43	53.77
ST 4145LLB2	4.53	0.87	1.129	83.8	8.4	30.3	5.9	77.8	6.1	9.79	55.45
FM 2484B2F	4.62	0.88	1.192	84.4	8.4	33.2	5.9	80.2	6.3	8.56	57.88
ACALA 151708	4.87	0.88	1.236	84.9	7.2	39.2	6.7	76.8	6.6	8.06	56.09
TAM 06WE-62-1	4.71	0.88	1.227	86.4	7.1	42.5	6.1	76.2	8.4	6.68	58.53
LSD	0.40	0.01	0.046	1.5	1.7	2.5	0.4	2.9	0.9	5.09	10.11

	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 (5m)	SCN (5m)
MD10-5	0.91	1.03	12.0	3.8	1.18	178.8	2.4	1.00	55	4
PX 532211WRF	0.89	1.06	19.0	6.2	1.26	169.0	4.1	0.94	85	9
PX 433906WRF	0.93	1.09	17.0	5.4	1.29	165.4	4.4	0.93	83	9
DP 1219B2RF	0.88	1.06	19.5	6.3	1.26	173.3	3.4	0.98	72	2
PHY 375WRF	0.81	0.97	22.0	7.6	1.15	168.5	4.4	0.93	91	8
ALL-TEX NITRO 44B2RF	0.90	1.09	19.0	5.9	1.29	164.7	3.9	0.94	120	16

PHX 4912WRF	0.89	1.07	20.5	6.6	1.28	170.3	3.9	0.95	74	8
DP 1048B2RF	0.91	1.05	15.5	5.1	1.24	182.0	3.5	0.95	78	1
LA 17	0.98	1.12	12.0	3.6	1.30	181.9	2.2	1.01	69	8
Ark 0403-27	0.86	1.00	17.0	5.5	1.16	193.2	2.5	1.00	91	7
Ark 0410-21	0.83	0.98	19.0	6.7	1.16	178.5	3.2	0.98	126	6
MD25-26ne	1.01	1.16	13.0	3.6	1.35	173.9	2.8	0.99	89	5
DP 1032B2RF	0.85	1.02	21.0	7.2	1.22	170.8	4.2	0.95	92	7
NM 06N1168	0.97	1.12	12.5	3.8	1.31	154.2	3.0	0.97	98	7
TAMCOT 73	0.94	1.09	14.5	4.4	1.28	180.5	3.0	0.99	71	6
NM 06N1166	0.97	1.13	13.5	4.1	1.33	151.7	3.2	0.96	94	5
FM 9058F	0.90	1.07	17.5	5.6	1.26	173.0	3.3	0.98	61	2
ST 4145LLB2	0.83	1.00	21.0	7.0	1.17	179.8	4.0	0.96	91	9
FM 2484B2F	0.89	1.07	19.5	6.2	1.27	168.2	3.6	0.97	98	6
ACALA 151708	0.89	1.05	17.0	5.6	1.24	178.2	2.5	1.01	92	10
TAM 06WE-62-1	0.92	1.09	16.0	5.0	1.27	169.2	2.7	1.01	66	4
LSD	0.05	0.04	3.8	1.4	0.05	8.1	1.0	0.02	36	6

LOCATION: STONEVILLE, 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 (%)
Ark 0403-27	1674	2266	42.5	12.1	6.29	20.98	3.37	1.03	0.75	1.78
PHY 375WRF	1540	2050	42.9	10.3	5.22	19.90	3.07	0.77	0.56	1.32
DP 1048B2RF	1537	1866	45.2	9.1	5.37	16.07	3.19	0.73	0.49	1.21
DP 1032B2RF	1537	1870	45.1	8.5	5.24	15.18	3.11	0.58	0.49	1.07
ALL-TEX NITRO 44B2RF	1527	2331	39.6	11.5	5.69	23.35	3.13	0.73	0.51	1.23
FM 9058F	1517	2383	38.9	11.0	5.48	19.04	2.99	0.42	0.41	0.83
FM 2484B2F	1508	2209	40.6	10.8	5.19	21.31	2.76	0.76	0.46	1.22
TAM 06WE-62-1	1488	2546	36.9	13.5	6.45	17.82	3.08	0.53	0.35	0.87
PX 532211WRF	1481	2139	40.9	10.3	5.37	21.98	2.90	0.47	0.49	0.96
Ark 0410-21	1475	2024	42.2	9.6	5.08	22.21	3.43	1.14	0.61	1.74
MD25-26ne	1458	2225	39.6	10.9	5.93	21.75	3.07	0.85	0.67	1.52
PX 433906WRF	1458	1898	43.4	9.3	5.04	20.17	3.11	0.84	0.52	1.36
MD10-5	1429	2004	41.6	9.3	5.36	15.42	3.32	0.57	0.36	0.92
TAMCOT 73	1409	2306	37.9	11.0	5.28	21.60	2.97	0.68	0.45	1.13
DP 1219B2RF	1406	1943	42.0	9.0	4.92	19.15	3.04	0.64	0.44	1.08
PHX 4912WRF	1405	2063	40.5	10.1	4.63	20.37	3.09	0.88	0.53	1.40
ST 4145LLB2	1389	2151	39.2	10.6	5.19	19.12	2.81	0.92	0.57	1.49
NM 06N1166	1368	1904	41.8	8.7	5.52	15.21	3.25	0.55	0.36	0.91
ACALA 151708	1357	2224	37.9	11.2	5.29	20.67	3.14	0.74	0.48	1.21
NM 06N1168	1345	2251	37.4	10.9	4.94	22.86	3.15	0.72	0.39	1.11
LA 17	1318	2468	34.8	11.5	5.35	20.22	2.92	0.74	0.50	1.24
LSD	97	150	0.5	0.4	0.27	1.21	0.24	0.04	0.03	0.07

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)
Ark 0403-27	4.73	0.88	1.218	85.5	7.6	34.4	5.8	79.7	7.7	9.23	49.26
PHY 375WRF	4.64	0.87	1.220	84.8	7.2	32.2	6.5	80.2	7.2	7.82	53.81
DP 1048B2RF	4.69	0.87	1.256	86.7	6.7	30.4	7.1	81.3	8.1	5.78	46.51
DP 1032B2RF	4.81	0.88	1.244	85.5	7.5	34.0	6.0	81.8	7.4	6.60	53.38
ALL-TEX NITRO 44B2RF	4.14	0.86	1.285	85.7	6.2	34.6	6.7	79.8	7.2	7.29	50.43
FM 9058F	4.52	0.88	1.279	84.9	7.0	35.4	5.4	80.8	7.0	8.14	54.71
FM 2484B2F	4.40	0.87	1.290	86.2	6.0	34.5	5.5	81.3	6.3	6.79	55.54
TAM 06WE-62-1	4.63	0.88	1.282	87.1	6.0	44.4	5.6	78.8	7.5	6.85	57.54
PX 532211WRF	4.36	0.86	1.311	86.2	5.8	31.9	6.6	80.1	7.0	6.64	57.49
Ark 0410-21	4.91	0.88	1.220	85.5	6.9	38.1	6.3	79.5	7.5	8.94	50.76
MD25-26ne	4.46	0.87	1.345	88.3	5.1	37.6	6.4	80.3	6.5	6.13	64.30
PX 433906WRF	4.54	0.87	1.240	84.9	7.1	33.7	6.7	80.4	6.5	7.67	46.26
MD10-5	4.58	0.87	1.218	84.5	6.8	35.6	6.2	81.0	6.9	6.88	60.82
TAMCOT 73	4.85	0.88	1.245	86.8	6.4	36.4	6.3	80.0	7.2	6.31	54.29
DP 1219B2RF	4.50	0.87	1.270	85.7	6.5	36.9	6.1	81.6	7.0	6.66	51.09
PHX 4912WRF	4.44	0.87	1.318	86.7	5.7	35.1	6.1	81.5	6.5	7.02	49.22
ST 4145LLB2	4.77	0.88	1.234	85.1	7.3	36.4	5.5	78.9	7.0	7.57	57.89
NM 06N1166	4.37	0.87	1.204	84.4	7.0	38.2	6.1	79.8	6.9	7.81	54.31
ACALA 151708	4.72	0.88	1.304	85.4	6.1	41.2	5.9	78.7	7.1	7.15	58.75
NM 06N1168	4.03	0.87	1.350	85.5	5.3	36.5	5.5	78.8	7.0	9.68	62.71
LA 17	4.24	0.86	1.302	87.0	5.7	36.0	6.3	80.0	6.5	7.08	57.48
LSD	0.19	0.01	0.033	1.3	1.1	2.7	0.4	1.8	0.4	2.70	13.58

