



2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

Compiled by:



Ellen R. Keene
Info. Tech. Specialist

Patricia F. Maugh
Office Automation Assistant

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, 2008.

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

Issued August, 2009.

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

[Location Index](#)

[Acknowledgements](#)

[Joint Cotton Breeding Policy Committee](#)

[National Cotton Variety Testing Committee](#)

[National Cotton Variety Test Archive Files](#)

[Introduction and Explanations](#)

[Regional Tests and Participating Stations](#)

[Reporting Variations and Errata](#)

[Varieties Tested](#) in 2008

Test Results

[Eastern](#) Regional Cotton Variety Test

[Delta](#) Regional Cotton Variety Test

[Central](#) Regional Cotton Variety Test

[Blackland](#) Regional Cotton Variety Test

[Plains](#) Regional Cotton Variety Test

[Western](#) Regional Cotton Variety Test

[High Quality](#) Regional Cotton Variety Test

[Pima](#) Regional Cotton Variety Test

2008 Regional [Short Season](#) Test Results

2008 [Bollworm-Budworm](#) Tests



LOCATIONS:

ALTUS, OK (IRR)

AUBURN, AL

BEEVILLE, TX

BELLE MINA, AL

BOSSIER CITY, LA

CHICKASHA, OK (DRY)

COLLEGE STATION, TX

DALLAS, TX

FLORENCE, SC

GRIFFIN, GA

JACKSON, TN

KEISER, AR

LAMESA, TX (DRY)

LAS CRUCES, NM

LEMOORE, CA

LUBBOCK, TX (IRR)

PECOS, TX (IRR)

PORTAGEVILLE, MO

SAINT JOSEPH, LA

SHAFTER, AZ
STARKVILLE, MS
STONEVILLE, MS
SUFFOLK, VA
TIPTON, OK
UNIVERSITY PARK, NM
WESLACO, 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
Arizona	--	R. Hutmacher
Arkansas	--	F. M. Bourland
Georgia	--	S. H. Baker
Louisiana	--	W. D. Caldwell, D. S. Boquet, and R. C. Griffin
Mississippi	--	W. R. Meredith, Jr. (USDA-ARS), T. Wallace
New Mexico	--	M. Murray
North Carolina	--	A. Herbert
Oklahoma	--	M. Bayles
South Carolina	--	T. Campbell (USDA-ARS)
Texas	--	J. Dever, 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:

DPL 555BG/RR

-- DELTA AND PINE LAND COMPANY;

FM 9058F

-- FIBERMAX SEED COMPANY;

PHY 375WRF AND PHY 72

-- PHYTOGEN SEED COMPANY; AND

STONEVILLE 4554B2RF

-- STONEVILLE PEDIGREED SEED COMPANY



Joint Cotton Breeding Policy Committee

(As of January 2002)

R. L. Rogers, (Chairman) Louisiana Agricultural Experiment Station, Baton Rouge, LA
A. G. Jordan, (Secretary) National Cotton Council of America, Memphis, TN
B. Lalor, Cotton Incorporated, Raleigh, NC
J. W. Smith, Mississippi Agricultural & Forestry Experiment Station, Stoneville, MS
W. R. Meredith, Jr., Agricultural Research Service, USDA, Stoneville, MS
T. J. Army, Agricultural Research Service, USDA, Stoneville, MS

R. Scott, NPL Plant Physiology, Agricultural Research Service, USDA, Beltsville, MD
V. Watson, Mississippi Agricultural & Forestry Experiment Station, Mississippi State, MS
S. Oakley, California Planting Cotton Seed Distributors, Shafter, CA
J. J. Gwyn, AgrEvo Cotton Seed International, Greenville, MS
R. H. Sheetz, Paymaster Cottonseed Products, Hale Center, TX
T. Helms, Southern Association of Agricultural Experiment Station Directors, Mississippi State, MS

National Cotton Variety Testing Committee

(As of January 2008)

F. M. Bourland, University of Arkansas, Fayetteville, AR
J. Zhang, New Mexico Agricultural Experiment Station, Las Cruces, NM
J. R. Gannaway, (Chairman) Texas Agricultural Experiment Station, Lubbock, TX
C. Green, Delta & Pine Land Co., Hartsville, SC
W. R. Meredith, Jr., Agricultural Research Service, USDA, Stoneville, MS
J. Dever, Bayer Crop Science
R. Scott, Agricultural Research Service, USDA, Beltsville, MD
R. Percy, Agricultural Research Service, USDA, Maricopa, AZ
E. R. Keene, (Secretary) Agricultural Research Service, USDA, Stoneville, MS
C. W. Smith, Texas Agricultural Experiment Station, College Station, TX



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 on diskette:

Cottonseed Quality Archive File	1977 - 2008
Yield Archive File	1960 - 2008
Fiber Quality Archive File	1960 - 2008
Pima Combed Yarn Archive File	1962 - 2008

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 fifteenth 3-year testing cycle, beginning in 2002, the national standards were Acala 1517-99, All Tex Atlas,

DP 458 B/R, and Stoneville 4892 B/R. 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. Fiber, yarn, and HVI tests were made by Starlab, Inc., Knoxville, TN, and combed yarn tests were made by USDA-AMS Cotton Testing Section at Clemson, SC. Chemical analyses of seed were done by Woodsen-Tenent Laboratories, 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 as shown on the cover map. 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.



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 Agricultural 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
Agricultural Research and Extension Center

Maricopa, AZ

El Paso, TX

Combed-Yarn Test (American Pima Varieties)**

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

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



Explanations and Definitions

No interpretation of the test results other than the indication of the significant difference among means based on an analysis of variance is presented. The variety x location interaction mean square was used as the Error term in F tests and Duncan's Multiple Range tests in the combined-over-locations ANOVA for each region and subregion. Means followed by the same letter or letters cannot be considered significantly different at the 0.05 level of probability, as determined by Duncan's Multiple Range Test. Statistical analyses and Duncan's Multiple Range test 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 eight 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. For some tests, subregional summaries are also included. 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 defined as follows:

Arealometer. The arealometer is an instrument which measures fiber fineness and shape by measuring the resistance a given mass of fiber offers to the flow of air. Fineness and shape measures are used to calculate Immaturity Ratio (I), % Maturity (M), Perimeter (p), Weight Fineness (w), and Wall Thickness (t).

A. Is a measure of the external surface area of the fibers of a given volume of fibrous material, expressed in terms of square millimeters per cubic millimeter of fibrous material.

D. The difference between the value of the specific area determined at high pressure (AH) and the value of the specific area determined at standard pressure (the "A" measured above). "D" is presumably a measure of the flatness of the fiber ribbon; i.e., the higher the "D" value, the more ribbonlike are the fibers.

I. The immaturity ratio is a dimensionless number which describes a physical characteristic of the fiber cross section. It is defined as the ratio of the area that the fiber cross section would have if its perimeter enclosed a circle to the area that the perimeter actually encloses. It is found

by substituting D in the formula:

$$I = \sqrt{(0.07D+1)}$$

M. The simple linear regression prediction of caustic soda percent maturity from Hertel and Craven Textile Research Journal 21: 765-774,1951. The prediction equation is: $M = 150.5 - 38.1I$. M is an unreliable prediction of caustic soda percent maturity above about 95% and below about 35%. Values of M above 100% were obtained on some samples and are reported as obtained. The caustic soda percent maturity has an upper limit of 100%.

(p) The perimeter is defined as the distance around the outside wall of the fiber cross section. The perimeter in microns is determined by:

$$p = \frac{12,566 I}{A}$$

(w) The weight fineness, or linear density, is defined as the mass per unit length of fiber. It is calculated in ægm per inch by use of the following formula:

$$w = \frac{485 \times 10^3 I}{A^2}$$

(t) Wall thickness in microns calculated from:

$$t = \frac{2000}{A[1 + \sqrt{(1 - 1/I)}]}$$

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

Classer's designation. A description of the quality of cotton in terms of grade and staple according to the official cotton standards of the United States. For grade, classification is based on appearance and is accomplished chiefly through the sense of sight by integration of the three factors of grade--color, leaf, and preparation--in the sample. Classification for staple length involves both sight and touch and is made by pulling out and comparing a typical portion of fiber from a sample with the official staple types.

Digital Fibrograph. An instrument for measuring fiber length. S.L. (span length) is the distance spanned by a specific percentage of the fibers in the test specimen, where the initial starting point of the scanning in the test is considered 100 percent. The 2.5 percent S.L. is the length, in inches, on the test specimen spanned by 2.5 percent of the fibers scanned at the initial starting point. The 2.5 percent S.L. approximates classer's stable. The 50 percent S.L. is the length, in inches, on the test specimen spanned by 50 percent of the fibers scanned at the initial starting

point.

Free gossypol. The gossypol in fuzzy seeds as determined by the HPLC Method described in Vol. 59, page 546, 1982 of the Journal of the American Oil Chemist's Society modified as follows: Immediately after obtaining the hull-free kernels, they were dried in a forced-draft oven at 180°F for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. The purpose of this modification was to reduce 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 (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years. Free gossypol is expressed as a percentage of the mass of the kernel.

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

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

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

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

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.

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.

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

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

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

SL-HVI AMS (Calibrated to USDA SL-HVI Standard). The SL-HVI is a High Volume Instrument system, manufactured by Spinlab, Inc. of Knoxville, Tennessee, used to measure length, strength, micronaire, and color of cotton fibers. The measurements were made on a Spinlab 900 High Volume Fiber Test System, by the USDA-AMS Quality Control Section at Memphis, Tennessee. The instrument was calibrated using the USDA Spinlab HVI Standard Cotton.

2.5 S.L. See Digital Fibrograph for definition

Uniformity Ratio (UR). Ratio of 50% S.L. to 2.5% S.L.

Elongation (E). Elongation at point of break in strength determination.

Strength. Is 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 previous reports, this measurement was called Tenacity. Since the physical nature of this measurement is under investigation, use of the more general term seems appropriate.

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

Colorimeter

Rd. Is the percentage of the reflectance; the higher the value, the lighter the cotton.
Hunter's b value. Is a measure of increasing yellowness of the cotton.

Stelometer. An instrument for measuring fiber strength. T1 is the fiber strength of a bundle of fibers measured on the Stelometer with two jaws holding the fiber bundle separated by one-eighth inch spacer, expressed in millinewtons (mN) per tex. E1 is the percentage elongation at break of the center one-eighth inch of the fiber bundle measured for T1 strength on the Stelometer.

Tex. The linear density of fibers, filaments, and yarns expressed as the mass, in milligrams, of 1 meter of the fiber filaments or yarn.

Waste. The difference in mass, expressed as a percentage of the fed stock and delivered stock. Picker and card waste is the loss in mass during opening, picking and carding. Comber waste is the loss in mass during combing.

Yarn appearance index. The relative evenness, smoothness and freedom from foreign material of the yarn as evaluated by visual comparison of the yarn with the standards adopted by the American Society for Testing and Materials. Higher numbers indicate more even and smooth yarns with less foreign material.

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 is adjusted to standard skein basis and corrected to 27 tex. The Pima Combed strength of 11.8 and 7.4 tex yarns in millinewtons per tex (mN/tex) is determined on standard skeins.

Reporting Variations

San Joaquin Region Test Results:

No tests were conducted in the San Joaquin Region for 2008.

Cotton varieties tested in the 2008 National Cotton Variety Tests:

VARIETY TESTED	IN REGION
ACALA 1517-99	WESTERN
ACALA 1517-99W	WESTERN
ALL TEX ATLAS RR	PLAINS
ALL TEX SUMMIT B2RF	PLAINS
AM 1532B2F	BLACKLANDS, CENTRAL
AMERICOT 1550B2RF	DELTA
AMERICOT NG 1572RF	PLAINS
AMERICOT NG 2448R	PLAINS
ARK 0009-13-01	REGIONAL HIGH QUALITY
ARK 0015-06-09	REGIONAL HIGH QUALITY
ARK 0016-05-10	REGIONAL HIGH QUALITY
DP 135B2RF	EASTERN
DP 141B2F	BLACKLANDS, CENTRAL
DP 141B2F	CENTRAL

DP 141B2RF	EASTERN, REGIONAL HIGH QUALITY
DP 161B2RF	EASTERN, REGIONAL HIGH QUALITY
DP 164B2RF	EASTERN, REGIONAL HIGH QUALITY
DP 174RF	EASTERN, REGIONAL HIGH QUALITY
DP 340	PIMA
DP 353	PIMA
DP 357	PIMA
DP 555BG/RR	NATIONAL STANDARD; ALL REGIONS EXCEPT PIMA
DPL 117B2RF	EASTERN
DPL 121RF	PLAINS
DPL 143B2RF	EASTERN, PLAINS, REGIONAL HIGH QUALITY
DPL 454BR	DELTA
FIBERMAX 958	PLAINS
FM 1740B2F	EASTERN, REGIONAL HIGH QUALITY
FM 1740B2RF	EASTERN
FM 835LLB2	BLACKLANDS, CENTRAL
FM 9058F	NATIONAL STANDARD; ALL REGIONS EXCEPT REGIONAL HIGH QUALITY AND PIMA
FM 9063B2RF	EASTERN
FM 9180B2F	REGIONAL HIGH QUALITY
FM 989B2R	WESTERN
MD25	REGIONAL HIGH QUALITY
MD5-4	REGIONAL HIGH QUALITY
NM 03012	WESTERN
PHY 375WRF	NATIONAL STANDARD; ALL REGIONS EXCEPT REGIONAL HIGH QUALITY AND PIMA
PHY 4815WRF	REGIONAL HIGH QUALITY
PHY 485WRF	BLACKLANDS, CENTRAL, DELTA, EASTERN
PHY 755WRF	REGIONAL HIGH QUALITY
PHY 800	PIMA
PHYTOGEN 72	NATIONAL STANDARD; ALL REGIONS EXCEPT PIMA
PIMA S-7	PIMA NATIONAL STANDARD
RAIDER 276	REGIONAL HIGH QUALITY
ST 5599BR	DELTA
STV 4427B2RF	DELTA, EASTERN
STV 4554B2RF	NATIONAL STANDARD; ALL REGIONS EXCEPT PIMA
STV 5327B2RF	BLACKLANDS, CENTRAL, EASTERN, REGIONAL HIGH QUALITY
TAM 182-34 ELS	REGIONAL HIGH QUALITY



2008 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER
DR. J. CREECH

At the request of Dr. Creech, please access the 2008 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

[2008 REGIONAL SHORT SEASON TEST](#)

2008 BUDWORM/BOLLWORM TEST RESULTS

Currently, no link or data is available for the Budworm/Bollworm Test Results.



*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](#)

[Publications of the Crop Genetics Research Unit](#)

[Jamie Whitten Delta States Research Center](#)
[University of Arkansas Cotton Data](#)

[Delta Research and Extension Center, Stoneville, MS](#)

[University of Georgia Cotton Data](#)

**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**





2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 PLAINS REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING ALL LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1164	4.68	42.6	9.9	111	1.13	0.55	192	7.9

1323	STV 4554B2RF	1129	5.29	40.1	10.4	114	1.14	0.56	204	9.8
1351	DPL 121RF	1099	4.91	42.7	9.8	115	1.15	0.57	205	8.7
1270	DP 555BG/RR	1098	4.37	41.9	8.5	115	1.15	0.53	201	6.5
1322	DPL 143B2RF	1072	5.14	39.1	10.0	111	1.19	0.54	202	7.4
1352	FM 9180B2F	1054	5.52	39.4	11.3	123	1.18	0.57	205	7.5
1348	ALL TEX SUMMIT B2RF	1052	5.34	37.9	10.4	108	1.13	0.56	189	8.0
1344	FM 9058F	1018	5.41	40.2	11.1	122	1.20	0.56	187	6.8
1169	FIBERMAX 958	996	5.43	41.0	11.1	127	1.16	0.56	213	5.9
1350	AMERICOT NG 2448R	955	5.60	38.8	10.7	118	1.13	0.56	201	8.0
1349	AMERICOT NG 1572RF	951	5.03	40.7	10.1	112	1.15	0.54	192	7.4
1166	PHYTOGEN 72	886	5.11	39.7	10.7	140	1.20	0.58	241	8.6
1212	ALL TEX ATLAS RR	879	5.64	37.5	9.9	115	1.07	0.54	205	8.2
.	LSD	125	0.41	1.0	0.9	6	0.03	0.02	16	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1326	PHY 375WRF	4.75	1.13	82.9	27.4	6.6	74.0	7.9	4.90	1658	2.45	3.50
1323	STV 4554B2RF	5.01	1.14	83.3	29.5	7.6	72.8	8.7	5.08	1754	2.86	3.24
1351	DPL 121RF	5.20	1.15	83.8	29.4	7.3	74.6	8.3	5.21	1527	2.34	3.54
1270	DP 555BG/RR	4.39	1.14	82.4	28.9	6.2	75.9	7.3	4.50	1543	2.56	3.44
1322	DPL 143B2RF	4.48	1.20	82.6	29.0	6.5	73.6	7.8	4.56	1667	2.81	3.37
1352	FM 9180B2F	4.80	1.19	83.8	31.1	6.8	75.3	7.3	4.84	1661	2.47	3.25
1348	ALL TEX SUMMIT B2RF	4.54	1.10	83.5	27.1	7.0	74.3	8.0	4.60	1793	2.39	3.28
1344	FM 9058F	4.61	1.19	83.4	29.5	6.2	76.0	7.3	4.71	1541	2.61	3.27
1169	FIBERMAX 958	5.01	1.16	83.6	31.4	6.3	75.8	7.4	5.13	1482	2.67	3.33
1350	AMERICOT NG 2448R	4.83	1.11	83.2	31.0	7.2	73.8	8.4	5.00	1522	2.31	3.51
1349	AMERICOT NG 1572RF	4.10	1.15	82.7	27.9	6.4	74.0	7.4	4.19	1380	2.49	3.30
1166	PHYTOGEN 72	4.70	1.18	83.9	33.8	7.2	72.6	8.7	4.81	1404	2.89	3.51
1212	ALL TEX ATLAS RR	4.93	1.06	82.6	30.6	7.1	72.6	7.9	5.01	1549	2.47	3.37
.	LSD	0.29	0.04	0.8	1.2	0.3	1.8	0.6	0.27	215	0.57	0.20

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
--------------	--------------	----------	-----------	-----------	-------------	---	---	-------	-------------	-----------	-------------

1326	PHY 375WRF	0.63	0.57	1.20	425	21.4	1.56	91	45.92	4.18	3.1
1323	STV 4554B2RF	0.63	0.58	1.21	413	18.6	1.51	93	45.79	4.29	3.1
1351	DPL 121RF	0.67	0.62	1.28	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.56	0.51	1.07	454	25.8	1.67	87	46.16	3.94	2.7
1322	DPL 143B2RF	0.74	0.68	1.42	.	.	.	.	.	.	.
1352	FM 9180B2F	0.56	0.52	1.08	.	.	.	.	.	.	.
1348	ALL TEX SUMMIT B2RF	0.68	0.63	1.32	.	.	.	.	.	.	.
1344	FM 9058F	0.51	0.47	0.98	434	20.2	1.55	92	44.66	4.01	3.0
1169	FIBERMAX 958	0.49	0.46	0.95	.	.	.	.	.	.	.
1350	AMERICOT NG 2448R	0.67	0.61	1.28	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.71	0.65	1.36	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.55	0.49	1.04	427	18.1	1.50	93	44.14	4.01	3.0
1212	ALL TEX ATLAS RR	0.69	0.64	1.33	.	.	.	.	.	.	.
.	LSD	0.05	0.06	0.10	26.3	6.2	0.14	5	3.16	0.37	0.3

 REGION=SUB-REGION PLAINS LUBBOCK AND LAMESA

VARIETY	VARIETY	LINT	BOLL			YARN	DIGITAL	FIBROGRAPH	STELOMETER	
CODE	NAME	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(Mn/tex)	(INCHES)	(inches)	(mN/tex)	(%)
1326	PHY 375WRF	1237	4.70	40.6	10.3	110	1.16	0.54	191	8.5
1351	DPL 121RF	1233	4.93	41.9	10.3	113	1.15	0.56	204	8.3
1323	STV 4554B2RF	1220	5.80	38.9	11.0	110	1.15	0.55	194	9.5
1352	FM 9180B2F	1196	5.78	38.9	11.7	121	1.22	0.56	204	7.0
1270	DP 555BG/RR	1182	4.53	40.4	9.0	115	1.17	0.54	208	7.0
1344	FM 9058F	1175	5.60	39.7	11.4	118	1.23	0.57	188	7.4
1348	ALL TEX SUMMIT B2RF	1146	6.05	36.7	10.5	107	1.15	0.55	189	8.4
1169	FIBERMAX 958	1123	5.58	40.8	11.5	124	1.21	0.55	209	6.4
1322	DPL 143B2RF	1048	5.08	37.1	10.1	106	1.21	0.53	195	7.2
1166	PHYTOGEN 72	1017	5.53	39.0	11.2	133	1.21	0.57	237	8.8
1350	AMERICOT NG 2448R	1000	5.95	37.7	11.4	115	1.15	0.55	202	7.9
1349	AMERICOT NG 1572RF	976	5.10	39.5	10.6	112	1.18	0.54	204	7.4
1212	ALL TEX ATLAS RR	927	5.63	36.2	11.4	116	1.09	0.54	212	8.2
.	LSD	252	0.60	1.5	0.7	7	0.03	0.03	15	2.0

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1326	PHY 375WRF	4.30	1.13	82.8	26.0	6.6	76.8	8.1	4.55	1957	2.43	3.28
1351	DPL 121RF	5.08	1.18	83.5	28.0	7.4	76.8	8.1	5.15	1930	2.00	3.36
1323	STV 4554B2RF	4.70	1.13	83.0	27.0	7.3	76.0	8.9	4.88	2094	2.85	3.02
1352	FM 9180B2F	4.45	1.20	83.7	29.5	6.9	78.5	7.5	4.55	1949	2.55	3.02
1270	DP 555BG/RR	4.10	1.13	82.5	27.3	6.2	77.5	7.4	4.30	1747	2.56	3.28
1344	FM 9058F	4.25	1.20	83.3	27.3	6.0	78.0	7.5	4.48	1881	2.40	3.05
1348	ALL TEX SUMMIT B2RF	4.18	1.13	83.5	25.8	7.0	77.3	8.2	4.38	2166	2.05	3.07
1169	FIBERMAX 958	4.73	1.20	84.0	30.3	6.3	78.0	7.2	4.93	1771	2.34	3.09
1322	DPL 143B2RF	4.05	1.20	82.2	26.8	6.5	76.5	8.1	4.15	1828	2.49	3.24
1166	PHYTOGEN 72	4.63	1.20	84.1	31.8	7.2	75.3	8.8	4.78	1752	2.61	3.20
1350	AMERICOT NG 2448R	4.65	1.13	83.1	29.5	7.2	76.0	8.4	4.98	1652	1.99	3.29
1349	AMERICOT NG 1572RF	3.93	1.18	83.0	27.3	6.5	76.5	6.8	4.05	1474	2.09	3.05
1212	ALL TEX ATLAS RR	4.75	1.08	82.6	29.0	7.3	75.3	7.9	4.98	1718	2.21	3.23
.	LSD	0.27	0.06	0.7	0.7	0.4	2.0	0.7	0.20	425	1.00	0.38

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
					---(mm2/mm3)---							
1326	PHY 375WRF	0.71	0.51	1.22	447	27.3	1.70	86	47.55	4.12	2.8	
1351	DPL 121RF	0.73	0.51	1.24	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.66	0.46	1.12	431	22.5	1.61	89	46.81	4.21	2.9	
1352	FM 9180B2F	0.63	0.45	1.07	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.59	0.41	1.00	470	29.0	1.73	85	46.23	3.80	2.6	
1344	FM 9058F	0.56	0.40	0.97	449	23.3	1.62	89	45.35	3.91	2.8	
1348	ALL TEX SUMMIT B2RF	0.74	0.52	1.26	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.54	0.39	0.93	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.80	0.56	1.35	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.62	0.44	1.06	423	18.1	1.51	93	44.68	4.08	3.0	
1350	AMERICOT NG 2448R	0.75	0.53	1.28	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.79	0.56	1.35	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.74	0.52	1.27	.	.	.	.	.	.	.
.	LSD	0.06	0.04	0.09	20.4	10.5	0.22	9	6.05	0.61	0.2	

SUB-REGION=PLAINS ALTUS, TIPTON AND CHICKASHA

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1116	4.67	43.9	9.7	113	1.10	0.55	194	7.3
1322	DPL 143B2RF	1088	5.18	40.5	9.9	117	1.18	0.56	210	7.6
1323	STV 4554B2RF	1068	4.95	40.9	9.9	118	1.13	0.57	213	10.0
1270	DP 555BG/RR	1041	4.27	42.8	8.3	115	1.12	0.53	195	6.1
1351	DPL 121RF	1010	4.90	43.2	9.5	118	1.15	0.57	207	9.2
1348	ALL TEX SUMMIT B2RF	989	4.87	38.8	10.4	109	1.11	0.56	190	7.5
1352	FM 9180B2F	959	5.35	39.7	11.1	125	1.15	0.59	205	8.0
1349	AMERICOT NG 1572RF	934	4.98	41.5	9.8	112	1.13	0.55	180	7.3
1350	AMERICOT NG 2448R	925	5.37	39.6	10.3	120	1.12	0.56	200	8.2
1344	FM 9058F	913	5.28	40.6	10.9	127	1.16	0.55	185	6.1
1169	FIBERMAX 958	911	5.33	41.2	10.7	130	1.12	0.56	218	5.5
1212	ALL TEX ATLAS RR	848	5.65	38.5	9.0	115	1.04	0.54	198	8.2
1166	PHYTOGEN 72	799	4.83	40.2	10.4	146	1.19	0.59	246	8.3
.	LSD	152	0.49	1.3	1.4	10	0.05	0.02	29	1.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1326	PHY 375WRF	5.20	1.13	83.1	28.8	6.6	71.3	7.7	5.25	1459	2.47	3.73
1322	DPL 143B2RF	4.90	1.20	83.0	31.3	6.6	70.8	7.5	4.98	1560	3.14	3.51
1323	STV 4554B2RF	5.33	1.15	83.6	32.0	8.0	69.5	8.4	5.28	1528	2.88	3.47
1270	DP 555BG/RR	4.68	1.15	82.4	30.5	6.1	74.3	7.2	4.70	1406	2.57	3.60
1351	DPL 121RF	5.33	1.13	84.1	30.8	7.3	72.5	8.4	5.28	1259	2.68	3.72
1348	ALL TEX SUMMIT B2RF	4.90	1.08	83.5	28.5	7.0	71.3	7.8	4.83	1544	2.73	3.49
1352	FM 9180B2F	5.15	1.18	83.8	32.8	6.7	72.0	7.1	5.13	1469	2.40	3.48
1349	AMERICOT NG 1572RF	4.28	1.13	82.4	28.5	6.3	71.5	8.1	4.33	1318	2.90	3.56
1350	AMERICOT NG 2448R	5.00	1.10	83.2	32.5	7.2	71.5	8.4	5.03	1436	2.63	3.72
1344	FM 9058F	4.98	1.18	83.5	31.8	6.3	74.0	7.2	4.95	1315	2.82	3.49
1169	FIBERMAX 958	5.30	1.13	83.2	32.5	6.3	73.5	7.7	5.33	1289	3.00	3.56

1212	ALL TEX ATLAS RR	5.10	1.05	82.7	32.3	6.9	70.0	7.8	5.05	1436	2.73	3.51
1166	PHYTOGEN 72	4.78	1.15	83.8	35.8	7.2	70.0	8.6	4.85	1173	3.17	3.82
.	LSD	0.48	0.06	1.7	2.0	0.3	3.8	0.9	0.40	245	0.82	0.28

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.54	0.64	1.19	402	15.6	1.43	96	44.28	4.25	3.4
1322	DPL 143B2RF	0.69	0.80	1.49	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.60	0.71	1.30	396	14.6	1.42	96	44.77	4.37	3.3
1270	DP 555BG/RR	0.53	0.60	1.13	438	22.5	1.60	89	46.10	4.08	2.8
1351	DPL 121RF	0.62	0.72	1.33	.	.	.	.	.	.	.
1348	ALL TEX SUMMIT B2RF	0.63	0.74	1.37	.	.	.	.	.	.	.
1352	FM 9180B2F	0.50	0.59	1.09	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.64	0.75	1.38	.	.	.	.	.	.	.
1350	AMERICOT NG 2448R	0.60	0.69	1.28	.	.	.	.	.	.	.
1344	FM 9058F	0.46	0.54	0.99	419	17.1	1.47	94	43.97	4.10	3.2
1169	FIBERMAX 958	0.45	0.52	0.97	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.64	0.75	1.39	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.47	0.55	1.02	430	18.0	1.50	93	43.59	3.95	3.0
.	LSD	0.08	0.11	0.19	57.3	10.3	0.26	10	6.50	0.85	0.7

INDIVIDUAL COMPONENT DATA - PLAINS

----- BOLL SIZE, GRAM PER BOLL -----		----- LINT PERCENT -----		----- SEED INDEX -----	
PHY 375WRF	4.68	PHY 375WRF	42.6	PHY 375WRF	9.9
STV 4554B2RF	5.29	STV 4554B2RF	40.1	STV 4554B2RF	10.4
DPL 121RF	4.91	DPL 121RF	42.7	DPL 121RF	9.8
DP 555BG/RR	4.37	DP 555BG/RR	41.9	DP 555BG/RR	8.5
DPL 143B2RF	5.14	DPL 143B2RF	39.1	DPL 143B2RF	10.0
FM 9180B2F	5.52	FM 9180B2F	39.4	FM 9180B2F	11.3

ALL TEX SUMMIT B2RF	5.34
FM 9058F	5.41
FIBERMAX 958	5.43
AMERICOT NG 2448R	5.60
AMERICOT NG 1572RF	5.03
PHYTOGEN 72	5.11
ALL TEX ATLAS RR	5.64
LSD	0.41

ALL TEX SUMMIT B2RF	37.9
FM 9058F	40.2
FIBERMAX 958	41.0
AMERICOT NG 2448R	38.8
AMERICOT NG 1572RF	40.7
PHYTOGEN 72	39.7
ALL TEX ATLAS RR	37.5
LSD	1.0

ALL TEX SUMMIT B2RF	10.4
FM 9058F	11.1
FIBERMAX 958	11.1
AMERICOT NG 2448R	10.7
AMERICOT NG 1572RF	10.1
PHYTOGEN 72	10.7
ALL TEX ATLAS RR	9.9
LSD	0.9

 2.5% S.L. (INCHES)

 UR (PERCENT)

 STRENGTH (G/TEX)

PHY 375WRF	1.13
STV 4554B2RF	1.14
DPL 121RF	1.15
DP 555BG/RR	1.14
DPL 143B2RF	1.20
FM 9180B2F	1.19
ALL TEX SUMMIT B2RF	1.10
FM 9058F	1.19
FIBERMAX 958	1.16
AMERICOT NG 2448R	1.11
AMERICOT NG 1572RF	1.15
PHYTOGEN 72	1.18
ALL TEX ATLAS RR	1.06
LSD	0.04

PHY 375WRF	82.9
STV 4554B2RF	83.3
DPL 121RF	83.8
DP 555BG/RR	82.4
DPL 143B2RF	82.6
FM 9180B2F	83.8
ALL TEX SUMMIT B2RF	83.5
FM 9058F	83.4
FIBERMAX 958	83.6
AMERICOT NG 2448R	83.2
AMERICOT NG 1572RF	82.7
PHYTOGEN 72	83.9
ALL TEX ATLAS RR	82.6
LSD	0.8

PHY 375WRF	27.4
STV 4554B2RF	29.5
DPL 121RF	29.4
DP 555BG/RR	28.9
DPL 143B2RF	29.0
FM 9180B2F	31.1
ALL TEX SUMMIT B2RF	27.1
FM 9058F	29.5
FIBERMAX 958	31.4
AMERICOT NG 2448R	31.0
AMERICOT NG 1572RF	27.9
PHYTOGEN 72	33.8
ALL TEX ATLAS RR	30.6
LSD	1.2

 E

 MICRONAIRE (SL-HVI)

 COLORIMETER - Rd

PHY 375WRF	6.6
STV 4554B2RF	7.6
DPL 121RF	7.3

PHY 375WRF	4.90
STV 4554B2RF	5.08
DPL 121RF	5.21

PHY 375WRF	74.0
STV 4554B2RF	72.8
DPL 121RF	74.6

DP 555BG/RR	6.2
DPL 143B2RF	6.5
FM 9180B2F	6.8
ALL TEX SUMMIT B2RF	7.0
FM 9058F	6.2
FIBERMAX 958	6.3
AMERICOT NG 2448R	7.2
AMERICOT NG 1572RF	6.4
PHYTOGEN 72	7.2
ALL TEX ATLAS RR	7.1
LSD	0.3

DP 555BG/RR	4.50
DPL 143B2RF	4.56
FM 9180B2F	4.84
ALL TEX SUMMIT B2RF	4.60
FM 9058F	4.71
FIBERMAX 958	5.13
AMERICOT NG 2448R	5.00
AMERICOT NG 1572RF	4.19
PHYTOGEN 72	4.81
ALL TEX ATLAS RR	5.01
LSD	0.27

DP 555BG/RR	75.9
DPL 143B2RF	73.6
FM 9180B2F	75.3
ALL TEX SUMMIT B2RF	74.3
FM 9058F	76.0
FIBERMAX 958	75.8
AMERICOT NG 2448R	73.8
AMERICOT NG 1572RF	74.0
PHYTOGEN 72	72.6
ALL TEX ATLAS RR	72.6
LSD	1.8

 COLORIMETER - b

 MICRONAIRE

 STELOMETER - E1

PHY 375WRF	7.9
STV 4554B2RF	8.7
DPL 121RF	8.3
DP 555BG/RR	7.3
DPL 143B2RF	7.8
FM 9180B2F	7.3
ALL TEX SUMMIT B2RF	8.0
FM 9058F	7.3
FIBERMAX 958	7.4
AMERICOT NG 2448R	8.4
AMERICOT NG 1572RF	7.4
PHYTOGEN 72	8.7
ALL TEX ATLAS RR	7.9
LSD	0.6

PHY 375WRF	4.75
STV 4554B2RF	5.01
DPL 121RF	5.20
DP 555BG/RR	4.39
DPL 143B2RF	4.48
FM 9180B2F	4.80
ALL TEX SUMMIT B2RF	4.54
FM 9058F	4.61
FIBERMAX 958	5.01
AMERICOT NG 2448R	4.83
AMERICOT NG 1572RF	4.10
PHYTOGEN 72	4.70
ALL TEX ATLAS RR	4.93
LSD	0.29

PHY 375WRF	7.9
STV 4554B2RF	9.8
DPL 121RF	8.7
DP 555BG/RR	6.5
DPL 143B2RF	7.4
FM 9180B2F	7.5
ALL TEX SUMMIT B2RF	8.0
FM 9058F	6.8
FIBERMAX 958	5.9
AMERICOT NG 2448R	8.0
AMERICOT NG 1572RF	7.4
PHYTOGEN 72	8.6
ALL TEX ATLAS RR	8.2
LSD	1.2

 STELOMETER - T1

 FIBROGRAPH - 50% S.L.

 FIBROGRAPH - 2.5% S.L.

PHY 375WRF	192
STV 4554B2RF	204
DPL 121RF	205
DP 555BG/RR	201
DPL 143B2RF	202
FM 9180B2F	205
ALL TEX SUMMIT B2RF	189
FM 9058F	187
FIBERMAX 958	213
AMERICOT NG 2448R	201
AMERICOT NG 1572RF	192
PHYTOGEN 72	241
ALL TEX ATLAS RR	205
LSD	16

PHY 375WRF	0.55
STV 4554B2RF	0.56
DPL 121RF	0.57
DP 555BG/RR	0.53
DPL 143B2RF	0.54
FM 9180B2F	0.57
ALL TEX SUMMIT B2RF	0.56
FM 9058F	0.56
FIBERMAX 958	0.56
AMERICOT NG 2448R	0.56
AMERICOT NG 1572RF	0.54
PHYTOGEN 72	0.58
ALL TEX ATLAS RR	0.54
LSD	0.02

PHY 375WRF	1.13
STV 4554B2RF	1.14
DPL 121RF	1.15
DP 555BG/RR	1.15
DPL 143B2RF	1.19
FM 9180B2F	1.18
ALL TEX SUMMIT B2RF	1.13
FM 9058F	1.20
FIBERMAX 958	1.16
AMERICOT NG 2448R	1.13
AMERICOT NG 1572RF	1.15
PHYTOGEN 72	1.20
ALL TEX ATLAS RR	1.07
LSD	0.03

YARN TENACITY

AREALOMETER - A (MM2/MM3)

AREALOMETER - D (MM2/MM3)

PHY 375WRF	111
STV 4554B2RF	114
DPL 121RF	115
DP 555BG/RR	115
DPL 143B2RF	111
FM 9180B2F	123
ALL TEX SUMMIT B2RF	108
FM 9058F	122
FIBERMAX 958	127
AMERICOT NG 2448R	118
AMERICOT NG 1572RF	112
PHYTOGEN 72	140
ALL TEX ATLAS RR	115
LSD	6

PHY 375WRF	425
STV 4554B2RF	413
DPL 121RF	.
DP 555BG/RR	454
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	434
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	427
ALL TEX ATLAS RR	.
LSD	26.3

PHY 375WRF	21.4
STV 4554B2RF	18.6
DPL 121RF	.
DP 555BG/RR	25.8
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	20.2
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	18.1
ALL TEX ATLAS RR	.
LSD	6.2

AREALOMETER - I

AREALOMETER - M (PERCENT)

AREALOMETER - P (MIC)???