	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 (5m)	SCN (5m)
Ark 0403-27	0.96	1.12	15.0	4.3	1.30	175.0	3.6	0.95	92	21
PHY 375WRF	0.91	1.07	16.5	5.2	1.26	174.9	3.6	0.95	69	15
DP 1048B2RF	0.96	1.12	14.0	4.3	1.31	176.8	3.9	0.93	74	8
DP 1032B2RF	0.93	1.09	16.0	5.2	1.29	176.7	3.2	0.96	83	9
ALL-TEX NITRO 44B2RF	0.97	1.13	15.5	4.5	1.33	168.7	3.7	0.95	123	19
FM 9058F	0.91	1.11	19.5	6.1	1.33	165.3	4.4	0.94	88	11
FM 2484B2F	0.98	1.15	14.5	4.2	1.35	165.4	3.6	0.96	82	17
TAM 06WE-62-1	0.99	1.15	14.5	4.2	1.35	164.7	2.9	0.99	87	14
PX 532211WRF	0.97	1.14	17.0	5.1	1.37	169.4	4.4	0.93	96	14
Ark 0410-21	0.98	1.12	11.0	3.2	1.29	183.5	2.4	0.99	71	10
MD25-26ne	1.07	1.21	10.5	2.7	1.39	176.2	2.6	0.98	71	13
PX 433906WRF	0.92	1.10	18.0	5.7	1.30	169.7	4.3	0.94	103	17
MD10-5	0.94	1.08	12.5	3.9	1.25	168.9	3.3	0.96	74	14
TAMCOT 73	0.98	1.12	12.0	3.5	1.30	182.3	2.9	0.99	78	10
DP 1219B2RF	0.94	1.11	16.5	5.2	1.32	172.5	3.6	0.97	90	20
PHX 4912WRF	1.00	1.18	15.5	4.6	1.40	170.9	3.2	0.97	116	21
ST 4145LLB2	0.93	1.09	15.5	4.9	1.28	178.0	3.5	0.96	82	17
NM 06N1166	0.94	1.07	12.5	3.8	1.24	166.0	3.1	0.96	84	14
ACALA 151708	1.02	1.18	13.5	3.8	1.39	170.0	2.7	0.99	98	20
NM 06N1168	1.04	1.21	12.5	3.5	1.43	154.4	3.1	0.97	117	24

LA 17	1.02	1.18	13.5	3.8	1.39	160.7	3.7	0.95	103	21
LSD	0.04	0.03	3.3	1.1	0.03	4.4	0.6	0.01	34	15

LOCATION: FLORENCE, SC

						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 (%)
PX 532211WRF	1537	2095	42.3	9.4	5.15	21.77	3.27	0.56	0.59	1.15
DP 1032B2RF	1501	1882	44.3	8.9	5.06	15.75	3.54	0.72	0.56	1.28
DP 1048B2RF	1349	1705	44.2	9.0	5.39	16.40	3.75	0.73	0.55	1.28
DP 1219B2RF	1219	1599	43.4	8.3	4.87	19.33	3.24	0.68	0.52	1.20
PX 433906WRF	1175	1569	42.9	9.2	5.37	21.66	3.29	0.93	0.65	1.57
FM 2484B2F	1173	1529	43.4	9.5	4.84	22.51	3.00	0.85	0.62	1.46
ST 4145LLB2	1116	1660	40.2	9.6	4.99	19.73	3.07	0.87	0.63	1.49
PHY 375WRF	1097	1416	43.6	9.4	5.16	20.75	3.25	0.86	0.65	1.51
LA 17	1065	1732	37.8	10.7	5.68	20.27	3.14	0.76	0.53	1.29
MD25-26ne	1035	1558	39.8	10.2	6.15	22.24	3.50	0.77	0.63	1.40
TAMCOT 73	1028	1578	39.5	9.5	5.57	22.16	3.38	0.73	0.56	1.28
MD10-5	1019	1308	43.8	8.9	5.85	16.44	3.33	0.61	0.44	1.05
ALL-TEX NITRO 44B2RF	1017	1469	41.0	10.9	5.75	23.24	3.59	0.78	0.61	1.38
PHX 4912WRF	1011	1513	40.0	9.5	5.49	21.33	3.34	0.93	0.61	1.53
Ark 0410-21	982	1351	42.1	8.9	5.27	22.20	3.61	1.09	0.65	1.74
FM 9058F	940	1325	41.6	10.3	6.02	21.53	3.04	0.51	0.51	1.02
Ark 0403-27	896	1157	43.6	11.1	6.15	20.75	3.69	1.02	0.73	1.75
ACALA 151708	828	1343	38.0	10.3	5.36	20.28	3.39	0.80	0.59	1.39
NM 06N1166	684	1135	37.6	9.9	5.75	.	.	.	.	.
TAM 06WE-62-1	682	1082	38.7	11.6	6.83	21.06	3.21	0.68	0.50	1.18
LSD	193	259	1.7	0.6	0.71	0.94	0.42	0.08	0.05	0.13

	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)
PX 532211WRF	4.46	0.86	1.221	85.4	8.1	31.1	8.2	78.1	7.3	6.22	48.53
DP 1032B2RF	4.76	0.87	1.192	85.0	8.6	32.5	7.2	77.2	7.0	6.74	47.55
DP 1048B2RF	4.68	0.86	1.157	84.7	9.2	28.6	8.1	76.1	7.8	6.83	46.78
DP 1219B2RF	4.71	0.87	1.187	83.9	9.4	34.5	7.2	76.9	7.2	6.23	51.35
PX 433906WRF	4.96	0.87	1.171	85.8	8.0	31.5	7.7	77.3	6.7	6.52	46.56
FM 2484B2F	4.47	0.87	1.192	83.7	9.6	32.6	6.6	77.0	6.3	5.83	53.79
ST 4145LLB2	4.73	0.87	1.123	84.4	9.2	30.9	6.7	74.6	6.7	9.14	46.61
PHY 375WRF	4.50	0.87	1.105	82.8	10.3	30.2	7.2	75.8	6.9	7.29	49.75
LA 17	4.72	0.87	1.230	86.9	7.1	35.2	7.2	76.4	7.3	6.89	56.93
MD25-26ne	4.97	0.88	1.236	86.6	7.0	35.9	6.7	76.0	6.9	6.61	58.75

TAMCOT 73	4.74	0.87	1.189	85.4	8.4	35.2	7.0	76.0	7.0	6.94	50.28
MD10-5	4.88	0.87	1.137	84.8	7.8	33.5	7.6	76.6	6.6	5.84	49.64
ALL-TEX NITRO 44B2RF	4.21	0.86	1.240	85.6	7.7	34.5	7.3	76.7	7.3	8.29	58.35
PHX 4912WRF	4.55	0.86	1.227	85.3	8.0	34.3	7.7	77.7	6.6	7.27	50.41
Ark 0410-21	5.05	0.87	1.130	84.2	8.3	33.2	7.5	75.9	6.8	8.37	46.49
FM 9058F	4.47	0.87	1.181	83.7	9.5	31.9	6.4	77.6	6.8	7.19	43.90
Ark 0403-27	5.35	0.89	1.109	85.1	8.4	32.3	7.0	76.2	8.2	7.10	46.85
ACALA 151708	4.81	0.87	1.198	84.5	7.7	37.6	7.0	75.9	7.3	6.83	50.79
NM 06N1166	.	.	.	.	.	.	.	.	.	.	.
TAM 06WE-62-1	4.48	0.87	1.205	86.3	7.5	40.2	6.8	76.8	8.2	6.09	58.97
LSD	0.27	0.01	0.040	1.8	1.5	2.0	0.6	1.4	0.4	2.69	9.98

	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 (5m)	SCN (5m)
PX 532211WRF	0.90	1.07	18.5	6.1	1.28	163.9	4.9	0.91	122	8
DP 1032B2RF	0.89	1.04	17.0	5.7	1.24	179.3	3.5	0.96	106	6
DP 1048B2RF	0.86	1.01	18.5	6.3	1.19	175.5	4.9	0.91	144	5
DP 1219B2RF	0.88	1.06	19.0	6.0	1.26	170.7	3.9	0.95	103	5
PX 433906WRF	0.90	1.04	15.5	5.0	1.22	177.2	3.4	0.95	125	14
FM 2484B2F	0.90	1.07	18.0	5.6	1.27	165.3	4.0	0.96	132	10
ST 4145LLB2	0.87	1.03	18.0	5.9	1.21	177.7	3.8	0.95	94	6
PHY 375WRF	0.81	0.97	22.0	7.7	1.15	171.5	5.0	0.92	127	13
LA 17	0.99	1.12	12.0	3.4	1.30	172.8	2.7	0.98	86	11
MD25-26ne	1.01	1.14	10.5	2.9	1.32	184.9	2.2	1.00	69	6
TAMCOT 73	0.93	1.08	14.5	4.5	1.26	176.4	3.5	0.96	93	7
MD10-5	0.89	1.02	13.5	4.5	1.18	177.0	2.7	0.97	83	8
ALL-TEX NITRO 44B2RF	0.91	1.09	17.0	5.2	1.28	162.7	4.4	0.92	172	9
PHX 4912WRF	0.89	1.07	18.5	6.1	1.28	169.0	3.9	0.95	175	9
Ark 0410-21	0.89	1.02	13.0	4.3	1.19	184.2	2.8	0.98	103	8
FM 9058F	0.86	1.04	21.5	7.1	1.24	170.0	4.4	0.95	127	10
Ark 0403-27	0.84	0.99	18.0	5.9	1.15	192.2	3.2	0.98	103	14
ACALA 151708	0.91	1.07	16.0	5.0	1.26	178.2	2.6	1.00	99	9
NM 06N1166	.	.	.	.	.	.	.	.	.	.
TAM 06WE-62-1	0.93	1.09	15.5	4.8	1.26	166.7	3.3	0.98	101	10
LSD	0.04	0.04	2.9	1.3	0.04	8.8	0.9	0.03	42	3

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 (%)
DP 1032B2RF	1567	.	.	10.0	.	14.79	4.41	0.55	0.44	0.99
DP 1219B2RF	1503	.	.	11.0	.	18.61	3.51	0.55	0.42	0.97
PX 433906WRF	1467	.	.	12.0	.	18.98	3.71	0.72	0.47	1.19

DP 1048B2RF	1444	.	.	10.0	.	15.65	4.39	0.65	0.44	1.08
PHY 375WRF	1408	.	.	12.0	.	20.39	4.19	0.63	0.46	1.09
PHX 4912WRF	1352	.	.	10.0	.	19.19	3.82	0.80	0.52	1.32
NM 06N1166	1346	.	.	.	.	.	.	.	.	.
ST 4145LLB2	1299	.	.	12.0	.	18.57	3.84	0.81	0.56	1.36
Ark 0410-21	1283	.	.	10.0	.	21.38	4.21	0.97	0.57	1.54
FM 2484B2F	1280	.	.	12.0	.	20.54	4.00	0.63	0.49	1.12
TAMCOT 73	1235	.	.	12.0	.	19.53	3.89	0.60	0.42	1.02
FM 9058F	1232	.	.	12.0	.	19.84	3.75	0.43	0.41	0.84
Ark 0403-27	1221	.	.	12.0	.	20.55	4.47	0.90	0.65	1.55
MD25-26ne	1221	.	.	12.0	.	20.23	3.98	0.63	0.49	1.11
PX 532211WRF	1196	.	.	10.0	.	19.87	3.93	0.38	0.41	0.78
ALL-TEX NITRO 44B2RF	1174	.	.	12.0	.	19.94	3.97	0.61	0.44	1.04
ACALA 151708	1138	.	.	12.0	.	19.91	4.11	0.64	0.44	1.08
MD10-5	1090	.	.	11.0	.	18.28	3.98	0.58	0.43	1.00
NM 06N1168	1090	.	.	12.0	.	20.43	4.12	0.59	0.39	0.98
LA 17	1032	.	.	12.0	.	19.92	4.08	0.59	0.40	0.99
TAM 06WE-62-1	915	.	.	13.0	.	19.85	3.82	0.53	0.38	0.91
LSD	129	.	.	1.7	.	3.01	0.28	0.09	0.09	0.18