PHY 375WRF	1.56
STV 4554B2RF	1.51
DPL 121RF	.
DP 555BG/RR	1.67
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	1.55
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	1.50
ALL TEX ATLAS RR	.
LSD	0.14

PHY 375WRF	91
STV 4554B2RF	93
DPL 121RF	.
DP 555BG/RR	87
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	92
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	93
ALL TEX ATLAS RR	.
LSD	5

PHY 375WRF	45.92
STV 4554B2RF	45.79
DPL 121RF	.
DP 555BG/RR	46.16
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	44.66
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	44.14
ALL TEX ATLAS RR	.
LSD	3.16

AREALOMETER - W (MG/INCH)

PHY 375WRF	4.18
STV 4554B2RF	4.29
DPL 121RF	.
DP 555BG/RR	3.94
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	4.01
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	4.01
ALL TEX ATLAS RR	.
LSD	0.37

AREALOMETER - t (MICRONS)

PHY 375WRF	3.1
STV 4554B2RF	3.1
DPL 121RF	.
DP 555BG/RR	2.7
DPL 143B2RF	.
FM 9180B2F	.
ALL TEX SUMMIT B2RF	.
FM 9058F	3.0
FIBERMAX 958	.
AMERICOT NG 2448R	.
AMERICOT NG 1572RF	.
PHYTOGEN 72	3.0
ALL TEX ATLAS RR	.
LSD	0.3

SEED YIELD (LB/ACRE)

PHY 375WRF	1658
STV 4554B2RF	1754
DPL 121RF	1527
DP 555BG/RR	1543
DPL 143B2RF	1667
FM 9180B2F	1661
ALL TEX SUMMIT B2RF	1793
FM 9058F	1541
FIBERMAX 958	1482
AMERICOT NG 2448R	1522
AMERICOT NG 1572RF	1380
PHYTOGEN 72	1404
ALL TEX ATLAS RR	1549
LSD	215

OIL (PERCENT)

PHY 375WRF	2.45
STV 4554B2RF	2.86
DPL 121RF	2.34
DP 555BG/RR	2.56
DPL 143B2RF	2.81
FM 9180B2F	2.47
ALL TEX SUMMIT B2RF	2.39
FM 9058F	2.61
FIBERMAX 958	2.67
AMERICOT NG 2448R	2.31
AMERICOT NG 1572RF	2.49
PHYTOGEN 72	2.89
ALL TEX ATLAS RR	2.47
LSD	0.57

NITROGEN (PERCENT)

PHY 375WRF	3.50
STV 4554B2RF	3.24
DPL 121RF	3.54
DP 555BG/RR	3.44
DPL 143B2RF	3.37
FM 9180B2F	3.25
ALL TEX SUMMIT B2RF	3.28
FM 9058F	3.27
FIBERMAX 958	3.33
AMERICOT NG 2448R	3.51
AMERICOT NG 1572RF	3.30
PHYTOGEN 72	3.51
ALL TEX ATLAS RR	3.37
LSD	0.20

PLUS GOSSYPOL

PHY 375WRF	0.63
STV 4554B2RF	0.63
DPL 121RF	0.67
DP 555BG/RR	0.56
DPL 143B2RF	0.74
FM 9180B2F	0.56
ALL TEX SUMMIT B2RF	0.68
FM 9058F	0.51
FIBERMAX 958	0.49
AMERICOT NG 2448R	0.67
AMERICOT NG 1572RF	0.71
PHYTOGEN 72	0.55
ALL TEX ATLAS RR	0.69
LSD	0.05

MINUS GOSSYPOL

PHY 375WRF	0.57
STV 4554B2RF	0.58
DPL 121RF	0.62
DP 555BG/RR	0.51
DPL 143B2RF	0.68
FM 9180B2F	0.52
ALL TEX SUMMIT B2RF	0.63
FM 9058F	0.47
FIBERMAX 958	0.46
AMERICOT NG 2448R	0.61
AMERICOT NG 1572RF	0.65
PHYTOGEN 72	0.49
ALL TEX ATLAS RR	0.64
LSD	0.06

TOTAL GOSSYPOL (PERCENT)

PHY 375WRF	1.20
STV 4554B2RF	1.21
DPL 121RF	1.28
DP 555BG/RR	1.07
DPL 143B2RF	1.42
FM 9180B2F	1.08
ALL TEX SUMMIT B2RF	1.32
FM 9058F	0.98
FIBERMAX 958	0.95
AMERICOT NG 2448R	1.28
AMERICOT NG 1572RF	1.36
PHYTOGEN 72	1.04
ALL TEX ATLAS RR	1.33
LSD	0.10

=====

LAMESA, TX (DRY) 0.67 0.48 1.15 448 24.6 1.64 88 45.91 3.97 2.8

INDIVIDUAL LOCATIONS

LOCATION=LUBBOCK, TX (IRR)

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1352	FM 9180B2F	1964	6.10	39.2	12.0	125	1.23	0.56	198	7.2
1323	STV 4554B2RF	1962	6.15	38.2	10.7	109	1.17	0.55	198	10.5
1270	DP 555BG/RR	1958	4.60	40.5	9.4	117	1.18	0.53	204	7.5
1351	DPL 121RF	1953	5.05	40.9	10.7	111	1.15	0.56	206	8.0
1326	PHY 375WRF	1947	5.05	39.6	10.7	111	1.15	0.54	186	8.2
1344	FM 9058F	1937	5.95	39.7	11.7	114	1.24	0.57	185	6.4
1348	ALL TEX SUMMIT B2RF	1828	5.85	36.4	10.7	104	1.16	0.56	178	7.3
1169	FIBERMAX 958	1813	6.05	40.4	11.6	126	1.21	0.57	210	5.6
1322	DPL 143B2RF	1749	5.05	36.3	10.3	107	1.21	0.53	194	7.2
1166	PHYTOGEN 72	1648	5.90	38.3	11.4	132	1.23	0.59	239	7.9
1350	AMERICOT NG 2448R	1639	6.10	37.9	11.3	116	1.15	0.57	208	7.3
1349	AMERICOT NG 1572RF	1547	5.50	39.3	10.9	112	1.18	0.55	203	7.0
1212	ALL TEX ATLAS RR	1422	5.95	36.6	11.3	111	1.07	0.54	216	7.2
.	LSD	210	0.75	3.3	0.9	7	0.03	0.02	12	0.9

VARIETY CODE	VARIETY NAME	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1352	FM 9180B2F	0.45	1.20	83.8	29.0	7.0	77.5	7.5	4.65	3054	2.10	2.95
1323	STV 4554B2RF	0.85	1.15	83.2	26.5	7.7	76.0	9.2	4.95	3327	2.85	3.21
1270	DP 555BG/RR	0.10	1.15	83.0	27.0	6.3	78.0	7.2	4.35	2790	2.43	3.54
1351	DPL 121RF	0.00	1.15	83.6	27.5	7.3	76.5	8.0	5.05	3141	1.71	3.80

1326	PHY 375WRF	0.35	1.15	83.2	26.0	6.8	75.5	8.1	4.55	3124	2.66	3.53
1344	FM 9058F	0.30	1.20	83.5	27.0	6.1	76.5	7.5	4.55	3069	2.81	3.19
1348	ALL TEX SUMMIT B2RF	0.35	1.10	83.7	25.0	7.0	77.0	8.4	4.45	3480	1.62	3.23
1169	FIBERMAX 958	0.70	1.20	84.2	29.5	6.2	78.0	7.2	4.90	2850	2.44	3.20
1322	DPL 143B2RF	0.95	1.20	82.4	26.5	6.7	75.5	7.8	4.15	3086	2.05	3.42
1166	PHYTOGEN 72	0.70	1.20	84.9	31.0	7.3	74.5	9.3	4.75	2796	2.97	3.32
1350	AMERICOT NG 2448R	0.60	1.10	83.3	29.0	7.1	75.5	8.5	4.95	2722	1.52	3.56
1349	AMERICOT NG 1572RF	0.80	1.20	83.2	27.0	6.7	75.0	6.7	3.95	2283	2.04	3.10
1212	ALL TEX ATLAS RR	0.80	1.05	82.5	28.5	7.4	74.0	8.2	5.05	2660	2.52	3.38
.	LSD	0.26	0.09	1.0	1.8	0.4	2.9	0.9	0.25	593	0.32	0.20

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1352	FM 9180B2F	0.64	0.45	1.09	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.66	0.46	1.12	424	23.3	1.63	88	48.20	4.41	2.9
1270	DP 555BG/RR	0.60	0.41	1.01	462	23.5	1.62	89	43.90	3.67	2.7
1351	DPL 121RF	0.73	0.52	1.25	.	.	.	.	.	.	.
1326	PHY 375WRF	0.72	0.51	1.22	444	27.3	1.71	86	48.26	4.20	2.8
1344	FM 9058F	0.56	0.41	0.97	444	25.5	1.67	87	47.27	4.12	2.8
1348	ALL TEX SUMMIT B2RF	0.76	0.54	1.30	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.57	0.41	0.98	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.80	0.57	1.36	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.62	0.44	1.06	429	18.0	1.51	93	44.09	3.98	3.0
1350	AMERICOT NG 2448R	0.71	0.51	1.22	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.82	0.58	1.40	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.74	0.52	1.26	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.10	36.9	19.8	0.43	17	10.43	0.92	0.4

LOCATION=LAMESA, TX (DRY)

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	527	4.35	41.5	9.9	109	1.17	0.55	196	8.8

1351	DPL 121RF	513	4.80	43.0	10.0	116	1.16	0.56	202	8.7
1323	STV 4554B2RF	479	5.45	39.6	11.3	112	1.13	0.55	190	8.6
1348	ALL TEX SUMMIT B2RF	464	6.25	37.0	10.4	109	1.14	0.55	201	9.6
1169	FIBERMAX 958	433	5.10	41.2	11.5	123	1.20	0.54	208	7.2
1212	ALL TEX ATLAS RR	431	5.30	35.7	11.6	120	1.12	0.55	209	9.2
1352	FM 9180B2F	427	5.45	38.7	11.3	118	1.21	0.56	211	6.9
1344	FM 9058F	414	5.25	39.7	11.1	122	1.23	0.56	192	8.4
1270	DP 555BG/RR	406	4.45	40.4	8.6	114	1.16	0.55	212	6.4
1349	AMERICOT NG 1572RF	405	4.70	39.6	10.4	113	1.18	0.52	206	7.8
1166	PHYTOGEN 72	385	5.15	39.8	11.0	134	1.20	0.56	235	9.8
1350	AMERICOT NG 2448R	362	5.80	37.4	11.5	114	1.15	0.54	196	8.4
1322	DPL 143B2RF	348	5.10	37.8	9.9	104	1.21	0.54	195	7.2
.	LSD	104	1.59	3.5	1.0	8	0.05	0.03	14	2.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1326	PHY 375WRF	4.25	1.10	82.4	26.0	6.5	78.0	8.2	4.55	789	2.21	3.03
1351	DPL 121RF	5.15	1.20	83.4	28.5	7.5	77.0	8.3	5.25	720	2.28	2.92
1323	STV 4554B2RF	4.55	1.10	82.8	27.5	7.0	76.0	8.6	4.80	861	2.84	2.83
1348	ALL TEX SUMMIT B2RF	4.00	1.15	83.2	26.5	7.1	77.5	8.0	4.30	853	2.49	2.91
1169	FIBERMAX 958	4.75	1.20	83.8	31.0	6.4	78.0	7.2	4.95	693	2.24	2.99
1212	ALL TEX ATLAS RR	4.70	1.10	82.7	29.5	7.2	76.5	7.6	4.90	775	1.90	3.08
1352	FM 9180B2F	4.45	1.20	83.6	30.0	6.7	79.5	7.5	4.45	843	3.00	3.10
1344	FM 9058F	4.20	1.20	83.1	27.5	5.9	79.5	7.5	4.40	692	1.98	2.92
1270	DP 555BG/RR	4.10	1.10	82.0	27.5	6.2	77.0	7.7	4.25	705	2.69	3.02
1349	AMERICOT NG 1572RF	4.05	1.15	82.8	27.5	6.4	78.0	7.0	4.15	664	2.14	3.00
1166	PHYTOGEN 72	4.55	1.20	83.3	32.5	7.2	76.0	8.3	4.80	707	2.26	3.09
1350	AMERICOT NG 2448R	4.70	1.15	83.0	30.0	7.3	76.5	8.4	5.00	583	2.47	3.03
1322	DPL 143B2RF	4.15	1.20	81.9	27.0	6.4	77.5	8.4	4.15	570	2.93	3.05
.	LSD	0.60	0.07	1.6	2.6	0.4	2.6	1.0	0.61	230	0.53	0.22

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
					---(mm2/mm3)---						

1326	PHY 375WRF	0.71	0.51	1.21	451	27.3	1.69	86	46.85	4.03	2.8
1351	DPL 121RF	0.72	0.51	1.23	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.66	0.47	1.12	438	21.8	1.59	90	45.43	4.01	2.9
1348	ALL TEX SUMMIT B2RF	0.71	0.51	1.22	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.51	0.37	0.88	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.75	0.53	1.27	.	.	.	.	.	.	.
1352	FM 9180B2F	0.62	0.44	1.06	.	.	.	.	.	.	.
1344	FM 9058F	0.57	0.40	0.97	455	21.0	1.58	91	43.44	3.70	2.8
1270	DP 555BG/RR	0.59	0.41	0.99	477	34.5	1.85	80	48.56	3.93	2.5
1349	AMERICOT NG 1572RF	0.75	0.54	1.29	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.62	0.44	1.06	418	18.3	1.51	93	45.27	4.19	3.1
1350	AMERICOT NG 2448R	0.79	0.56	1.34	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.79	0.56	1.35	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.11	75.4	24.9	0.52	20	9.93	0.90	0.7

LOCATION=ALTUS, OK (IRR)

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	2019	5.30	44.1	11.0	119	1.19	0.59	196	8.3
1323	STV 4554B2RF	2004	6.05	40.7	11.5	123	1.19	0.59	210	11.5
1322	DPL 143B2RF	1979	6.25	40.0	10.8	123	1.26	0.58	210	8.4
1270	DP 555BG/RR	1924	4.90	43.4	8.9	117	1.15	0.55	195	6.7
1350	AMERICOT NG 2448R	1779	5.85	39.0	11.3	131	1.17	0.58	217	9.7
1348	ALL TEX SUMMIT B2RF	1770	5.50	38.9	11.3	113	1.16	0.58	184	9.0
1351	DPL 121RF	1753	5.65	43.5	9.9	122	1.21	0.61	210	9.6
1352	FM 9180B2F	1734	6.20	38.8	12.2	133	1.22	0.62	220	9.7
1349	AMERICOT NG 1572RF	1716	5.70	40.3	10.8	123	1.22	0.58	195	9.4
1344	FM 9058F	1646	6.05	40.5	12.2	134	1.25	0.59	190	7.8
1169	FIBERMAX 958	1626	6.40	40.7	12.0	143	1.20	0.60	226	5.5
1166	PHYTOGEN 72	1600	5.85	40.3	11.2	148	1.26	0.62	233	9.2
1212	ALL TEX ATLAS RR	1443	6.35	37.9	11.5	120	1.10	0.57	187	8.6
.	LSD	122	0.49	1.8	0.5	6	0.06	0.04	7	1.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)
MICRO 2.5% UNIFO- STRE- COLORIMETER MICRO- SEED NITR

VARIETY CODE	VARIETY NAME	NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	HUNTER'S RD b		NAIRE (Reading)	YIELD (lb/ac)	OIL (%)	OGEN (%)
1326	PHY 375WRF	4.80	1.20	84.7	28.5	6.7	70.5	7.2	4.85	2630	1.94	3.52
1323	STV 4554B2RF	4.85	1.20	85.2	32.0	8.1	68.5	7.7	4.85	2988	2.55	3.26
1322	DPL 143B2RF	4.45	1.25	84.0	32.0	6.7	70.0	6.9	4.50	2896	3.30	3.27
1270	DP 555BG/RR	4.55	1.20	83.1	30.0	6.1	74.5	7.2	4.50	2550	2.21	3.55
1350	AMERICOT NG 2448R	4.45	1.15	84.5	32.0	7.3	71.5	8.6	4.55	2846	2.86	3.35
1348	ALL TEX SUMMIT B2RF	4.50	1.10	84.6	28.0	7.1	70.0	7.2	4.50	2844	2.31	3.38
1351	DPL 121RF	4.85	1.20	85.2	29.5	7.2	74.0	8.2	4.85	2229	2.32	3.63
1352	FM 9180B2F	4.70	1.20	85.1	32.0	6.7	71.5	6.7	4.75	2742	2.36	3.29
1349	AMERICOT NG 1572RF	3.60	1.20	84.6	29.0	6.5	74.5	7.4	3.70	2533	2.97	3.34
1344	FM 9058F	4.25	1.25	86.0	32.5	6.5	74.0	7.1	4.25	2482	2.52	3.23
1169	FIBERMAX 958	4.65	1.20	85.6	33.0	6.2	74.5	7.7	4.75	2391	2.55	3.44
1166	PHYTOGEN 72	4.20	1.20	85.4	35.0	7.3	71.5	8.5	4.40	2375	2.89	3.57
1212	ALL TEX ATLAS RR	4.50	1.10	83.7	31.5	6.8	71.0	7.5	4.50	2527	2.90	3.20
.	LSD	0.29	0.07	1.8	3.0	0.5	4.0	0.8	0.42	421	0.53	0.29

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.64	0.76	1.41	432	25.3	1.67	87	48.37	4.33	2.9
1323	STV 4554B2RF	0.66	0.77	1.42	413	20.5	1.56	91	47.50	4.45	3.0
1322	DPL 143B2RF	0.78	0.90	1.68	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.60	0.68	1.28	453	25.3	1.67	87	46.28	3.96	2.7
1350	AMERICOT NG 2448R	0.73	0.85	1.57	.	.	.	.	.	.	.
1348	ALL TEX SUMMIT B2RF	0.75	0.88	1.63	.	.	.	.	.	.	.
1351	DPL 121RF	0.74	0.86	1.60	.	.	.	.	.	.	.
1352	FM 9180B2F	0.57	0.66	1.23	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.77	0.92	1.69	.	.	.	.	.	.	.
1344	FM 9058F	0.52	0.61	1.12	466	25.5	1.67	87	44.98	3.74	2.7
1169	FIBERMAX 958	0.52	0.60	1.11	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.58	0.68	1.25	473	25.0	1.66	87	44.10	3.60	2.6
1212	ALL TEX ATLAS RR	0.73	0.85	1.57	.	.	.	.	.	.	.
.	LSD	0.05	0.05	0.11	13.5	12.4	0.25	11	6.59	0.70	0.2

LOCATION=CHICKASHA, OK (DRY)

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1322	DPL 143B2RF	622	4.35	40.0	9.3	.	.	.	.	.
1326	PHY 375WRF	614	4.45	43.5	9.1	.	.	.	.	.
1169	FIBERMAX 958	612	4.80	41.1	10.1	.	.	.	.	.
1351	DPL 121RF	611	4.55	42.6	9.4	.	.	.	.	.
1212	ALL TEX ATLAS RR	576	4.95	39.6	10.4	.	.	.	.	.
1323	STV 4554B2RF	575	4.35	41.1	9.3	.	.	.	.	.
1352	FM 9180B2F	574	5.00	39.9	11.1	.	.	.	.	.
1348	ALL TEX SUMMIT B2RF	569	4.75	38.3	10.1	.	.	.	.	.
1344	FM 9058F	560	5.10	40.7	10.8	.	.	.	.	.
1349	AMERICOT NG 1572RF	547	4.75	43.4	9.6	.	.	.	.	.
1270	DP 555BG/RR	544	3.65	42.4	7.9	.	.	.	.	.
1350	AMERICOT NG 2448R	403	5.20	40.2	10.0	.	.	.	.	.
1166	PHYTOGEN 72	354	3.80	41.0	10.3	.	.	.	.	.
.	LSD	142	0.80	2.0	1.0	.	.	.	.	.

VARIETY CODE	VARIETY NAME	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	NITR OGEN (%)
1322	DPL 143B2RF	.	.	.	.	.	.	.	888	.	.
1326	PHY 375WRF	.	.	.	.	.	.	.	917	.	.
1169	FIBERMAX 958	.	.	.	.	.	.	.	859	.	.
1351	DPL 121RF	.	.	.	.	.	.	.	805	.	.
1212	ALL TEX ATLAS RR	.	.	.	.	.	.	.	995	.	.
1323	STV 4554B2RF	.	.	.	.	.	.	.	806	.	.
1352	FM 9180B2F	.	.	.	.	.	.	.	877	.	.
1348	ALL TEX SUMMIT B2RF	.	.	.	.	.	.	.	850	.	.
1344	FM 9058F	.	.	.	.	.	.	.	709	.	.
1349	AMERICOT NG 1572RF	.	.	.	.	.	.	.	680	.	.
1270	DP 555BG/RR	.	.	.	.	.	.	.	685	.	.
1350	AMERICOT NG 2448R	.	.	.	.	.	.	.	575	.	.
1166	PHYTOGEN 72	.	.	.	.	.	.	.	471	.	.
.	LSD	.	.	.	.	.	.	.	439	.	.

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1322	DPL 143B2RF	.	.	.	.	.	.	.	.	.	.
1326	PHY 375WRF	.	.	.	.	.	.	.	.	.	.
1169	FIBERMAX 958	.	.	.	.	.	.	.	.	.	.
1351	DPL 121RF	.	.	.	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	.	.
1323	STV 4554B2RF	.	.	.	.	.	.	.	.	.	.
1352	FM 9180B2F	.	.	.	.	.	.	.	.	.	.
1348	ALL TEX SUMMIT B2RF	.	.	.	.	.	.	.	.	.	.
1344	FM 9058F	.	.	.	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	.	.	.	.	.	.	.	.	.	.
1270	DP 555BG/RR	.	.	.	.	.	.	.	.	.	.
1350	AMERICOT NG 2448R	.	.	.	.	.	.	.	.	.	.
1166	PHYTOGEN 72	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

LOCATION=TIPTON, OK

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	714	4.25	44.2	9.2	106	1.02	0.52	192	6.3
1351	DPL 121RF	667	4.50	43.6	9.1	114	1.09	0.54	205	8.8
1322	DPL 143B2RF	663	4.95	41.6	9.7	111	1.11	0.53	211	6.8
1270	DP 555BG/RR	655	4.25	42.7	8.1	113	1.10	0.51	195	5.5
1348	ALL TEX SUMMIT B2RF	627	4.35	39.2	9.9	105	1.06	0.54	195	6.0
1323	STV 4554B2RF	626	4.45	41.0	9.1	113	1.07	0.54	217	8.5
1350	AMERICOT NG 2448R	591	5.05	39.8	9.7	110	1.06	0.55	184	6.8
1352	FM 9180B2F	570	4.85	40.4	10.2	118	1.09	0.56	190	6.3
1349	AMERICOT NG 1572RF	539	4.50	40.8	8.9	102	1.04	0.52	164	5.3
1344	FM 9058F	533	4.70	40.7	9.9	119	1.08	0.52	181	4.5
1212	ALL TEX ATLAS RR	524	5.65	38.0	5.1	110	0.99	0.51	209	7.8
1169	FIBERMAX 958	495	4.80	41.8	10.2	118	1.04	0.52	210	5.5

1166	PHYTOGEN 72	444	4.85	39.3	9.9	145	1.13	0.56	259	7.5
.	LSD	95	0.33	1.4	4.2	10	0.05	0.03	15	1.4

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1326	PHY 375WRF	5.60	1.05	81.5	29.0	6.5	72.0	8.2	5.65	831	3.00	3.94
1351	DPL 121RF	5.80	1.05	83.1	32.0	7.4	71.0	8.7	5.70	743	3.04	3.82
1322	DPL 143B2RF	5.35	1.15	82.0	30.5	6.5	71.5	8.0	5.45	897	2.98	3.75
1270	DP 555BG/RR	4.80	1.10	81.7	31.0	6.2	74.0	7.2	4.90	982	2.94	3.65
1348	ALL TEX SUMMIT B2RF	5.30	1.05	82.5	29.0	6.9	72.5	8.4	5.15	937	3.16	3.61
1323	STV 4554B2RF	5.80	1.10	82.0	32.0	7.8	70.5	9.2	5.70	790	3.22	3.68
1350	AMERICOT NG 2448R	5.55	1.05	81.9	33.0	7.2	71.5	8.3	5.50	886	2.41	4.10
1352	FM 9180B2F	5.60	1.15	82.6	33.5	6.8	72.5	7.6	5.50	788	2.45	3.67
1349	AMERICOT NG 1572RF	4.95	1.05	80.3	28.0	6.1	68.5	8.8	4.95	742	2.83	3.79
1344	FM 9058F	5.70	1.10	81.0	31.0	6.2	74.0	7.3	5.65	754	3.13	3.76
1212	ALL TEX ATLAS RR	5.70	1.00	81.7	33.0	7.0	69.0	8.2	5.60	788	2.57	3.82
1169	FIBERMAX 958	5.95	1.05	80.9	32.0	6.4	72.5	7.8	5.90	616	3.46	3.68
1166	PHYTOGEN 72	5.35	1.10	82.2	36.5	7.2	68.5	8.8	5.30	672	3.45	4.08
.	LSD	0.30	0.08	1.9	2.2	0.5	3.2	0.8	0.29	208	0.78	0.26

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.45	0.52	0.97	373	6.0	1.19	105	40.20	4.18	3.9
1351	DPL 121RF	0.49	0.58	1.06	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.61	0.70	1.31	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.47	0.53	0.98	423	19.8	1.54	92	45.93	4.20	3.0
1348	ALL TEX SUMMIT B2RF	0.52	0.61	1.12	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.55	0.64	1.19	380	8.8	1.27	102	42.04	4.30	3.7
1350	AMERICOT NG 2448R	0.47	0.54	1.00	.	.	.	.	.	.	.
1352	FM 9180B2F	0.43	0.51	0.94	.	.	.	.	.	.	.
1349	AMERICOT NG 1572RF	0.50	0.58	1.08	.	.	.	.	.	.	.
1344	FM 9058F	0.40	0.47	0.86	372	8.8	1.27	102	42.95	4.47	3.8

1212	ALL TEX ATLAS RR	0.55	0.65	1.20	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.38	0.45	0.82	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.37	0.42	0.79	388	11.0	1.34	99	43.09	4.29	3.5
.	LSD	0.04	0.04	0.10	40.9	6.6	0.17	7	5.21	0.84	0.6

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**





2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 EASTERN REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
-----------------	-----------------	----------------------------	--------------------------	-----------------	---------------	------------------------------	----------------------------------	------------------------------------	------------------------------	-----------

1270	DP 555BG/RR	1592	5.15	42.9	8.5	119	1.13	0.55	204	6.7
1365	FM 1740B2RF	1591	5.35	45.5	9.8	124	1.14	0.57	203	7.6
1369	DP 141B2RF	1540	4.94	42.0	8.9	124	1.18	0.56	201	8.2
1326	PHY 375WRF	1528	5.16	44.0	9.3	120	1.12	0.56	194	8.4
1357	DP 174RF	1506	5.49	39.9	9.4	119	1.15	0.57	192	8.0
1323	STV 4554B2RF	1461	4.78	42.3	9.2	118	1.14	0.57	199	9.3
1370	DP 161B2RF	1460	5.03	42.1	9.6	128	1.18	0.58	209	7.9
1322	DPL 143B2RF	1453	5.22	42.6	9.1	118	1.18	0.55	191	6.9
1358	FM 1740B2F	1440	.	.	.	112	1.13	0.56	197	7.8
1313	PHY 485WRF	1437	4.69	42.8	10.1	124	1.13	0.57	206	9.1
1325	STV 4427B2RF	1434	4.87	42.3	9.6	122	1.12	0.57	202	7.4
1371	DP 164B2RF	1412	5.06	41.6	9.9	123	1.16	0.57	204	7.3
1364	DP 135B2RF	1409	5.52	43.4	10.0	113	1.11	0.56	188	8.6
1324	STV 5327B2RF	1404	4.76	42.5	9.3	123	1.13	0.57	209	8.4
1321	DPL 117B2RF	1359	5.15	42.2	9.7	130	1.12	0.56	214	7.5
1366	FM 9063B2RF	1356	5.67	42.0	10.2	131	1.18	0.58	213	7.0
1344	FM 9058F	1232	5.39	38.4	9.7	129	1.19	0.58	209	6.5
1166	PHYTOGEN 72	1220	5.19	35.7	10.2	138	1.17	0.57	231	8.1
.	LSD	238	0.54	6.7	1.0	7	0.03	0.02	11	1.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)		COLORIMETER HUNTER'S RD		MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	4.51	1.13	82.6	30.8	6.3	73.9	7.1	4.57	1925	3.68	3.46
1365	FM 1740B2RF	4.54	1.13	83.8	30.5	7.0	75.1	7.5	4.56	1855	2.93	3.50
1369	DP 141B2RF	4.18	1.18	83.5	30.8	6.7	72.9	7.0	4.17	1954	2.77	3.22
1326	PHY 375WRF	4.44	1.14	83.6	29.7	6.8	72.3	7.4	4.35	1834	2.46	3.51
1357	DP 174RF	4.69	1.17	83.7	28.7	6.7	72.7	7.8	4.67	2126	2.74	3.56
1323	STV 4554B2RF	4.47	1.13	83.3	30.2	7.2	71.3	7.8	4.44	1782	2.95	3.30
1370	DP 161B2RF	4.51	1.19	84.6	32.2	6.8	72.7	6.9	4.46	1921	2.60	3.16
1322	DPL 143B2RF	4.17	1.18	82.9	29.8	6.4	72.8	7.4	4.11	1861	3.06	3.35
1358	FM 1740B2F	4.58	1.15	83.5	29.8	6.6	69.3	6.4	4.50	.	3.04	3.34
1313	PHY 485WRF	4.70	1.14	84.2	31.4	7.5	71.6	7.7	4.67	1813	2.69	3.47
1325	STV 4427B2RF	4.17	1.11	83.6	31.1	6.7	71.7	6.9	4.20	1782	2.99	3.29
1371	DP 164B2RF	4.38	1.17	83.4	30.8	6.5	73.3	7.0	4.35	1850	2.73	3.24
1364	DP 135B2RF	4.59	1.12	83.6	29.1	6.9	73.3	7.9	4.55	1780	2.45	3.43
1324	STV 5327B2RF	4.43	1.13	83.4	30.8	6.8	71.8	7.9	4.41	1802	2.75	3.45
1321	DPL 117B2RF	4.53	1.11	83.5	32.4	6.8	71.0	7.5	4.53	1704	2.99	3.64

1366	FM 9063B2RF	4.39	1.19	84.1	32.1	6.5	74.4	7.1	4.39	1814	3.05	3.33
1344	FM 9058F	4.19	1.20	84.0	30.6	6.2	72.9	7.3	4.24	1784	2.78	3.41
1166	PHYTOGEN 72	4.48	1.18	83.9	34.6	7.1	70.3	8.0	4.48	2103	2.43	3.39
.	LSD	0.26	0.04	0.7	1.6	0.3	1.8	0.5	0.24	314	0.54	0.22

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.61	0.46	1.07	443	29.1	1.74	84	49.12	4.30	2.8
1365	FM 1740B2RF	0.59	0.44	1.03	.	.	.	.	.	.	.
1369	DP 141B2RF	0.70	0.53	1.23	.	.	.	.	.	.	.
1326	PHY 375WRF	0.72	0.54	1.25	454	29.9	1.74	84	47.82	4.10	2.8
1357	DP 174RF	0.64	0.49	1.12	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.68	0.52	1.20	441	32.0	1.79	82	50.86	4.50	2.8
1370	DP 161B2RF	0.55	0.41	0.96	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.74	0.56	1.30	.	.	.	.	.	.	.
1358	FM 1740B2F	0.62	0.49	1.11	.	.	.	.	.	.	.
1313	PHY 485WRF	0.80	0.61	1.41	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.80	0.61	1.41	.	.	.	.	.	.	.
1371	DP 164B2RF	0.55	0.41	0.96	.	.	.	.	.	.	.
1364	DP 135B2RF	0.63	0.47	1.10	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.71	0.55	1.26	.	.	.	.	.	.	.
1321	DPL 117B2RF	0.76	0.58	1.35	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.62	0.47	1.08	.	.	.	.	.	.	.
1344	FM 9058F	0.60	0.44	1.04	465	28.9	1.73	84	46.83	3.92	2.6
1166	PHYTOGEN 72	0.63	0.47	1.10	446	27.8	1.70	85	48.03	4.20	2.8
.	LSD	0.07	0.06	0.13	20.0	7.4	0.15	6	2.70	0.24	0.2

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

FM 1740B2F	.
DP 555BG/RR	5.15
DP 141B2RF	4.94
DP 174RF	5.49
PHY 375WRF	5.16
DPL 143B2RF	5.22
STV 4554B2RF	4.78
DP 161B2RF	5.03
STV 4427B2RF	4.87
DP 164B2RF	5.06
PHY 485WRF	4.69
STV 5327B2RF	4.76
DP 135B2RF	5.52
DPL 117B2RF	5.15
FM 9063B2RF	5.67
FM 1740B2RF	5.35
PHYTOGEN 72	5.19
FM 9058F	5.39

FM 1740B2F	.
DP 555BG/RR	42.9
DP 141B2RF	42.0
DP 174RF	39.9
PHY 375WRF	44.0
DPL 143B2RF	42.6
STV 4554B2RF	42.3
DP 161B2RF	42.1
STV 4427B2RF	42.3
DP 164B2RF	41.6
PHY 485WRF	42.8
STV 5327B2RF	42.5
DP 135B2RF	43.4
DPL 117B2RF	42.2
FM 9063B2RF	42.0
FM 1740B2RF	45.5
PHYTOGEN 72	35.7
FM 9058F	38.4

FM 1740B2F	.
DP 555BG/RR	8.5
DP 141B2RF	8.9
DP 174RF	9.4
PHY 375WRF	9.3
DPL 143B2RF	9.1
STV 4554B2RF	9.2
DP 161B2RF	9.6
STV 4427B2RF	9.6
DP 164B2RF	9.9
PHY 485WRF	10.1
STV 5327B2RF	9.3
DP 135B2RF	10.0
DPL 117B2RF	9.7
FM 9063B2RF	10.2
FM 1740B2RF	9.8
PHYTOGEN 72	10.2
FM 9058F	9.7

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

FM 1740B2F	1.15
DP 555BG/RR	1.13
DP 141B2RF	1.18
DP 174RF	1.17
PHY 375WRF	1.14
DPL 143B2RF	1.18
STV 4554B2RF	1.13
DP 161B2RF	1.19
STV 4427B2RF	1.11
DP 164B2RF	1.17
PHY 485WRF	1.14
STV 5327B2RF	1.13
DP 135B2RF	1.12
DPL 117B2RF	1.11
FM 9063B2RF	1.19
FM 1740B2RF	1.13

FM 1740B2F	83.5
DP 555BG/RR	82.6
DP 141B2RF	83.5
DP 174RF	83.7
PHY 375WRF	83.6
DPL 143B2RF	82.9
STV 4554B2RF	83.3
DP 161B2RF	84.6
STV 4427B2RF	83.6
DP 164B2RF	83.4
PHY 485WRF	84.2
STV 5327B2RF	83.4
DP 135B2RF	83.6
DPL 117B2RF	83.5
FM 9063B2RF	84.1
FM 1740B2RF	83.8

FM 1740B2F	29.8
DP 555BG/RR	30.8
DP 141B2RF	30.8
DP 174RF	28.7
PHY 375WRF	29.7
DPL 143B2RF	29.8
STV 4554B2RF	30.2
DP 161B2RF	32.2
STV 4427B2RF	31.1
DP 164B2RF	30.8
PHY 485WRF	31.4
STV 5327B2RF	30.8
DP 135B2RF	29.1
DPL 117B2RF	32.4
FM 9063B2RF	32.1
FM 1740B2RF	30.5

PHYTOGEN 72 1.18
FM 9058F 1.20

PHYTOGEN 72 83.9
FM 9058F 84.0

PHYTOGEN 72 34.6
FM 9058F 30.6

E

MICRONAIRE (SL-HVI)

COLORIMETER - Rd

FM 1740B2F 6.6
DP 555BG/RR 6.3
DP 141B2RF 6.7
DP 174RF 6.7
PHY 375WRF 6.8
DPL 143B2RF 6.4
STV 4554B2RF 7.2
DP 161B2RF 6.8
STV 4427B2RF 6.7
DP 164B2RF 6.5
PHY 485WRF 7.5
STV 5327B2RF 6.8
DP 135B2RF 6.9
DPL 117B2RF 6.8
FM 9063B2RF 6.5
FM 1740B2RF 7.0
PHYTOGEN 72 7.1
FM 9058F 6.2

FM 1740B2F 4.50
DP 555BG/RR 4.57
DP 141B2RF 4.17
DP 174RF 4.67
PHY 375WRF 4.35
DPL 143B2RF 4.11
STV 4554B2RF 4.44
DP 161B2RF 4.46
STV 4427B2RF 4.20
DP 164B2RF 4.35
PHY 485WRF 4.67
STV 5327B2RF 4.41
DP 135B2RF 4.55
DPL 117B2RF 4.53
FM 9063B2RF 4.39
FM 1740B2RF 4.56
PHYTOGEN 72 4.48
FM 9058F 4.24

FM 1740B2F 69.3
DP 555BG/RR 73.9
DP 141B2RF 72.9
DP 174RF 72.7
PHY 375WRF 72.3
DPL 143B2RF 72.8
STV 4554B2RF 71.3
DP 161B2RF 72.7
STV 4427B2RF 71.7
DP 164B2RF 73.3
PHY 485WRF 71.6
STV 5327B2RF 71.8
DP 135B2RF 73.3
DPL 117B2RF 71.0
FM 9063B2RF 74.4
FM 1740B2RF 75.1
PHYTOGEN 72 70.3
FM 9058F 72.9

COLORIMETER - b

MICRONAIRE

STELOMETER - E1

FM 1740B2F 6.4
DP 555BG/RR 7.1
DP 141B2RF 7.0
DP 174RF 7.8
PHY 375WRF 7.4
DPL 143B2RF 7.4

FM 1740B2F 4.58
DP 555BG/RR 4.51
DP 141B2RF 4.18
DP 174RF 4.69
PHY 375WRF 4.44
DPL 143B2RF 4.17

FM 1740B2F 7.8
DP 555BG/RR 6.7
DP 141B2RF 8.2
DP 174RF 8.0
PHY 375WRF 8.4
DPL 143B2RF 6.9

STV 4554B2RF	7.8
DP 161B2RF	6.9
STV 4427B2RF	6.9
DP 164B2RF	7.0
PHY 485WRF	7.7
STV 5327B2RF	7.9
DP 135B2RF	7.9
DPL 117B2RF	7.5
FM 9063B2RF	7.1
FM 1740B2RF	7.5
PHYTOGEN 72	8.0
FM 9058F	7.3

STV 4554B2RF	4.47
DP 161B2RF	4.51
STV 4427B2RF	4.17
DP 164B2RF	4.38
PHY 485WRF	4.70
STV 5327B2RF	4.43
DP 135B2RF	4.59
DPL 117B2RF	4.53
FM 9063B2RF	4.39
FM 1740B2RF	4.54
PHYTOGEN 72	4.48
FM 9058F	4.19

STV 4554B2RF	9.3
DP 161B2RF	7.9
STV 4427B2RF	7.4
DP 164B2RF	7.3
PHY 485WRF	9.1
STV 5327B2RF	8.4
DP 135B2RF	8.6
DPL 117B2RF	7.5
FM 9063B2RF	7.0
FM 1740B2RF	7.6
PHYTOGEN 72	8.1
FM 9058F	6.5

 STELOMETER - T1

 FIBROGRAPH - 50% S.L.

 FIBROGRAPH - 2.5% S.L.

FM 1740B2F	197
DP 555BG/RR	204
DP 141B2RF	201
DP 174RF	192
PHY 375WRF	194
DPL 143B2RF	191
STV 4554B2RF	199
DP 161B2RF	209
STV 4427B2RF	202
DP 164B2RF	204
PHY 485WRF	206
STV 5327B2RF	209
DP 135B2RF	188
DPL 117B2RF	214
FM 9063B2RF	213
FM 1740B2RF	203
PHYTOGEN 72	231
FM 9058F	209

FM 1740B2F	0.56
DP 555BG/RR	0.55
DP 141B2RF	0.56
DP 174RF	0.57
PHY 375WRF	0.56
DPL 143B2RF	0.55
STV 4554B2RF	0.57
DP 161B2RF	0.58
STV 4427B2RF	0.57
DP 164B2RF	0.57
PHY 485WRF	0.57
STV 5327B2RF	0.57
DP 135B2RF	0.56
DPL 117B2RF	0.56
FM 9063B2RF	0.58
FM 1740B2RF	0.57
PHYTOGEN 72	0.57
FM 9058F	0.58

FM 1740B2F	1.13
DP 555BG/RR	1.13
DP 141B2RF	1.18
DP 174RF	1.15
PHY 375WRF	1.12
DPL 143B2RF	1.18
STV 4554B2RF	1.14
DP 161B2RF	1.18
STV 4427B2RF	1.12
DP 164B2RF	1.16
PHY 485WRF	1.13
STV 5327B2RF	1.13
DP 135B2RF	1.11
DPL 117B2RF	1.12
FM 9063B2RF	1.18
FM 1740B2RF	1.14
PHYTOGEN 72	1.17
FM 9058F	1.19

 YARN TENACITY

FM 1740B2F	112
DP 555BG/RR	119
DP 141B2RF	124
DP 174RF	119
PHY 375WRF	120
DPL 143B2RF	118
STV 4554B2RF	118
DP 161B2RF	128
STV 4427B2RF	122
DP 164B2RF	123
PHY 485WRF	124
STV 5327B2RF	123
DP 135B2RF	113
DPL 117B2RF	130
FM 9063B2RF	131
FM 1740B2RF	124
PHYTOGEN 72	138
FM 9058F	129

 AREALOMETER - A (MM2/MM3)

FM 1740B2F	.
DP 555BG/RR	443
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	454
DPL 143B2RF	.
STV 4554B2RF	441
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.
DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	446
FM 9058F	465

 AREALOMETER - D (MM2/MM3)

FM 1740B2F	.
DP 555BG/RR	29.1
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	29.9
DPL 143B2RF	.
STV 4554B2RF	32.0
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.
DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	27.8
FM 9058F	28.9

 AREALOMETER - I

FM 1740B2F	.
DP 555BG/RR	1.74
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	1.74
DPL 143B2RF	.
STV 4554B2RF	1.79
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.

 AREALOMETER - M (PERCENT)

FM 1740B2F	.
DP 555BG/RR	84
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	84
DPL 143B2RF	.
STV 4554B2RF	82
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.

 AREALOMETER - P (MIC)???

FM 1740B2F	.
DP 555BG/RR	49.12
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	47.82
DPL 143B2RF	.
STV 4554B2RF	50.86
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.

DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	1.70
FM 9058F	1.73

DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	85
FM 9058F	84

DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	48.03
FM 9058F	46.83

AREALOMETER - W (MG/INCH)

FM 1740B2F	.
DP 555BG/RR	4.30
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	4.10
DPL 143B2RF	.
STV 4554B2RF	4.50
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.
DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	4.20
FM 9058F	3.92

AREALOMETER - t (MICRONS)

FM 1740B2F	.
DP 555BG/RR	2.8
DP 141B2RF	.
DP 174RF	.
PHY 375WRF	2.8
DPL 143B2RF	.
STV 4554B2RF	2.8
DP 161B2RF	.
STV 4427B2RF	.
DP 164B2RF	.
PHY 485WRF	.
STV 5327B2RF	.
DP 135B2RF	.
DPL 117B2RF	.
FM 9063B2RF	.
FM 1740B2RF	.
PHYTOGEN 72	2.8
FM 9058F	2.6

SEED YIELD (LB/ACRE)

FM 1740B2F	.
DP 555BG/RR	1925
DP 141B2RF	1954
DP 174RF	2126
PHY 375WRF	1834
DPL 143B2RF	1861
STV 4554B2RF	1782
DP 161B2RF	1921
STV 4427B2RF	1782
DP 164B2RF	1850
PHY 485WRF	1813
STV 5327B2RF	1802
DP 135B2RF	1780
DPL 117B2RF	1704
FM 9063B2RF	1814
FM 1740B2RF	1855
PHYTOGEN 72	2103
FM 9058F	1784

OIL (PERCENT)

FM 1740B2F	3.04
------------	------

NITROGEN (PERCENT)

FM 1740B2F	3.34
------------	------

PLUS GOSSYPOL

FM 1740B2F	0.62
------------	------

DP 555BG/RR	3.68
DP 141B2RF	2.77
DP 174RF	2.74
PHY 375WRF	2.46
DPL 143B2RF	3.06
STV 4554B2RF	2.95
DP 161B2RF	2.60
STV 4427B2RF	2.99
DP 164B2RF	2.73
PHY 485WRF	2.69
STV 5327B2RF	2.75
DP 135B2RF	2.45
DPL 117B2RF	2.99
FM 9063B2RF	3.05
FM 1740B2RF	2.93
PHYTOGEN 72	2.43
FM 9058F	2.78

DP 555BG/RR	3.46
DP 141B2RF	3.22
DP 174RF	3.56
PHY 375WRF	3.51
DPL 143B2RF	3.35
STV 4554B2RF	3.30
DP 161B2RF	3.16
STV 4427B2RF	3.29
DP 164B2RF	3.24
PHY 485WRF	3.47
STV 5327B2RF	3.45
DP 135B2RF	3.43
DPL 117B2RF	3.64
FM 9063B2RF	3.33
FM 1740B2RF	3.50
PHYTOGEN 72	3.39
FM 9058F	3.41

DP 555BG/RR	0.61
DP 141B2RF	0.70
DP 174RF	0.64
PHY 375WRF	0.72
DPL 143B2RF	0.74
STV 4554B2RF	0.68
DP 161B2RF	0.55
STV 4427B2RF	0.80
DP 164B2RF	0.55
PHY 485WRF	0.80
STV 5327B2RF	0.71
DP 135B2RF	0.63
DPL 117B2RF	0.76
FM 9063B2RF	0.62
FM 1740B2RF	0.59
PHYTOGEN 72	0.63
FM 9058F	0.60

 MINUS GOSSYPOL

 TOTAL GOSSYPOL (PERCENT)

FM 1740B2F	0.49
DP 555BG/RR	0.46
DP 141B2RF	0.53
DP 174RF	0.49
PHY 375WRF	0.54
DPL 143B2RF	0.56
STV 4554B2RF	0.52
DP 161B2RF	0.41
STV 4427B2RF	0.61
DP 164B2RF	0.41
PHY 485WRF	0.61
STV 5327B2RF	0.55
DP 135B2RF	0.47
DPL 117B2RF	0.58
FM 9063B2RF	0.47
FM 1740B2RF	0.44
PHYTOGEN 72	0.47
FM 9058F	0.44

FM 1740B2F	1.11
DP 555BG/RR	1.07
DP 141B2RF	1.23
DP 174RF	1.12
PHY 375WRF	1.25
DPL 143B2RF	1.30
STV 4554B2RF	1.20
DP 161B2RF	0.96
STV 4427B2RF	1.41
DP 164B2RF	0.96
PHY 485WRF	1.41
STV 5327B2RF	1.26
DP 135B2RF	1.10
DPL 117B2RF	1.35
FM 9063B2RF	1.08
FM 1740B2RF	1.03
PHYTOGEN 72	1.10
FM 9058F	1.04

=====

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)			(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
AUBURN, AL	2037	5.87	43.1	9.9	135	1.15	0.57	205	7.3
SUFFOLK, VA	1755	.	.	.	121	1.15	0.56	199	9.0
FLORENCE, SC	1623	.	40.4	.	115	1.16	0.57	199	7.7
GRIFFIN, GA	1381	.	.	.	112	1.15	0.56	205	7.2
STARKVILLE, MS	1173	4.95	40.7	.	128	1.19	0.59	210	7.0
JACKSON, TN	963	5.06	41.5	.	119	1.12	0.57	202	8.4
BELLE MINA, AL	800	4.66	43.6	9.2	132	1.09	0.54	205	8.4

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

LOCATION	MICRO	2.5%	UNIFO-	STRE-	SEED	COLORIMETER		MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	RMITY	NGTH		HUNTER'S	NAIRE	YIELD				OGEN
	(reading)	(in.)	(%)	(g/tex)	E	RD	b	(Reading)	(lb/ac)	(%)	(%)
AUBURN, AL	5.03	1.15	84.2	32.4	6.9	77.3	8.0	4.97	2684	2.55	3.51
SUFFOLK, VA	4.01	1.16	82.7	30.1	6.8	69.4	6.2	4.05	.	2.96	3.22
FLORENCE, SC	4.06	1.16	83.4	28.2	6.5	64.8	6.6	4.01	2367	2.81	3.22
GRIFFIN, GA	4.74	1.15	83.4	31.9	6.5	66.6	7.7	4.66	.	3.07	3.15
STARKVILLE, MS	4.11	1.20	85.1	30.8	6.6	76.6	7.2	4.11	1549	3.31	3.45
JACKSON, TN	4.01	1.13	84.6	30.9	7.1	78.7	7.8	4.05	1354	2.42	3.30
BELLE MINA, AL	4.83	1.10	82.7	32.0	7.1	77.5	8.5	4.87	1035	2.42	3.85

---GOSSYPOL LEVELS--- -----AREALOMETER DATA-----

PLUS MINUS TOTAL A D M p w t

LOCATION	(+)	(-)	(%)	---(mm2/mm3)---		I	%	(microns)	(mg/in)	(microns)
AUBURN, AL	0.57	0.45	1.02	393	18.1	1.50	93	48.05	4.74	3.3
SUFFOLK, VA	0.73	0.54	1.27	475	33.8	1.83	81	48.35	3.94	2.6
FLORENCE, SC	0.73	0.58	1.32	476	42.1	1.98	75	52.46	4.27	2.5
GRIFFIN, GA	0.65	0.55	1.19	428	24.0	1.64	88	48.08	4.35	2.9
STARKVILLE, MS	0.76	0.49	1.25	483	33.2	1.82	81	47.09	3.78	2.5
JACKSON, TN	0.77	0.55	1.31	497	36.0	1.86	79	46.85	3.66	2.5
BELLE MINA, AL	0.52	0.41	0.93	424	22.4	1.60	90	47.18	4.30	3.0

INDIVIDUAL LOCATIONS

LOCATION=JACKSON, TN

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1142	5.10	41.9	.	114	1.11	0.57	201	8.8
1313	PHY 485WRF	1095	4.00	43.1	.	116	1.11	0.58	210	11.5
1364	DP 135B2RF	1047	5.45	44.5	.	106	1.08	0.55	180	8.0
1325	STV 4427B2RF	1031	4.60	39.5	.	111	1.09	0.58	190	8.0
1321	DPL 117B2RF	954	5.40	41.3	.	125	1.13	0.59	230	8.3
1366	FM 9063B2RF	762	5.35	39.0	.	132	1.19	0.59	202	7.0
1344	FM 9058F	709	5.50	41.2	.	129	1.18	0.57	205	7.5
.	LSD	146	1.44	1.7	.	14	0.06	0.03	12	1.7

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO	2.5%	UNIFO-	STRE-	E	COLORIMETER		MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		HUNTER'S RD	b	NAIRE (Reading)	YIELD (lb/ac)		
1326	PHY 375WRF	3.90	1.10	84.8	30.0	7.1	77.5	7.7	3.85	1583	2.86	3.33
1313	PHY 485WRF	4.30	1.10	85.4	31.5	8.2	77.0	8.8	4.40	1447	2.24	3.14
1364	DP 135B2RF	4.45	1.10	84.4	30.0	7.2	79.0	7.8	4.35	1308	2.17	3.25

1325	STV 4427B2RF	3.80	1.10	84.6	30.5	6.8	79.0	7.8	3.80	1583	2.85	3.18
1321	DPL 117B2RF	4.40	1.10	84.7	32.0	7.5	79.0	8.2	4.40	1356	2.18	3.67
1366	FM 9063B2RF	3.70	1.20	84.7	32.0	6.5	80.5	7.4	3.80	1191	2.14	3.14
1344	FM 9058F	3.55	1.20	84.0	30.0	6.5	79.0	7.3	3.75	1011	2.55	3.42
.	LSD	0.69	.	1.8	2.5	0.4	3.1	0.8	0.75	216	0.45	0.43

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.80	0.57	1.38	492	36.0	1.85	80	46.69	3.69	2.5
1313	PHY 485WRF	0.86	0.61	1.47	.	.	.	.	.	.	.
1364	DP 135B2RF	0.66	0.47	1.13	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.95	0.67	1.61	.	.	.	.	.	.	.
1321	DPL 117B2RF	0.86	0.62	1.47	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.66	0.47	1.12	.	.	.	.	.	.	.
1344	FM 9058F	0.60	0.44	1.04	501	36.0	1.88	79	47.01	3.63	2.4
.	LSD	0.11	0.11	0.20	.	.	.	.	.	.	.

LOCATION=AUBURN, AL

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1357	DP 174RF	2253	6.03	43.6	9.9	135	1.13	0.57	198	7.8
1326	PHY 375WRF	2189	5.93	42.6	9.4	131	1.16	0.59	206	9.5
1321	DPL 117B2RF	2155	5.95	44.7	10.1	132	1.14	0.56	200	7.3
1366	FM 9063B2RF	2141	6.05	44.2	10.2	127	1.14	0.56	209	8.3
1166	PHYTOGEN 72	2141	5.53	43.4	10.4	131	1.11	0.55	203	7.0
1344	FM 9058F	2120	5.68	43.9	9.5	130	1.19	0.57	206	7.0
1369	DP 141B2RF	2107	5.50	43.9	9.6	135	1.14	0.56	199	6.3
1323	STV 4554B2RF	2107	5.75	43.6	9.3	131	1.18	0.58	197	6.3
1370	DP 161B2RF	2039	5.75	42.1	9.9	136	1.20	0.59	202	7.3
1270	DP 555BG/RR	2037	5.73	43.6	8.9	128	1.14	0.57	202	7.0
1365	FM 1740B2RF	2004	5.80	43.4	10.1	131	1.14	0.58	215	7.9
1325	STV 4427B2RF	1995	6.15	42.7	10.5	147	1.16	0.57	217	7.6

1322	DPL 143B2RF	1989	6.13	42.6	9.3	135	1.14	0.56	185	6.5
1371	DP 164B2RF	1922	5.95	42.5	10.3	143	1.16	0.58	210	7.0
1364	DP 135B2RF	1905	6.23	43.0	10.0	137	1.15	0.58	209	8.3
1324	STV 5327B2RF	1821	5.88	42.4	9.9	140	1.17	0.58	218	7.3
1313	PHY 485WRF	1699	5.85	41.3	11.1	144	1.19	0.59	219	6.0
.	LSD	215	0.68	2.4	1.0	15	0.09	0.05	22	3.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
--------------	--------------	-----------------------	-----------------	-----------------	--------------------	---	-------------------------	---	------------------------	--------------------	---------	---------------

1357	DP 174RF	5.15	1.15	84.1	32.0	6.9	78.5	8.1	5.05	2919	2.66	3.50
1326	PHY 375WRF	5.20	1.15	84.1	33.0	7.3	75.5	8.2	5.05	2949	1.76	3.57
1321	DPL 117B2RF	5.40	1.10	83.9	31.0	6.9	77.5	8.1	5.35	2679	2.94	3.67
1366	FM 9063B2RF	5.05	1.15	84.2	31.5	6.9	79.5	8.2	5.05	2702	2.49	3.59
1166	PHYTOGEN 72	5.05	1.15	83.8	31.0	6.8	76.0	7.8	5.00	2792	1.87	3.70
1344	FM 9058F	4.80	1.15	85.0	31.5	6.7	77.0	8.3	4.90	2715	1.60	3.52
1369	DP 141B2RF	4.55	1.15	83.6	31.5	7.0	77.0	8.3	4.50	2689	2.51	3.41
1323	STV 4554B2RF	5.05	1.15	83.7	31.5	6.7	76.5	8.0	5.00	2736	3.67	3.52
1370	DP 161B2RF	4.65	1.20	84.8	31.5	6.8	77.5	7.9	4.65	2807	2.19	3.44
1270	DP 555BG/RR	5.35	1.15	84.3	32.5	6.6	76.5	8.0	5.30	2641	4.99	3.33
1365	FM 1740B2RF	5.30	1.10	84.8	33.5	7.9	77.0	7.8	5.10	2619	2.44	3.58
1325	STV 4427B2RF	5.00	1.15	84.7	34.5	7.0	78.5	7.7	5.05	2687	2.45	3.45
1322	DPL 143B2RF	5.00	1.15	83.9	33.0	7.1	76.0	8.2	4.80	2676	2.95	3.52
1371	DP 164B2RF	4.95	1.15	83.8	33.5	6.8	80.5	7.7	4.85	2616	2.07	3.62
1364	DP 135B2RF	5.05	1.15	84.7	31.5	7.5	74.5	8.0	5.05	2528	1.90	3.44
1324	STV 5327B2RF	5.05	1.15	83.7	34.5	6.8	76.5	8.3	5.05	2462	2.19	3.39
1313	PHY 485WRF	4.85	1.15	84.1	33.0	6.6	79.5	7.8	4.70	2415	2.64	3.53
.	LSD	0.95	0.13	2.0	4.7	0.8	4.4	0.8	0.89	294	1.35	0.28

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)

1357	DP 174RF	0.63	0.49	1.12	.	.	.	.	.	.	.
1326	PHY 375WRF	0.58	0.47	1.05	386	12.0	1.36	98	44.26	4.46	3.5

1321	DPL 117B2RF	0.59	0.46	1.05	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.60	0.46	1.06	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.67	0.52	1.19	387	17.3	1.49	94	48.29	4.83	3.4
1344	FM 9058F	0.64	0.50	1.14	414	22.8	1.61	89	49.13	4.63	3.0
1369	DP 141B2RF	0.62	0.49	1.11	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.57	0.46	1.03	394	22.8	1.61	89	51.35	5.07	3.2
1370	DP 161B2RF	0.56	0.45	1.01	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.57	0.45	1.01	386	15.8	1.46	95	47.25	4.74	3.4
1365	FM 1740B2RF	0.55	0.44	0.98	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.55	0.44	0.99	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.56	0.43	0.99	.	.	.	.	.	.	.
1371	DP 164B2RF	0.53	0.41	0.94	.	.	.	.	.	.	.
1364	DP 135B2RF	0.58	0.46	1.04	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.48	0.37	0.85	.	.	.	.	.	.	.
1313	PHY 485WRF	0.50	0.40	0.90	.	.	.	.	.	.	.
.	LSD	0.10	0.10	0.18	72.8	11.4	0.26	10	9.11	1.56	0.7

LOCATION=FLORENCE, SC

VARIETY	VARIETY	LINT	BOLL	LINT	SEED	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
CODE	NAME	YIELD	SIZE	PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(LB/ACRE)	(G/BOLL)			(Mn/tex)	(INCHES)	(inches)	(mN/tex)	(%)
1365	FM 1740B2RF	2140	.	50.7	.	110	1.13	0.55	193	7.8
1326	PHY 375WRF	1956	.	47.2	.	111	1.13	0.56	186	8.0
1325	STV 4427B2RF	1947	.	47.5	.	110	1.13	0.57	199	7.3
1313	PHY 485WRF	1888	.	46.8	.	114	1.13	0.58	196	8.7
1324	STV 5327B2RF	1868	.	43.9	.	112	1.14	0.57	213	7.5
1366	FM 9063B2RF	1744	.	44.7	.	130	1.20	0.59	223	7.0
1322	DPL 143B2RF	1741	.	44.9	.	109	1.18	0.55	176	7.3
1321	DPL 117B2RF	1730	.	42.8	.	123	1.13	0.56	210	7.0
1323	STV 4554B2RF	1728	.	42.8	.	109	1.13	0.58	190	9.8
1370	DP 161B2RF	1718	.	45.4	.	119	1.19	0.59	208	7.7
1371	DP 164B2RF	1717	.	43.2	.	114	1.20	0.59	196	6.7
1364	DP 135B2RF	1716	.	40.6	.	106	1.13	0.55	180	8.4
1270	DP 555BG/RR	1673	.	40.2	.	109	1.12	0.54	200	7.2
1369	DP 141B2RF	1555	.	41.8	.	117	1.21	0.58	195	8.8
1357	DP 174RF	1004	.	25.0	.	114	1.18	0.57	181	8.0
1344	FM 9058F	742	.	20.9	.	129	1.26	0.61	213	5.7
1166	PHYTOGEN 72	724	.	19.3	.	130	1.21	0.59	224	7.8
.	LSD	243	.	6.1	.	7	0.03	0.03	18	1.0

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY	VARIETY	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	NITR	
CODE	NAME	NAIRE	S.L.	MITY	NGTH	HUNTER'S			NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)	E	RD	b	(Reading)	(lb/ac)	(%)	(%)
1365	FM 1740B2RF	4.05	1.10	82.6	26.5	6.5	66.5	6.5	4.10	2084	2.81	3.25
1326	PHY 375WRF	4.10	1.20	83.7	26.0	6.4	65.0	6.3	3.95	2195	2.15	3.50
1325	STV 4427B2RF	3.80	1.10	82.2	27.0	6.4	61.5	5.0	3.75	2157	2.79	3.17
1313	PHY 485WRF	4.55	1.15	84.0	27.5	7.1	61.5	6.5	4.55	2136	2.46	3.23
1324	STV 5327B2RF	4.20	1.10	83.0	27.0	6.5	66.5	7.1	4.05	2396	2.62	3.43
1366	FM 9063B2RF	4.05	1.20	83.6	30.5	6.4	67.0	6.1	3.95	2160	3.11	3.09
1322	DPL 143B2RF	3.70	1.20	82.6	26.5	6.0	65.0	6.8	3.65	2137	3.31	3.09
1321	DPL 117B2RF	4.20	1.10	83.5	31.5	6.6	62.5	6.5	4.10	2321	3.19	3.46
1323	STV 4554B2RF	4.30	1.15	83.9	27.5	6.9	62.5	7.5	4.15	2315	2.21	3.08
1370	DP 161B2RF	4.05	1.20	84.2	30.5	6.8	65.5	5.4	3.95	2079	2.49	3.08
1371	DP 164B2RF	4.00	1.20	83.7	29.5	6.5	64.0	5.9	3.90	2254	3.23	3.11
1364	DP 135B2RF	4.10	1.10	83.0	27.0	6.7	67.5	8.0	4.10	2513	2.82	3.21
1270	DP 555BG/RR	4.25	1.10	82.2	27.5	5.9	70.0	7.2	4.20	2496	2.90	3.37
1369	DP 141B2RF	3.90	1.20	83.5	29.0	6.6	66.0	6.3	3.90	2168	3.12	2.85
1357	DP 174RF	3.90	1.20	83.0	26.0	6.3	66.5	7.0	3.90	3010	2.71	3.48
1344	FM 9058F	4.20	1.30	85.8	28.0	5.8	62.0	7.2	4.05	2805	3.02	3.18
1166	PHYTOGEN 72	3.75	1.20	83.7	31.5	6.7	62.0	8.0	3.85	3014	2.87	3.23
.	LSD	0.33	0.05	1.7	2.2	0.5	7.7	1.8	0.34	291	0.53	0.32

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---	I	(%)	(microns)	(mg/in)	(microns)	
1365	FM 1740B2RF	0.64	0.51	1.15	.	.	.	.	.	.
1326	PHY 375WRF	0.83	0.66	1.49	487	44.8	2.04	73	52.46	4.16	2.4
1325	STV 4427B2RF	0.86	0.70	1.56	.	.	.	.	.	.
1313	PHY 485WRF	0.92	0.74	1.66	.	.	.	.	.	.
1324	STV 5327B2RF	0.83	0.68	1.51	.	.	.	.	.	.
1366	FM 9063B2RF	0.64	0.51	1.15	.	.	.	.	.	.
1322	DPL 143B2RF	0.80	0.65	1.45	.	.	.	.	.	.
1321	DPL 117B2RF	0.82	0.66	1.48	.	.	.	.	.	.
1323	STV 4554B2RF	0.82	0.66	1.47	451	38.5	1.92	77	53.56	4.61	2.6

1370	DP 161B2RF	0.58	0.46	1.04	.	.	.	.	.	.	.
1371	DP 164B2RF	0.58	0.47	1.05	.	.	.	.	.	.	.
1364	DP 135B2RF	0.68	0.54	1.21	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.74	0.58	1.31	465	38.5	1.92	77	51.86	4.31	2.6
1369	DP 141B2RF	0.75	0.60	1.35	.	.	.	.	.	.	.
1357	DP 174RF	0.68	0.55	1.23	.	.	.	.	.	.	.
1344	FM 9058F	0.75	0.47	1.22	481	42.5	1.99	75	52.17	4.20	2.5
1166	PHYTOGEN 72	0.61	0.49	1.09	495	46.0	2.06	72	52.26	4.09	2.4
.	LSD	0.10	0.10	0.12	19.2	19.4	0.35	14	10.75	1.03	0.2

LOCATION=STARKVILLE, MS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1365	FM 1740B2RF	1440	5.35	43.0	.	128	1.21	0.60	195	7.4
1270	DP 555BG/RR	1372	5.45	43.0	.	117	1.18	0.56	204	4.8
1369	DP 141B2RF	1348	4.80	40.9	.	125	1.24	0.58	220	7.8
1366	FM 9063B2RF	1342	6.15	39.9	.	137	1.20	0.61	218	6.2
1357	DP 174RF	1326	5.60	44.4	.	126	1.23	0.61	191	6.9
1364	DP 135B2RF	1317	5.35	43.5	.	116	1.16	0.59	193	7.8
1313	PHY 485WRF	1267	4.60	39.9	.	127	1.19	0.61	210	7.4
1344	FM 9058F	1230	5.35	42.2	.	141	1.26	0.63	227	5.0
1370	DP 161B2RF	1216	4.75	39.2	.	136	1.21	0.60	225	7.0
1322	DPL 143B2RF	1210	5.05	40.7	.	118	1.23	0.57	200	6.2
1326	PHY 375WRF	1159	4.95	42.2	.	126	1.16	0.59	205	6.3
1371	DP 164B2RF	1023	4.60	38.8	.	122	1.18	0.58	203	6.9
1324	STV 5327B2RF	1017	4.20	38.9	.	128	1.16	0.60	215	8.3
1166	PHYTOGEN 72	1005	4.85	38.7	.	146	1.21	0.61	242	8.8
1325	STV 4427B2RF	950	4.50	38.9	.	126	1.15	0.59	191	6.1
1321	DPL 117B2RF	864	4.60	39.4	.	138	1.17	0.58	227	6.7
1323	STV 4554B2RF	862	4.05	38.8	.	116	1.17	0.59	206	9.3
.	LSD	219	0.91	1.5	.	7	0.05	0.04	12	1.3

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)								
VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S RD b	MICRO- NAIRE (Reading)	OIL (%)	NITR OGEN (%)

1365	FM 1740B2RF	4.05	1.20	86.0	29.5	6.5	79.5	7.1	4.10	1772	3.87	3.40
1270	DP 555BG/RR	4.10	1.20	84.0	30.0	5.9	78.5	6.9	4.20	1530	4.30	3.55
1369	DP 141B2RF	4.15	1.20	84.9	30.5	6.3	78.0	6.1	4.10	1826	2.81	3.23
1366	FM 9063B2RF	4.65	1.20	85.6	33.5	6.3	78.0	6.7	4.55	1928	4.01	3.40
1357	DP 174RF	4.35	1.25	86.5	29.5	6.9	78.0	7.9	4.35	1561	3.07	3.72
1364	DP 135B2RF	4.00	1.20	84.6	28.5	6.6	77.5	8.0	3.90	1549	2.58	3.34
1313	PHY 485WRF	4.40	1.20	86.1	32.5	7.6	74.5	7.7	4.50	1878	3.60	3.80
1344	FM 9058F	3.80	1.25	86.1	32.0	6.3	78.5	7.0	3.95	1525	2.47	3.47
1370	DP 161B2RF	4.35	1.20	86.8	32.5	6.8	76.0	6.8	4.30	1806	3.00	3.45
1322	DPL 143B2RF	3.95	1.20	83.7	30.0	6.2	76.5	7.3	3.90	1679	2.92	3.38
1326	PHY 375WRF	4.05	1.20	84.8	28.5	6.4	77.0	7.1	4.00	1287	2.40	3.53
1371	DP 164B2RF	3.90	1.20	84.6	28.5	6.2	76.5	6.8	3.95	1365	3.02	3.06
1324	STV 5327B2RF	3.90	1.15	84.5	31.0	6.9	75.0	7.7	3.95	1413	3.82	3.36
1166	PHYTOGEN 72	4.20	1.20	85.2	35.5	7.2	74.5	8.1	4.20	1453	2.61	3.51
1325	STV 4427B2RF	3.95	1.15	84.9	30.0	6.4	74.0	6.1	4.00	1540	4.11	3.32
1321	DPL 117B2RF	4.35	1.20	85.4	33.0	6.6	74.5	7.7	4.25	1142	3.74	3.79
1323	STV 4554B2RF	3.65	1.15	84.1	29.0	7.0	75.5	7.3	3.70	1078	3.92	3.32
.	LSD	0.50	0.08	1.5	2.0	0.3	3.5	1.4	0.58	558	0.58	0.23

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1365	FM 1740B2RF	0.71	0.47	1.17
1270	DP 555BG/RR	0.62	0.40	1.02	476	34.3	1.85	80	48.66	3.95	2.6	
1369	DP 141B2RF	0.80	0.52	1.31	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.73	0.48	1.20	.	.	.	.	.	.	.
1357	DP 174RF	0.74	0.48	1.21	.	.	.	.	.	.	.
1364	DP 135B2RF	0.72	0.47	1.19	.	.	.	.	.	.	.
1313	PHY 485WRF	1.03	0.69	1.72	.	.	.	.	.	.	.
1344	FM 9058F	0.62	0.42	1.04	483	27.3	1.71	86	44.38	3.56	2.5	
1370	DP 161B2RF	0.64	0.42	1.06	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.84	0.56	1.39	.	.	.	.	.	.	.
1326	PHY 375WRF	0.79	0.52	1.31	479	34.3	1.84	81	48.07	3.90	2.6	
1371	DP 164B2RF	0.63	0.41	1.03	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.83	0.55	1.37	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.72	0.46	1.17	472	25.8	1.68	87	44.48	3.65	2.7	
1325	STV 4427B2RF	0.87	0.56	1.43	.	.	.	.	.	.	.
1321	DPL 117B2RF	0.91	0.60	1.50	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.69	0.45	1.14	506	44.3	2.02	74	49.88	3.84	2.4	

. LSD 0.07 0.07 0.13 79.7 20.2 0.36 14 1.13 0.56 0.4

LOCATION=BELLE MINA, AL

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	992	4.68	46.2	9.3	125	1.03	0.52	187	9.2
1313	PHY 485WRF	896	4.33	43.0	9.0	132	1.07	0.55	215	10.3
1357	DP 174RF	894	4.85	46.9	8.9	118	1.09	0.55	202	9.0
1364	DP 135B2RF	844	5.05	45.7	9.9	124	1.06	0.53	180	11.0
1270	DP 555BG/RR	843	4.28	44.8	8.0	127	1.08	0.53	205	6.7
1371	DP 164B2RF	841	4.63	41.9	9.5	136	1.10	0.53	199	7.8
1166	PHYTOGEN 72	812	5.20	41.4	10.1	155	1.13	0.58	232	10.5
1366	FM 9063B2RF	797	5.13	42.3	10.3	142	1.18	0.58	221	7.0
1369	DP 141B2RF	794	4.53	41.2	8.2	131	1.12	0.54	195	9.0
1323	STV 4554B2RF	781	4.53	43.9	9.1	136	1.07	0.55	205	9.8
1365	FM 1740B2RF	778	4.90	45.2	9.6	129	1.10	0.55	208	7.3
1321	DPL 117B2RF	762	4.65	42.7	9.2	134	1.03	0.53	194	8.0
1324	STV 5327B2RF	762	4.20	44.8	8.7	134	1.08	0.55	226	9.0
1325	STV 4427B2RF	717	4.23	43.2	8.7	129	1.07	0.54	199	7.3
1370	DP 161B2RF	716	4.58	41.9	9.2	131	1.16	0.57	205	9.0
1322	DPL 143B2RF	701	4.48	42.3	8.9	127	1.12	0.54	203	7.3
1344	FM 9058F	672	5.03	43.7	9.9	132	1.12	0.55	217	5.6
.	LSD	148	0.49	0.9	0.8	8	0.06	0.04	18	2.0