	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)
DP 1032B2RF	4.70	0.88	1.206	83.2	9.5	33.1	6.1	77.0	7.4	35.9	49.15
DP 1219B2RF	4.58	0.87	1.206	82.5	9.5	36.3	6.2	78.4	7.9	7.18	57.67
PX 433906WRF	4.38	0.86	1.223	83.6	9.0	33.9	6.6	78.2	7.3	8.82	49.77
DP 1048B2RF	4.70	0.87	1.191	83.0	9.3	32.0	7.0	77.9	8.6	6.52	57.02
PHY 375WRF	4.62	0.87	1.178	81.9	9.7	31.6	6.2	76.9	8.1	8.06	60.28
PHX 4912WRF	4.32	0.87	1.274	83.4	7.5	33.8	6.1	77.9	7.7	8.33	44.53
NM 06N1166	.	.	.	.	.	.	.	.	.	.	.
ST 4145LLB2	4.72	0.88	1.202	83.0	8.9	33.6	5.4	75.0	7.9	12.1	47.92
Ark 0410-21	4.86	0.88	1.199	84.4	8.3	35.9	6.3	76.3	7.9	8.58	53.81
FM 2484B2F	4.47	0.88	1.219	82.9	9.4	35.6	5.1	79.6	7.5	7.50	53.84
TAMCOT 73	4.79	0.88	1.196	83.1	9.0	38.5	6.3	75.2	8.0	8.53	50.88
FM 9058F	4.51	0.88	1.201	83.1	9.1	34.0	5.7	78.6	7.8	24.1	42.10
Ark 0403-27	4.71	0.87	1.166	83.3	8.6	32.2	6.3	75.4	8.7	8.41	49.70
MD25-26ne	4.49	0.88	1.274	84.8	6.7	37.8	5.7	76.1	7.2	7.97	60.83
PX 532211WRF	4.35	0.86	1.244	82.9	8.7	32.0	6.6	77.9	7.9	7.82	52.12
ALL-TEX NITRO 44B2RF	4.41	0.87	1.267	83.9	7.1	38.6	6.4	76.0	8.0	9.38	51.67
ACALA 151708	4.76	0.88	1.243	82.9	8.0	41.9	5.5	75.1	8.2	8.42	54.04
MD10-5	5.23	0.89	1.175	83.3	8.1	36.2	6.2	76.2	7.6	8.28	62.35
NM 06N1168	3.88	0.87	1.310	83.9	6.0	38.2	5.2	75.8	7.8	9.18	57.09
LA 17	4.59	0.88	1.239	83.8	8.2	36.5	5.9	76.3	7.8	8.85	56.12
TAM 06WE-62-1	4.49	0.88	1.236	84.7	8.1	44.0	5.8	76.9	8.7	7.21	56.01
LSD	0.19	0.01	0.030	1.0	1.1	1.9	0.5	1.8	0.5	22.0	10.09

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 (5m)	SCN (5m)
DP 1032B2RF	0.92	1.09	18.0	5.7	1.29	177.2	3.9	0.95	129	17
DP 1219B2RF	0.89	1.07	21.0	6.8	1.29	175.5	4.2	0.95	167	20
PX 433906WRF	0.93	1.11	17.5	5.5	1.31	170.7	4.1	0.94	181	29
DP 1048B2RF	0.90	1.07	18.5	5.9	1.27	173.7	4.5	0.91	168	12
PHY 375WRF	0.86	1.04	21.0	6.7	1.24	179.0	4.4	0.95	191	18
NM 06N1166	.	.	.	.	.	.	.	.	.	.
ST 4145LLB2	0.90	1.08	19.5	6.1	1.29	183.2	3.6	0.96	197	40
Ark 0410-21	0.94	1.09	14.5	4.4	1.27	178.0	3.0	0.98	157	18
FM 2484B2F	0.95	1.12	16.0	4.7	1.32	174.9	3.0	0.99	148	10
TAMCOT 73	0.91	1.07	17.0	5.4	1.27	178.4	3.8	0.96	195	24
FM 9058F	0.90	1.08	18.5	6.0	1.28	173.2	3.9	0.97	198	22
Ark 0403-27	0.89	1.05	17.5	5.7	1.24	177.0	4.0	0.95	214	35
MD25-26ne	1.02	1.17	12.0	3.4	1.37	175.7	3.0	0.98	135	14
PX 532211WRF	0.94	1.12	18.0	5.4	1.34	169.5	4.4	0.93	171	16
ALL-TEX NITRO 44B2RF	0.99	1.16	15.0	4.2	1.36	171.7	3.4	0.96	199	32
ACALA 151708	0.94	1.11	17.0	5.1	1.32	176.7	2.9	1.00	159	43
MD10-5	0.93	1.07	13.0	4.1	1.24	185.7	2.4	0.99	130	18
NM 06N1168	1.01	1.19	14.5	4.2	1.41	153.7	3.2	0.97	218	26
LA 17	0.97	1.13	15.0	4.4	1.33	170.5	3.4	0.96	206	29
TAM 06WE-62-1	0.96	1.13	15.5	4.5	1.32	167.5	3.0	0.98	166	20
LSD	0.05	0.03	3.3	1.4	0.03	4.2	0.8	0.02	67	14

LOCATION: BELLE MINA, AL

						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 (%)
PX 433906WRF	1465	1988	42.4	10.1	4.29	20.28	3.20	0.89	0.62	1.51
DP 1032B2RF	1464	1894	43.6	9.0	4.09	16.92	3.47	0.70	0.50	1.19
DP 1048B2RF	1422	1780	44.4	8.9	4.14	16.22	3.57	0.85	0.58	1.43
ST 4145LLB2	1405	2142	39.6	9.8	4.00	19.65	3.08	0.88	0.62	1.50
PHY 375WRF	1389	1901	42.2	9.6	4.12	19.55	3.56	0.79	0.58	1.37
MD10-5	1387	1786	43.8	8.2	4.41	16.63	3.62	0.59	0.40	0.99
PHX 4912WRF	1312	2029	39.2	9.7	3.72	21.34	3.42	0.97	0.63	1.60
Ark 0410-21	1291	1758	42.2	9.3	3.92	22.78	3.52	1.04	0.74	1.78
NM 06N1168	1290	2026	38.9	9.3	4.26	22.39	3.33	0.65	0.44	1.08
PX 532211WRF	1264	1842	40.7	9.6	4.16	21.39	3.33	0.53	0.55	1.07
Ark 0403-27	1240	1633	43.1	11.1	4.77	20.28	3.38	1.03	0.75	1.78
MD25-26ne	1214	1775	40.6	10.3	4.83	20.80	3.30	0.78	0.62	1.40
LA 17	1211	1999	37.7	9.9	4.56	20.54	3.18	0.73	0.49	1.22
DP 1219B2RF	1204	1612	42.7	8.1	3.77	19.44	3.34	0.64	0.45	1.09
ACALA 151708	1173	1754	40.1	9.5	4.61	20.16	3.32	0.76	0.54	1.29
TAMCOT 73	1171	1831	39.0	10.5	4.56	21.08	3.21	0.71	0.50	1.21
FM 9058F	1169	1735	40.2	10.1	4.28	21.08	3.15	0.55	0.52	1.07
FM 2484B2F	1129	1540	42.3	10.6	4.21	22.33	3.30	0.73	0.54	1.27

ALL-TEX NITRO 44B2RF	967	1453	40.0	9.7	4.47	23.01	3.40	0.80	0.58	1.38
TAM 06WE-62-1	896	1445	38.3	10.8	4.83	20.32	3.23	0.72	0.48	1.20
LSD	172	208	1.1	0.9	0.44	1.63	0.35	0.06	0.05	0.10