VARIETY CODE	VARIETY NAME	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	SEED YIELD (lb/ac)	NITR OGEN (%)	COLORIMETER HUNTER'S RD	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	
1326	PHY 375WRF	5.20	1.05	82.0	31.5	7.4	76.0	8.8	5.25	1156	2.93	3.75
1313	PHY 485WRF	5.25	1.05	82.5	32.5	8.2	76.0	8.8	5.25	1187	2.09	3.97
1357	DP 174RF	5.40	1.10	82.2	28.0	7.0	76.0	9.1	5.40	1014	2.35	3.93
1364	DP 135B2RF	5.20	1.10	82.8	29.5	7.2	77.5	8.8	5.20	1002	1.82	4.08
1270	DP 555BG/RR	4.70	1.10	82.0	32.0	6.6	79.0	7.6	4.80	1034	3.30	3.90

1371	DP 164B2RF	4.95	1.10	82.6	32.0	7.0	79.0	8.4	4.90	1166	2.01	3.80
1166	PHYTOGEN 72	4.95	1.15	84.1	36.5	7.7	76.0	9.1	4.80	1152	1.62	4.05
1366	FM 9063B2RF	4.55	1.15	83.5	33.5	6.9	79.0	8.0	4.65	1086	2.66	3.54
1369	DP 141B2RF	4.25	1.15	83.3	32.0	7.1	78.0	8.1	4.35	1135	2.02	3.72
1323	STV 4554B2RF	4.85	1.05	82.6	32.5	8.0	76.5	9.0	5.00	1000	2.90	3.72
1365	FM 1740B2RF	4.75	1.10	82.0	32.5	7.2	77.5	8.7	4.95	947	2.61	3.78
1321	DPL 117B2RF	4.85	1.05	81.6	33.5	7.4	76.0	8.5	5.05	1024	2.32	3.99
1324	STV 5327B2RF	4.75	1.10	83.2	32.5	7.4	77.0	8.9	4.75	939	2.28	3.98
1325	STV 4427B2RF	4.30	1.05	82.8	32.0	6.8	76.5	8.2	4.35	943	2.69	3.82
1370	DP 161B2RF	5.05	1.15	84.0	33.0	7.1	78.5	8.0	5.00	993	1.88	3.81
1322	DPL 143B2RF	4.30	1.15	82.5	30.5	6.9	79.5	8.3	4.30	955	2.15	3.79
1344	FM 9058F	4.75	1.10	82.3	29.5	6.1	79.0	7.9	4.80	862	3.54	3.82
.	LSD	0.66	0.11	1.4	2.3	0.4	1.5	0.5	0.63	185	0.87	0.30

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1326	PHY 375WRF	0.52	0.41	0.92	401	16.0	1.46	95	45.61	4.40	3.2
1313	PHY 485WRF	0.60	0.48	1.08	.	.	.	.	.	.	.
1357	DP 174RF	0.46	0.35	0.81	.	.	.	.	.	.	.
1364	DP 135B2RF	0.53	0.41	0.94	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.49	0.38	0.87	438	33.8	1.83	81	52.33	4.62	2.8
1371	DP 164B2RF	0.44	0.34	0.78	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.51	0.39	0.90	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.49	0.39	0.88	.	.	.	.	.	.	.
1369	DP 141B2RF	0.61	0.47	1.08	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.50	0.41	0.91	419	20.3	1.56	91	46.56	4.29	3.0
1365	FM 1740B2RF	0.46	0.37	0.83	.	.	.	.	.	.	.
1321	DPL 117B2RF	0.62	0.48	1.10	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.57	0.46	1.02	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.64	0.50	1.14	.	.	.	.	.	.	.
1370	DP 161B2RF	0.44	0.34	0.78	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.60	0.48	1.08	.	.	.	.	.	.	.
1344	FM 9058F	0.44	0.34	0.78	438	19.8	1.55	92	44.22	3.91	2.9
.	LSD	0.07	0.07	0.13	24.7	19.3	0.36	14	10.86	1.00	0.2

LOCATION=GRIFFIN, GA

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1357	DP 174RF	1650	.	.	.	106	1.14	0.57	196	7.0
1344	FM 9058F	1582	.	.	.	119	1.17	0.55	201	6.2
1323	STV 4554B2RF	1574	.	.	.	110	1.15	0.58	202	8.5
1270	DP 555BG/RR	1563	.	.	.	116	1.12	0.55	217	6.4
1325	STV 4427B2RF	1529	.	.	.	112	1.14	0.57	209	7.3
1369	DP 141B2RF	1516	.	.	.	117	1.20	0.57	206	7.8
1370	DP 161B2RF	1510	.	.	.	114	1.20	0.58	203	7.8
1364	DP 135B2RF	1413	.	.	.	96	1.09	0.55	181	7.5
1326	PHY 375WRF	1398	.	.	.	112	1.14	0.57	190	7.3
1313	PHY 485WRF	1379	.	.	.	116	1.11	0.56	194	8.7
1322	DPL 143B2RF	1367	.	.	.	103	1.19	0.53	198	6.7
1371	DP 164B2RF	1365	.	.	.	110	1.18	0.57	213	6.9
1321	DPL 117B2RF	1213	.	.	.	120	1.13	0.54	224	6.8
1324	STV 5327B2RF	1202	.	.	.	103	1.13	0.58	189	8.0
1358	FM 1740B2F	1138	.	.	.	105	1.13	0.55	195	7.5
1366	FM 9063B2RF	1067	.	.	.	118	1.19	0.58	217	6.0
1166	PHYTOGEN 72	1019	.	.	.	132	1.16	0.58	250	6.7
.	LSD	191	.	.	.	11	0.05	0.03	18	1.7

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO	2.5%	UNIFO-	STRE-	SEED YIELD	COLORIMETER		MICRO-	OIL	NITR OGEN	
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		HUNTER'S RD	b	NAIRE (Reading)			
1357	DP 174RF	5.10	1.10	83.5	29.5	6.5	67.5	8.0	5.00	.	2.76	3.40
1344	FM 9058F	4.55	1.20	82.6	32.5	6.2	66.5	7.7	4.40	.	3.39	3.13
1323	STV 4554B2RF	5.10	1.20	83.7	32.5	7.6	68.0	8.2	4.95	.	2.44	3.00
1270	DP 555BG/RR	4.60	1.10	82.0	33.5	6.3	71.0	7.1	4.65	.	3.91	3.18
1325	STV 4427B2RF	4.85	1.10	83.9	33.0	6.6	65.0	7.9	4.95	.	2.93	3.13
1369	DP 141B2RF	4.45	1.20	82.6	31.0	6.5	68.0	7.5	4.35	.	3.16	3.05
1370	DP 161B2RF	4.65	1.20	84.8	32.5	6.6	66.5	7.2	4.60	.	3.33	2.07
1364	DP 135B2RF	4.95	1.10	82.2	29.5	6.3	66.5	7.4	4.90	.	3.11	3.57
1326	PHY 375WRF	4.70	1.15	83.6	30.0	6.5	65.5	7.5	4.55	.	2.60	3.46
1313	PHY 485WRF	5.15	1.10	84.0	32.5	7.1	66.5	8.2	4.95	.	2.62	3.50
1322	DPL 143B2RF	4.30	1.20	83.0	29.5	6.1	68.5	7.9	4.20	.	3.64	3.14
1371	DP 164B2RF	4.70	1.20	84.5	32.5	6.4	67.0	7.3	4.65	.	3.19	2.93
1321	DPL 117B2RF	4.45	1.10	82.7	32.0	6.3	63.0	7.9	4.50	.	3.32	3.31

1324	STV 5327B2RF	4.85	1.10	83.3	30.0	6.6	66.0	8.9	4.70	.	2.64	3.48
1358	FM 1740B2F	4.75	1.15	83.8	31.0	6.5	67.5	6.9	4.65	.	2.97	3.42
1366	FM 9063B2RF	4.60	1.20	84.0	33.5	6.4	65.0	7.8	4.50	.	3.56	3.39
1166	PHYTOGEN 72	4.75	1.20	83.5	38.0	7.1	65.0	8.1	4.70	.	2.74	2.43
.	LSD	0.34	0.05	1.9	3.1	0.4	4.6	1.4	0.33	.	0.63	0.31

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1357	DP 174RF	0.58	0.50	1.07	.	.	.	.	.	.	.	.
1344	FM 9058F	0.60	0.50	1.10	442	22.8	1.61	89	45.80	4.01	2.8	.
1323	STV 4554B2RF	0.72	0.60	1.32	400	23.8	1.64	88	51.27	4.95	3.1	.
1270	DP 555BG/RR	0.59	0.48	1.07	434	24.0	1.64	88	47.31	4.21	2.9	.
1325	STV 4427B2RF	0.84	0.73	1.56	.	.	.	.	.	.	.	.
1369	DP 141B2RF	0.64	0.53	1.17	.	.	.	.	.	.	.	.
1370	DP 161B2RF	0.48	0.40	0.87	.	.	.	.	.	.	.	.
1364	DP 135B2RF	0.57	0.48	1.04	.	.	.	.	.	.	.	.
1326	PHY 375WRF	0.72	0.54	1.26	441	25.0	1.66	87	47.21	4.14	2.8	.
1313	PHY 485WRF	0.78	0.68	1.46	.	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.79	0.65	1.43	.	.	.	.	.	.	.	.
1371	DP 164B2RF	0.55	0.45	0.99	.	.	.	.	.	.	.	.
1321	DPL 117B2RF	0.79	0.69	1.47	.	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.75	0.66	1.41	.	.	.	.	.	.	.	.
1358	FM 1740B2F	0.59	0.51	1.09	.	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.54	0.46	0.99	.	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.58	0.48	1.05	423	24.3	1.64	88	48.82	4.47	3.0	.
.	LSD	0.07	0.07	0.15	13.6	9.9	0.21	9	5.55	0.47	0.1	.

LOCATION=SUFFOLK, VA

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	2064	.	.	.	116	1.13	0.56	195	8.1
1369	DP 141B2RF	1918	.	.	.	120	1.20	0.57	194	9.4

1357	DP 174RF	1909	.	.	.	116	1.15	0.55	183	9.2
1325	STV 4427B2RF	1871	.	.	.	119	1.14	0.56	207	8.4
1326	PHY 375WRF	1860	.	.	.	121	1.14	0.53	182	10.0
1321	DPL 117B2RF	1838	.	.	.	140	1.14	0.56	213	8.5
1313	PHY 485WRF	1837	.	.	.	118	1.13	0.57	198	11.0
1324	STV 5327B2RF	1754	.	.	.	122	1.11	0.56	195	10.2
1358	FM 1740B2F	1742	.	.	.	118	1.14	0.58	199	8.2
1323	STV 4554B2RF	1717	.	.	.	108	1.13	0.54	197	12.0
1322	DPL 143B2RF	1709	.	.	.	118	1.20	0.57	183	7.8
1366	FM 9063B2RF	1642	.	.	.	133	1.19	0.59	204	7.7
1364	DP 135B2RF	1621	.	.	.	108	1.12	0.57	195	9.6
1166	PHYTOGEN 72	1617	.	.	.	135	1.19	0.53	234	8.2
1371	DP 164B2RF	1606	.	.	.	116	1.14	0.56	205	8.4
1344	FM 9058F	1570	.	.	.	125	1.19	0.58	199	8.8
1370	DP 161B2RF	1562	.	.	.	131	1.16	0.56	211	8.7
.	LSD	274	.	.	.	9	0.03	0.03	11	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	4.05	1.10	81.3	29.5	6.3	68.5	5.9	4.25	.	2.71	3.43
1369	DP 141B2RF	3.75	1.20	83.3	30.5	6.8	70.5	6.1	3.80	.	2.98	3.09
1357	DP 174RF	4.25	1.20	83.3	27.0	6.8	69.5	6.7	4.30	.	2.89	3.33
1325	STV 4427B2RF	3.50	1.10	82.1	30.5	6.7	67.5	5.9	3.50	.	3.10	2.98
1326	PHY 375WRF	3.90	1.15	82.3	29.0	6.9	69.5	6.4	3.80	.	2.52	3.44
1321	DPL 117B2RF	4.05	1.15	82.8	34.0	6.8	64.5	6.0	4.05	.	3.23	3.61
1313	PHY 485WRF	4.40	1.20	83.4	30.0	7.5	66.0	6.1	4.35	.	3.16	3.11
1324	STV 5327B2RF	3.85	1.15	83.1	29.5	7.0	69.5	6.4	3.95	.	2.98	3.05
1358	FM 1740B2F	4.40	1.15	83.2	28.5	6.7	71.0	6.0	4.35	.	3.12	3.27
1323	STV 4554B2RF	3.85	1.10	82.0	28.0	7.2	68.5	6.9	3.85	.	2.59	3.17
1322	DPL 143B2RF	3.75	1.20	82.1	29.0	6.4	71.0	5.8	3.80	.	3.42	3.21
1366	FM 9063B2RF	4.15	1.20	82.9	30.5	6.4	71.5	5.6	4.20	.	3.38	3.17
1364	DP 135B2RF	4.40	1.10	83.4	27.5	6.8	70.5	7.1	4.35	.	2.80	3.14
1166	PHYTOGEN 72	4.15	1.20	83.3	35.0	7.3	68.0	6.9	4.35	.	2.89	3.42
1371	DP 164B2RF	3.80	1.15	81.7	28.5	6.4	73.0	6.0	3.85	.	2.87	2.93
1344	FM 9058F	3.65	1.20	82.5	31.0	6.3	68.5	5.8	3.85	.	2.92	3.35
1370	DP 161B2RF	4.30	1.20	83.1	33.0	7.0	72.0	6.1	4.25	.	2.74	3.13
.	LSD	0.35	0.08	1.5	2.9	0.5	3.3	0.9	0.33	.	0.40	0.23

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.66	0.47	1.13	460	28.5	1.73	85	47.31	3.98	2.7
1369	DP 141B2RF	0.78	0.57	1.34	.	.	.	.	.	.	.
1357	DP 174RF	0.76	0.56	1.33	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.92	0.68	1.60	.	.	.	.	.	.	.
1326	PHY 375WRF	0.79	0.59	1.38	493	41.5	1.98	75	50.47	3.97	2.4
1321	DPL 117B2RF	0.79	0.58	1.37	.	.	.	.	.	.	.
1313	PHY 485WRF	0.93	0.70	1.62	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.80	0.59	1.39	.	.	.	.	.	.	.
1358	FM 1740B2F	0.65	0.47	1.12	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.77	0.56	1.33	477	42.5	2.00	75	52.57	4.26	2.5
1322	DPL 143B2RF	0.85	0.63	1.48	.	.	.	.	.	.	.
1366	FM 9063B2RF	0.69	0.51	1.20	.	.	.	.	.	.	.
1364	DP 135B2RF	0.67	0.49	1.16	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.70	0.51	1.21	452	25.5	1.67	87	46.29	3.96	2.8
1371	DP 164B2RF	0.57	0.42	1.00	.	.	.	.	.	.	.
1344	FM 9058F	0.57	0.42	0.99	497	31.0	1.78	82	45.10	3.51	2.5
1370	DP 161B2RF	0.59	0.43	1.02	.	.	.	.	.	.	.
.	LSD	0.09	0.09	0.16	37.6	11.8	0.24	9	6.86	0.72	0.2

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**



2008 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, 2008
 Yield, Boll, Seed, Spinning and Data

2008 CENTRAL REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	1236	3.90	30.8	6.9	110	1.04	0.51	177	5.5
1367	DP 141B2F	1050	4.45	31.0	7.9	123	1.12	0.54	193	6.3

1344	FM 9058F	1046	4.74	33.4	9.7	136	1.14	0.55	195	5.4
1346	FM 835LLB2	1007	5.18	30.6	9.8	140	1.14	0.57	191	5.0
1326	PHY 375WRF	1006	4.26	30.6	8.6	122	1.06	0.54	186	6.4
1313	PHY 485WRF	991	3.89	27.9	8.6	127	1.06	0.54	205	8.5
1324	STV 5327B2RF	976	3.89	37.2	8.6	133	1.08	0.56	205	7.3
1347	AM 1532B2F	928	4.06	27.1	8.9	124	1.10	0.54	182	7.2
1166	PHYTOGEN 72	838	4.23	35.0	9.3	147	1.15	0.58	233	7.8
1323	STV 4554B2RF	829	4.52	30.8	9.0	123	1.06	0.55	201	9.6
.	LSD	219	0.43	12.9	0.4	7	0.04	0.02	14	1.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1270	DP 555BG/RR	4.88	1.05	80.3	29.0	6.1	73.9	7.4	4.96	2861	2.45	3.50
1367	DP 141B2F	4.42	1.12	80.6	29.0	6.4	67.8	7.3	4.47	2495	2.97	3.16
1344	FM 9058F	4.55	1.15	82.2	31.0	6.2	72.0	7.3	4.59	2640	2.48	3.37
1346	FM 835LLB2	4.53	1.15	82.0	31.8	6.2	69.3	7.6	4.60	2447	2.83	3.18
1326	PHY 375WRF	4.58	1.05	81.6	29.3	6.6	70.3	7.4	4.63	2602	2.32	3.58
1313	PHY 485WRF	4.67	1.07	82.1	31.2	7.5	66.2	8.1	4.68	2684	2.78	3.47
1324	STV 5327B2RF	4.62	1.08	82.3	32.2	7.0	66.5	6.0	4.82	2349	2.66	3.37
1347	AM 1532B2F	4.38	1.12	81.8	28.5	6.7	67.8	7.7	4.52	2676	2.39	3.39
1166	PHYTOGEN 72	4.44	1.14	82.0	35.8	7.2	70.3	8.0	4.66	2261	2.40	3.51
1323	STV 4554B2RF	4.99	1.05	81.5	31.6	7.5	68.6	7.9	5.00	2480	2.53	3.16
.	LSD	0.26	0.04	1.0	1.6	0.3	2.1	1.0	0.28	608	0.59	0.19

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.59	0.42	1.01	391	17.0	1.48	94	47.63	4.74	3.3
1367	DP 141B2F	0.71	0.56	1.27	413	18.8	1.52	93	46.28	4.33	3.1
1344	FM 9058F	0.50	0.37	0.87	416	13.9	1.41	97	42.51	3.96	3.2
1346	FM 835LLB2	0.57	0.45	1.01	408	15.6	1.45	95	44.51	4.22	3.2
1326	PHY 375WRF	0.69	0.51	1.20	410	17.5	1.49	94	45.75	4.33	3.1
1313	PHY 485WRF	0.77	0.59	1.36	436	27.0	1.70	86	48.98	4.35	2.8

1324	STV 5327B2RF	0.77	0.60	1.36	408	19.4	1.53	92	47.08	4.47	3.1
1347	AM 1532B2F	0.78	0.61	1.39	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.58	0.43	1.01	421	15.1	1.43	148	42.74	3.92	3.1
1323	STV 4554B2RF	0.74	0.53	1.27	379	13.3	1.39	97	46.06	4.71	3.5
.	LSD	0.08	0.06	0.14	26.7	6.2	0.15	99	2.87	0.34	0.4

=====

INDIVIDUAL COMPONENT DATA

-----		-----		-----	
BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
-----		-----		-----	
DP 555BG/RR	3.90	DP 555BG/RR	30.8	DP 555BG/RR	6.9
DP 141B2F	4.45	DP 141B2F	31.0	DP 141B2F	7.9
FM 9058F	4.74	FM 9058F	33.4	FM 9058F	9.7
FM 835LLB2	5.18	FM 835LLB2	30.6	FM 835LLB2	9.8
PHY 375WRF	4.26	PHY 375WRF	30.6	PHY 375WRF	8.6
PHY 485WRF	3.89	PHY 485WRF	27.9	PHY 485WRF	8.6
STV 5327B2RF	3.89	STV 5327B2RF	37.2	STV 5327B2RF	8.6
AM 1532B2F	4.06	AM 1532B2F	27.1	AM 1532B2F	8.9
PHYTOGEN 72	4.23	PHYTOGEN 72	35.0	PHYTOGEN 72	9.3
STV 4554B2RF	4.52	STV 4554B2RF	30.8	STV 4554B2RF	9.0

2.5% S.L. (INCHES)		UR (PERCENT)		STRENGTH (G/TEX)	
-----		-----		-----	
DP 555BG/RR	1.05	DP 555BG/RR	80.3	DP 555BG/RR	29.0
DP 141B2F	1.12	DP 141B2F	80.6	DP 141B2F	29.0
FM 9058F	1.15	FM 9058F	82.2	FM 9058F	31.0
FM 835LLB2	1.15	FM 835LLB2	82.0	FM 835LLB2	31.8
PHY 375WRF	1.05	PHY 375WRF	81.6	PHY 375WRF	29.3
PHY 485WRF	1.07	PHY 485WRF	82.1	PHY 485WRF	31.2
STV 5327B2RF	1.08	STV 5327B2RF	82.3	STV 5327B2RF	32.2

AM 1532B2F	1.12
PHYTOGEN 72	1.14
STV 4554B2RF	1.05

AM 1532B2F	81.8
PHYTOGEN 72	82.0
STV 4554B2RF	81.5

AM 1532B2F	28.5
PHYTOGEN 72	35.8
STV 4554B2RF	31.6

E

MICRONAIRE (SL-HVI)

COLORIMETER - Rd

DP 555BG/RR	6.1
DP 141B2F	6.4
FM 9058F	6.2
FM 835LLB2	6.2
PHY 375WRF	6.6
PHY 485WRF	7.5
STV 5327B2RF	7.0
AM 1532B2F	6.7
PHYTOGEN 72	7.2
STV 4554B2RF	7.5

DP 555BG/RR	4.96
DP 141B2F	4.47
FM 9058F	4.59
FM 835LLB2	4.60
PHY 375WRF	4.63
PHY 485WRF	4.68
STV 5327B2RF	4.82
AM 1532B2F	4.52
PHYTOGEN 72	4.66
STV 4554B2RF	5.00

DP 555BG/RR	73.9
DP 141B2F	67.8
FM 9058F	72.0
FM 835LLB2	69.3
PHY 375WRF	70.3
PHY 485WRF	66.2
STV 5327B2RF	66.5
AM 1532B2F	67.8
PHYTOGEN 72	70.3
STV 4554B2RF	68.6

COLORIMETER - b

MICRONAIRE

STELOMETER - E1

DP 555BG/RR	7.4
DP 141B2F	7.3
FM 9058F	7.3
FM 835LLB2	7.6
PHY 375WRF	7.4
PHY 485WRF	8.1
STV 5327B2RF	6.0
AM 1532B2F	7.7
PHYTOGEN 72	8.0
STV 4554B2RF	7.9

DP 555BG/RR	4.88
DP 141B2F	4.42
FM 9058F	4.55
FM 835LLB2	4.53
PHY 375WRF	4.58
PHY 485WRF	4.67
STV 5327B2RF	4.62
AM 1532B2F	4.38
PHYTOGEN 72	4.44
STV 4554B2RF	4.99

DP 555BG/RR	5.5
DP 141B2F	6.3
FM 9058F	5.4
FM 835LLB2	5.0
PHY 375WRF	6.4
PHY 485WRF	8.5
STV 5327B2RF	7.3
AM 1532B2F	7.2
PHYTOGEN 72	7.8
STV 4554B2RF	9.6

 STELOMETER - T1

DP 555BG/RR	177
DP 141B2F	193
FM 9058F	195
FM 835LLB2	191
PHY 375WRF	186
PHY 485WRF	205
STV 5327B2RF	205
AM 1532B2F	182
PHYTOGEN 72	233
STV 4554B2RF	201

 FIBROGRAPH - 50% S.L.

DP 555BG/RR	0.51
DP 141B2F	0.54
FM 9058F	0.55
FM 835LLB2	0.57
PHY 375WRF	0.54
PHY 485WRF	0.54
STV 5327B2RF	0.56
AM 1532B2F	0.54
PHYTOGEN 72	0.58
STV 4554B2RF	0.55

 FIBROGRAPH - 2.5% S.L.

DP 555BG/RR	1.04
DP 141B2F	1.12
FM 9058F	1.14
FM 835LLB2	1.14
PHY 375WRF	1.06
PHY 485WRF	1.06
STV 5327B2RF	1.08
AM 1532B2F	1.10
PHYTOGEN 72	1.15
STV 4554B2RF	1.06

 YARN TENACITY

DP 555BG/RR	110
DP 141B2F	123
FM 9058F	136
FM 835LLB2	140
PHY 375WRF	122
PHY 485WRF	127
STV 5327B2RF	133
AM 1532B2F	124
PHYTOGEN 72	147
STV 4554B2RF	123

 AREALOMETER - A (MM2/MM3)

DP 555BG/RR	391
DP 141B2F	413
FM 9058F	416
FM 835LLB2	408
PHY 375WRF	410
PHY 485WRF	436
STV 5327B2RF	408
AM 1532B2F	.
PHYTOGEN 72	421
STV 4554B2RF	379

 AREALOMETER - D (MM2/MM3)

DP 555BG/RR	17.0
DP 141B2F	18.8
FM 9058F	13.9
FM 835LLB2	15.6
PHY 375WRF	17.5
PHY 485WRF	27.0
STV 5327B2RF	19.4
AM 1532B2F	.
PHYTOGEN 72	15.1
STV 4554B2RF	13.3

 AREALOMETER - I

 AREALOMETER - M (PERCENT)

 AREALOMETER - P (MIC)???

DP 555BG/RR	1.48
DP 141B2F	1.52
FM 9058F	1.41
FM 835LLB2	1.45
PHY 375WRF	1.49
PHY 485WRF	1.70
STV 5327B2RF	1.53
AM 1532B2F	.
PHYTOGEN 72	1.43
STV 4554B2RF	1.39

DP 555BG/RR	94
DP 141B2F	93
FM 9058F	97
FM 835LLB2	95
PHY 375WRF	94
PHY 485WRF	86
STV 5327B2RF	92
AM 1532B2F	.
PHYTOGEN 72	148
STV 4554B2RF	97

DP 555BG/RR	47.63
DP 141B2F	46.28
FM 9058F	42.51
FM 835LLB2	44.51
PHY 375WRF	45.75
PHY 485WRF	48.98
STV 5327B2RF	47.08
AM 1532B2F	.
PHYTOGEN 72	42.74
STV 4554B2RF	46.06

AREALOMETER - W (MG/INCH)

DP 555BG/RR	4.74
DP 141B2F	4.33
FM 9058F	3.96
FM 835LLB2	4.22
PHY 375WRF	4.33
PHY 485WRF	4.35
STV 5327B2RF	4.47
AM 1532B2F	.
PHYTOGEN 72	3.92
STV 4554B2RF	4.71

AREALOMETER - t (MICRONS)

DP 555BG/RR	3.3
DP 141B2F	3.1
FM 9058F	3.2
FM 835LLB2	3.2
PHY 375WRF	3.1
PHY 485WRF	2.8
STV 5327B2RF	3.1
AM 1532B2F	.
PHYTOGEN 72	3.1
STV 4554B2RF	3.5

SEED YIELD (LB/ACRE)

DP 555BG/RR	2861
DP 141B2F	2495
FM 9058F	2640
FM 835LLB2	2447
PHY 375WRF	2602
PHY 485WRF	2684
STV 5327B2RF	2349
AM 1532B2F	2676
PHYTOGEN 72	2261
STV 4554B2RF	2480

OIL (PERCENT)

DP 555BG/RR	2.45
DP 141B2F	2.97

NITROGEN (PERCENT)

DP 555BG/RR	3.50
DP 141B2F	3.16

PLUS GOSSYPOL

DP 555BG/RR	0.59
DP 141B2F	0.71

FM 9058F	2.48	FM 9058F	3.37	FM 9058F	0.50
FM 835LLB2	2.83	FM 835LLB2	3.18	FM 835LLB2	0.57
PHY 375WRF	2.32	PHY 375WRF	3.58	PHY 375WRF	0.69
PHY 485WRF	2.78	PHY 485WRF	3.47	PHY 485WRF	0.77
STV 5327B2RF	2.66	STV 5327B2RF	3.37	STV 5327B2RF	0.77
AM 1532B2F	2.39	AM 1532B2F	3.39	AM 1532B2F	0.78
PHYTOGEN 72	2.40	PHYTOGEN 72	3.51	PHYTOGEN 72	0.58
STV 4554B2RF	2.53	STV 4554B2RF	3.16	STV 4554B2RF	0.74

 MINUS GOSSYPOL

 TOTAL GOSSYPOL (PERCENT)

DP 555BG/RR	0.42	DP 555BG/RR	1.01
DP 141B2F	0.56	DP 141B2F	1.27
FM 9058F	0.37	FM 9058F	0.87
FM 835LLB2	0.45	FM 835LLB2	1.01
PHY 375WRF	0.51	PHY 375WRF	1.20
PHY 485WRF	0.59	PHY 485WRF	1.36
STV 5327B2RF	0.60	STV 5327B2RF	1.36
AM 1532B2F	0.61	AM 1532B2F	1.39
PHYTOGEN 72	0.43	PHYTOGEN 72	1.01
STV 4554B2RF	0.53	STV 4554B2RF	1.27

=====
 LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)			(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
COLLEGE STATION, TX	1221	4.55	30.9	8.9	132	1.13	0.56	193	6.9
BOSSIER CITY, LA	1164	4.77	42.3	9.3	122	1.08	0.55	215	7.1
WESLACO, TX	1056	4.26	26.5	8.2	131	1.13	0.56	193	6.8

BEEVILLE, TX 522 3.67 26.0 8.5 125 1.04 0.53 196 7.0

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- RMITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
COLLEGE STATION, TX	4.57	1.13	81.7	30.1	6.5	69.5	7.3	4.72	2727	2.54	3.29
BOSSIER CITY, LA	5.10	1.05	82.5	34.4	7.0	75.3	6.9	5.13	1578	2.17	3.68
WESLACO, TX	4.49	1.14	81.9	30.0	6.7	70.3	7.5	4.58	2981	2.66	3.01
BEEVILLE, TX	4.56	1.05	80.8	31.2	6.8	66.0	7.9	4.59	2913	2.67	3.69

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
COLLEGE STATION, TX	0.70	0.55	1.25	409	16.2	1.46	95	44.83	4.23	3.1
BOSSIER CITY, LA	0.57	0.32	0.88	387	13.9	1.40	97	45.65	4.58	3.4
WESLACO, TX	0.79	0.62	1.41	418	16.4	1.46	94	43.91	4.06	3.1
BEEVILLE, TX	0.54	0.42	0.96	421	19.7	1.54	134	45.92	4.23	3.0

INDIVIDUAL LOCATIONS

LOCATION=COLLEGE STATION, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1346	FM 835LLB2	1408	5.30	36.8	10.2	143	1.20	0.60	196	4.3
1270	DP 555BG/RR	1390	3.85	32.3	6.7	114	1.07	0.51	172	4.5
1367	DP 141B2F	1344	4.50	35.2	8.3	125	1.15	0.55	190	5.5

1344	FM 9058F	1265	5.25	31.7	10.1	145	1.18	0.56	189	7.0
1326	PHY 375WRF	1221	4.55	29.8	8.7	128	1.11	0.56	176	6.0
1313	PHY 485WRF	1196	4.30	30.1	8.8	129	1.10	0.57	193	8.5
1323	STV 4554B2RF	1144	4.55	29.4	9.2	126	1.09	0.55	200	9.8
1324	STV 5327B2RF	1139	4.40	28.5	9.1	132	1.12	0.57	206	8.3
1347	AM 1532B2F	1128	4.05	29.2	9.0	125	1.11	0.55	181	6.8
1166	PHYTOGEN 72	972	4.75	26.0	9.3	154	1.15	0.58	227	8.0
.	LSD	186	0.61	4.6	0.8	11	0.04	0.03	28	1.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
--------------	--------------	-----------------------	-----------------	-----------------	--------------------	---	-------------------------	---	------------------------	--------------------	---------	---------------

1346	FM 835LLB2	4.70	1.20	82.6	32.0	6.1	71.0	7.1	4.70	2413	2.62	3.03
1270	DP 555BG/RR	4.55	1.10	80.3	28.0	5.7	72.5	7.4	4.85	2909	2.26	3.44
1367	DP 141B2F	4.50	1.10	79.7	27.5	6.2	68.0	7.5	4.70	2474	2.66	3.30
1344	FM 9058F	4.45	1.20	82.4	30.5	5.8	70.5	7.2	4.50	2721	2.06	3.23
1326	PHY 375WRF	4.50	1.10	82.1	29.0	6.7	71.0	7.9	4.65	2876	2.53	3.57
1313	PHY 485WRF	4.70	1.10	82.9	31.0	7.2	67.0	7.8	4.70	2782	2.99	3.34
1323	STV 4554B2RF	4.85	1.10	80.8	30.0	7.4	66.0	7.2	4.95	2753	2.25	3.01
1324	STV 5327B2RF	4.55	1.15	82.7	32.0	6.8	68.0	4.1	4.70	2855	2.52	3.42
1347	AM 1532B2F	4.30	1.10	82.0	27.5	6.5	70.0	8.0	4.60	2722	2.96	3.34
1166	PHYTOGEN 72	4.55	1.15	82.0	33.5	6.9	70.5	8.6	4.85	2768	2.61	3.24
.	LSD	0.53	0.07	1.1	2.4	0.6	4.7	3.5	0.77	193	0.66	0.27

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
--------------	--------------	----------	-----------	-----------	---------------------	---	---	-------	-------------	-----------	-------------

1346	FM 835LLB2	0.63	0.49	1.11	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.63	0.47	1.10	415	19.3	1.54	92	46.48	4.34	3.0
1367	DP 141B2F	0.77	0.61	1.38	.	.	.	.	.	.	.
1344	FM 9058F	0.59	0.46	1.05	417	15.5	1.45	95	43.56	4.04	3.1
1326	PHY 375WRF	0.78	0.61	1.39	413	19.0	1.53	92	46.50	4.35	3.1
1313	PHY 485WRF	0.75	0.58	1.34	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.77	0.60	1.37	393	15.3	1.44	96	46.00	4.52	3.3
1324	STV 5327B2RF	0.73	0.58	1.31	.	.	.	.	.	.	.
1347	AM 1532B2F	0.79	0.61	1.40	.	.	.	.	.	.	.

1166	PHYTOGEN 72	0.61	0.49	1.09	410	12.0	1.36	99	41.64	3.93	3.3
.	LSD	0.11	0.11	0.19	13.3	2.8	0.07	3	1.55	0.21	0.2

LOCATION=WESLACO, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	1408	3.90	32.9	6.3	120	1.09	0.52	169	5.5
1344	FM 9058F	1245	4.70	25.3	9.3	136	1.16	0.56	168	4.5
1346	FM 835LLB2	1238	5.35	31.5	9.3	143	1.18	0.57	188	5.5
1367	DP 141B2F	1183	4.55	30.8	7.0	130	1.18	0.55	195	5.5
1324	STV 5327B2RF	1042	3.90	25.4	8.3	136	1.09	0.57	215	6.5
1313	PHY 485WRF	1038	3.45	26.0	8.2	124	1.08	0.54	210	8.5
1166	PHYTOGEN 72	963	4.20	25.2	8.6	144	1.17	0.59	224	7.8
1347	AM 1532B2F	908	4.00	24.1	8.6	127	1.14	0.55	182	6.7
1326	PHY 375WRF	908	4.40	22.8	8.4	128	1.11	0.56	190	6.8
1323	STV 4554B2RF	628	4.20	21.5	8.7	126	1.12	0.59	188	11.0
.	LSD	306	1.31	5.3	0.5	10	0.04	0.05	15	2.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	4.65	1.10	80.2	28.0	6.2	76.5	7.6	4.65	2872	2.00	3.00
1344	FM 9058F	4.40	1.20	82.1	30.0	6.1	72.5	7.5	4.55	3712	2.76	3.05
1346	FM 835LLB2	4.55	1.15	82.3	32.0	6.6	70.0	7.5	4.70	2696	3.05	2.84
1367	DP 141B2F	4.10	1.15	80.8	28.0	6.3	69.5	7.0	4.15	2658	2.98	2.87
1324	STV 5327B2RF	4.60	1.10	82.1	32.0	7.0	68.0	5.9	4.80	3052	2.53	2.95
1313	PHY 485WRF	4.70	1.10	82.3	30.0	7.8	68.0	8.6	4.80	2960	2.69	3.43
1166	PHYTOGEN 72	4.40	1.20	82.5	33.5	7.1	69.5	7.4	4.75	2860	2.70	3.03
1347	AM 1532B2F	4.35	1.15	82.7	29.5	6.8	67.0	7.4	4.30	2864	2.25	3.03
1326	PHY 375WRF	4.35	1.10	82.3	27.5	6.5	71.5	7.7	4.35	3073	2.30	3.09
1323	STV 4554B2RF	4.75	1.10	81.8	29.0	7.3	70.0	8.5	4.80	3060	3.40	2.80
.	LSD	0.27	0.09	1.5	2.8	0.4	3.2	2.8	0.26	468	0.68	0.38

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.67	0.51	1.18	.	.	.	.	.	.	.
1344	FM 9058F	0.57	0.45	1.02	427	13.0	1.39	98	40.72	3.69	3.1
1346	FM 835LLB2	0.64	0.51	1.14	406	14.8	1.43	96	44.17	4.21	3.2
1367	DP 141B2F	0.75	0.58	1.33	.	.	.	.	.	.	.
1324	STV 5327B2RF	0.92	0.71	1.62	415	23.0	1.62	89	48.83	4.55	3.0
1313	PHY 485WRF	1.00	0.78	1.77	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.72	0.57	1.29	417	12.5	1.37	98	41.32	3.84	3.2
1347	AM 1532B2F	0.92	0.72	1.64	.	.	.	.	.	.	.
1326	PHY 375WRF	0.87	0.68	1.55	429	18.8	1.52	93	44.50	4.01	3.0
1323	STV 4554B2RF	0.87	0.68	1.55	.	.	.	.	.	.	.
.	LSD	0.13	0.13	0.21	17.8	7.9	0.17	7	3.65	0.24	0.2

LOCATION=BOSSIER CITY, LA

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	1613	4.45	45.6	7.6	100	1.03	0.52	186	6.9
1326	PHY 375WRF	1425	4.70	45.3	9.1	111	1.02	0.53	191	6.4
1313	PHY 485WRF	1238	4.43	42.8	9.2	.	.	.	.	.
1324	STV 5327B2RF	1197	4.60	42.1	8.9	.	.	.	.	.
1347	AM 1532B2F	1147	4.48	42.1	9.3	.	.	.	.	.
1323	STV 4554B2RF	1060	4.98	42.5	9.6	116	1.03	0.55	211	8.3
1344	FM 9058F	1051	4.85	41.3	10.5	134	1.17	0.59	229	5.5
1166	PHYTOGEN 72	1041	4.98	38.3	10.0	150	1.14	0.60	261	8.3
1367	DP 141B2F	1007	4.90	41.9	8.7	.	.	.	.	.
1346	FM 835LLB2	860	5.33	41.1	10.2	.	.	.	.	.
.	LSD	293	0.35	1.3	0.5	6	0.03	0.04	18	2.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY	VARIETY	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR
CODE	NAME	NAIRE	S.L.	MITY	NGTH	E	HUNTER'S	b	NAIRE	YIELD	(%)	GEN
		(reading)	(in.)	(%)	(g/tex)		RD		(Reading)	(lb/ac)		(%)
1270	DP 555BG/RR	5.70	1.00	81.6	33.0	6.6	77.0	6.7	5.65	1938	2.74	3.80
1326	PHY 375WRF	5.00	1.00	81.6	31.5	6.8	72.0	6.5	5.05	1720	2.33	3.85
1313	PHY 485WRF	.	.	.	.	.	.	.	.	1659	.	.
1324	STV 5327B2RF	.	.	.	.	.	.	.	.	1654	.	.
1347	AM 1532B2F	.	.	.	.	.	.	.	.	1581	.	.
1323	STV 4554B2RF	5.45	1.00	82.0	35.0	7.9	74.5	7.3	5.40	1433	1.99	3.37
1344	FM 9058F	4.75	1.15	84.0	33.0	6.2	77.5	6.4	4.75	1490	2.19	3.66
1166	PHYTOGEN 72	4.60	1.10	83.1	39.5	7.6	75.5	7.8	4.80	1673	1.62	3.73
1367	DP 141B2F	.	.	.	.	.	.	.	.	1394	.	.
1346	FM 835LLB2	.	.	.	.	.	.	.	.	1234	.	.
.	LSD	0.51	0.09	1.6	3.3	0.5	3.1	0.5	0.46	414	0.65	0.09

---GOSSYPOL LEVELS---												
-----AREALOMETER DATA-----												
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)	
1270	DP 555BG/RR	0.59	0.33	0.92	367	14.8	1.43	97	48.79	5.14	3.5	
1326	PHY 375WRF	0.57	0.32	0.88	388	14.8	1.43	96	46.27	4.62	3.4	
1313	PHY 485WRF	.	.	.	.	.	.	.	.	.	.
1324	STV 5327B2RF	.	.	.	.	.	.	.	.	.	.
1347	AM 1532B2F	.	.	.	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.72	0.41	1.12	365	11.3	1.34	99	46.12	4.89	3.7	
1344	FM 9058F	0.43	0.24	0.67	404	13.3	1.39	97	43.27	4.15	3.3	
1166	PHYTOGEN 72	0.53	0.30	0.83	415	15.5	1.45	95	43.83	4.09	3.1	
1367	DP 141B2F	.	.	.	.	.	.	.	.	.	.
1346	FM 835LLB2	.	.	.	.	.	.	.	.	.	.
.	LSD	0.08	0.08	0.13	20.7	6.4	0.16	5	6.75	0.87	0.2	

LOCATION=BEEVILLE, TX

VARIETY	VARIETY	LINT	BOLL	LINT	SEED	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
CODE	NAME	YIELD	SIZE	PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(LB/ACRE)	(G/BOLL)			(Mn/tex)	(INCHES)	(inches)	(mN/tex)	(%)

1367	DP 141B2F	665	3.85	16.2	7.7	116	1.04	0.53	195	7.9
1344	FM 9058F	623	4.15	35.2	9.1	131	1.04	0.50	193	4.7
1270	DP 555BG/RR	532	3.40	12.5	7.0	108	0.98	0.49	181	5.3
1347	AM 1532B2F	529	3.70	13.0	9.0	120	1.07	0.53	183	8.3
1324	STV 5327B2RF	528	2.65	53.0	8.2	130	1.03	0.54	193	7.3
1346	FM 835LLB2	520	4.75	13.1	9.8	134	1.06	0.53	191	5.2
1313	PHY 485WRF	494	3.40	12.9	8.2	128	1.01	0.53	212	8.6
1323	STV 4554B2RF	484	4.35	29.8	8.7	125	1.02	0.53	207	9.4
1326	PHY 375WRF	472	3.40	24.3	8.2	122	1.00	0.53	186	6.3
1166	PHYTOGEN 72	376	3.00	50.4	9.3	139	1.13	0.57	219	7.3
.	LSD	182	1.03	36.7	0.6	11	0.05	0.05	16	2.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1367	DP 141B2F	4.65	1.10	81.4	31.5	6.6	66.0	7.5	4.55	3453	3.28	3.33
1344	FM 9058F	4.60	1.05	80.5	30.5	6.6	67.5	8.1	4.55	2638	2.90	3.56
1270	DP 555BG/RR	4.60	1.00	79.3	27.0	5.9	69.5	7.7	4.70	3725	2.79	3.76
1347	AM 1532B2F	4.50	1.10	80.7	28.5	7.0	66.5	7.8	4.65	3538	1.96	3.82
1324	STV 5327B2RF	4.70	1.00	82.0	32.5	7.2	63.5	8.1	4.95	1835	2.94	3.74
1346	FM 835LLB2	4.35	1.10	81.1	31.5	5.9	67.0	8.2	4.40	3446	2.83	3.67
1313	PHY 485WRF	4.60	1.00	81.2	32.5	7.6	63.5	7.8	4.55	3336	2.65	3.66
1323	STV 4554B2RF	4.90	1.00	81.6	32.5	7.6	64.0	8.5	4.85	2676	2.50	3.47
1326	PHY 375WRF	4.45	1.00	80.3	29.0	6.6	66.5	7.6	4.45	2739	2.13	3.83
1166	PHYTOGEN 72	4.20	1.10	80.4	36.5	7.2	65.5	8.2	4.25	1742	2.69	4.03
.	LSD	0.66	0.05	2.5	3.6	0.9	2.9	1.0	0.64	1783	0.72	0.25

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1367	DP 141B2F	0.63	0.49	1.12	413	18.8	1.52	93	46.28	4.33	3.1
1344	FM 9058F	0.42	0.34	0.75	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.49	0.37	0.86	.	.	.	.	.	.	.
1347	AM 1532B2F	0.64	0.49	1.13	.	.	.	.	.	.	.

1324	STV 5327B2RF	0.66	0.51	1.16	401	15.8	1.45	95	45.34	4.39	3.3
1346	FM 835LLB2	0.44	0.35	0.78	410	16.5	1.47	95	44.85	4.24	3.2
1313	PHY 485WRF	0.56	0.42	0.97	436	27.0	1.70	86	48.98	4.35	2.8
1323	STV 4554B2RF	0.59	0.45	1.04	.	.	.	.	.	.	.
1326	PHY 375WRF	0.55	0.43	0.98	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.47	0.37	0.83	445	20.5	1.56	303	44.16	3.84	2.8
.	LSD	0.06	0.06	0.11	63.1	10.2	0.24	373	1.21	0.70	0.7

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics & Production Research Unit](#)

[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**





2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 DELTA REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1	E1
1326	PHY 375WRF	1177	4.53	43.5	8.5	122	1.11	0.57	198	6.4

1262	ST 5599BR	1152	5.49	42.3	9.9	124	1.11	0.57	207	6.6
1319	DPL 454BR	1134	4.77	45.2	8.2	124	1.10	0.56	203	7.2
1270	DP 555BG/RR	1117	4.56	44.6	7.2	119	1.11	0.55	198	5.5
1325	STV 4427B2RF	1101	4.57	40.2	8.6	124	1.12	0.58	199	6.4
1345	AMERICOT 1550B2RF	1060	4.95	42.5	9.1	118	1.12	0.58	188	7.3
1323	STV 4554B2RF	1050	4.62	41.0	9.0	119	1.13	0.59	207	8.1
1313	PHY 485WRF	1043	4.31	40.9	8.8	124	1.13	0.59	213	8.5
1344	FM 9058F	990	5.07	41.7	10.1	129	1.19	0.59	207	5.0
1166	PHYTOGEN 72	801	5.08	39.0	9.4	143	1.20	0.61	235	7.9
.	LSD	201	0.28	2.2	0.4	9	0.02	0.02	16	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1326	PHY 375WRF	4.60	1.11	83.2	30.0	6.8	75.1	7.5	4.63	1401	2.71	3.07
1262	ST 5599BR	5.01	1.14	83.4	32.3	6.6	73.1	8.3	5.05	1486	2.67	3.10
1319	DPL 454BR	4.36	1.10	83.3	30.5	6.4	72.9	6.8	4.38	1309	2.43	3.14
1270	DP 555BG/RR	4.73	1.13	82.4	30.1	6.1	77.1	7.1	4.73	1439	3.50	3.24
1325	STV 4427B2RF	4.75	1.14	83.3	31.1	6.6	73.3	7.5	4.70	1526	3.14	3.16
1345	AMERICOT 1550B2RF	4.88	1.11	83.5	29.3	6.9	74.0	8.0	4.84	1257	2.86	3.29
1323	STV 4554B2RF	5.10	1.14	82.7	30.9	7.4	72.0	8.2	5.03	1325	2.85	3.08
1313	PHY 485WRF	4.88	1.14	83.6	32.0	7.5	72.8	8.1	4.86	1426	2.99	3.35
1344	FM 9058F	4.75	1.19	83.4	31.5	6.1	73.8	7.3	4.75	1176	2.85	3.11
1166	PHYTOGEN 72	4.68	1.21	84.4	36.0	7.1	72.3	8.1	4.69	1187	2.40	3.31
.	LSD	0.34	0.04	0.7	1.7	0.2	2.1	0.5	0.28	277	0.58	0.27

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.80	0.59	1.39	435	21.3	1.56	91	45.13	4.06	3.0
1262	ST 5599BR	0.84	0.63	1.48	.	.	.	.	.	.	.
1319	DPL 454BR	0.64	0.46	1.11	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.60	0.43	1.02	427	22.6	1.59	90	46.38	4.22	3.0

1325	STV 4427B2RF	0.84	0.62	1.47	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.90	0.68	1.58	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.73	0.54	1.27	411	19.9	1.54	92	46.88	4.46	3.2
1313	PHY 485WRF	0.85	0.65	1.50	.	.	.	.	.	.	.
1344	FM 9058F	0.56	0.42	0.98	417	18.7	1.51	93	45.44	4.26	3.1
1166	PHYTOGEN 72	0.64	0.49	1.13	431	18.5	1.50	93	43.59	3.91	3.0
.	LSD	0.09	0.07	0.15	29.0	5.0	0.10	4	2.34	0.42	0.2

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
PHY 375WRF	4.53	PHY 375WRF	43.5	PHY 375WRF	8.5
ST 5599BR	5.49	ST 5599BR	42.3	ST 5599BR	9.9
DPL 454BR	4.77	DPL 454BR	45.2	DPL 454BR	8.2
DP 555BG/RR	4.56	DP 555BG/RR	44.6	DP 555BG/RR	7.2
STV 4427B2RF	4.57	STV 4427B2RF	40.2	STV 4427B2RF	8.6
AMERICOT 1550B2RF	4.95	AMERICOT 1550B2RF	42.5	AMERICOT 1550B2RF	9.1
STV 4554B2RF	4.62	STV 4554B2RF	41.0	STV 4554B2RF	9.0
PHY 485WRF	4.31	PHY 485WRF	40.9	PHY 485WRF	8.8
FM 9058F	5.07	FM 9058F	41.7	FM 9058F	10.1
PHYTOGEN 72	5.08	PHYTOGEN 72	39.0	PHYTOGEN 72	9.4

2.5% S.L. (INCHES)		UR (PERCENT)		STRENGTH (G/TEX)	
PHY 375WRF	1.11	PHY 375WRF	83.2	PHY 375WRF	30.0
ST 5599BR	1.14	ST 5599BR	83.4	ST 5599BR	32.3
DPL 454BR	1.10	DPL 454BR	83.3	DPL 454BR	30.5
DP 555BG/RR	1.13	DP 555BG/RR	82.4	DP 555BG/RR	30.1

STV 4427B2RF	1.14
AMERICOT 1550B2RF	1.11
STV 4554B2RF	1.14
PHY 485WRF	1.14
FM 9058F	1.19
PHYTOGEN 72	1.21

STV 4427B2RF	83.3
AMERICOT 1550B2RF	83.5
STV 4554B2RF	82.7
PHY 485WRF	83.6
FM 9058F	83.4
PHYTOGEN 72	84.4

STV 4427B2RF	31.1
AMERICOT 1550B2RF	29.3
STV 4554B2RF	30.9
PHY 485WRF	32.0
FM 9058F	31.5
PHYTOGEN 72	36.0

E

MICRONAIRE (SL-HVI)

COLORIMETER - Rd

PHY 375WRF	6.8
ST 5599BR	6.6
DPL 454BR	6.4
DP 555BG/RR	6.1
STV 4427B2RF	6.6
AMERICOT 1550B2RF	6.9
STV 4554B2RF	7.4
PHY 485WRF	7.5
FM 9058F	6.1
PHYTOGEN 72	7.1

PHY 375WRF	4.63
ST 5599BR	5.05
DPL 454BR	4.38
DP 555BG/RR	4.73
STV 4427B2RF	4.70
AMERICOT 1550B2RF	4.84
STV 4554B2RF	5.03
PHY 485WRF	4.86
FM 9058F	4.75
PHYTOGEN 72	4.69

PHY 375WRF	75.1
ST 5599BR	73.1
DPL 454BR	72.9
DP 555BG/RR	77.1
STV 4427B2RF	73.3
AMERICOT 1550B2RF	74.0
STV 4554B2RF	72.0
PHY 485WRF	72.8
FM 9058F	73.8
PHYTOGEN 72	72.3

COLORIMETER - b

MICRONAIRE

STELOMETER - E1

PHY 375WRF	7.5
ST 5599BR	8.3
DPL 454BR	6.8
DP 555BG/RR	7.1
STV 4427B2RF	7.5
AMERICOT 1550B2RF	8.0
STV 4554B2RF	8.2
PHY 485WRF	8.1
FM 9058F	7.3

PHY 375WRF	4.60
ST 5599BR	5.01
DPL 454BR	4.36
DP 555BG/RR	4.73
STV 4427B2RF	4.75
AMERICOT 1550B2RF	4.88
STV 4554B2RF	5.10
PHY 485WRF	4.88
FM 9058F	4.75

PHY 375WRF	6.4
ST 5599BR	6.6
DPL 454BR	7.2
DP 555BG/RR	5.5
STV 4427B2RF	6.4
AMERICOT 1550B2RF	7.3
STV 4554B2RF	8.1
PHY 485WRF	8.5
FM 9058F	5.0

PHYTOGEN 72 8.1

PHYTOGEN 72 4.68

PHYTOGEN 72 7.9

STELOMETER - T1

FIBROGRAPH - 50% S.L.

FIBROGRAPH - 2.5% S.L.

PHY 375WRF 198
ST 5599BR 207
DPL 454BR 203
DP 555BG/RR 198
STV 4427B2RF 199
AMERICOT 1550B2RF 188
STV 4554B2RF 207
PHY 485WRF 213
FM 9058F 207
PHYTOGEN 72 235

PHY 375WRF 0.57
ST 5599BR 0.57
DPL 454BR 0.56
DP 555BG/RR 0.55
STV 4427B2RF 0.58
AMERICOT 1550B2RF 0.58
STV 4554B2RF 0.59
PHY 485WRF 0.59
FM 9058F 0.59
PHYTOGEN 72 0.61

PHY 375WRF 1.11
ST 5599BR 1.11
DPL 454BR 1.10
DP 555BG/RR 1.11
STV 4427B2RF 1.12
AMERICOT 1550B2RF 1.12
STV 4554B2RF 1.13
PHY 485WRF 1.13
FM 9058F 1.19
PHYTOGEN 72 1.20

YARN TENACITY

AREALOMETER - A (MM2/MM3)

AREALOMETER - D (MM2/MM3)

PHY 375WRF 122
ST 5599BR 124
DPL 454BR 124
DP 555BG/RR 119
STV 4427B2RF 124
AMERICOT 1550B2RF 118
STV 4554B2RF 119
PHY 485WRF 124
FM 9058F 129
PHYTOGEN 72 143

PHY 375WRF 435
ST 5599BR .
DPL 454BR .
DP 555BG/RR 427
STV 4427B2RF .
AMERICOT 1550B2RF .
STV 4554B2RF 411
PHY 485WRF .
FM 9058F 417
PHYTOGEN 72 431

PHY 375WRF 21.3
ST 5599BR .
DPL 454BR .
DP 555BG/RR 22.6
STV 4427B2RF .
AMERICOT 1550B2RF .
STV 4554B2RF 19.9
PHY 485WRF .
FM 9058F 18.7
PHYTOGEN 72 18.5

 AREALOMETER - I

PHY 375WRF	1.56
ST 5599BR	.
DPL 454BR	.
DP 555BG/RR	1.59
STV 4427B2RF	.
AMERICOT 1550B2RF	.
STV 4554B2RF	1.54
PHY 485WRF	.
FM 9058F	1.51
PHYTOGEN 72	1.50

 AREALOMETER - M (PERCENT)

PHY 375WRF	91
ST 5599BR	.
DPL 454BR	.
DP 555BG/RR	90
STV 4427B2RF	.
AMERICOT 1550B2RF	.
STV 4554B2RF	92
PHY 485WRF	.
FM 9058F	93
PHYTOGEN 72	93

 AREALOMETER - P (MIC)???

PHY 375WRF	45.13
ST 5599BR	.
DPL 454BR	.
DP 555BG/RR	46.38
STV 4427B2RF	.
AMERICOT 1550B2RF	.
STV 4554B2RF	46.88
PHY 485WRF	.
FM 9058F	45.44
PHYTOGEN 72	43.59

 AREALOMETER - W (MG/INCH)

PHY 375WRF	4.06
ST 5599BR	.
DPL 454BR	.
DP 555BG/RR	4.22
STV 4427B2RF	.
AMERICOT 1550B2RF	.
STV 4554B2RF	4.46
PHY 485WRF	.
FM 9058F	4.26
PHYTOGEN 72	3.91

 AREALOMETER - t (MICRONS)

PHY 375WRF	3.0
ST 5599BR	.
DPL 454BR	.
DP 555BG/RR	3.0
STV 4427B2RF	.
AMERICOT 1550B2RF	.
STV 4554B2RF	3.2
PHY 485WRF	.
FM 9058F	3.1
PHYTOGEN 72	3.0

 SEED YIELD (LB/ACRE)

PHY 375WRF	1401
ST 5599BR	1486
DPL 454BR	1309
DP 555BG/RR	1439
STV 4427B2RF	1526
AMERICOT 1550B2RF	1257
STV 4554B2RF	1325
PHY 485WRF	1426
FM 9058F	1176
PHYTOGEN 72	1187

 OIL (PERCENT)

 NITROGEN (PERCENT)

 PLUS GOSSYPOL

PHY 375WRF	2.71	PHY 375WRF	3.07	PHY 375WRF	0.80
ST 5599BR	2.67	ST 5599BR	3.10	ST 5599BR	0.84
DPL 454BR	2.43	DPL 454BR	3.14	DPL 454BR	0.64
DP 555BG/RR	3.50	DP 555BG/RR	3.24	DP 555BG/RR	0.60
STV 4427B2RF	3.14	STV 4427B2RF	3.16	STV 4427B2RF	0.84
AMERICOT 1550B2RF	2.86	AMERICOT 1550B2RF	3.29	AMERICOT 1550B2RF	0.90
STV 4554B2RF	2.85	STV 4554B2RF	3.08	STV 4554B2RF	0.73
PHY 485WRF	2.99	PHY 485WRF	3.35	PHY 485WRF	0.85
FM 9058F	2.85	FM 9058F	3.11	FM 9058F	0.56
PHYTOGEN 72	2.40	PHYTOGEN 72	3.31	PHYTOGEN 72	0.64

 MINUS GOSSYPOL

 TOTAL GOSYPOL (PERCENT)

PHY 375WRF	0.59	PHY 375WRF	1.39
ST 5599BR	0.63	ST 5599BR	1.48
DPL 454BR	0.46	DPL 454BR	1.11
DP 555BG/RR	0.43	DP 555BG/RR	1.02
STV 4427B2RF	0.62	STV 4427B2RF	1.47
AMERICOT 1550B2RF	0.68	AMERICOT 1550B2RF	1.58
STV 4554B2RF	0.54	STV 4554B2RF	1.27
PHY 485WRF	0.65	PHY 485WRF	1.50
FM 9058F	0.42	FM 9058F	0.98
PHYTOGEN 72	0.49	PHYTOGEN 72	1.13

=====
 LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	YARN		DIGITAL FIBROGRAPH		STELOMETER		
	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)

PORTAGEVILLE, MO	1263	.	.	.	126	1.15	0.58	212	6.6
STONEVILLE, MS	1131	5.02	41.0	9.7	126	1.12	0.58	210	7.1
KEISER, AR	1066	4.42	42.7	8.5	132	1.16	0.59	213	8.0
SAINT JOSEPH, LA	789	4.94	42.5	8.5	114	1.09	0.55	187	6.0

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- RMITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
PORTAGEVILLE, MO	4.67	1.21	82.7	30.6	6.6	69.0	8.1	4.58	.	3.01	3.30
STONEVILLE, MS	5.33	1.12	84.5	34.5	7.2	75.1	8.0	5.41	1615	2.75	2.88
KEISER, AR	4.07	1.16	84.2	30.3	6.7	76.4	7.3	4.01	1388	3.31	2.89
SAINT JOSEPH, LA	5.02	1.08	81.8	30.2	6.5	74.1	7.3	5.06	1057	2.29	3.67

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
PORTAGEVILLE, MO	0.61	0.51	1.12	433	23.8	1.63	88	47.46	4.26	2.9
STONEVILLE, MS	0.88	0.64	1.52	379	10.7	1.32	100	43.89	4.49	3.6
KEISER, AR	0.82	0.69	1.51	484	33.3	1.82	81	47.23	3.78	2.5
SAINT JOSEPH, LA	0.65	0.37	1.02	402	13.1	1.39	97	43.36	4.19	3.3

INDIVIDUAL LOCATIONS

LOCATION=SAINT JOSEPH, LA

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
-----------------	-----------------	----------------------------	--------------------------	-----------------	---------------	------------------------------	----------------------------------	------------------------------------	------------------------------	-----------

1326	PHY 375WRF	1069	4.73	44.4	8.2	116	1.07	0.55	179	5.4
1270	DP 555BG/RR	1062	4.70	45.4	6.6	107	1.05	0.52	171	4.4
1325	STV 4427B2RF	956	4.77	40.9	8.2	114	1.07	0.56	181	4.8
1262	ST 5599BR	811	5.43	43.1	9.7	111	1.07	0.54	184	4.9
1319	DPL 454BR	780	5.07	44.3	7.8	107	1.04	0.52	180	5.8
1313	PHY 485WRF	725	4.28	41.7	8.4	117	1.10	0.55	193	8.3
1323	STV 4554B2RF	689	4.85	42.1	8.6	113	1.09	0.56	201	7.4
1345	AMERICOT 1550B2RF	640	5.03	43.6	8.6	101	1.06	0.54	167	6.3
1166	PHYTOGEN 72	588	5.50	37.7	9.2	149	1.18	0.59	236	7.9
1344	FM 9058F	572	5.10	42.1	9.5	104	1.14	0.56	178	4.5
.	LSD	310	0.35	1.8	0.5	10	0.04	0.03	15	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1326	PHY 375WRF	4.75	1.05	81.6	29.0	6.5	76.0	6.7	4.95	1327	1.81	3.61
1270	DP 555BG/RR	4.85	1.05	81.4	28.5	5.7	80.5	6.7	4.95	1278	3.43	3.65
1325	STV 4427B2RF	5.20	1.10	82.2	29.0	6.4	72.5	6.7	5.15	1385	2.84	3.60
1262	ST 5599BR	5.55	1.05	82.4	31.0	6.4	74.0	8.3	5.45	1076	2.14	3.78
1319	DPL 454BR	4.60	1.00	81.3	28.5	6.1	70.5	6.5	4.70	978	1.80	3.76
1313	PHY 485WRF	4.85	1.10	81.9	31.5	7.1	72.5	7.5	5.00	999	2.44	3.82
1323	STV 4554B2RF	5.40	1.10	81.0	30.5	7.4	73.0	7.5	5.35	949	2.21	3.55
1345	AMERICOT 1550B2RF	5.30	1.00	81.4	28.5	6.7	73.0	8.2	5.30	829	2.54	3.62
1166	PHYTOGEN 72	4.65	1.20	83.7	36.0	7.0	75.5	7.8	4.70	977	1.51	3.67
1344	FM 9058F	5.05	1.10	81.1	29.0	5.9	73.5	7.2	5.05	770	2.25	3.62
.	LSD	0.58	0.09	1.8	2.1	0.6	3.1	0.5	0.47	405	0.56	0.26

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.66	0.37	1.03	401	13.5	1.40	97	43.73	4.22	3.3
1270	DP 555BG/RR	0.61	0.33	0.94	405	13.3	1.39	97	43.11	4.12	3.2
1325	STV 4427B2RF	0.81	0.45	1.25	.	.	.	.	.	.	.
1262	ST 5599BR	0.76	0.43	1.18	.	.	.	.	.	.	.

1319	DPL 454BR	0.57	0.33	0.89	.	.	.	.	.	.	.
1313	PHY 485WRF	0.69	0.39	1.07	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.72	0.40	1.12	387	13.3	1.40	98	45.20	4.54	3.4
1345	AMERICOT 1550B2RF	0.79	0.44	1.23	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.50	0.29	0.78	420	11.0	1.33	100	39.80	3.67	3.2
1344	FM 9058F	0.45	0.25	0.71	396	14.3	1.42	96	44.98	4.40	3.3
.	LSD	0.09	0.09	0.13	39.4	2.9	0.07	3	2.86	0.70	0.4

LOCATION=STONEVILLE, MS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	1331	4.83	44.1	7.8	122	1.10	0.54	196	6.0
1262	ST 5599BR	1297	5.80	42.5	10.5	119	1.08	0.56	200	8.1
1319	DPL 454BR	1221	5.00	42.7	8.9	129	1.08	0.56	208	6.4
1345	AMERICOT 1550B2RF	1174	5.03	41.2	9.7	121	1.12	0.59	183	7.9
1326	PHY 375WRF	1165	4.75	42.3	9.5	127	1.13	0.59	198	6.4
1325	STV 4427B2RF	1148	4.90	38.9	9.6	128	1.12	0.59	210	6.1
1313	PHY 485WRF	1148	4.60	40.2	9.7	125	1.14	0.59	216	9.4
1323	STV 4554B2RF	1139	4.93	40.1	9.9	116	1.11	0.59	214	8.7
1344	FM 9058F	1017	5.35	41.2	10.9	138	1.17	0.60	240	4.5
1166	PHYTOGEN 72	667	5.05	37.1	10.3	138	1.21	0.64	239	7.4
.	LSD	114	0.44	1.0	0.5	4	0.05	0.03	14	1.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	5.45	1.10	83.2	33.0	6.7	79.0	7.4	5.55	1689	3.07	3.00
1262	ST 5599BR	5.75	1.10	84.9	35.5	7.2	73.5	8.7	5.90	1754	2.81	2.72
1319	DPL 454BR	5.05	1.10	84.5	33.0	6.9	75.0	7.6	5.10	1637	2.77	2.90
1345	AMERICOT 1550B2RF	5.30	1.10	85.2	31.5	7.4	76.5	8.3	5.30	1676	2.88	2.83
1326	PHY 375WRF	5.10	1.10	84.8	33.5	7.1	77.0	7.6	5.25	1590	2.26	2.95
1325	STV 4427B2RF	5.25	1.10	85.0	33.0	7.1	74.0	8.0	5.30	1801	3.17	2.78
1313	PHY 485WRF	5.50	1.10	84.4	34.5	8.1	74.5	8.5	5.45	1709	3.03	3.08

1323	STV 4554B2RF	5.55	1.10	83.6	33.5	7.8	73.0	8.5	5.55	1706	2.45	2.75
1344	FM 9058F	5.45	1.20	84.7	38.0	6.7	75.5	7.3	5.60	1452	2.53	2.77
1166	PHYTOGEN 72	4.90	1.20	85.2	39.0	7.5	72.5	8.7	5.10	1133	2.53	3.03
.	LSD	0.32	.	1.6	2.5	0.5	2.5	0.5	0.24	161	0.64	0.25

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.64	0.45	1.07	379	10.5	1.32	100	43.59	4.45	3.6
1262	ST 5599BR	1.04	0.75	1.79	.	.	.	.	.	.	.
1319	DPL 454BR	0.74	0.53	1.26	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	1.07	0.78	1.85	.	.	.	.	.	.	.
1326	PHY 375WRF	0.99	0.71	1.70	384	11.8	1.35	99	44.19	4.45	3.5
1325	STV 4427B2RF	1.05	0.77	1.82	.	.	.	.	.	.	.
1313	PHY 485WRF	1.02	0.74	1.76	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.89	0.64	1.53	372	11.3	1.34	99	45.25	4.72	3.7
1344	FM 9058F	0.63	0.47	1.10	358	9.5	1.29	101	45.22	4.88	3.9
1166	PHYTOGEN 72	0.77	0.56	1.33	402	10.5	1.32	100	41.21	3.97	3.4
.	LSD	0.07	0.07	0.13	25.2	6.2	0.17	7	3.72	0.41	0.5

LOCATION=PORTAGEVILLE, MO

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1344	FM 9058F	1439	.	.	.	134	1.20	0.60	207	5.3
1319	DPL 454BR	1400	.	.	.	127	1.12	0.59	216	7.3
1323	STV 4554B2RF	1394	.	.	.	117	1.14	0.59	198	8.3
1345	AMERICOT 1550B2RF	1358	.	.	.	120	1.14	0.58	193	6.0
1326	PHY 375WRF	1355	.	.	.	121	1.15	0.58	204	6.3
1262	ST 5599BR	1333	.	.	.	129	1.15	0.56	229	6.5
1313	PHY 485WRF	1244	.	.	.	122	1.14	0.60	223	8.0
1325	STV 4427B2RF	1185	.	.	.	123	1.14	0.58	199	6.0
1270	DP 555BG/RR	1007	.	.	.	125	1.15	0.57	219	5.8
1166	PHYTOGEN 72	923	.	.	.	144	1.21	0.61	238	6.3
.	LSD	127	.	.	.	6	0.05	0.03	16	1.4

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY	VARIETY	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	NITR	
CODE	NAME	NAIRE	S.L.	MITY	NGTH	HUNTER'S			NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)	E	RD	b	(Reading)	(lb/ac)	(%)	(%)
1344	FM 9058F	4.30	1.25	83.4	29.5	5.9	70.0	7.9	4.20	.	4.10	3.24
1319	DPL 454BR	4.10	1.15	82.6	30.0	6.4	68.5	6.7	4.15	.	2.40	2.86
1323	STV 4554B2RF	5.35	1.20	82.5	30.5	7.1	66.5	8.8	5.15	.	3.30	3.24
1345	AMERICOT 1550B2RF	4.80	1.20	82.8	28.0	6.7	71.0	8.2	4.70	.	2.60	3.68
1326	PHY 375WRF	4.65	1.20	82.7	29.5	6.6	69.5	8.2	4.55	.	3.24	2.86
1262	ST 5599BR	4.45	1.20	82.1	31.0	6.4	69.5	8.5	4.55	.	2.60	2.95
1313	PHY 485WRF	5.00	1.20	83.0	30.0	7.3	68.0	8.7	4.80	.	2.82	3.64
1325	STV 4427B2RF	4.60	1.20	82.4	31.0	6.4	70.0	8.5	4.50	.	2.78	3.54
1270	DP 555BG/RR	4.65	1.20	82.1	30.0	6.3	70.0	7.6	4.50	.	3.54	3.34
1166	PHYTOGEN 72	4.80	1.25	83.8	36.0	7.0	66.5	8.4	4.65	.	2.70	3.66
.	LSD	0.46	0.08	1.4	1.7	0.3	2.6	1.6	0.46	.	0.71	0.40

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
1344	FM 9058F	0.45	0.38	0.83	462	26.3	1.69	86	45.91	3.85	2.7
1319	DPL 454BR	0.53	0.46	0.99	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.61	0.51	1.12	401	21.0	1.58	91	49.33	4.77	3.1
1345	AMERICOT 1550B2RF	0.71	0.60	1.32	.	.	.	.	.	.	.
1326	PHY 375WRF	0.65	0.55	1.20	438	24.3	1.64	88	47.22	4.18	2.9
1262	ST 5599BR	0.69	0.58	1.26	.	.	.	.	.	.	.
1313	PHY 485WRF	0.72	0.61	1.34	.	.	.	.	.	.	.
1325	STV 4427B2RF	0.66	0.56	1.22	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.50	0.40	0.89	434	25.8	1.68	87	48.69	4.37	2.9
1166	PHYTOGEN 72	0.55	0.48	1.02	431	21.8	1.59	90	46.14	4.14	2.9
.	LSD	0.07	0.07	0.13	57.9	9.5	0.20	8	8.39	1.17	0.4

LOCATION=KEISER, AR

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)				2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1262	ST 5599BR	1167	5.25	41.4	9.7	136	1.17	0.61	217	6.9
1319	DPL 454BR	1134	4.25	48.6	7.8	134	1.14	0.56	210	9.5
1326	PHY 375WRF	1119	4.10	43.7	8.0	127	1.11	0.57	211	7.4
1325	STV 4427B2RF	1115	4.05	40.9	8.1	131	1.15	0.60	206	8.7
1345	AMERICOT 1550B2RF	1068	4.80	42.7	9.2	130	1.17	0.60	208	9.0
1270	DP 555BG/RR	1066	4.15	44.4	7.2	124	1.14	0.56	206	5.9
1313	PHY 485WRF	1057	4.05	40.8	8.4	132	1.15	0.61	221	8.2
1166	PHYTOGEN 72	1026	4.70	42.2	8.7	141	1.22	0.62	228	9.9
1323	STV 4554B2RF	977	4.10	41.0	8.6	131	1.17	0.62	216	8.3
1344	FM 9058F	934	4.75	41.8	10.0	142	1.24	0.60	204	5.9
.	LSD	174	0.46	4.6	0.7	11	0.04	0.05	20	1.2

VARIETY CODE	VARIETY NAME	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1262	ST 5599BR	4.30	1.20	84.2	31.5	6.6	75.5	7.6	4.30	1627	3.14	2.95
1319	DPL 454BR	3.70	1.15	84.9	30.5	6.3	77.5	6.5	3.55	1313	2.74	3.03
1326	PHY 375WRF	3.90	1.10	83.9	28.0	6.8	78.0	7.7	3.75	1287	3.55	2.86
1325	STV 4427B2RF	3.95	1.15	83.7	31.5	6.7	76.5	7.0	3.85	1393	3.78	2.70
1345	AMERICOT 1550B2RF	4.10	1.15	84.6	29.0	6.9	75.5	7.5	4.05	1266	3.43	3.05
1270	DP 555BG/RR	3.95	1.15	83.0	29.0	5.9	79.0	6.8	3.90	1351	3.94	2.98
1313	PHY 485WRF	4.15	1.15	85.3	32.0	7.6	76.0	7.7	4.20	1570	3.70	2.86
1166	PHYTOGEN 72	4.35	1.20	84.8	33.0	6.9	74.5	7.7	4.30	1451	2.88	2.87
1323	STV 4554B2RF	4.10	1.15	83.7	29.0	7.4	75.5	8.1	4.05	1321	3.46	2.81
1344	FM 9058F	4.20	1.20	84.5	29.5	5.9	76.0	7.0	4.15	1307	2.54	2.82
.	LSD	0.62	0.11	1.7	2.5	0.5	3.3	0.4	0.59	352	0.38	0.22

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)

1262	ST 5599BR	0.90	0.77	1.68	.	.	.	.	.	.	.
1319	DPL 454BR	0.74	0.55	1.29	.	.	.	.	.	.	.
1326	PHY 375WRF	0.89	0.75	1.64	518	35.8	1.87	80	45.41	3.40	2.3
1325	STV 4427B2RF	0.86	0.72	1.58	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	1.04	0.89	1.92	.	.	.	.	.	.	.
1270	DP 555BG/RR	0.65	0.53	1.18	492	40.8	1.97	76	50.14	3.94	2.4
1313	PHY 485WRF	0.99	0.85	1.84	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.75	0.65	1.40	473	30.8	1.78	83	47.22	3.86	2.6
1323	STV 4554B2RF	0.71	0.60	1.31	486	34.3	1.84	80	47.73	3.81	2.5
1344	FM 9058F	0.69	0.59	1.28	452	24.8	1.65	88	45.67	3.91	2.8
.	LSD	0.10	0.10	0.15	54.5	15.4	0.31	12	3.60	0.29	0.5

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**



2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 WESTERN REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1441	4.93	43.8	8.5	99	1.07	0.54	188	8.7
1270	DP 555BG/RR	1328	4.47	44.4	7.9	101	1.09	0.52	192	7.2

1368	FM 989B2R	1320	5.05	38.2	9.4	122	1.15	0.57	203	7.4
1344	FM 9058F	1200	5.40	42.3	9.7	112	1.15	0.54	184	6.7
1323	STV 4554B2RF	1192	5.05	42.0	8.9	109	1.11	0.53	195	8.5
1166	PHYTOGEN 72	1173	5.01	43.0	9.3	129	1.16	0.57	234	10.1
1128	ACALA 1517-99	1133	4.81	39.5	9.7	133	1.18	0.56	222	8.7
1312	NM 03012	1098	5.30	41.8	9.6	126	1.16	0.56	218	7.7
1353	ACALA 1517-99W	1044	4.66	40.0	9.0	115	1.14	0.54	203	8.0
.	LSD	202	0.35	3.6	.	23	0.03	0.03	29	3.4

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1326	PHY 375WRF	4.93	1.10	82.5	27.3	7.1	78.5	8.7	5.00	1745	2.43	3.06
1270	DP 555BG/RR	4.60	1.10	81.5	27.8	6.2	80.0	7.9	4.73	1661	2.56	3.07
1368	FM 989B2R	4.60	1.15	83.2	30.0	6.6	77.5	8.2	4.85	2148	3.24	2.42
1344	FM 9058F	4.68	1.15	82.3	28.5	6.0	79.3	8.1	4.80	1614	2.64	2.83
1323	STV 4554B2RF	4.75	1.10	82.8	30.0	7.0	77.8	7.9	4.83	1522	2.53	2.85
1166	PHYTOGEN 72	4.65	1.18	84.3	32.5	7.3	77.3	8.9	4.85	1501	2.71	2.88
1128	ACALA 1517-99	4.53	1.20	84.6	30.8	6.8	77.3	8.2	4.63	1696	3.08	3.03
1312	NM 03012	4.58	1.18	84.1	32.5	6.9	79.0	8.6	4.80	1515	2.84	2.82
1353	ACALA 1517-99W	4.90	1.15	83.9	30.5	6.7	76.0	8.6	5.00	1573	2.84	2.91
.	LSD	0.70	0.07	1.6	3.0	1.4	2.3	0.9	0.70	293	0.67	0.26

---GOSSYPOL LEVELS---

---AREALOMETER DATA---

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	MINUS I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.82	0.58	1.40	411	15.4	1.44	96	43.93	4.14	3.2
1270	DP 555BG/RR	0.70	0.49	1.19	434	22.5	1.61	89	46.42	4.14	2.9
1368	FM 989B2R	0.93	0.65	1.58	.	.	.	.	.	.	.
1344	FM 9058F	0.60	0.43	1.03	422	14.3	1.41	96	41.94	3.84	3.1
1323	STV 4554B2RF	0.79	0.56	1.35	416	16.1	1.46	95	44.06	4.10	3.1
1166	PHYTOGEN 72	0.67	0.48	1.15	423	10.4	1.31	100	38.88	3.56	3.3
1128	ACALA 1517-99	0.67	0.47	1.14	.	.	.	.	.	.	.
1312	NM 03012	0.76	0.54	1.29	.	.	.	.	.	.	.