	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)
PX 433906WRF	4.16	0.85	1.213	83.6	8.5	28.9	8.4	80.7	7.6	6.42	47.33
DP 1032B2RF	4.39	0.86	1.175	83.0	10.0	29.0	7.7	81.7	7.5	6.96	49.48
DP 1048B2RF	4.32	0.84	1.194	84.1	8.5	28.4	9.1	82.1	8.0	6.40	45.34
ST 4145LLB2	4.17	0.85	1.145	82.6	8.9	28.7	7.4	78.6	7.2	9.11	42.11
PHY 375WRF	4.19	0.85	1.156	82.6	9.4	28.5	7.6	80.0	8.2	11.7	47.89
MD10-5	4.39	0.86	1.125	83.9	7.6	31.6	7.5	79.6	6.1	7.24	56.27
PHX 4912WRF	3.78	0.84	1.280	84.4	7.1	29.6	7.9	79.6	7.0	6.33	49.24
Ark 0410-21	4.61	0.86	1.184	84.3	7.8	33.1	7.7	79.4	8.1	8.40	50.97
NM 06N1168	3.82	0.85	1.272	84.5	7.5	33.5	6.7	80.6	6.8	8.13	56.14
PX 532211WRF	3.98	0.84	1.266	84.4	7.6	28.7	8.3	81.9	7.5	4.79	45.98
Ark 0403-27	4.59	0.86	1.185	84.1	7.3	31.7	7.8	80.4	8.5	5.70	51.84
MD25-26ne	4.25	0.86	1.282	85.5	6.4	32.0	7.0	80.7	6.9	5.80	54.05
LA 17	4.18	0.85	1.253	85.1	7.3	32.9	7.7	80.8	7.3	6.96	49.72
DP 1219B2RF	3.82	0.85	1.245	83.4	8.3	34.5	7.6	82.0	8.4	6.60	49.58
ACALA 151708	4.20	0.86	1.237	83.7	8.0	35.8	7.1	81.3	7.5	6.41	51.04
TAMCOT 73	4.05	0.85	1.265	85.1	6.8	31.3	8.0	81.5	8.0	7.12	47.34
FM 9058F	3.83	0.85	1.262	83.7	7.6	30.3	6.8	83.5	7.8	5.98	46.57
FM 2484B2F	4.48	0.87	1.263	85.0	7.3	31.1	6.5	83.4	7.2	5.30	46.37
ALL-TEX NITRO 44B2RF	3.57	0.83	1.280	85.3	6.4	31.2	8.6	83.7	7.9	11.1	48.88
TAM 06WE-62-1	3.99	0.85	1.236	85.8	7.0	38.3	8.0	81.0	8.0	5.78	61.52
LSD	0.37	0.01	0.039	1.7	2.0	1.8	0.5	2.2	0.7	4.98	10.72

	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 (5m)	SCN (5m)
PX 433906WRF	0.92	1.08	16.0	5.2	1.27	169.7	3.9	0.91	97	6
DP 1032B2RF	0.87	1.04	19.0	6.7	1.24	172.7	4.3	0.92	94	10
DP 1048B2RF	0.91	1.06	16.5	5.3	1.24	170.8	4.2	0.88	100	8
ST 4145LLB2	0.86	1.03	21.0	7.0	1.23	178.9	4.1	0.93	98	10
PHY 375WRF	0.84	1.01	21.0	7.1	1.20	172.3	4.8	0.91	126	9
MD10-5	0.92	1.04	12.0	3.9	1.21	172.2	2.9	0.94	81	9
PHX 4912WRF	0.90	1.10	20.5	6.8	1.33	165.9	4.5	0.91	200	8
Ark 0410-21	0.88	1.02	17.0	5.7	1.21	181.0	3.6	0.95	113	12
NM 06N1168	0.98	1.14	13.5	4.1	1.35	155.9	3.1	0.96	158	9
PX 532211WRF	0.92	1.09	18.5	6.0	1.31	165.3	4.7	0.90	130	7
Ark 0403-27	0.94	1.07	12.5	3.8	1.23	183.4	2.8	0.95	81	3
MD25-26ne	1.01	1.15	12.0	3.5	1.34	179.4	2.8	0.96	98	5
LA 17	1.00	1.14	11.5	3.3	1.33	169.5	3.0	0.95	72	7
DP 1219B2RF	0.88	1.07	20.5	6.7	1.29	162.5	4.3	0.91	145	6

ACALA 151708	0.92	1.08	15.5	4.9	1.28	171.7	3.0	0.97	107	8
TAMCOT 73	0.95	1.10	15.0	4.5	1.30	167.7	3.9	0.92	96	9
FM 9058F	0.93	1.10	17.5	5.3	1.31	162.2	4.5	0.91	99	4
FM 2484B2F	0.97	1.13	14.0	4.3	1.33	167.5	3.2	0.95	91	8
ALL-TEX NITRO 44B2RF	0.95	1.13	16.0	4.6	1.34	156.7	4.2	0.89	134	11
TAM 06WE-62-1	0.96	1.10	13.0	3.9	1.28	166.0	2.8	0.95	86	2
LSD	0.07	0.06	5.4	2.1	0.05	7.0	1.1	0.03	81	9

LOCATION: LAS CRUCES, NM

						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 (%)
PX 433906WRF	2072	2420	46.2	.	5.52	24.36	2.65	0.98	0.72	1.70
Ark 0410-21	2066	2344	46.9	.	4.91	26.16	2.64	1.11	0.79	1.89
PX 532211WRF	1976	2380	45.4	.	5.00	24.10	2.49	0.64	0.63	1.26
MD10-5	1965	2304	46.1	.	5.36	18.88	2.58	0.75	0.57	1.32
FM 2484B2F	1952	2287	46.0	.	4.88	23.61	2.31	0.88	0.65	1.52
DP 1219B2RF	1940	2246	46.4	.	5.32	23.58	2.83	0.80	0.61	1.41
Ark 0403-27	1926	2167	47.1	.	5.66	24.09	2.61	1.03	0.79	1.82
MD25-26ne	1886	2448	43.5	.	5.90	24.00	2.51	0.95	0.80	1.75
DP 1032B2RF	1866	2027	48.0	.	4.56	21.62	2.70	0.76	0.57	1.32
TAMCOT 73	1778	2253	44.1	.	5.17	25.42	2.75	0.81	0.61	1.42
PHY 375WRF	1765	2005	47.0	.	5.16	23.21	2.63	0.92	0.74	1.66
NM 06N1168	1729	2420	41.8	.	5.36	23.10	2.34	0.74	0.50	1.24
ALL-TEX NITRO 44B2RF	1697	2082	44.9	.	5.39	25.71	2.45	0.91	0.70	1.60
DP 1048B2RF	1696	1885	47.4	.	4.85	18.85	2.70	0.94	0.65	1.58
ACALA 151708	1634	2253	42.0	.	5.26	22.94	2.52	0.88	0.66	1.53
FM 9058F	1633	2002	44.9	.	5.67	23.58	2.54	0.65	0.56	1.21
ST 4145LLB2	1596	2101	43.1	.	5.31	22.36	2.30	0.92	0.67	1.59
PHX 4912WRF	1579	2293	40.8	.	4.69	23.70	2.56	1.04	0.70	1.73
LA 17	1521	2171	41.2	.	5.66	22.88	2.28	0.90	0.68	1.58
TAM 06WE-62-1	1022	1495	39.7	.	6.38	24.65	2.59	0.83	0.64	1.47
LSD	335	490	1.8	.	0.63	1.06	0.29	0.10	0.08	0.18

	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)
PX 433906WRF	4.84	0.86	1.239	87.0	6.8	32.2	8.8	83.1	7.9	5.92	40.04
Ark 0410-21	4.91	0.87	1.186	86.1	7.2	34.5	7.4	81.5	8.6	7.48	48.64
PX 532211WRF	4.39	0.85	1.248	87.8	6.3	31.5	8.4	83.5	8.1	6.67	50.44
MD10-5	4.76	0.87	1.192	85.9	7.6	33.3	7.2	81.7	7.9	7.45	50.14
FM 2484B2F	4.32	0.86	1.281	87.7	6.3	34.1	6.6	82.9	6.9	5.77	53.23
DP 1219B2RF	4.73	0.86	1.216	86.2	7.3	35.1	7.9	82.8	8.4	5.49	53.69

Ark 0403-27	5.04	0.88	1.188	86.2	7.2	31.4	6.7	80.0	8.4	6.69	50.23
MD25-26ne	4.68	0.87	1.316	88.7	5.5	35.6	6.6	82.2	7.9	5.56	49.87
DP 1032B2RF	4.98	0.87	1.191	86.0	8.3	32.3	7.6	84.0	8.7	7.88	49.94
TAMCOT 73	4.63	0.86	1.227	86.3	7.0	35.4	8.2	79.5	8.2	8.32	44.94
PHY 375WRF	4.65	0.86	1.155	85.2	7.8	30.3	7.8	82.3	8.9	6.98	48.51
NM 06N1168	4.11	0.86	1.324	86.7	5.7	35.7	6.3	82.0	8.3	6.86	57.07
ALL-TEX NITRO 44B2RF	4.31	0.86	1.310	87.7	5.7	33.3	8.0	82.1	8.0	6.44	60.97
DP 1048B2RF	4.76	0.86	1.221	85.9	7.8	28.7	7.8	82.3	8.7	7.79	44.86
ACALA 151708	4.68	0.87	1.272	87.5	6.2	36.1	6.8	81.6	8.6	6.41	52.07
FM 9058F	4.40	0.87	1.227	85.3	8.3	32.5	6.1	83.3	7.3	6.57	52.51
ST 4145LLB2	4.94	0.88	1.204	86.5	7.1	32.7	6.4	82.8	8.8	8.19	47.91
PHX 4912WRF	4.28	0.86	1.308	87.3	5.8	31.8	7.4	84.2	8.1	6.10	51.74
LA 17	4.73	0.87	1.278	87.5	6.3	34.0	7.3	83.0	8.1	6.05	58.29
TAM 06WE-62-1	4.72	0.87	1.216	87.3	6.4	39.0	7.9	81.6	8.6	5.54	54.60
LSD	0.21	0.01	0.062	2.6	1.3	2.1	0.9	2.7	0.9	2.28	13.15

	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 (5m)	SCN (5m)
PX 433906WRF	0.95	1.10	14.0	4.6	1.28	177.0	3.7	0.93	81	5
Ark 0410-21	0.91	1.04	14.0	4.6	1.21	189.2	2.6	0.97	79	4
PX 532211WRF	0.93	1.10	17.0	5.4	1.30	173.0	4.2	0.92	75	8
MD10-5	0.87	1.02	18.0	6.1	1.20	184.0	3.3	0.95	115	12
FM 2484B2F	0.91	1.09	18.0	5.8	1.30	171.0	3.4	0.96	88	5
DP 1219B2RF	0.92	1.09	18.5	5.8	1.30	174.0	3.8	0.94	79	5
Ark 0403-27	0.88	1.04	17.5	5.6	1.21	183.2	4.1	0.94	98	11
MD25-26ne	0.99	1.14	12.5	3.7	1.32	187.2	2.6	0.98	101	6
DP 1032B2RF	0.90	1.06	16.5	5.4	1.24	186.5	3.2	0.96	80	7
TAMCOT 73	0.94	1.08	14.0	4.3	1.26	176.7	3.5	0.94	84	8
PHY 375WRF	0.86	1.02	19.0	6.5	1.20	176.8	4.4	0.92	93	8
NM 06N1168	1.02	1.18	13.5	4.0	1.39	163.5	3.3	0.96	98	7
ALL-TEX NITRO 44B2RF	0.95	1.12	16.5	5.0	1.33	169.2	4.2	0.93	129	7
DP 1048B2RF	0.92	1.06	15.5	5.1	1.23	182.0	3.9	0.90	101	9
ACALA 151708	0.91	1.08	18.0	5.8	1.29	170.3	3.7	0.96	120	13
FM 9058F	0.90	1.07	19.0	6.1	1.28	176.7	4.2	0.94	92	8
ST 4145LLB2	0.89	1.05	17.5	5.6	1.24	193.5	3.2	0.97	81	10
PHX 4912WRF	0.94	1.11	17.0	5.6	1.32	174.9	3.9	0.94	96	4
LA 17	0.99	1.14	13.0	3.9	1.33	178.7	2.8	0.97	80	7
TAM 06WE-62-1	0.98	1.12	13.0	3.8	1.29	174.0	3.0	0.96	70	9
LSD	0.06	0.05	4.0	1.6	0.05	7.2	0.7	0.02	33	9