1353	ACALA 1517-99W	0.77	0.54	1.31	.	.	.	.	.	.	.
.	LSD	0.22	0.15	0.37	30.5	4.7	0.13	4	3.90	0.57	0.4

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
PHY 375WRF	4.93	PHY 375WRF	43.8	PHY 375WRF	8.5
DP 555BG/RR	4.47	DP 555BG/RR	44.4	DP 555BG/RR	7.9
FM 989B2R	5.05	FM 989B2R	38.2	FM 989B2R	9.4
FM 9058F	5.40	FM 9058F	42.3	FM 9058F	9.7
STV 4554B2RF	5.05	STV 4554B2RF	42.0	STV 4554B2RF	8.9
PHYTOGEN 72	5.01	PHYTOGEN 72	43.0	PHYTOGEN 72	9.3
ACALA 1517-99	4.81	ACALA 1517-99	39.5	ACALA 1517-99	9.7
NM 03012	5.30	NM 03012	41.8	NM 03012	9.6
ACALA 1517-99W	4.66	ACALA 1517-99W	40.0	ACALA 1517-99W	9.0

2.5% S.L. (INCHES)		UR (PERCENT)		STRENGTH (G/TEX)	
PHY 375WRF	1.10	PHY 375WRF	82.5	PHY 375WRF	27.3
DP 555BG/RR	1.10	DP 555BG/RR	81.5	DP 555BG/RR	27.8
FM 989B2R	1.15	FM 989B2R	83.2	FM 989B2R	30.0
FM 9058F	1.15	FM 9058F	82.3	FM 9058F	28.5
STV 4554B2RF	1.10	STV 4554B2RF	82.8	STV 4554B2RF	30.0
PHYTOGEN 72	1.18	PHYTOGEN 72	84.3	PHYTOGEN 72	32.5
ACALA 1517-99	1.20	ACALA 1517-99	84.6	ACALA 1517-99	30.8
NM 03012	1.18	NM 03012	84.1	NM 03012	32.5
ACALA 1517-99W	1.15	ACALA 1517-99W	83.9	ACALA 1517-99W	30.5

E

PHY 375WRF	7.1
DP 555BG/RR	6.2
FM 989B2R	6.6
FM 9058F	6.0
STV 4554B2RF	7.0
PHYTOGEN 72	7.3
ACALA 1517-99	6.8
NM 03012	6.9
ACALA 1517-99W	6.7

MICRONAIRE (SL-HVI)

PHY 375WRF	5.00
DP 555BG/RR	4.73
FM 989B2R	4.85
FM 9058F	4.80
STV 4554B2RF	4.83
PHYTOGEN 72	4.85
ACALA 1517-99	4.63
NM 03012	4.80
ACALA 1517-99W	5.00

COLORIMETER - Rd

PHY 375WRF	78.5
DP 555BG/RR	80.0
FM 989B2R	77.5
FM 9058F	79.3
STV 4554B2RF	77.8
PHYTOGEN 72	77.3
ACALA 1517-99	77.3
NM 03012	79.0
ACALA 1517-99W	76.0

COLORIMETER - b

PHY 375WRF	8.7
DP 555BG/RR	7.9
FM 989B2R	8.2
FM 9058F	8.1
STV 4554B2RF	7.9
PHYTOGEN 72	8.9
ACALA 1517-99	8.2
NM 03012	8.6
ACALA 1517-99W	8.6

MICRONAIRE

PHY 375WRF	4.93
DP 555BG/RR	4.60
FM 989B2R	4.60
FM 9058F	4.68
STV 4554B2RF	4.75
PHYTOGEN 72	4.65
ACALA 1517-99	4.53
NM 03012	4.58
ACALA 1517-99W	4.90

STELOMETER - E1

PHY 375WRF	8.7
DP 555BG/RR	7.2
FM 989B2R	7.4
FM 9058F	6.7
STV 4554B2RF	8.5
PHYTOGEN 72	10.1
ACALA 1517-99	8.7
NM 03012	7.7
ACALA 1517-99W	8.0

STELOMETER - T1

FIBROGRAPH - 50% S.L.

FIBROGRAPH - 2.5% S.L.

PHY 375WRF	188
DP 555BG/RR	192
FM 989B2R	203
FM 9058F	184
STV 4554B2RF	195
PHYTOGEN 72	234
ACALA 1517-99	222
NM 03012	218
ACALA 1517-99W	203

PHY 375WRF	0.54
DP 555BG/RR	0.52
FM 989B2R	0.57
FM 9058F	0.54
STV 4554B2RF	0.53
PHYTOGEN 72	0.57
ACALA 1517-99	0.56
NM 03012	0.56
ACALA 1517-99W	0.54

PHY 375WRF	1.07
DP 555BG/RR	1.09
FM 989B2R	1.15
FM 9058F	1.15
STV 4554B2RF	1.11
PHYTOGEN 72	1.16
ACALA 1517-99	1.18
NM 03012	1.16
ACALA 1517-99W	1.14

YARN TENACITY

AREALOMETER - A (MM2/MM3)

AREALOMETER - D (MM2/MM3)

PHY 375WRF	99
DP 555BG/RR	101
FM 989B2R	122
FM 9058F	112
STV 4554B2RF	109
PHYTOGEN 72	129
ACALA 1517-99	133
NM 03012	126
ACALA 1517-99W	115

PHY 375WRF	411
DP 555BG/RR	434
FM 989B2R	.
FM 9058F	422
STV 4554B2RF	416
PHYTOGEN 72	423
ACALA 1517-99	.
NM 03012	.
ACALA 1517-99W	.

PHY 375WRF	15.4
DP 555BG/RR	22.5
FM 989B2R	.
FM 9058F	14.3
STV 4554B2RF	16.1
PHYTOGEN 72	10.4
ACALA 1517-99	.
NM 03012	.
ACALA 1517-99W	.

AREALOMETER - I

AREALOMETER - M (PERCENT)

AREALOMETER - P (MIC)???

PHY 375WRF	1.44
DP 555BG/RR	1.61
FM 989B2R	.
FM 9058F	1.41
STV 4554B2RF	1.46
PHYTOGEN 72	1.31

PHY 375WRF	96
DP 555BG/RR	89
FM 989B2R	.
FM 9058F	96
STV 4554B2RF	95
PHYTOGEN 72	100

PHY 375WRF	43.93
DP 555BG/RR	46.42
FM 989B2R	.
FM 9058F	41.94
STV 4554B2RF	44.06
PHYTOGEN 72	38.88

ACALA 1517-99 .
NM 03012 .
ACALA 1517-99W .

ACALA 1517-99 .
NM 03012 .
ACALA 1517-99W .

ACALA 1517-99 .
NM 03012 .
ACALA 1517-99W .

AREALOMETER - W (MG/INCH)

AREALOMETER - t (MICRONS)

SEED YIELD (LB/ACRE)

PHY 375WRF 4.14
DP 555BG/RR 4.14
FM 989B2R .
FM 9058F 3.84
STV 4554B2RF 4.10
PHYTOGEN 72 3.56
ACALA 1517-99 .
NM 03012 .
ACALA 1517-99W .

PHY 375WRF 3.2
DP 555BG/RR 2.9
FM 989B2R .
FM 9058F 3.1
STV 4554B2RF 3.1
PHYTOGEN 72 3.3
ACALA 1517-99 .
NM 03012 .
ACALA 1517-99W .

PHY 375WRF 1745
DP 555BG/RR 1661
FM 989B2R 2148
FM 9058F 1614
STV 4554B2RF 1522
PHYTOGEN 72 1501
ACALA 1517-99 1696
NM 03012 1515
ACALA 1517-99W 1573

OIL (PERCENT)

NITROGEN (PERCENT)

PLUS GOSSYPOL

PHY 375WRF 2.43
DP 555BG/RR 2.56
FM 989B2R 3.24
FM 9058F 2.64
STV 4554B2RF 2.53
PHYTOGEN 72 2.71
ACALA 1517-99 3.08
NM 03012 2.84
ACALA 1517-99W 2.84

PHY 375WRF 3.06
DP 555BG/RR 3.07
FM 989B2R 2.42
FM 9058F 2.83
STV 4554B2RF 2.85
PHYTOGEN 72 2.88
ACALA 1517-99 3.03
NM 03012 2.82
ACALA 1517-99W 2.91

PHY 375WRF 0.82
DP 555BG/RR 0.70
FM 989B2R 0.93
FM 9058F 0.60
STV 4554B2RF 0.79
PHYTOGEN 72 0.67
ACALA 1517-99 0.67
NM 03012 0.76
ACALA 1517-99W 0.77

MINUS GOSSYPOL

TOTAL GOSSYPOL (PERCENT)

PHY 375WRF	0.58	PHY 375WRF	1.40
DP 555BG/RR	0.49	DP 555BG/RR	1.19
FM 989B2R	0.65	FM 989B2R	1.58
FM 9058F	0.43	FM 9058F	1.03
STV 4554B2RF	0.56	STV 4554B2RF	1.35
PHYTOGEN 72	0.48	PHYTOGEN 72	1.15
ACALA 1517-99	0.47	ACALA 1517-99	1.14
NM 03012	0.54	NM 03012	1.29
ACALA 1517-99W	0.54	ACALA 1517-99W	1.31

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
UNIVERSITY PARK, NM	1242	5.33	44.2	.	112	1.12	0.55	214	7.4
PECOS, TX (IRR)	1178	4.63	39.8	9.1	119	1.14	0.54	196	8.8

LOCATION	MICRO	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)				COLORIMETER	MICRO-	SEED	OIL	NITR
		2.5% S.L.	UNIFO-	STRE-	HUNTER'S					
	NAIRE	S.L.	RMITY	NGTH	HUNTER'S	NAIRE	YIELD	(%)	OGEN	
	(reading)	(in.)	(%)	(g/tex)	E RD b	(Reading)	(lb/ac)		(%)	
UNIVERSITY PARK, NM	4.98	1.14	84.1	30.8	6.8 78.9	8.5	5.01	1562	2.89	3.09
PECOS, TX (IRR)	4.44	1.15	82.5	29.3	6.7 77.4	8.2	4.67	1700	2.60	2.73

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
UNIVERSITY PARK, NM	0.65	0.46	1.11	412	14.1	1.41	97	42.81	4.02	3.2
PECOS, TX (IRR)	0.81	0.57	1.38	431	17.4	1.49	94	43.28	3.89	3.0

INDIVIDUAL LOCATIONS

LOCATION=UNIVERSITY PARK, NM

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1466	5.20	46.2	.	94	1.07	0.56	199	7.9
1323	STV 4554B2RF	1305	5.60	44.6	.	113	1.11	0.53	208	5.4
1270	DP 555BG/RR	1299	4.73	47.1	.	98	1.08	0.53	207	6.0
1166	PHYTOGEN 72	1231	5.37	45.5	.	131	1.16	0.59	250	9.7
1128	ACALA 1517-99	1193	5.17	42.4	.	132	1.18	0.57	232	9.0
1344	FM 9058F	1191	5.80	43.9	.	113	1.15	0.55	203	6.2
1353	ACALA 1517-99W	1174	5.17	42.7	.	97	1.11	0.54	197	7.8
1312	NM 03012	1074	5.60	41.4	.	124	1.15	0.57	218	6.9
.	LSD	185	0.67	2.7	.	14	0.03	0.02	24	2.6

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO	2.5%	UNIFO-	STRE-	E	COLORIMETER	MICRO-	SEED	OIL (%)	NITR OGEN (%)	
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		HUNTER'S RD	NAIRE (Reading)	YIELD (lb/ac)			
1326	PHY 375WRF	5.20	1.10	83.4	28.5	7.2	78.5	9.2	5.10	1699	2.67	3.33
1323	STV 4554B2RF	4.90	1.10	83.2	32.0	6.2	79.0	7.8	4.85	1623	2.92	3.03
1270	DP 555BG/RR	4.90	1.10	82.8	29.0	6.3	80.5	8.2	4.85	1462	2.70	3.33
1166	PHYTOGEN 72	4.95	1.20	85.7	34.0	7.6	77.5	9.2	5.10	1476	2.73	3.01

1128	ACALA 1517-99	4.90	1.20	86.1	30.5	7.1	79.0	8.0	4.95	1618	3.20	3.14
1344	FM 9058F	4.75	1.15	82.8	29.5	6.2	80.0	8.2	4.75	1521	2.80	3.01
1353	ACALA 1517-99W	5.60	1.10	84.1	30.0	7.2	76.0	8.9	5.60	1573	2.75	3.03
1312	NM 03012	4.60	1.15	84.8	32.5	6.7	80.5	8.5	4.85	1526	3.38	2.86
.	LSD	0.26	0.08	1.5	1.2	0.3	1.5	0.7	0.24	208	0.81	0.31

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.70	0.50	1.20	396	15.0	1.44	96	45.42	4.43	3.3
1323	STV 4554B2RF	0.77	0.55	1.32	410	14.0	1.41	97	43.13	4.07	3.2
1270	DP 555BG/RR	0.68	0.48	1.15	428	21.8	1.59	90	46.61	4.22	3.0
1166	PHYTOGEN 72	0.64	0.46	1.10	404	7.0	1.22	104	37.98	3.64	3.6
1128	ACALA 1517-99	0.51	0.37	0.88	.	.	.	.	.	.	.
1344	FM 9058F	0.53	0.38	0.92	422	12.8	1.38	98	40.94	3.75	3.1
1353	ACALA 1517-99W	0.77	0.55	1.32	.	.	.	.	.	.	.
1312	NM 03012	0.59	0.43	1.02	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.09	17.2	7.7	0.18	6	4.47	0.38	0.3

LOCATION=PECOS, TX (IRR)

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1416	4.65	41.4	8.5	104	1.08	0.51	176	9.5
1270	DP 555BG/RR	1358	4.20	41.8	7.9	104	1.10	0.50	178	8.4
1368	FM 989B2R	1320	5.05	38.2	9.4	122	1.15	0.57	203	7.4
1344	FM 9058F	1209	5.00	40.7	9.7	111	1.16	0.52	166	7.2
1312	NM 03012	1121	5.00	42.2	9.6	128	1.17	0.55	218	8.6
1166	PHYTOGEN 72	1115	4.65	40.4	9.3	127	1.17	0.56	219	10.5
1323	STV 4554B2RF	1079	4.50	39.4	8.9	106	1.11	0.53	181	11.5
1128	ACALA 1517-99	1073	4.45	36.7	9.7	134	1.18	0.56	212	8.4
1353	ACALA 1517-99W	915	4.15	37.3	9.0	134	1.17	0.54	210	8.2
.	LSD	168	0.58	4.3	0.8	9	0.04	0.04	15	1.5

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY	VARIETY	MICRO	2.5%	UNIFO-	STRE-		COLORIMETER		MICRO-	SEED		NITR
CODE	NAME	NAIRE	S.L.	MITY	NGTH	E	HUNTER'S	b	NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)		RD		(Reading)	(lb/ac)	(%)	(%)
1326	PHY 375WRF	4.65	1.10	81.7	26.0	6.9	78.5	8.1	4.90	1790	2.20	2.78
1270	DP 555BG/RR	4.30	1.10	80.3	26.5	6.2	79.5	7.7	4.60	1859	2.43	2.81
1368	FM 989B2R	4.60	1.15	83.2	30.0	6.6	77.5	8.2	4.85	2148	3.24	2.42
1344	FM 9058F	4.60	1.15	81.9	27.5	5.8	78.5	8.1	4.85	1707	2.49	2.66
1312	NM 03012	4.55	1.20	83.4	32.5	7.1	77.5	8.7	4.75	1505	2.31	2.78
1166	PHYTOGEN 72	4.35	1.15	83.0	31.0	6.9	77.0	8.6	4.60	1527	2.68	2.75
1323	STV 4554B2RF	4.60	1.10	82.4	28.0	7.9	76.5	7.9	4.80	1420	2.14	2.68
1128	ACALA 1517-99	4.15	1.20	83.2	31.0	6.5	75.5	8.5	4.30	1774	2.97	2.91
1353	ACALA 1517-99W	4.20	1.20	83.8	31.0	6.2	76.0	8.4	4.40	1572	2.94	2.79
.	LSD	0.33	0.08	1.3	1.8	0.5	2.6	0.8	0.37	288	0.44	0.28

---GOSSYPOL LEVELS---												
-----AREALOMETER DATA-----												
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)	
1326	PHY 375WRF	0.94	0.67	1.61	427	15.8	1.45	95	42.44	3.85	3.1	
1270	DP 555BG/RR	0.73	0.51	1.23	441	23.3	1.63	89	46.23	4.06	2.8	
1368	FM 989B2R	0.93	0.65	1.58	.	.	.	.	.	.	.
1344	FM 9058F	0.66	0.47	1.13	422	15.8	1.44	95	42.94	3.93	3.1	
1312	NM 03012	0.93	0.64	1.57	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.71	0.50	1.20	442	13.8	1.41	97	39.79	3.48	3.0	
1323	STV 4554B2RF	0.81	0.57	1.38	422	18.3	1.51	93	44.99	4.13	3.0	
1128	ACALA 1517-99	0.82	0.58	1.40	.	.	.	.	.	.	.
1353	ACALA 1517-99W	0.76	0.54	1.30	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.10	16.2	15.9	0.38	14	9.89	0.75	0.4	

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**



2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 PIMA REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1374	DP 357	1379	3.33	39.3	.	202	1.39	0.72	321	7.0
1272	DP 340	1293	3.37	40.2	.	198	1.36	0.70	305	7.3

1273	PHY 800	1287	3.40	36.9	.	208	1.37	0.70	293	8.4
1341	DP 353	1284	3.67	39.7	.	199	1.38	0.69	310	7.3
615	PIMA S-7	1138	3.63	39.1	.	204	1.38	0.71	303	7.5
.	LSD	302	.	.	.	20	0.09	0.06	34	2.7

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1374	DP 357	4.48	1.30	88.7	51.5	7.9	66.0	11.3	4.55	1760	2.95	3.41
1272	DP 340	4.50	1.35	88.5	49.0	7.8	65.8	11.3	4.45	1630	2.72	3.37
1273	PHY 800	4.35	1.35	88.8	50.5	8.0	65.8	11.0	4.43	1551	2.67	3.42
1341	DP 353	4.35	1.33	89.5	50.5	8.0	66.5	11.3	4.48	1431	2.67	3.53
615	PIMA S-7	4.53	1.35	88.3	52.0	7.9	65.5	11.0	4.60	1409	2.75	3.38
.	LSD	0.39	0.14	1.9	13.5	1.2	3.4	0.5	0.33	.	0.74	0.33

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1374	DP 357	0.62	0.69	1.31	.	.	.	.	.	.	.
1272	DP 340	0.64	0.74	1.38	.	.	.	.	.	.	.
1273	PHY 800	0.59	0.67	1.26	.	.	.	.	.	.	.
1341	DP 353	0.63	0.71	1.34	.	.	.	.	.	.	.
615	PIMA S-7	0.59	0.66	1.25	443	18.4	1.52	93	42.91	3.76	2.9
.	LSD	0.11	0.15	0.26	.	.	.	.	.	.	.

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL

DP 357	3.33
DP 340	3.37
PHY 800	3.40
DP 353	3.67
PIMA S-7	3.63
LSD	.

LINT PERCENT

DP 357	39.3
DP 340	40.2
PHY 800	36.9
DP 353	39.7
PIMA S-7	39.1
LSD	.

SEED INDEX

DP 357	.
DP 340	.
PHY 800	.
DP 353	.
PIMA S-7	.
LSD	.

2.5% S.L. (INCHES)

DP 357	1.30
DP 340	1.35
PHY 800	1.35
DP 353	1.33
PIMA S-7	1.35
LSD	0.14

UR (PERCENT)

DP 357	88.7
DP 340	88.5
PHY 800	88.8
DP 353	89.5
PIMA S-7	88.3
LSD	1.9

STRENGTH (G/TEX)

DP 357	51.5
DP 340	49.0
PHY 800	50.5
DP 353	50.5
PIMA S-7	52.0
LSD	13.5

E

DP 357	7.9
DP 340	7.8
PHY 800	8.0
DP 353	8.0
PIMA S-7	7.9
LSD	1.2

MICRONAIRE (SL-HVI)

DP 357	4.55
DP 340	4.45
PHY 800	4.43
DP 353	4.48
PIMA S-7	4.60
LSD	0.33

COLORIMETER - Rd

DP 357	66.0
DP 340	65.8
PHY 800	65.8
DP 353	66.5
PIMA S-7	65.5
LSD	3.4

 COLORIMETER - b

DP 357	11.3
DP 340	11.3
PHY 800	11.0
DP 353	11.3
PIMA S-7	11.0
LSD	0.5

 MICRONAIRE

DP 357	4.48
DP 340	4.50
PHY 800	4.35
DP 353	4.35
PIMA S-7	4.53
LSD	0.39

 STELOMETER - E1

DP 357	7.0
DP 340	7.3
PHY 800	8.4
DP 353	7.3
PIMA S-7	7.5
LSD	2.7

 STELOMETER - T1

DP 357	321
DP 340	305
PHY 800	293
DP 353	310
PIMA S-7	303
LSD	34

 FIBROGRAPH - 50% S.L.

DP 357	0.72
DP 340	0.70
PHY 800	0.70
DP 353	0.69
PIMA S-7	0.71
LSD	0.06

 FIBROGRAPH - 2.5% S.L.

DP 357	1.39
DP 340	1.36
PHY 800	1.37
DP 353	1.38
PIMA S-7	1.38
LSD	0.09

 YARN TENACITY

DP 357	202
DP 340	198
PHY 800	208
DP 353	199
PIMA S-7	204
LSD	20

 AREALOMETER - A (MM2/MM3)

DP 357	.
DP 340	.
PHY 800	.
DP 353	.
PIMA S-7	443
LSD	.

 AREALOMETER - D (MM2/MM3)

DP 357	.
DP 340	.
PHY 800	.
DP 353	.
PIMA S-7	18.4
LSD	.

 AREALOMETER - I

DP 357 .
 DP 340 .
 PHY 800 .
 DP 353 .
 PIMA S-7 1.52
 LSD .

 AREALOMETER - M (PERCENT)

DP 357 .
 DP 340 .
 PHY 800 .
 DP 353 .
 PIMA S-7 93
 LSD .

 AREALOMETER - P (MIC)???

DP 357 .
 DP 340 .
 PHY 800 .
 DP 353 .
 PIMA S-7 42.91
 LSD .

 AREALOMETER - W (MG/INCH)

DP 357 .
 DP 340 .
 PHY 800 .
 DP 353 .
 PIMA S-7 3.76
 LSD .

 AREALOMETER - t (MICRONS)

DP 357 .
 DP 340 .
 PHY 800 .
 DP 353 .
 PIMA S-7 2.9
 LSD .

 SEED YIELD (LB/ACRE)

DP 357 1760
 DP 340 1630
 PHY 800 1551
 DP 353 1431
 PIMA S-7 1409
 LSD .

 OIL (PERCENT)

DP 357 2.95
 DP 340 2.72
 PHY 800 2.67

 NITROGEN (PERCENT)

DP 357 3.41
 DP 340 3.37
 PHY 800 3.42

 PLUS GOSSYPOL

DP 357 0.62
 DP 340 0.64
 PHY 800 0.59

DP 353	2.67	DP 353	3.53	DP 353	0.63
PIMA S-7	2.75	PIMA S-7	3.38	PIMA S-7	0.59
LSD	0.74	LSD	0.33	LSD	0.11

 MINUS GOSSYPOL

 TOTAL GOSYPOL (PERCENT)

DP 357	0.69	DP 357	1.31
DP 340	0.74	DP 340	1.38
PHY 800	0.67	PHY 800	1.26
DP 353	0.71	DP 353	1.34
PIMA S-7	0.66	PIMA S-7	1.25
LSD	0.15	LSD	0.26

=====
 LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
SHAFTER, AZ	1556	.	.	.	202	1.39	0.71	299	7.0
LAS CRUCES, NM	996	3.48	39.0	.	201	1.36	0.70	313	8.0

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

LOCATION	MICRO	2.5%	UNIFO-	STRE-	E	COLORIMETER	MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	RMITY	NGTH		HUNTER'S	NAIRE	YIELD		OGEN
	(reading)	(in.)	(%)	(g/tex)		RD	b	(lb/ac)	(%)	(%)

SHAFTER, AZ	4.16	1.36	88.7	48.0	7.5	64.3	11.3	4.26	.	3.42	3.38
LAS CRUCES, NM	4.72	1.31	88.7	53.4	8.3	67.5	11.0	4.74	1556	2.08	3.46

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
SHAFTER, AZ	0.61	0.68	1.29	462	17.3	1.49	94	40.45	3.39	2.8
LAS CRUCES, NM	0.61	0.71	1.32	425	19.5	1.54	92	45.37	4.14	3.0

INDIVIDUAL LOCATIONS

LOCATION=SHAFTER, AZ

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1273	PHY 800	1670	.	.	.	214	1.39	0.70	276	8.8
1374	DP 357	1624	.	.	.	198	1.39	0.73	309	6.0
1341	DP 353	1623	.	.	.	192	1.36	0.68	315	6.8
1272	DP 340	1494	.	.	.	200	1.39	0.71	301	6.0
615	PIMA S-7	1370	.	.	.	210	1.41	0.74	296	7.5
.	LSD	63	.	.	.	19	0.07	0.06	31	1.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
-----------------	-----------------	-----------------------------	-----------------------	-----------------------	--------------------------	---	-------------------------------	---	------------------------------	--------------------------	------------	---------------------

1273	PHY 800	4.00	1.40	89.4	51.0	7.9	65.5	11.0	4.15	.	3.15	3.39
1374	DP 357	4.10	1.30	88.2	44.0	7.1	63.5	11.5	4.30	.	3.87	3.34
1341	DP 353	4.20	1.30	88.8	45.5	7.5	65.0	11.5	4.35	.	3.47	3.43
1272	DP 340	4.30	1.40	88.8	47.5	7.4	63.5	11.5	4.25	.	3.38	3.47
615	PIMA S-7	4.20	1.40	88.7	52.0	7.8	64.0	11.0	4.25	.	3.26	3.29
.	LSD	0.45	.	1.6	2.8	0.7	5.8	1.5	0.48	.	0.26	0.23

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1273	PHY 800	0.57	0.62	1.19	.	.	.	.	.	.	.
1374	DP 357	0.65	0.72	1.37	.	.	.	.	.	.	.
1341	DP 353	0.63	0.71	1.33	.	.	.	.	.	.	.
1272	DP 340	0.60	0.68	1.28	.	.	.	.	.	.	.
615	PIMA S-7	0.62	0.69	1.30	462	17.3	1.49	94	40.45	3.39	2.8
.	LSD	0.07	0.07	0.12	.	.	.	.	.	.	.

LOCATION=LAS CRUCES, NM

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1374	DP 357	1133	3.33	39.3	.	206	1.38	0.72	334	8.0
1272	DP 340	1092	3.37	40.2	.	196	1.34	0.69	308	8.5
1341	DP 353	945	3.67	39.7	.	206	1.41	0.71	304	7.8
615	PIMA S-7	906	3.63	39.1	.	198	1.34	0.69	311	7.5
1273	PHY 800	905	3.40	36.9	.	202	1.35	0.71	310	8.0
.	LSD	181	1.01	4.7	.	17	0.06	0.05	38	2.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1374	DP 357	4.85	1.30	89.2	59.0	8.8	68.5	11.0	4.80	1760	2.04	3.49
1272	DP 340	4.70	1.30	88.2	50.5	8.2	68.0	11.0	4.65	1630	2.07	3.27
1341	DP 353	4.50	1.35	90.2	55.5	8.5	68.0	11.0	4.60	1431	1.87	3.63
615	PIMA S-7	4.85	1.30	88.0	52.0	8.1	67.0	11.0	4.95	1409	2.25	3.48
1273	PHY 800	4.70	1.30	88.3	50.0	8.1	66.0	11.0	4.70	1551	2.18	3.45
.	LSD	0.45	0.09	2.6	5.7	0.4	4.4	1.8	0.62	353	0.68	0.33

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1374	DP 357	0.59	0.66	1.25	.	.	.	.	.	.	.
1272	DP 340	0.68	0.80	1.48	.	.	.	.	.	.	.
1341	DP 353	0.63	0.72	1.35	.	.	.	.	.	.	.
615	PIMA S-7	0.56	0.64	1.20	425	19.5	1.54	92	45.37	4.14	3.0
1273	PHY 800	0.61	0.72	1.33	.	.	.	.	.	.	.
.	LSD	0.13	0.13	0.30	.	.	.	.	.	.	.