LOCATION: KEISER, AR

					SEED PROPERTIES		GOSSYPOL DATA	
LINT YIELD	SEED YIELD	LINT	SEED	BOLL SIZE	OIL	N		FREE

VARIETY	(LB/ACRE)	(LB/AC)	PERCENT	INDEX	(g/BOLL)	(%)	(%)	PLUS	MINUS	(%)
PX 433906WRF	1768	2593	40.7	10.8	4.80	19.18	3.64	0.64	0.46	1.10
MD10-5	1683	2486	40.8	9.8	5.04	14.41	3.89	0.53	0.38	0.91
DP 1032B2RF	1631	2192	41.2	9.9	4.73	15.06	3.61	0.56	0.47	1.03
ST 4145LLB2	1605	2782	37.5	11.0	4.72	18.93	3.70	0.73	0.52	1.25
DP 1048B2RF	1591	2277	40.5	10.4	4.94	15.44	4.19	0.71	0.50	1.21
MD25-26ne	1565	2582	37.7	12.3	5.86	20.75	4.08	0.65	0.56	1.21
PHY 375WRF	1530	2179	40.7	10.2	4.75	19.28	3.50	0.69	0.55	1.24
Ark 0410-21	1515	2241	41.0	11.9	5.34	20.19	4.01	0.97	0.74	1.71
PX 532211WRF	1460	2348	38.5	10.4	4.57	19.20	3.89	0.33	0.38	0.71
Ark 0403-27	1451	2169	39.8	10.7	3.97	22.27	4.01	0.99	0.62	1.61
DP 1219B2RF	1425	2235	39.7	9.8	4.77	17.35	3.55	0.50	0.41	0.91
FM 9058F	1424	2271	38.5	12.4	4.88	19.77	3.63	0.41	0.42	0.83
ALL-TEX NITRO 44B2RF	1411	2286	37.8	12.7	5.13	21.74	3.60	0.57	0.47	1.04
TAMCOT 73	1397	2230	37.6	11.5	4.80	19.93	3.71	0.51	0.38	0.89
ACALA 151708	1329	2417	36.2	11.9	4.96	19.72	3.73	0.68	0.49	1.17
FM 2484B2F	1233	1920	39.0	11.6	4.27	21.00	3.82	0.56	0.41	0.97
TAM 06WE-62-1	1227	2102	36.1	12.8	5.56	19.32	3.72	0.46	0.35	0.81
NM 06N1168	1219	2239	34.6	11.7	4.76	21.68	4.06	0.63	0.41	1.04
PHX 4912WRF	1211	2134	36.6	10.7	4.89	20.16	3.59	0.76	0.50	1.26
LA 17	1121	1919	34.7	11.2	4.69	18.76	3.41	0.55	0.40	0.95
LSD	139	270	1.2	0.8	0.65	1.51	0.35	0.06	0.06	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)
PX 433906WRF	4.90	0.87	1.246	86.2	6.8	32.2	7.2	77.9	4.8	7.79	50.56
MD10-5	4.66	0.87	1.185	84.1	7.2	36.4	6.7	78.0	5.4	8.92	58.16
DP 1032B2RF	4.69	0.88	1.250	84.8	7.7	32.3	5.9	80.1	6.0	7.00	46.64
ST 4145LLB2	4.54	0.87	1.214	84.5	8.0	33.3	5.7	75.0	5.0	9.76	44.24
DP 1048B2RF	4.70	0.87	1.227	84.0	8.7	29.9	7.2	77.8	6.4	6.67	47.61
MD25-26ne	4.96	0.88	1.305	86.1	5.9	35.7	5.9	77.2	5.0	7.70	52.19
PHY 375WRF	4.33	0.86	1.206	85.0	7.5	32.7	6.4	78.6	6.1	8.94	56.06
Ark 0410-21	4.56	0.87	1.189	84.9	7.5	32.7	6.3	78.5	6.5	6.31	58.50
PX 532211WRF	4.34	0.86	1.270	85.6	6.9	30.7	6.8	78.4	5.8	7.16	47.44
Ark 0403-27	5.00	0.88	1.219	85.4	7.4	35.7	6.4	76.9	6.0	7.91	51.35
DP 1219B2RF	4.92	0.88	1.247	83.9	7.6	33.8	6.3	80.2	6.0	9.45	49.04
FM 9058F	4.59	0.88	1.239	84.4	7.9	32.8	5.6	80.5	5.8	7.07	51.04
ALL-TEX NITRO 44B2RF	4.22	0.86	1.314	85.2	5.9	34.1	6.6	76.7	5.5	9.24	50.38
TAMCOT 73	4.63	0.88	1.223	85.0	7.2	36.9	6.4	76.9	5.7	7.81	44.91
ACALA 151708	4.60	0.88	1.298	85.5	6.0	37.6	6.1	76.2	5.6	8.24	63.83
FM 2484B2F	4.27	0.87	1.273	85.6	6.8	34.3	5.6	78.9	5.1	7.62	57.64
TAM 06WE-62-1	4.49	0.87	1.272	85.9	6.2	40.8	6.2	77.5	6.6	7.90	53.40
NM 06N1168	4.11	0.87	1.328	85.3	5.5	34.5	5.7	77.3	5.8	14.9	61.65
PHX 4912WRF	4.25	0.86	1.280	84.6	7.1	32.7	6.5	79.4	5.2	7.09	51.38
LA 17	4.20	0.87	1.277	84.2	7.0	33.7	6.2	77.2	6.1	8.23	53.82
LSD	0.41	0.01	0.037	1.3	1.3	2.5	0.5	3.4	0.8	4.20	11.36

	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 (5m)	SCN (5m)
PX 433906WRF	0.96	1.10	14.0	4.5	1.30	185.0	2.8	0.99	106	12
MD10-5	0.93	1.06	13.0	4.3	1.24	175.5	2.6	0.98	92	9
DP 1032B2RF	0.96	1.11	15.5	4.8	1.32	176.9	3.0	0.98	77	6
ST 4145LLB2	0.92	1.09	18.0	5.6	1.29	175.9	3.6	0.97	83	13
DP 1048B2RF	0.94	1.09	16.0	5.1	1.29	177.8	3.9	0.94	94	11
MD25-26ne	1.07	1.20	10.0	2.6	1.38	187.7	1.7	1.03	62	6
PHY 375WRF	0.87	1.04	20.0	6.6	1.24	170.0	4.2	0.94	113	12
Ark 0410-21	0.91	1.07	16.5	5.2	1.25	179.5	3.4	0.97	138	14
PX 532211WRF	0.95	1.11	16.0	5.0	1.32	170.4	3.3	0.96	100	8
Ark 0403-27	0.97	1.11	13.0	3.9	1.28	185.5	2.5	1.01	83	6
DP 1219B2RF	0.91	1.09	19.0	5.9	1.30	177.5	3.3	0.98	97	7
FM 9058F	0.94	1.11	16.0	5.0	1.31	171.7	3.3	0.98	89	7
ALL-TEX NITRO 44B2RF	0.96	1.13	16.0	4.8	1.33	167.8	3.6	0.95	117	11
TAMCOT 73	0.95	1.11	14.5	4.4	1.30	169.4	3.2	0.98	93	11
ACALA 151708	0.98	1.14	13.5	4.1	1.34	170.2	2.5	1.01	99	19
FM 2484B2F	0.94	1.12	17.5	5.3	1.33	165.0	3.5	0.98	108	13
TAM 06WE-62-1	0.97	1.13	14.5	4.3	1.32	159.0	3.1	0.97	126	11
NM 06N1168	1.01	1.18	13.5	4.1	1.40	159.2	3.0	0.99	104	11
PHX 4912WRF	0.99	1.16	15.0	4.6	1.38	169.0	3.1	0.97	103	14
LA 17	0.96	1.13	15.5	4.7	1.33	164.7	3.6	0.95	129	13
LSD	0.06	0.04	4.5	1.5	0.03	11.3	1.0	0.04	53	10

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites

2012 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5377
(662) 686-5398 (fax)

National Cotton Variety Tests, 2012

Yield, Boll, Seed, Spinning and Data

2012 BLACKLANDS REGIONAL COTTON VARIETY TEST

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: PLUS	GOSSYPOL DATA: MINUS	GOSSYPOL DATA: FREE (%)
PHY 375WRF	889	1251	41.5	8.8	5.44	16.02	3.66	0.39	0.25	0.64
PHY 499WRF	882	1130	43.9	8.4	5.35	16.56	3.91	0.46	0.26	0.71
AT Epic RF	810	1146	41.4	8.9	5.59	15.63	3.83	0.48	0.28	0.76
AMERICOT 1550B2RF	788	1130	41.2	9.1	5.52	16.88	3.78	0.57	0.32	0.89
DP 1044B2RF	767	1243	38.2	8.2	4.56	16.75	3.65	0.56	0.25	0.81
DP 0912B2RF	743	1107	40.1	9.1	5.01	15.34	3.34	0.42	0.25	0.67
Phytogen 725RF	656	1096	37.5	10.2	5.04	17.46	3.90	0.36	0.23	0.59
FM 1740B2F	575	856	40.2	9.8	5.56	16.39	3.83	0.41	0.28	0.69
FM 9058F	537	842	38.9	9.9	4.96	18.01	3.63	0.33	0.30	0.63