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**





2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 HIGH QUALITY REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING ALL LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1357	DP 174RF	1329	5.46	43.3	9.4	118	1.15	0.57	195	7.7
1358	FM 1740B2F	1249	5.38	41.4	9.9	120	1.13	0.57	206	7.3

1371	DP 164B2RF	1248	5.03	38.8	9.0	123	1.16	0.57	203	7.3
1270	DP 555BG/RR	1246	4.58	41.7	8.0	118	1.12	0.55	198	6.7
1370	DP 161B2RF	1223	4.86	39.2	8.8	126	1.18	0.59	202	7.6
1360	PHY 4815WRF	1209	5.05	40.2	10.4	133	1.16	0.60	215	8.9
1369	DP 141B2RF	1207	4.91	38.7	8.6	122	1.18	0.57	202	8.2
1355	ARK 0015-06-09	1200	5.52	40.9	10.2	115	1.18	0.58	196	9.0
1356	ARK 0009-13-01	1170	5.42	39.8	10.6	123	1.17	0.58	206	7.1
1324	STV 5327B2RF	1165	4.62	41.1	8.7	130	1.12	0.58	216	8.1
1372	MD25	1164	5.40	40.2	10.1	145	1.17	0.60	230	7.0
1354	ARK 0016-05-10	1137	5.41	39.8	10.7	115	1.18	0.58	194	8.9
1323	STV 4554B2RF	1121	4.96	39.8	9.5	122	1.11	0.57	210	9.8
1322	DPL 143B2RF	1112	5.18	37.6	9.3	120	1.18	0.56	199	7.3
1352	FM 9180B2F	1039	5.00	39.0	10.4	130	1.16	0.59	214	7.0
1359	MD5-4	1031	4.32	40.7	8.4	121	1.08	0.56	200	9.4
1361	PHY 755WRF	1026	4.86	36.3	9.9	143	1.21	0.60	234	8.8
1166	PHYTOGEN 72	1018	4.97	38.5	9.9	143	1.17	0.60	242	8.6
1362	RAIDER 276	983	5.64	36.6	11.2	140	1.19	0.59	216	6.2
1363	TAM 182-34 ELS	872	5.98	34.1	12.4	154	1.31	0.63	247	6.8
1312	NM 03012	789	4.40	21.0	10.3	151	1.16	0.58	242	5.8
.	LSD	137	0.30	1.7	0.4	7	0.03	0.02	13	1.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1357	DP 174RF	4.77	1.16	83.9	29.0	6.9	74.8	7.8	4.79	1813	2.88	3.47
1358	FM 1740B2F	4.74	1.14	83.8	31.1	6.7	76.2	7.6	4.75	1847	2.81	3.32
1371	DP 164B2RF	4.69	1.17	83.5	30.4	6.6	75.8	7.5	4.71	1974	2.84	3.11
1270	DP 555BG/RR	4.58	1.12	83.0	30.1	6.4	77.2	7.4	4.61	1844	2.99	3.46
1370	DP 161B2RF	4.73	1.19	84.6	32.0	6.8	75.8	7.5	4.78	1915	2.80	3.16
1360	PHY 4815WRF	4.56	1.20	85.4	33.8	7.5	74.7	7.9	4.61	1875	2.97	3.60
1369	DP 141B2RF	4.48	1.19	83.5	30.3	6.8	75.0	7.7	4.51	1922	2.67	3.21
1355	ARK 0015-06-09	4.51	1.18	83.9	27.9	7.1	75.8	8.3	4.58	1736	2.61	3.46
1356	ARK 0009-13-01	4.87	1.18	84.3	31.8	6.9	76.7	7.8	4.86	1776	2.52	3.27
1324	STV 5327B2RF	4.68	1.14	84.3	32.3	7.0	74.1	8.2	4.67	1675	3.03	3.24
1372	MD25	4.68	1.17	85.1	35.0	6.9	75.4	7.7	4.69	1743	2.83	3.43
1354	ARK 0016-05-10	4.70	1.19	84.1	29.0	7.4	74.5	8.5	4.71	1788	2.47	3.33
1323	STV 4554B2RF	4.91	1.12	83.5	32.2	7.7	73.0	8.5	4.86	1706	3.15	3.22
1322	DPL 143B2RF	4.28	1.18	82.9	29.6	6.4	75.5	7.7	4.33	1927	2.72	3.15
1352	FM 9180B2F	4.48	1.17	84.4	32.5	6.8	75.8	7.3	4.47	1605	2.89	3.28
1359	MD5-4	4.44	1.09	83.2	31.0	7.3	75.7	8.0	4.49	1581	3.00	3.38

1361	PHY 755WRF	4.40	1.23	85.1	34.4	7.4	73.8	8.5	4.40	1844	3.16	3.29
1166	PHYTOGEN 72	4.60	1.20	84.5	34.4	7.2	72.8	8.7	4.63	1689	2.73	3.43
1362	RAIDER 276	4.48	1.21	84.5	34.2	6.6	75.7	7.6	4.49	1704	3.09	3.27
1363	TAM 182-34 ELS	4.20	1.31	87.0	36.9	6.8	73.1	7.9	4.18	1746	3.18	3.39
1312	NM 03012	4.70	1.20	83.5	40.5	7.3	67.0	6.9	4.80	2957	2.76	3.65
.	LSD	0.20	0.04	0.7	1.5	0.3	1.1	0.4	0.19	230	0.41	0.17

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1357	DP 174RF	0.61	0.46	1.07	424	23.2	1.61	89	47.32	4.32	3.0
1358	FM 1740B2F	0.60	0.46	1.06	427	25.1	1.65	87	48.52	4.43	2.9
1371	DP 164B2RF	0.59	0.44	1.03	425	22.5	1.59	90	46.76	4.28	3.0
1270	DP 555BG/RR	0.61	0.47	1.08	429	24.2	1.63	88	47.69	4.32	2.9
1370	DP 161B2RF	0.58	0.44	1.02	425	24.3	1.63	88	47.94	4.40	3.0
1360	PHY 4815WRF	0.68	0.52	1.19	434	26.0	1.67	87	48.25	4.31	2.9
1369	DP 141B2RF	0.73	0.56	1.29	433	25.2	1.65	88	47.66	4.29	2.9
1355	ARK 0015-06-09	0.68	0.52	1.20	433	24.2	1.63	88	47.04	4.22	2.9
1356	ARK 0009-13-01	0.66	0.50	1.17	412	22.4	1.59	90	48.26	4.54	3.1
1324	STV 5327B2RF	0.74	0.57	1.31	428	24.5	1.64	88	48.18	4.38	2.9
1372	MD25	0.74	0.57	1.31	423	21.9	1.66	90	46.99	4.31	3.0
1354	ARK 0016-05-10	0.89	0.69	1.58	430	26.3	1.67	87	48.76	4.40	2.9
1323	STV 4554B2RF	0.69	0.53	1.22	415	21.1	1.57	91	47.33	4.44	3.1
1322	DPL 143B2RF	0.75	0.57	1.32	460	29.1	1.73	84	47.25	3.99	2.7
1352	FM 9180B2F	0.62	0.48	1.11	438	24.9	1.65	88	47.14	4.20	2.9
1359	MD5-4	0.74	0.57	1.31	442	30.8	1.77	83	50.16	4.42	2.8
1361	PHY 755WRF	0.61	0.46	1.07	451	25.6	1.67	87	46.36	3.99	2.8
1166	PHYTOGEN 72	0.61	0.48	1.09	431	21.4	1.57	90	45.75	4.11	2.9
1362	RAIDER 276	0.68	0.52	1.19	442	23.1	1.61	89	45.83	4.03	2.8
1363	TAM 182-34 ELS	0.70	0.54	1.24	470	25.6	1.66	87	44.42	3.69	2.7
1312	NM 03012	0.71	0.53	1.24	.	.	.	.	.	.	.
.	LSD	0.07	0.05	0.12	15.7	4.3	0.10	3	1.93	0.23	0.2

SUB-REGION=HIGH QUALITY LOCATIONS: KEISER, AR; BOSSIER CITY, LA; LUBBOCK, TX; STONEVILLE, MS;
PORTAGEVILLE, AR; COLLEGE STATION, TX; AND LAS CRUCES, NM

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1357	DP 174RF	1326	5.51	42.5	9.4	117	1.16	0.57	195	7.8
1371	DP 164B2RF	1259	5.01	38.0	8.8	123	1.17	0.58	203	7.2
1358	FM 1740B2F	1242	5.34	40.5	9.8	120	1.14	0.57	207	7.2
1370	DP 161B2RF	1238	4.81	38.6	8.6	126	1.19	0.59	202	7.4
1270	DP 555BG/RR	1235	4.50	40.9	7.8	117	1.13	0.55	200	6.8
1360	PHY 4815WRF	1215	5.02	39.4	10.3	132	1.18	0.61	217	8.8
1369	DP 141B2RF	1205	4.90	38.1	8.5	121	1.19	0.57	203	8.2
1355	ARK 0015-06-09	1203	5.57	39.9	10.2	115	1.19	0.59	200	8.8
1324	STV 5327B2RF	1177	4.52	39.9	8.5	129	1.12	0.58	216	7.9
1356	ARK 0009-13-01	1173	5.38	39.0	10.6	124	1.18	0.59	210	7.4
1372	MD25	1162	5.36	39.6	10.1	142	1.18	0.60	229	7.1
1354	ARK 0016-05-10	1134	5.36	38.8	10.7	113	1.18	0.58	195	9.0
1323	STV 4554B2RF	1126	4.92	38.6	9.2	123	1.12	0.57	212	9.6
1322	DPL 143B2RF	1089	5.16	36.6	9.1	120	1.18	0.56	201	7.1
1359	MD5-4	1038	4.31	40.1	8.5	121	1.09	0.57	198	9.4
1352	FM 9180B2F	1031	4.87	38.1	10.2	129	1.16	0.59	212	6.9
1361	PHY 755WRF	1011	4.80	35.4	9.9	142	1.21	0.60	234	8.9
1166	PHYTOGEN 72	1004	4.96	37.7	9.8	143	1.19	0.61	245	8.6
1362	RAIDER 276	981	5.67	36.1	11.1	138	1.20	0.59	214	6.4
1363	TAM 182-34 ELS	862	6.11	33.1	12.3	151	1.31	0.63	244	7.1
1312	NM 03012	789	4.40	21.0	10.3	151	1.16	0.58	242	5.8
.	LSD	168	0.35	2.2	0.4	9	0.04	0.02	15	1.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO	2.5%	UNIFO-	STRE-	SEED YIELD (lb/ac)	COLORIMETER		MICRO-	NITR OGEN (%)		
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		HUNTER'S RD	b (Reading)	OIL (%)			
1357	DP 174RF	4.73	1.17	84.0	28.8	6.9	74.6	7.8	4.78	1881	2.99	3.39
1371	DP 164B2RF	4.58	1.17	83.4	30.4	6.6	75.7	7.4	4.61	2053	2.96	3.04
1358	FM 1740B2F	4.72	1.14	83.8	31.2	6.7	76.0	7.4	4.73	1914	2.78	3.25
1370	DP 161B2RF	4.60	1.20	84.6	32.0	6.8	75.7	7.3	4.68	1990	2.81	3.04
1270	DP 555BG/RR	4.48	1.14	83.1	30.2	6.3	77.0	7.2	4.53	1909	3.03	3.43
1360	PHY 4815WRF	4.49	1.20	85.3	34.0	7.4	74.7	7.8	4.58	1955	2.90	3.54
1369	DP 141B2RF	4.42	1.19	83.4	30.3	6.7	75.0	7.6	4.48	1964	2.70	3.12

1355	ARK 0015-06-09	4.44	1.18	84.0	28.1	7.0	75.8	8.3	4.51	1806	2.56	3.41
1324	STV 5327B2RF	4.65	1.13	84.2	32.4	7.0	74.0	8.1	4.63	1766	2.93	3.15
1356	ARK 0009-13-01	4.79	1.18	84.5	31.8	7.0	76.6	7.7	4.81	1834	2.46	3.18
1372	MD25	4.66	1.18	85.0	35.0	6.9	75.2	7.7	4.67	1781	2.83	3.33
1354	ARK 0016-05-10	4.67	1.19	84.0	28.8	7.3	74.5	8.4	4.71	1870	2.46	3.25
1323	STV 4554B2RF	4.83	1.12	83.6	32.5	7.7	72.8	8.4	4.79	1788	3.05	3.17
1322	DPL 143B2RF	4.21	1.19	82.8	29.7	6.4	75.3	7.6	4.30	1981	2.84	3.03
1359	MD5-4	4.39	1.09	83.2	30.8	7.2	75.8	7.9	4.48	1650	2.82	3.32
1352	FM 9180B2F	4.41	1.17	84.6	32.1	6.8	75.3	7.2	4.43	1643	2.83	3.21
1361	PHY 755WRF	4.36	1.23	85.1	33.9	7.4	73.9	8.4	4.39	1891	3.04	3.23
1166	PHYTOGEN 72	4.56	1.21	84.7	34.4	7.2	72.5	8.6	4.64	1736	2.72	3.34
1362	RAIDER 276	4.44	1.21	84.4	34.1	6.6	75.5	7.5	4.45	1734	3.04	3.19
1363	TAM 182-34 ELS	4.16	1.31	86.8	36.6	6.8	73.1	7.9	4.16	1802	3.08	3.31
1312	NM 03012	4.70	1.20	83.5	40.5	7.3	67.0	6.9	4.80	2957	2.76	3.65
.	LSD	0.24	0.04	0.8	1.8	0.3	1.4	0.5	0.22	294	0.45	0.20

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1357	DP 174RF	0.63	0.47	1.10	425	23.8	1.61	89	47.37	4.31	3.0
1371	DP 164B2RF	0.61	0.45	1.06	431	24.1	1.62	88	47.08	4.25	3.0
1358	FM 1740B2F	0.60	0.46	1.06	430	24.3	1.63	88	47.59	4.32	2.9
1370	DP 161B2RF	0.60	0.44	1.04	434	25.4	1.65	88	47.51	4.27	2.9
1270	DP 555BG/RR	0.62	0.47	1.09	437	25.3	1.65	87	47.54	4.24	2.9
1360	PHY 4815WRF	0.67	0.51	1.19	439	26.4	1.68	86	47.96	4.23	2.8
1369	DP 141B2RF	0.74	0.56	1.30	438	26.1	1.66	87	47.52	4.23	2.9
1355	ARK 0015-06-09	0.70	0.53	1.23	438	24.8	1.64	88	46.71	4.14	2.9
1324	STV 5327B2RF	0.73	0.56	1.28	430	24.2	1.63	88	47.59	4.30	2.9
1356	ARK 0009-13-01	0.68	0.51	1.20	419	23.3	1.61	89	47.94	4.43	3.0
1372	MD25	0.74	0.56	1.30	426	21.7	1.67	90	46.46	4.24	3.0
1354	ARK 0016-05-10	0.90	0.69	1.59	429	25.0	1.64	88	47.97	4.35	3.0
1323	STV 4554B2RF	0.67	0.52	1.19	422	21.8	1.58	90	46.80	4.31	3.0
1322	DPL 143B2RF	0.74	0.56	1.29	465	29.7	1.74	84	47.06	3.95	2.7
1359	MD5-4	0.74	0.56	1.30	447	30.9	1.77	83	49.54	4.32	2.8
1352	FM 9180B2F	0.63	0.48	1.11	445	25.5	1.66	87	46.68	4.09	2.8
1361	PHY 755WRF	0.62	0.46	1.09	453	25.9	1.67	87	46.39	3.98	2.7
1166	PHYTOGEN 72	0.63	0.49	1.12	434	21.9	1.58	90	45.69	4.08	2.9
1362	RAIDER 276	0.67	0.51	1.18	446	23.6	1.62	89	45.67	3.99	2.8
1363	TAM 182-34 ELS	0.70	0.53	1.23	475	25.3	1.65	87	43.78	3.61	2.6
1312	NM 03012	0.71	0.53	1.24	.	.	.	.	.	.	.

. LSD 0.08 0.06 0.14 18.7 4.9 0.12 4 2.25 0.27 0.2

SUB-REGION=HIGH QUALITY LOCATIONS: FLORENCE, SC; TIFTON, GA; AND BELLE MINA, AL

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1357	DP 174RF	1341	5.31	46.1	9.4	121	1.12	0.56	195	7.3
1270	DP 555BG/RR	1293	4.86	44.6	8.4	121	1.08	0.55	190	6.2
1358	FM 1740B2F	1281	5.51	44.6	10.1	120	1.12	0.57	202	7.6
1369	DP 141B2RF	1211	4.95	40.9	9.0	126	1.15	0.56	200	8.2
1371	DP 164B2RF	1205	5.10	41.5	9.6	125	1.14	0.55	202	7.6
1322	DPL 143B2RF	1205	5.26	41.0	9.8	121	1.17	0.55	189	8.2
1360	PHY 4815WRF	1186	5.16	43.0	10.6	136	1.12	0.57	208	9.4
1355	ARK 0015-06-09	1185	5.36	44.4	10.1	114	1.15	0.56	182	9.8
1372	MD25	1173	5.53	42.1	10.2	154	1.15	0.59	235	6.3
1370	DP 161B2RF	1165	5.05	41.5	9.3	125	1.15	0.58	202	8.4
1356	ARK 0009-13-01	1157	5.58	42.4	10.7	121	1.12	0.56	188	5.9
1354	ARK 0016-05-10	1150	5.58	43.3	10.7	124	1.17	0.57	189	8.6
1324	STV 5327B2RF	1120	4.91	44.5	9.0	130	1.12	0.56	214	9.0
1323	STV 4554B2RF	1103	5.06	43.3	10.2	116	1.08	0.56	201	10.5
1361	PHY 755WRF	1086	5.05	39.5	10.0	151	1.23	0.61	235	8.1
1166	PHYTOGEN 72	1073	5.00	41.4	10.2	143	1.13	0.57	232	8.3
1352	FM 9180B2F	1068	5.38	42.0	10.7	136	1.16	0.58	219	7.2
1359	MD5-4	1007	4.34	42.8	8.3	121	1.03	0.54	207	9.4
1362	RAIDER 276	992	5.54	38.5	11.4	149	1.16	0.57	224	5.8
1363	TAM 182-34 ELS	913	5.53	37.4	12.7	164	1.32	0.64	259	5.8
.	LSD	227	0.56	1.0	0.9	12	0.04	0.03	19	1.4

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER HUNTER'S RD	MICRO-	SEED	NITR OGEN
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		NAIRE (Reading)	YIELD (lb/ac)		OIL (%)

1357	DP 174RF	4.90	1.13	83.5	29.5	6.9	75.5	8.0	4.80	1574	2.44	3.83
1270	DP 555BG/RR	4.95	1.08	82.7	29.5	6.5	77.8	7.9	4.88	1613	2.87	3.58
1358	FM 1740B2F	4.83	1.10	83.5	30.8	6.9	76.8	8.0	4.83	1613	2.91	3.61
1369	DP 141B2RF	4.70	1.15	84.0	30.3	7.0	75.0	7.9	4.60	1776	2.57	3.59
1371	DP 164B2RF	5.13	1.15	83.8	30.5	7.0	76.5	8.2	5.10	1699	2.32	3.38
1322	DPL 143B2RF	4.53	1.15	83.3	29.3	6.5	76.3	8.1	4.43	1737	2.24	3.63
1360	PHY 4815WRF	4.83	1.18	85.8	33.0	7.6	74.5	8.2	4.73	1593	3.25	3.82
1355	ARK 0015-06-09	4.80	1.15	83.5	27.0	7.4	75.5	8.3	4.85	1493	2.79	3.67
1372	MD25	4.73	1.15	85.5	34.8	7.1	76.0	7.9	4.75	1610	2.82	3.83
1370	DP 161B2RF	5.28	1.15	84.5	32.3	7.0	76.3	8.1	5.20	1650	2.73	3.64
1356	ARK 0009-13-01	5.18	1.15	83.7	31.8	6.9	76.8	8.2	5.05	1573	2.75	3.60
1354	ARK 0016-05-10	4.83	1.18	84.1	29.8	7.6	74.5	9.1	4.73	1503	2.52	3.63
1324	STV 5327B2RF	4.80	1.15	84.5	32.0	7.1	74.3	8.5	4.80	1404	3.38	3.54
1323	STV 4554B2RF	5.20	1.10	83.3	31.0	7.8	73.8	8.8	5.13	1461	3.50	3.41
1361	PHY 755WRF	4.55	1.23	85.0	36.3	7.4	73.5	8.8	4.43	1680	3.63	3.56
1166	PHYTOGEN 72	4.75	1.15	83.6	34.5	7.2	73.8	9.1	4.60	1522	2.77	3.75
1352	FM 9180B2F	4.73	1.15	83.8	33.8	6.9	77.5	7.7	4.63	1489	3.10	3.51
1359	MD5-4	4.63	1.05	83.2	31.8	7.5	75.5	8.5	4.55	1340	3.71	3.64
1362	RAIDER 276	4.65	1.20	84.5	34.8	6.6	76.5	8.0	4.65	1600	3.30	3.56
1363	TAM 182-34 ELS	4.35	1.30	87.5	38.3	6.9	73.0	8.1	4.23	1551	3.58	3.72
.	LSD	0.40	0.07	0.9	2.1	0.4	1.7	0.4	0.41	272	0.93	0.38

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1357	DP 174RF	0.54	0.43	0.97	418	21.0	1.57	91	47.14	4.37	3.0
1270	DP 555BG/RR	0.60	0.46	1.06	407	20.6	1.56	91	48.15	4.57	3.1
1358	FM 1740B2F	0.59	0.47	1.05	414	28.4	1.73	85	52.23	4.87	2.9
1369	DP 141B2RF	0.69	0.55	1.24	414	21.8	1.59	90	48.22	4.51	3.0
1371	DP 164B2RF	0.51	0.41	0.91	401	16.0	1.45	95	45.49	4.39	3.2
1322	DPL 143B2RF	0.79	0.63	1.42	444	26.8	1.70	86	48.00	4.19	2.8
1360	PHY 4815WRF	0.68	0.54	1.22	415	24.3	1.64	88	49.44	4.61	3.0
1355	ARK 0015-06-09	0.60	0.49	1.09	415	22.1	1.59	90	48.18	4.49	3.0
1372	MD25	0.75	0.60	1.35	413	22.9	1.62	89	49.12	4.61	3.0
1370	DP 161B2RF	0.52	0.42	0.94	391	19.9	1.55	92	49.69	4.93	3.3
1356	ARK 0009-13-01	0.59	0.47	1.06	387	19.3	1.53	92	49.39	4.94	3.3
1354	ARK 0016-05-10	0.86	0.70	1.56	433	31.0	1.78	83	51.53	4.60	2.8
1324	STV 5327B2RF	0.79	0.63	1.41	418	25.8	1.67	86	50.22	4.64	2.9
1323	STV 4554B2RF	0.74	0.58	1.32	388	18.6	1.52	93	49.20	4.91	3.3

1361	PHY 755WRF	0.57	0.45	1.01	445	24.4	1.64	88	46.22	4.02	2.8
1166	PHYTOGEN 72	0.54	0.43	0.97	422	19.8	1.55	92	45.94	4.21	3.0
1352	FM 9180B2F	0.61	0.50	1.11	414	22.5	1.61	89	48.74	4.56	3.0
1359	MD5-4	0.77	0.61	1.37	421	30.1	1.76	83	52.63	4.83	2.9
1362	RAIDER 276	0.70	0.56	1.26	426	21.3	1.58	90	46.48	4.22	2.9
1363	TAM 182-34 ELS	0.70	0.56	1.26	452	26.8	1.69	86	46.95	4.01	2.7
.	LSD	0.10	0.09	0.19	27.0	9.8	0.21	8	4.08	0.35	0.3

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
DP 174RF	5.46	DP 174RF	43.3	DP 174RF	9.4
FM 1740B2F	5.38	FM 1740B2F	41.4	FM 1740B2F	9.9
DP 164B2RF	5.03	DP 164B2RF	38.8	DP 164B2RF	9.0
DP 555BG/RR	4.58	DP 555BG/RR	41.7	DP 555BG/RR	8.0
DP 161B2RF	4.86	DP 161B2RF	39.2	DP 161B2RF	8.8
PHY 4815WRF	5.05	PHY 4815WRF	40.2	PHY 4815WRF	10.4
DP 141B2RF	4.91	DP 141B2RF	38.7	DP 141B2RF	8.6
ARK 0015-06-09	5.52	ARK 0015-06-09	40.9	ARK 0015-06-09	10.2
ARK 0009-13-01	5.42	ARK 0009-13-01	39.8	ARK 0009-13-01	10.6
STV 5327B2RF	4.62	STV 5327B2RF	41.1	STV 5327B2RF	8.7
MD25	5.40	MD25	40.2	MD25	10.1
ARK 0016-05-10	5.41	ARK 0016-05-10	39.8	ARK 0016-05-10	10.7
STV 4554B2RF	4.96	STV 4554B2RF	39.8	STV 4554B2RF	9.5
DPL 143B2RF	5.18	DPL 143B2RF	37.6	DPL 143B2RF	9.3
FM 9180B2F	5.00	FM 9180B2F	39.0	FM 9180B2F	10.4
MD5-4	4.32	MD5-4	40.7	MD5-4	8.4
PHY 755WRF	4.86	PHY 755WRF	36.3	PHY 755WRF	9.9
PHYTOGEN 72	4.97	PHYTOGEN 72	38.5	PHYTOGEN 72	9.9
RAIDER 276	5.64	RAIDER 276	36.6	RAIDER 276	11.2
TAM 182-34 ELS	5.98	TAM 182-34 ELS	34.1	TAM 182-34 ELS	12.4
LSD	0.30	LSD	1.7	LSD	0.4

 2.5% S.L. (INCHES)

DP 174RF	1.16
FM 1740B2F	1.14
DP 164B2RF	1.17
DP 555BG/RR	1.12
DP 161B2RF	1.19
PHY 4815WRF	1.20
DP 141B2RF	1.19
ARK 0015-06-09	1.18
ARK 0009-13-01	1.18
STV 5327B2RF	1.14
MD25	1.17
ARK 0016-05-10	1.19
STV 4554B2RF	1.12
DPL 143B2RF	1.18
FM 9180B2F	1.17
MD5-4	1.09
PHY 755WRF	1.23
PHYTOGEN 72	1.20
RAIDER 276	1.21
TAM 182-34 ELS	1.31
LSD	0.04

 UR (PERCENT)

DP 174RF	83.9
FM 1740B2F	83.8
DP 164B2RF	83.5
DP 555BG/RR	83.0
DP 161B2RF	84.6
PHY 4815WRF	85.4
DP 141B2RF	83.5
ARK 0015-06-09	83.9
ARK 0009-13-01	84.3
STV 5327B2RF	84.3
MD25	85.1
ARK 0016-05-10	84.1
STV 4554B2RF	83.5
DPL 143B2RF	82.9
FM 9180B2F	84.4
MD5-4	83.2
PHY 755WRF	85.1
PHYTOGEN 72	84.5
RAIDER 276	84.5
TAM 182-34 ELS	87.0
LSD	0.7

 STRENGTH (G/TEX)

DP 174RF	29.0
FM 1740B2F	31.1
DP 164B2RF	30.4
DP 555BG/RR	30.1
DP 161B2RF	32.0
PHY 4815WRF	33.8
DP 141B2RF	30.3
ARK 0015-06-09	27.9
ARK 0009-13-01	31.8
STV 5327B2RF	32.3
MD25	35.0
ARK 0016-05-10	29.0
STV 4554B2RF	32.2
DPL 143B2RF	29.6
FM 9180B2F	32.5
MD5-4	31.0
PHY 755WRF	34.4
PHYTOGEN 72	34.4
RAIDER 276	34.2
TAM 182-34 ELS	36.9
LSD	1.5

 E

DP 174RF	6.9
FM 1740B2F	6.7
DP 164B2RF	6.6
DP 555BG/RR	6.4
DP 161B2RF	6.8
PHY 4815WRF	7.5
DP 141B2RF	6.8
ARK 0015-06-09	7.1

 MICRONAIRE (SL-HVI)

DP 174RF	4.79
FM 1740B2F	4.75
DP 164B2RF	4.71
DP 555BG/RR	4.61
DP 161B2RF	4.78
PHY 4815WRF	4.61
DP 141B2RF	4.51
ARK 0015-06-09	4.58

 COLORIMETER - Rd

DP 174RF	74.8
FM 1740B2F	76.2
DP 164B2RF	75.8
DP 555BG/RR	77.2
DP 161B2RF	75.8
PHY 4815WRF	74.7
DP 141B2RF	75.0
ARK 0015-06-09	75.8

ARK 0009-13-01	6.9
STV 5327B2RF	7.0
MD25	6.9
ARK 0016-05-10	7.4
STV 4554B2RF	7.7
DPL 143B2RF	6.4
FM 9180B2F	6.8
MD5-4	7.3
PHY 755WRF	7.4
PHYTOGEN 72	7.2
RAIDER 276	6.6
TAM 182-34 ELS	6.8
LSD	0.3

ARK 0009-13-01	4.86
STV 5327B2RF	4.67
MD25	4.69
ARK 0016-05-10	4.71
STV 4554B2RF	4.86
DPL 143B2RF	4.33
FM 9180B2F	4.47
MD5-4	4.49
PHY 755WRF	4.40
PHYTOGEN 72	4.63
RAIDER 276	4.49
TAM 182-34 ELS	4.18
LSD	0.19

ARK 0009-13-01	76.7
STV 5327B2RF	74.1
MD25	75.4
ARK 0016-05-10	74.5
STV 4554B2RF	73.0
DPL 143B2RF	75.5
FM 9180B2F	75.8
MD5-4	75.7
PHY 755WRF	73.8
PHYTOGEN 72	72.8
RAIDER 276	75.7
TAM 182-34 ELS	73.1
LSD	1.1

 COLORIMETER - b

 MICRONAIRE

 STELOMETER - E1

DP 174RF	7.8
FM 1740B2F	7.6
DP 164B2RF	7.5
DP 555BG/RR	7.4
DP 161B2RF	7.5
PHY 4815WRF	7.9
DP 141B2RF	7.7
ARK 0015-06-09	8.3
ARK 0009-13-01	7.8
STV 5327B2RF	8.2
MD25	7.7
ARK 0016-05-10	8.5
STV 4554B2RF	8.5
DPL 143B2RF	7.7
FM 9180B2F	7.3
MD5-4	8.0
PHY 755WRF	8.5
PHYTOGEN 72	8.7
RAIDER 276	7.6
TAM 182-34 ELS	7.9
LSD	0.4

DP 174RF	4.77
FM 1740B2F	4.74
DP 164B2RF	4.69
DP 555BG/RR	4.58
DP 161B2RF	4.73
PHY 4815WRF	4.56
DP 141B2RF	4.48
ARK 0015-06-09	4.51
ARK 0009-13-01	4.87
STV 5327B2RF	4.68
MD25	4.68
ARK 0016-05-10	4.70
STV 4554B2RF	4.91
DPL 143B2RF	4.28
FM 9180B2F	4.48
MD5-4	4.44
PHY 755WRF	4.40
PHYTOGEN 72	4.60
RAIDER 276	4.48
TAM 182-34 ELS	4.20
LSD	0.20

DP 174RF	7.7
FM 1740B2F	7.3
DP 164B2RF	7.3
DP 555BG/RR	6.7
DP 161B2RF	7.6
PHY 4815WRF	8.9
DP 141B2RF	8.2
ARK 0015-06-09	9.0
ARK 0009-13-01	7.1
STV 5327B2RF	8.1
MD25	7.0
ARK 0016-05-10	8.9
STV 4554B2RF	9.8
DPL 143B2RF	7.3
FM 9180B2F	7.0
MD5-4	9.4
PHY 755WRF	8.8
PHYTOGEN 72	8.6
RAIDER 276	6.2
TAM 182-34 ELS	6.8
LSD	1.1

 STELOMETER - T1

DP 174RF	195
FM 1740B2F	206
DP 164B2RF	203
DP 555BG/RR	198
DP 161B2RF	202
PHY 4815WRF	215
DP 141B2RF	202
ARK 0015-06-09	196
ARK 0009-13-01	206
STV 5327B2RF	216
MD25	230
ARK 0016-05-10	194
STV 4554B2RF	210
DPL 143B2RF	199
FM 9180B2F	214
MD5-4	200
PHY 755WRF	234
PHYTOGEN 72	242
RAIDER 276	216
TAM 182-34 ELS	247
LSD	13

 FIBROGRAPH - 50% S.L.

DP 174RF	0.57
FM 1740B2F	0.57
DP 164B2RF	0.57
DP 555BG/RR	0.55
DP 161B2RF	0.59
PHY 4815WRF	0.60
DP 141B2RF	0.57
ARK 0015-06-09	0.58
ARK 0009-13-01	0.58
STV 5327B2RF	0.58
MD25	0.60
ARK 0016-05-10	0.58
STV 4554B2RF	0.57
DPL 143B2RF	0.56
FM 9180B2F	0.59
MD5-4	0.56
PHY 755WRF	0.60
PHYTOGEN 72	0.60
RAIDER 276	0.59
TAM 182-34 ELS	0.63
LSD	0.02

 FIBROGRAPH - 2.5% S.L.

DP 174RF	1.15
FM 1740B2F	1.13
DP 164B2RF	1.16
DP 555BG/RR	1.12
DP 161B2RF	1.18
PHY 4815WRF	1.16
DP 141B2RF	1.18
ARK 0015-06-09	1.18
ARK 0009-13-01	1.17
STV 5327B2RF	1.12
MD25	1.17
ARK 0016-05-10	1.18
STV 4554B2RF	1.11
DPL 143B2RF	1.18
FM 9180B2F	1.16
MD5-4	1.08
PHY 755WRF	1.21
PHYTOGEN 72	1.17
RAIDER 276	1.19
TAM 182-34 ELS	1.31
LSD	0.03

 YARN TENACITY

DP 174RF	118
FM 1740B2F	120
DP 164B2RF	123
DP 555BG/RR	118
DP 161B2RF	126

 AREALOMETER - A (MM2/MM3)

DP 174RF	424
FM 1740B2F	427
DP 164B2RF	425
DP 555BG/RR	429
DP 161B2RF	425

 AREALOMETER - D (MM2/MM3)

DP 174RF	23.2
FM 1740B2F	25.1
DP 164B2RF	22.5
DP 555BG/RR	24.2
DP 161B2RF	24.3

PHY 4815WRF	133
DP 141B2RF	122
ARK 0015-06-09	115
ARK 0009-13-01	123
STV 5327B2RF	130
MD25	145
ARK 0016-05-10	115
STV 4554B2RF	122
DPL 143B2RF	120
FM 9180B2F	130
MD5-4	121
PHY 755WRF	143
PHYTOGEN 72	143
RAIDER 276	140
TAM 182-34 ELS	154
LSD	7

PHY 4815WRF	434
DP 141B2RF	433
ARK 0015-06-09	433
ARK 0009-13-01	412
STV 5327B2RF	428
MD25	423
ARK 0016-05-10	430
STV 4554B2RF	415
DPL 143B2RF	460
FM 9180B2F	438
MD5-4	442
PHY 755WRF	451
PHYTOGEN 72	431
RAIDER 276	442
TAM 182-34 ELS	470
LSD	15.7

PHY 4815WRF	26.0
DP 141B2RF	25.2
ARK 0015-06-09	24.2
ARK 0009-13-01	22.4
STV 5327B2RF	24.5
MD25	21.9
ARK 0016-05-10	26.3
STV 4554B2RF	21.1
DPL 143B2RF	29.1
FM 9180B2F	24.9
MD5-4	30.8
PHY 755WRF	25.6
PHYTOGEN 72	21.4
RAIDER 276	23.1
TAM 182-34 ELS	25.6
LSD	4.3

AREALOMETER - I

AREALOMETER - M (PERCENT)

AREALOMETER - P (MIC)???