	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)
PHY 375WRF	4.45	0.87	1.022	80.9	11.3	24.7	5.4	76.0	8.3	11.1	43.46
PHY 499WRF	4.57	0.87	1.053	82.8	9.6	29.9	7.0	73.5	8.5	12.7	50.22
AT Epic RF	4.62	0.87	1.050	82.2	10.1	28.6	6.7	75.8	9.2	10.2	53.13
AMERICOT 1550B2RF	4.72	0.88	1.041	81.6	11.0	24.7	5.5	75.6	9.2	11.2	46.56
DP 1044B2RF	4.39	0.86	1.046	81.2	11.1	28.5	6.9	76.4	7.5	12.5	47.25
DP 0912B2RF	4.67	0.87	1.007	79.8	12.5	26.1	5.9	73.1	7.6	13.2	40.09
Phytogen 725RF	4.48	0.87	1.110	82.4	8.3	31.1	6.2	76.3	9.4	10.3	58.48
FM 1740B2F	4.42	0.87	1.013	80.2	12.5	27.0	5.8	75.7	8.1	11.2	46.41
FM 9058F	4.49	0.88	1.119	81.8	9.2	28.1	5.0	74.8	7.4	11.3	47.41

	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 (5m)	SCN (5m)
PHY 375WRF	0.78	0.92	22.0	8.5	1.09	165.0	4.6	0.92	111	11
PHY 499WRF	0.79	0.95	22.0	7.9	1.12	170.0	4.4	0.93	123	13
AT Epic RF	0.79	0.94	20.0	7.5	1.10	173.5	3.9	0.93	114	6
AMERICOT 1550B2RF	0.82	0.96	19.5	6.9	1.13	180.0	3.7	0.95	91	13
DP 1044B2RF	0.78	0.94	23.0	8.7	1.12	169.5	5.0	0.91	115	16
DP 0912B2RF	0.77	0.92	23.0	8.5	1.09	174.5	4.4	0.93	125	16
Phytogen 725RF	0.83	0.99	19.5	7.0	1.18	164.4	3.8	0.95	112	15
FM 1740B2F	0.79	0.95	22.0	8.1	1.13	166.5	4.5	0.93	101	11
FM 9058F	0.85	1.01	19.5	6.5	1.20	167.7	3.8	0.95	110	16

REGIONAL SUMMARY BY LOCATION COMBINING VARIEITES
THE LOCATION DATA IS NOT GENERATED FOR COMMERCE, TX, DUE TO NO YIELD DATA REPORTED

						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 (%)
THRALL, TX	738	1089	40.3	9.2	5.22	16.56	3.72	0.44	0.27	0.71

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	YT (mN/TEX)
THRALL, TX	4.53	0.87	1.051	81.4	10.6	27.6	6.0	75.2	8.3	11.5	48.11

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 (5m)	SCN (5m)
THRALL, TX	0.80	0.95	21.2	7.7	1.13	170.1	4.2	0.93	111	13

INDIVIDUAL LOCATION DATA

LOCATION: THRALL, TX

VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (g/BOLL)	SEED PROPERTIES: OIL (%)	N (%)	GOSSYPOL DATA: PLUS	MINUS	FREE (%)
PHY 375WRF	889	1251	41.5	8.8	5.44	16.02	3.66	0.39	0.25	0.64
PHY 499WRF	882	1130	43.9	8.4	5.35	16.56	3.91	0.46	0.26	0.71
AT Epic RF	810	1146	41.4	8.9	5.59	15.63	3.83	0.48	0.28	0.76
AMERICOT 1550B2RF	788	1130	41.2	9.1	5.52	16.88	3.78	0.57	0.32	0.89
DP 1044B2RF	767	1243	38.2	8.2	4.56	16.75	3.65	0.56	0.25	0.81
DP 0912B2RF	743	1107	40.1	9.1	5.01	15.34	3.34	0.42	0.25	0.67
Phytogen 725RF	656	1096	37.5	10.2	5.04	17.46	3.90	0.36	0.23	0.59
FM 1740B2F	575	856	40.2	9.8	5.56	16.39	3.83	0.41	0.28	0.69
FM 9058F	537	842	38.9	9.9	4.96	18.01	3.63	0.33	0.30	0.63
LSD	210	312	0.6	0.6	1.27	1.28	0.35	0.08	0.06	0.14

VARIETY	HVI FIBER PROPERTIES: MIC (READING)	MATURITY (%)	UHML(w) (IN.)	UI (%)	SF (%)	STR (g/TEX)	ELO (%)	RD	HUNTERS Plus b	SPINNING DATA: WASTE (%)	YT (mN/TEX)
PHY 375WRF	4.45	0.87	1.022	80.9	11.3	24.7	5.4	76.0	8.3	11.1	43.46
PHY 499WRF	4.57	0.87	1.053	82.8	9.6	29.9	7.0	73.5	8.5	12.7	50.22
AT Epic RF	4.62	0.87	1.050	82.2	10.1	28.6	6.7	75.8	9.2	10.2	53.13
AMERICOT 1550B2RF	4.72	0.88	1.041	81.6	11.0	24.7	5.5	75.6	9.2	11.2	46.56
DP 1044B2RF	4.39	0.86	1.046	81.2	11.1	28.5	6.9	76.4	7.5	12.5	47.25

DP 0912B2RF	4.67	0.87	1.007	79.8	12.5	26.1	5.9	73.1	7.6	13.2	40.09
Phytogen 725RF	4.48	0.87	1.110	82.4	8.3	31.1	6.2	76.3	9.4	10.3	58.48
FM 1740B2F	4.42	0.87	1.013	80.2	12.5	27.0	5.8	75.7	8.1	11.2	46.41
FM 9058F	4.49	0.88	1.119	81.8	9.2	28.1	5.0	74.8	7.4	11.3	47.41
LSD	0.41	0.02	0.048	1.9	2.1	2.3	0.5	4.1	1.0	2.83	6.98

	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 (5m)	SCN (5m)
PHY 375WRF	0.78	0.92	22.0	8.5	1.09	165.0	4.6	0.92	111	11
PHY 499WRF	0.79	0.95	22.0	7.9	1.12	170.0	4.4	0.93	123	13
AT Epic RF	0.79	0.94	20.0	7.5	1.10	173.5	3.9	0.93	114	6
AMERICOT 1550B2RF	0.82	0.96	19.5	6.9	1.13	180.0	3.7	0.95	91	13
DP 1044B2RF	0.78	0.94	23.0	8.7	1.12	169.5	5.0	0.91	115	16
DP 0912B2RF	0.77	0.92	23.0	8.5	1.09	174.5	4.4	0.93	125	16
Phytogen 725RF	0.83	0.99	19.5	7.0	1.18	164.4	3.8	0.95	112	15
FM 1740B2F	0.79	0.95	22.0	8.1	1.13	166.5	4.5	0.93	101	11
FM 9058F	0.85	1.01	19.5	6.5	1.20	167.7	3.8	0.95	110	16
LSD	0.04	0.04	4.3	1.8	0.05	9.9	1.1	0.02	42	8

RETURN TO 2012 NCVT COVER PAGE

Thank you for your interest in the ongoing work of the National Cotton Variety Test Program.

Questions or comments to: ellen.keene@ars.usda.gov

United States Department of Agriculture

Agricultural Research Service
Mid-South Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5398

Other links:

Crop Genetics Research Unit Home Page

Jamie Whitten Delta States Research Center

All Internet Versions of the NCVT Publications are accessible through either the Jamie Whitten Delta States Research Center or the Crop Genetics Research Unit sites