DP 174RF	1.61
FM 1740B2F	1.65
DP 164B2RF	1.59
DP 555BG/RR	1.63
DP 161B2RF	1.63
PHY 4815WRF	1.67
DP 141B2RF	1.65
ARK 0015-06-09	1.63
ARK 0009-13-01	1.59
STV 5327B2RF	1.64
MD25	1.66
ARK 0016-05-10	1.67
STV 4554B2RF	1.57
DPL 143B2RF	1.73
FM 9180B2F	1.65
MD5-4	1.77
PHY 755WRF	1.67
PHYTOGEN 72	1.57
RAIDER 276	1.61

DP 174RF	89
FM 1740B2F	87
DP 164B2RF	90
DP 555BG/RR	88
DP 161B2RF	88
PHY 4815WRF	87
DP 141B2RF	88
ARK 0015-06-09	88
ARK 0009-13-01	90
STV 5327B2RF	88
MD25	90
ARK 0016-05-10	87
STV 4554B2RF	91
DPL 143B2RF	84
FM 9180B2F	88
MD5-4	83
PHY 755WRF	87
PHYTOGEN 72	90
RAIDER 276	89

DP 174RF	47.32
FM 1740B2F	48.52
DP 164B2RF	46.76
DP 555BG/RR	47.69
DP 161B2RF	47.94
PHY 4815WRF	48.25
DP 141B2RF	47.66
ARK 0015-06-09	47.04
ARK 0009-13-01	48.26
STV 5327B2RF	48.18
MD25	46.99
ARK 0016-05-10	48.76
STV 4554B2RF	47.33
DPL 143B2RF	47.25
FM 9180B2F	47.14
MD5-4	50.16
PHY 755WRF	46.36
PHYTOGEN 72	45.75
RAIDER 276	45.83

TAM 182-34 ELS 1.66
LSD 0.10

TAM 182-34 ELS 87
LSD 3

TAM 182-34 ELS 44.42
LSD 1.93

AREALOMETER - W (MG/INCH)

AREALOMETER - t (MICRONS)

SEED YIELD (LB/ACRE)

DP 174RF 4.32
FM 1740B2F 4.43
DP 164B2RF 4.28
DP 555BG/RR 4.32
DP 161B2RF 4.40
PHY 4815WRF 4.31
DP 141B2RF 4.29
ARK 0015-06-09 4.22
ARK 0009-13-01 4.54
STV 5327B2RF 4.38
MD25 4.31
ARK 0016-05-10 4.40
STV 4554B2RF 4.44
DPL 143B2RF 3.99
FM 9180B2F 4.20
MD5-4 4.42
PHY 755WRF 3.99
PHYTOGEN 72 4.11
RAIDER 276 4.03
TAM 182-34 ELS 3.69
LSD 0.23

DP 174RF 3.0
FM 1740B2F 2.9
DP 164B2RF 3.0
DP 555BG/RR 2.9
DP 161B2RF 3.0
PHY 4815WRF 2.9
DP 141B2RF 2.9
ARK 0015-06-09 2.9
ARK 0009-13-01 3.1
STV 5327B2RF 2.9
MD25 3.0
ARK 0016-05-10 2.9
STV 4554B2RF 3.1
DPL 143B2RF 2.7
FM 9180B2F 2.9
MD5-4 2.8
PHY 755WRF 2.8
PHYTOGEN 72 2.9
RAIDER 276 2.8
TAM 182-34 ELS 2.7
LSD 0.2

DP 174RF 1813
FM 1740B2F 1847
DP 164B2RF 1974
DP 555BG/RR 1844
DP 161B2RF 1915
PHY 4815WRF 1875
DP 141B2RF 1922
ARK 0015-06-09 1736
ARK 0009-13-01 1776
STV 5327B2RF 1675
MD25 1743
ARK 0016-05-10 1788
STV 4554B2RF 1706
DPL 143B2RF 1927
FM 9180B2F 1605
MD5-4 1581
PHY 755WRF 1844
PHYTOGEN 72 1689
RAIDER 276 1704
TAM 182-34 ELS 1746
LSD 230

OIL (PERCENT)

NITROGEN (PERCENT)

PLUS GOSSYPOL

DP 174RF 2.88
FM 1740B2F 2.81
DP 164B2RF 2.84
DP 555BG/RR 2.99

DP 174RF 3.47
FM 1740B2F 3.32
DP 164B2RF 3.11
DP 555BG/RR 3.46

DP 174RF 0.61
FM 1740B2F 0.60
DP 164B2RF 0.59
DP 555BG/RR 0.61

DP 161B2RF	2.80
PHY 4815WRF	2.97
DP 141B2RF	2.67
ARK 0015-06-09	2.61
ARK 0009-13-01	2.52
STV 5327B2RF	3.03
MD25	2.83
ARK 0016-05-10	2.47
STV 4554B2RF	3.15
DPL 143B2RF	2.72
FM 9180B2F	2.89
MD5-4	3.00
PHY 755WRF	3.16
PHYTOGEN 72	2.73
RAIDER 276	3.09
TAM 182-34 ELS	3.18
LSD	0.41

DP 161B2RF	3.16
PHY 4815WRF	3.60
DP 141B2RF	3.21
ARK 0015-06-09	3.46
ARK 0009-13-01	3.27
STV 5327B2RF	3.24
MD25	3.43
ARK 0016-05-10	3.33
STV 4554B2RF	3.22
DPL 143B2RF	3.15
FM 9180B2F	3.28
MD5-4	3.38
PHY 755WRF	3.29
PHYTOGEN 72	3.43
RAIDER 276	3.27
TAM 182-34 ELS	3.39
LSD	0.17

DP 161B2RF	0.58
PHY 4815WRF	0.68
DP 141B2RF	0.73
ARK 0015-06-09	0.68
ARK 0009-13-01	0.66
STV 5327B2RF	0.74
MD25	0.74
ARK 0016-05-10	0.89
STV 4554B2RF	0.69
DPL 143B2RF	0.75
FM 9180B2F	0.62
MD5-4	0.74
PHY 755WRF	0.61
PHYTOGEN 72	0.61
RAIDER 276	0.68
TAM 182-34 ELS	0.70
LSD	0.07

 MINUS GOSSYPOL

 TOTAL GOSYPOL (PERCENT)

DP 174RF	0.46
FM 1740B2F	0.46
DP 164B2RF	0.44
DP 555BG/RR	0.47
DP 161B2RF	0.44
PHY 4815WRF	0.52
DP 141B2RF	0.56
ARK 0015-06-09	0.52
ARK 0009-13-01	0.50
STV 5327B2RF	0.57
MD25	0.57
ARK 0016-05-10	0.69
STV 4554B2RF	0.53
DPL 143B2RF	0.57
FM 9180B2F	0.48
MD5-4	0.57
PHY 755WRF	0.46
PHYTOGEN 72	0.48

DP 174RF	1.07
FM 1740B2F	1.06
DP 164B2RF	1.03
DP 555BG/RR	1.08
DP 161B2RF	1.02
PHY 4815WRF	1.19
DP 141B2RF	1.29
ARK 0015-06-09	1.20
ARK 0009-13-01	1.17
STV 5327B2RF	1.31
MD25	1.31
ARK 0016-05-10	1.58
STV 4554B2RF	1.22
DPL 143B2RF	1.32
FM 9180B2F	1.11
MD5-4	1.31
PHY 755WRF	1.07
PHYTOGEN 72	1.09

RAIDER 276	0.52	RAIDER 276	1.19
TAM 182-34 ELS	0.54	TAM 182-34 ELS	1.24
LSD	0.05	LSD	0.12

=====

LOCATIONS COMBINING VARIETIES - REGIONAL HIGH QUALITY 71

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)			(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
LUBBOCK, TX	1695	5.59	38.3	10.8	114	1.21	0.56	189	8.5
FLORENCE, SC	1582	5.89	41.9	10.8	125	1.16	0.59	203	7.4
STONEVILLE, MS	1441	5.38	43.1	10.1	133	1.22	0.61	219	7.5
PORTAGEVILLE, MO	1263	.	.	.	135	1.21	0.60	222	7.3
LAS CRUCES, NM	1219	5.51	44.0	.	119	1.17	0.59	211	8.3
KEISER, AR	1013	4.69	40.6	9.0	138	1.19	0.59	223	8.7
JACKSON, TN	938	5.33	40.2	.	123	1.17	0.60	211	8.8
COLLEGE STATION, TX	865	4.41	22.2	9.3	130	1.11	0.55	207	6.6
BOSSIER CITY, LA	733	4.96	41.2	9.4	125	1.10	0.57	209	7.4
BELLE MINA, AL	710	4.52	42.6	9.2	137	1.12	0.55	214	8.4

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	RMITY	NGTH	E	RD	HUNTER'S	NAIRE	YIELD	(%)	OGEN
	(reading)	(in.)	(%)	(g/tex)			b	(Reading)	(lb/ac)		(%)
LUBBOCK, TX	4.15	1.20	83.6	27.9	6.9	77.0	8.1	4.36	2777	2.59	3.36
FLORENCE, SC	4.84	1.19	85.1	31.6	7.0	74.5	7.9	4.74	2192	3.10	3.31
STONEVILLE, MS	5.05	1.20	86.2	34.5	7.2	75.0	8.3	5.07	1885	3.55	2.76
PORTAGEVILLE, MO	4.66	1.24	83.8	32.9	6.8	70.7	7.9	4.53	.	2.79	3.17
LAS CRUCES, NM	4.93	1.18	85.2	30.6	7.0	77.9	8.6	5.02	1544	2.62	3.07
KEISER, AR	3.88	1.22	85.1	31.8	6.9	77.0	7.3	3.85	1421	2.99	3.05
JACKSON, TN	3.96	1.18	85.0	30.8	6.9	78.6	7.8	4.05	1386	2.60	3.30
COLLEGE STATION, TX	4.59	1.14	81.8	32.2	6.7	67.6	7.2	4.60	3013	3.11	3.57
BOSSIER CITY, LA	5.00	1.10	83.0	34.1	7.1	76.6	7.2	5.09	1060	2.37	3.78

BELLE MINA, AL 4.79 1.12 83.2 32.5 7.2 76.4 8.6 4.76 956 2.81 3.93

---GOSSYPOL LEVELS----- AREALOMETER DATA-----

LOCATION	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
LUBBOCK, TX	0.73	0.52	1.25	462	32.3	1.80	82	49.02	4.11	2.6
FLORENCE, SC	0.77	0.63	1.40	417	23.3	1.62	89	48.79	4.53	3.0
STONEVILLE, MS	0.73	0.64	1.36	393	17.2	1.48	94	47.25	4.66	3.3
PORTAGEVILLE, MO	0.59	0.49	1.08	441	25.9	1.67	87	47.71	4.19	2.8
LAS CRUCES, NM	0.66	0.48	1.14	413	17.0	1.48	94	44.94	4.21	3.1
KEISER, AR	0.73	0.61	1.34	488	34.7	1.85	80	47.55	3.78	2.5
JACKSON, TN	0.73	0.52	1.25	486	38.3	1.92	77	49.58	3.97	2.5
COLLEGE STATION, TX	0.65	0.50	1.15	422	18.3	1.56	93	44.86	4.12	3.0
BOSSIER CITY, LA	0.65	0.36	1.01	398	14.8	1.43	96	44.98	4.38	3.3
BELLE MINA, AL	0.54	0.42	0.96	417	23.0	1.61	89	48.50	4.51	3.0

INDIVIDUAL LOCATIONS

LOCATION=LUBBOCK, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1358	FM 1740B2F	2178	5.70	41.0	10.9	106	1.14	0.53	177	7.8
1360	PHY 4815WRF	1954	5.75	36.6	11.6	118	1.22	0.58	194	10.3
1371	DP 164B2RF	1908	5.55	37.3	10.2	112	1.19	0.57	183	6.8
1357	DP 174RF	1870	5.85	41.1	10.4	100	1.21	0.55	162	8.3
1369	DP 141B2RF	1848	5.60	37.3	9.8	107	1.20	0.55	172	8.3
1361	PHY 755WRF	1836	5.30	35.7	11.1	130	1.29	0.61	229	9.8
1270	DP 555BG/RR	1822	5.10	39.7	9.2	106	1.17	0.53	191	8.4
1370	DP 161B2RF	1779	5.20	37.1	9.7	120	1.23	0.56	174	6.8
1166	PHYTOGEN 72	1767	5.15	37.8	11.1	129	1.21	0.59	235	10.5
1356	ARK 0009-13-01	1689	5.30	40.3	11.7	107	1.19	0.56	174	7.8
1372	MD25	1600	6.05	38.9	11.5	132	1.25	0.59	222	8.5
1355	ARK 0015-06-09	1572	6.25	40.8	11.1	96	1.20	0.55	163	8.5

1322	DPL 143B2RF	1535	5.45	30.9	10.4	110	1.21	0.54	179	7.5
1359	MD5-4	1527	4.10	47.0	9.4	108	1.13	0.55	169	9.5
1362	RAIDER 276	1420	6.50	36.7	11.9	127	1.24	0.56	207	7.3
1354	ARK 0016-05-10	1415	5.60	39.7	11.5	94	1.20	0.57	168	11.0
1363	TAM 182-34 ELS	1094	6.50	34.2	13.1	140	1.34	0.61	217	7.8
.	LSD	210	0.73	7.9	0.9	7	0.03	0.03	16	0.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1358	FM 1740B2F	4.50	1.10	82.3	28.0	6.9	78.5	8.3	4.65	3155	2.58	3.37
1360	PHY 4815WRF	4.40	1.20	84.9	28.0	7.7	75.0	8.0	4.60	3396	2.60	3.71
1371	DP 164B2RF	4.25	1.20	82.4	28.0	6.6	79.0	8.5	4.50	3168	3.67	3.06
1357	DP 174RF	4.20	1.20	83.3	24.5	6.9	75.5	8.3	4.45	2781	2.50	3.46
1369	DP 141B2RF	4.10	1.20	82.4	27.5	6.8	77.5	7.9	4.30	3058	2.70	3.25
1361	PHY 755WRF	4.20	1.30	85.5	30.5	7.7	76.0	8.9	4.35	3222	2.52	3.30
1270	DP 555BG/RR	4.10	1.20	82.5	27.5	6.5	79.5	7.4	4.35	2774	2.30	3.47
1370	DP 161B2RF	4.00	1.20	84.0	27.5	6.5	77.5	8.1	4.25	2806	3.11	3.18
1166	PHYTOGEN 72	4.35	1.20	84.7	31.5	7.4	74.0	8.9	4.65	2989	2.07	3.56
1356	ARK 0009-13-01	4.25	1.20	83.6	28.5	6.9	79.0	7.6	4.40	2575	2.59	3.24
1372	MD25	4.20	1.20	85.3	30.5	6.6	77.5	8.2	4.40	2400	2.66	3.35
1355	ARK 0015-06-09	4.10	1.20	82.7	24.0	7.2	78.0	8.5	4.30	2434	2.21	3.68
1322	DPL 143B2RF	3.80	1.20	82.0	26.0	6.3	76.5	8.1	4.10	3708	2.94	3.04
1359	MD5-4	3.80	1.10	82.9	25.5	7.2	78.5	8.7	4.05	1887	2.25	3.28
1362	RAIDER 276	4.05	1.20	83.6	30.5	6.5	77.0	7.3	4.15	2261	2.45	3.52
1354	ARK 0016-05-10	4.25	1.20	82.8	24.5	7.3	76.0	8.1	4.55	2316	1.88	3.31
1363	TAM 182-34 ELS	4.00	1.30	86.5	31.0	6.5	74.0	8.2	4.10	2277	3.03	3.45
.	LSD	0.37	.	1.2	1.9	0.5	1.4	0.6	0.38	1122	0.54	0.20

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1358	FM 1740B2F	0.67	0.48	1.15	433	25.5	1.67	87	48.48	4.33	2.9
1360	PHY 4815WRF	0.71	0.52	1.23	455	37.0	1.90	79	52.43	4.46	2.6
1371	DP 164B2RF	0.63	0.45	1.07	456	35.8	1.87	79	51.65	4.38	2.6
1357	DP 174RF	0.70	0.50	1.19	455	32.3	1.80	82	49.80	4.24	2.7

1369	DP 141B2RF	0.84	0.59	1.43	462	32.0	1.80	82	49.01	4.11	2.6
1361	PHY 755WRF	0.64	0.46	1.09	455	21.0	1.57	91	43.37	3.69	2.8
1270	DP 555BG/RR	0.59	0.41	1.00	464	31.3	1.79	82	48.43	4.04	2.6
1370	DP 161B2RF	0.57	0.41	0.98	470	40.8	1.97	76	52.46	4.32	2.6
1166	PHYTOGEN 72	0.70	0.50	1.20	440	20.3	1.56	91	44.38	3.90	2.9
1356	ARK 0009-13-01	0.69	0.49	1.18	448	31.8	1.80	82	50.33	4.34	2.7
1372	MD25	0.75	0.54	1.29	464	35.8	1.88	79	50.76	4.24	2.6
1355	ARK 0015-06-09	0.71	0.51	1.21	463	33.8	1.84	81	49.80	4.17	2.6
1322	DPL 143B2RF	0.83	0.59	1.41	487	39.3	1.94	77	49.93	3.97	2.5
1359	MD5-4	0.81	0.57	1.38	489	43.0	2.01	74	51.56	4.08	2.4
1362	RAIDER 276	0.73	0.53	1.26	468	27.8	1.72	85	46.05	3.81	2.6
1354	ARK 0016-05-10	1.08	0.77	1.85	454	31.8	1.80	82	49.78	4.26	2.7
1363	TAM 182-34 ELS	0.78	0.57	1.35	491	30.0	1.76	83	45.12	3.56	2.5
.	LSD	0.06	0.06	0.10	25.0	8.8	0.17	7	4.84	0.51	0.2

LOCATION=COLLEGE STATION, TX

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)				2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1357	DP 174RF	1155	5.00	26.1	8.7	120	1.10	0.56	190	6.3
1372	MD25	1082	4.75	27.0	9.8	147	1.12	0.57	201	5.8
1356	ARK 0009-13-01	1076	5.40	27.3	10.2	124	1.12	0.56	207	6.3
1359	MD5-4	994	3.80	24.7	7.8	126	1.03	0.55	210	11.5
1362	RAIDER 276	974	5.50	27.2	10.3	140	1.15	0.56	200	4.5
1270	DP 555BG/RR	959	2.40	21.8	6.9	108	1.04	0.50	179	5.5
1370	DP 161B2RF	948	4.00	25.4	8.2	126	1.12	0.56	193	5.0
1360	PHY 4815WRF	929	4.15	22.8	9.7	134	1.13	0.59	222	8.0
1369	DP 141B2RF	899	4.60	23.5	8.2	118	1.12	0.54	188	7.3
1358	FM 1740B2F	871	4.50	21.2	9.8	111	1.07	0.52	212	6.8
1355	ARK 0015-06-09	850	4.70	21.0	9.9	118	1.16	0.57	181	7.8
1352	FM 9180B2F	806	4.65	21.3	10.3	132	1.10	0.55	192	5.8
1371	DP 164B2RF	805	3.90	21.6	8.1	122	1.08	0.53	198	4.3
1312	NM 03012	789	4.40	21.0	10.3	151	1.16	0.58	242	5.8
1322	DPL 143B2RF	788	4.35	20.8	8.6	110	1.13	0.53	193	5.9
1324	STV 5327B2RF	787	3.97	20.1	8.7	127	1.04	0.53	209	6.1
1166	PHYTOGEN 72	767	4.30	20.4	9.1	150	1.12	0.56	237	7.5
1323	STV 4554B2RF	764	3.95	20.2	9.0	123	1.04	0.53	207	8.8
1361	PHY 755WRF	655	4.15	18.5	9.4	151	1.12	0.57	231	6.8
1363	TAM 182-34 ELS	652	5.65	19.3	12.2	167	1.32	0.62	255	4.7

1354	ARK 0016-05-10	626	4.55	16.0	10.0	120	1.11	0.52	195	7.9
.	LSD	167	1.18	4.2	0.7	9	0.05	0.04	26	1.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1357	DP 174RF	4.75	1.15	81.5	28.5	6.5	68.0	7.7	4.80	3274	3.88	3.76
1372	MD25	4.85	1.10	82.5	35.5	6.9	69.0	7.6	4.80	2927	3.28	3.61
1356	ARK 0009-13-01	5.00	1.10	82.2	31.5	6.5	71.5	7.3	5.05	2860	2.48	3.61
1359	MD5-4	4.90	1.05	81.2	32.0	7.9	70.0	7.6	4.90	3036	3.43	3.40
1362	RAIDER 276	4.45	1.15	82.1	34.5	6.2	69.0	7.3	4.40	2613	3.71	3.35
1270	DP 555BG/RR	4.75	1.05	80.9	28.5	5.8	71.0	6.5	4.75	3399	3.05	3.91
1370	DP 161B2RF	4.70	1.15	82.7	32.5	6.5	66.0	5.3	4.75	2779	3.16	3.29
1360	PHY 4815WRF	4.65	1.20	83.0	35.5	7.4	66.5	6.9	4.65	3139	3.57	3.70
1369	DP 141B2RF	4.70	1.15	80.2	30.0	6.2	66.0	6.6	4.70	2948	3.17	3.19
1358	FM 1740B2F	4.55	1.10	81.8	29.0	6.1	67.0	6.5	4.60	3242	3.34	3.46
1355	ARK 0015-06-09	4.40	1.15	81.5	26.0	6.9	70.0	8.4	4.40	3187	2.81	3.94
1352	FM 9180B2F	4.10	1.10	81.6	32.0	6.3	65.0	5.9	4.25	2981	3.07	3.51
1371	DP 164B2RF	4.70	1.10	80.2	28.5	6.1	66.0	4.4	4.75	2921	3.39	3.33
1312	NM 03012	4.70	1.20	83.5	40.5	7.3	67.0	6.9	4.80	2957	2.76	3.65
1322	DPL 143B2RF	4.30	1.15	80.0	27.5	6.1	67.0	7.6	4.35	2983	2.71	3.24
1324	STV 5327B2RF	4.40	1.07	81.9	31.7	7.1	65.3	7.4	4.40	3128	2.77	3.60
1166	PHYTOGEN 72	4.45	1.20	82.6	34.0	7.1	68.5	8.5	4.60	2981	2.02	3.68
1323	STV 4554B2RF	4.75	1.05	81.4	32.5	7.8	64.0	7.7	4.70	3021	3.58	3.38
1361	PHY 755WRF	4.25	1.20	81.7	37.0	7.2	66.5	8.2	4.25	2889	3.45	3.60
1363	TAM 182-34 ELS	4.30	1.30	84.9	40.5	6.7	67.0	7.6	4.10	2730	3.32	3.86
1354	ARK 0016-05-10	4.80	1.20	81.6	28.0	7.4	68.5	9.2	4.55	3278	2.45	3.84
.	LSD	0.43	0.10	1.5	2.9	0.6	4.5	1.6	0.47	173	0.59	0.34

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1357	DP 174RF	0.61	0.48	1.08	410	16.8	1.48	94	45.17	4.26	3.2
1372	MD25	0.83	0.65	1.48	401	13.5	2.15	97	43.71	4.21	3.3
1356	ARK 0009-13-01	0.59	0.46	1.05	.	.	.	.	.	.	.
1359	MD5-4	0.77	0.59	1.37	408	22.3	1.61	89	49.35	4.69	3.1

1362	RAIDER 276	0.66	0.50	1.16	442	21.8	1.59	90	45.15	3.95	2.8
1270	DP 555BG/RR	0.56	0.42	0.98	.	.	.	.	.	.	.
1370	DP 161B2RF	0.53	0.41	0.93	411	12.5	1.37	98	41.80	3.93	3.3
1360	PHY 4815WRF	0.61	0.47	1.07	418	19.8	1.55	92	46.46	4.31	3.0
1369	DP 141B2RF	0.77	0.60	1.37	402	13.8	1.41	97	43.73	4.20	3.3
1358	FM 1740B2F	0.55	0.43	0.97	420	22.5	1.61	89	48.14	4.45	3.0
1355	ARK 0015-06-09	0.67	0.52	1.20	.	.	.	.	.	.	.
1352	FM 9180B2F	0.54	0.42	0.95	441	19.8	1.55	92	43.99	3.86	2.9
1371	DP 164B2RF	0.53	0.41	0.93	397	13.3	1.40	97	44.08	4.32	3.3
1312	NM 03012	0.71	0.53	1.24	.	.	.	.	.	.	.
1322	DPL 143B2RF	0.70	0.54	1.23	442	21.3	1.58	90	44.72	3.92	2.8
1324	STV 5327B2RF	0.69	0.54	1.22	421	14.7	1.42	96	42.35	3.88	3.1
1166	PHYTOGEN 72	0.56	0.44	1.00	.	.	.	.	.	.	.
1323	STV 4554B2RF	0.69	0.53	1.22	413	16.5	1.47	95	44.47	4.17	3.2
1361	PHY 755WRF	0.54	0.42	0.97	444	23.5	1.63	89	45.89	4.00	2.8
1363	TAM 182-34 ELS	0.67	0.52	1.19	460	22.8	1.61	89	43.90	3.69	2.7
1354	ARK 0016-05-10	0.93	0.72	1.65	.	.	.	.	.	.	.
.	LSD	0.07	0.07	0.12	31.4	8.2	0.61	7	3.84	0.45	0.3

LOCATION=BOSSIER CITY, LA

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL		FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)				2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
1357	DP 174RF	1042	5.30	47.6	8.9	119	1.12	0.57	198	6.8	
1363	TAM 182-34 ELS	997	5.83	35.8	12.2	119	1.04	0.55	208	10.5	
1371	DP 164B2RF	931	5.37	39.7	8.6	115	1.10	0.56	192	7.3	
1354	ARK 0016-05-10	928	5.13	41.2	10.6	103	1.08	0.55	189	5.3	
1370	DP 161B2RF	926	4.73	40.0	8.4	119	1.14	0.57	194	7.0	
1323	STV 4554B2RF	909	4.77	41.7	9.2	150	1.16	0.59	257	8.3	
1355	ARK 0015-06-09	886	5.33	42.9	10.1	142	1.13	0.60	264	8.3	
1369	DP 141B2RF	857	4.90	41.8	8.3	114	1.16	0.57	189	9.3	
1356	ARK 0009-13-01	782	5.00	41.5	9.5	126	1.22	0.61	219	8.5	
1324	STV 5327B2RF	728	4.23	42.6	8.4	146	1.13	0.58	226	5.8	
1322	DPL 143B2RF	645	5.03	41.6	8.9	119	1.09	0.55	197	4.9	
1361	PHY 755WRF	636	4.57	36.9	9.2	117	1.00	0.54	210	9.0	
1362	RAIDER 276	635	5.63	36.4	11.5	137	1.10	0.59	237	8.0	
1359	MD5-4	627	4.03	40.8	8.1	141	1.08	0.56	205	5.5	
1372	MD25	614	5.17	42.5	9.3	120	1.07	0.56	199	7.8	
1270	DP 555BG/RR	563	4.70	44.1	7.7	.	.	.	.	.	.

1360	PHY 4815WRF	520	4.37	42.4	9.9	138	1.10	0.57	217	5.8
1358	FM 1740B2F	518	5.17	45.4	9.1	119	1.10	0.57	186	6.3
1166	PHYTOGEN 72	468	5.07	37.1	9.8	.	.	.	.	.
1352	FM 9180B2F	458	4.83	41.3	9.8	113	1.11	0.57	187	8.5
.	LSD	342	0.60	1.4	0.8	7	0.06	0.04	20	2.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1357	DP 174RF	5.40	1.10	83.0	32.0	6.9	77.0	6.6	5.60	1108	2.29	3.44
1363	TAM 182-34 ELS	5.35	1.05	82.7	35.0	8.0	75.0	7.7	5.35	2088	2.22	3.63
1371	DP 164B2RF	4.70	1.10	81.9	30.5	6.6	77.0	7.0	4.80	1329	2.05	3.67
1354	ARK 0016-05-10	5.10	1.10	81.5	32.0	6.5	77.5	6.7	5.30	1226	2.08	3.85
1370	DP 161B2RF	4.75	1.10	83.4	33.0	6.9	78.0	6.8	5.10	1296	2.19	3.33
1323	STV 4554B2RF	4.80	1.15	84.2	38.0	7.5	74.5	8.2	4.85	1349	2.44	3.85
1355	ARK 0015-06-09	4.75	1.10	83.4	37.5	7.2	74.5	8.0	4.85	984	2.23	3.68
1369	DP 141B2RF	4.90	1.10	83.4	29.5	7.5	76.0	7.5	5.10	1150	2.59	3.97
1356	ARK 0009-13-01	4.95	1.20	84.8	32.0	7.6	75.5	7.9	4.85	1041	2.35	3.88
1324	STV 5327B2RF	5.05	1.10	83.7	37.0	6.6	78.0	7.2	5.05	1016	2.18	3.77
1322	DPL 143B2RF	5.00	1.05	81.6	33.5	6.8	77.0	6.8	5.10	1083	2.88	3.59
1361	PHY 755WRF	5.05	1.00	81.8	35.5	7.9	76.0	7.8	5.00	1060	2.91	3.87
1362	RAIDER 276	5.10	1.10	83.5	37.5	7.5	76.0	7.5	5.25	1134	3.23	4.03
1359	MD5-4	4.90	1.10	82.8	36.0	6.7	77.5	6.4	4.95	1031	2.59	3.67
1372	MD25	5.30	1.10	83.6	33.5	7.0	78.5	6.7	5.30	788	2.11	3.75
1270	DP 555BG/RR	.	.	.	.	.	.	.	.	784	.	.
1360	PHY 4815WRF	4.30	1.10	82.8	38.0	7.0	76.5	7.4	4.50	702	2.50	4.19
1358	FM 1740B2F	5.60	1.10	83.6	34.0	6.9	77.5	6.1	5.65	640	1.79	3.59
1166	PHYTOGEN 72	.	.	.	.	.	.	.	.	816	.	.
1352	FM 9180B2F	5.05	1.10	82.3	30.0	7.2	76.0	7.4	5.10	576	2.06	4.24
.	LSD	0.45	0.06	2.3	2.2	0.6	2.2	0.7	0.42	546	0.46	0.25

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1357	DP 174RF	0.58	0.32	0.90	380	9.5	1.30	101	42.67	4.34	3.6
1363	TAM 182-34 ELS	0.72	0.41	1.13	381	12.0	1.36	98	44.76	4.55	3.5

1371	DP 164B2RF	0.79	0.44	1.22	401	14.0	1.41	97	44.06	4.24	3.3
1354	ARK 0016-05-10	0.54	0.30	0.83	376	11.3	1.34	99	44.62	4.59	3.6
1370	DP 161B2RF	0.83	0.46	1.29	398	18.0	1.51	94	47.55	4.62	3.2
1323	STV 4554B2RF	0.61	0.34	0.95	423	12.8	1.38	98	40.89	3.74	3.1
1355	ARK 0015-06-09	0.57	0.31	0.88	400	8.0	1.25	103	39.25	3.80	3.5
1369	DP 141B2RF	0.65	0.37	1.01	403	17.3	1.49	94	46.29	4.44	3.2
1356	ARK 0009-13-01	0.96	0.53	1.49	415	19.3	1.53	92	46.19	4.30	3.1
1324	STV 5327B2RF	0.64	0.36	1.00	397	17.0	1.48	94	46.89	4.57	3.3
1322	DPL 143B2RF	0.55	0.31	0.85	409	19.3	1.54	92	47.13	4.46	3.1
1361	PHY 755WRF	0.75	0.41	1.16	408	21.3	1.58	90	48.59	4.61	3.1
1362	RAIDER 276	0.62	0.34	0.95	388	16.0	1.46	95	47.27	4.72	3.4
1359	MD5-4	0.52	0.29	0.81	409	16.0	1.46	95	44.65	4.23	3.2
1372	MD25	0.66	0.37	1.02	373	11.3	1.34	99	45.09	4.69	3.6
1270	DP 555BG/RR	.	.	.	.	.	.	.	.	.	.
1360	PHY 4815WRF	0.63	0.35	0.98	438	18.5	1.52	93	43.56	3.86	2.9
1358	FM 1740B2F	0.57	0.32	0.88	375	8.8	1.27	102	42.62	4.39	3.7
1166	PHYTOGEN 72	.	.	.	.	.	.	.	.	.	.
1352	FM 9180B2F	0.59	0.33	0.92	393	17.3	1.49	94	47.56	4.68	3.3
.	LSD	0.11	0.11	0.17	25.2	7.0	0.17	6	4.89	0.58	0.3

LOCATION=STONEVILLE, MS

VARIETY	VARIETY	LINT	BOLL			YARN	DIGITAL	FIBROGRAPH	STELOMETER	
CODE	NAME	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(Mn/tex)	(INCHES)	(inches)	(mN/tex)	(%)
1370	DP 161B2RF	1789	5.19	44.4	8.9	129	1.20	0.60	208	6.8
1357	DP 174RF	1711	5.48	48.1	9.4	116	1.18	0.58	198	5.8
1355	ARK 0015-06-09	1690	5.97	45.3	10.4	117	1.23	0.61	196	8.0
1372	MD25	1682	5.59	43.4	10.2	155	1.22	0.64	246	7.4
1324	STV 5327B2RF	1673	5.14	45.0	9.0	132	1.17	0.62	219	8.8
1270	DP 555BG/RR	1668	4.87	46.6	8.1	120	1.13	0.55	211	5.3
1371	DP 164B2RF	1662	5.50	44.1	8.9	131	1.21	0.61	215	6.8
1369	DP 141B2RF	1589	5.01	43.9	8.7	122	1.21	0.60	216	7.3
1356	ARK 0009-13-01	1556	6.04	43.4	10.9	123	1.21	0.61	227	6.8
1358	FM 1740B2F	1553	5.60	46.0	10.4	128	1.15	0.60	224	5.8
1323	STV 4554B2RF	1467	5.74	44.2	9.9	120	1.15	0.59	205	10.5
1354	ARK 0016-05-10	1420	5.63	41.9	11.0	118	1.25	0.64	209	11.0
1359	MD5-4	1420	4.61	42.7	9.0	123	1.11	0.59	201	9.7
1322	DPL 143B2RF	1399	5.10	42.8	9.6	127	1.24	0.57	200	6.3
1352	FM 9180B2F	1287	4.89	41.8	11.7	139	1.21	0.62	238	6.0

1362	RAIDER 276	1213	5.69	38.8	11.4	148	1.24	0.61	204	5.9
1360	PHY 4815WRF	1198	5.15	43.9	10.9	141	1.26	0.69	224	8.9
1363	TAM 182-34 ELS	1126	6.54	37.1	12.8	171	1.40	0.70	259	4.9
1166	PHYTOGEN 72	869	5.08	40.7	10.7	148	1.28	0.64	255	7.8
1361	PHY 755WRF	851	4.74	38.4	10.6	156	1.30	0.64	235	9.8
.	LSD	127	0.48	0.7	0.6	6	0.03	0.03	14	1.5

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1370	DP 161B2RF	5.35	1.20	85.4	34.5	7.2	76.5	7.6	5.40	2282	3.17	2.55
1357	DP 174RF	5.30	1.20	85.8	29.5	6.9	74.5	8.7	5.20	1781	3.10	3.08
1355	ARK 0015-06-09	5.10	1.20	86.6	29.5	7.2	76.5	8.9	5.10	2096	2.49	3.02
1372	MD25	4.95	1.20	86.7	38.0	7.0	75.0	8.4	5.00	2326	4.13	2.89
1324	STV 5327B2RF	5.15	1.15	85.4	34.0	7.3	74.0	8.6	5.05	1996	4.57	2.59
1270	DP 555BG/RR	5.40	1.10	84.4	31.5	6.5	78.0	7.9	5.35	1862	3.34	2.98
1371	DP 164B2RF	5.45	1.20	85.3	32.5	6.9	76.5	8.4	5.40	2170	3.07	2.52
1369	DP 141B2RF	5.00	1.20	85.5	33.5	7.0	76.5	8.3	5.15	2100	2.77	2.56
1356	ARK 0009-13-01	5.30	1.20	86.6	34.5	7.1	78.0	8.1	5.40	2058	2.69	2.70
1358	FM 1740B2F	5.35	1.15	85.5	34.0	7.1	76.5	8.0	5.35	1841	3.23	2.74
1323	STV 4554B2RF	5.40	1.10	85.0	33.5	8.2	73.5	9.0	5.40	1858	4.37	2.47
1354	ARK 0016-05-10	5.10	1.20	86.4	32.0	7.9	72.0	9.2	5.20	1916	2.89	2.82
1359	MD5-4	4.95	1.10	84.6	34.0	7.7	76.0	8.6	5.15	1784	3.76	2.82
1322	DPL 143B2RF	4.85	1.20	85.6	31.5	6.8	76.5	8.1	4.85	1836	2.93	2.64
1352	FM 9180B2F	4.95	1.20	86.8	37.0	7.1	77.0	7.6	4.85	1679	3.48	2.85
1362	RAIDER 276	4.90	1.25	86.2	36.5	6.6	74.5	7.7	4.85	1849	4.74	2.54
1360	PHY 4815WRF	4.70	1.25	88.5	37.0	7.7	76.0	8.3	4.80	1597	4.07	3.02
1363	TAM 182-34 ELS	4.30	1.40	90.2	41.0	6.9	71.0	7.6	4.30	2045	4.93	2.97
1166	PHYTOGEN 72	4.95	1.25	86.7	38.0	7.3	69.0	9.4	5.00	1216	3.47	2.81
1361	PHY 755WRF	4.60	1.30	87.8	37.5	7.2	72.0	9.0	4.55	1408	3.79	2.58
.	LSD	0.31	0.07	1.4	1.4	0.5	3.8	0.8	0.23	366	0.60	0.21

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1370	DP 161B2RF	0.60	0.53	1.13	365	12.5	1.37	98	47.18	5.00	3.7

1357	DP 174RF	0.62	0.54	1.16	375	12.3	1.37	98	45.73	4.72	3.5
1355	ARK 0015-06-09	0.81	0.71	1.52	388	14.8	1.42	96	45.76	4.55	3.4
1372	MD25	0.82	0.71	1.53	393	14.8	1.43	96	45.61	4.49	3.3
1324	STV 5327B2RF	0.86	0.76	1.61	391	19.3	1.53	92	49.18	4.86	3.2
1270	DP 555BG/RR	0.66	0.58	1.24	373	12.5	1.37	98	46.12	4.78	3.6
1371	DP 164B2RF	0.60	0.53	1.13	372	11.8	1.36	99	45.68	4.75	3.6
1369	DP 141B2RF	0.74	0.65	1.38	370	14.3	1.42	97	48.13	5.04	3.5
1356	ARK 0009-13-01	0.65	0.57	1.22	361	10.3	1.31	100	45.47	4.87	3.8
1358	FM 1740B2F	0.62	0.55	1.16	383	19.8	1.55	92	50.65	5.11	3.3
1323	STV 4554B2RF	0.73	0.65	1.37	377	17.0	1.48	94	49.23	5.05	3.4
1354	ARK 0016-05-10	1.13	0.99	2.12	379	13.0	1.39	98	45.88	4.69	3.5
1359	MD5-4	0.85	0.74	1.59	397	23.0	1.62	89	51.06	4.98	3.1
1322	DPL 143B2RF	0.87	0.73	1.59	420	22.5	1.61	89	48.08	4.44	3.0
1352	FM 9180B2F	0.66	0.58	1.25	397	15.3	1.44	96	45.45	4.42	3.3
1362	RAIDER 276	0.71	0.62	1.33	411	18.5	1.52	93	46.36	4.37	3.1
1360	PHY 4815WRF	0.64	0.56	1.19	421	25.5	1.67	87	49.88	4.58	2.9
1363	TAM 182-34 ELS	0.73	0.65	1.38	453	22.8	1.61	89	44.62	3.81	2.8
1166	PHYTOGEN 72	0.66	0.58	1.24	396	18.5	1.52	93	48.12	4.71	3.2
1361	PHY 755WRF	0.63	0.56	1.19	446	25.3	1.67	87	46.94	4.08	2.8
.	LSD	0.09	0.09	0.18	24.6	7.2	0.17	6	3.85	0.38	0.4

LOCATION=JACKSON, TN

VARIETY	VARIETY	LINT	BOLL			YARN	DIGITAL	FIBROGRAPH	STELOMETER	
CODE	NAME	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(LB/ACRE)	(G/BOLL)	PERCENT	INDEX	(Mn/tex)	(INCHES	(inches)	(mN/tex)	(%)
1358	FM 1740B2F	1152	5.58	43.2	.	114	1.12	0.57	205	8.4
1354	ARK 0016-05-10	1148	5.90	42.9	.	108	1.22	0.60	188	9.0
1270	DP 555BG/RR	1124	4.88	42.6	.	114	1.10	0.56	205	7.3
1360	PHY 4815WRF	1121	5.40	41.9	.	128	1.18	0.62	217	12.5
1355	ARK 0015-06-09	1103	6.00	42.4	.	105	1.21	0.62	197	8.8
1324	STV 5327B2RF	1073	4.58	43.2	.	118	1.13	0.58	200	9.7
1166	PHYTOGEN 72	970	5.35	41.1	.	138	1.15	0.60	241	8.4
1371	DP 164B2RF	947	5.00	39.6	.	122	1.17	0.57	205	8.3
1359	MD5-4	945	4.90	40.6	.	111	1.08	0.58	193	11.0
1323	STV 4554B2RF	939	5.35	40.4	.	112	1.11	0.57	198	11.6
1322	DPL 143B2RF	934	5.95	37.9	.	118	1.20	0.57	201	7.9
1352	FM 9180B2F	928	4.30	40.2	.	124	1.15	0.59	236	5.8
1361	PHY 755WRF	904	4.95	38.6	.	140	1.25	0.64	227	11.0
1372	MD25	899	5.80	40.9	.	137	1.20	0.65	246	6.9

1369	DP 141B2RF	860	4.95	37.5	.	126	1.18	0.58	210	8.1
1370	DP 161B2RF	826	4.83	38.5	.	125	1.18	0.60	215	7.3
1356	ARK 0009-13-01	812	4.85	40.3	.	125	1.18	0.61	207	8.0
1357	DP 174RF	757	5.73	43.7	.	111	1.14	0.58	190	9.5
1362	RAIDER 276	736	5.40	36.0	.	129	1.20	0.60	203	8.8
1363	TAM 182-34 ELS	589	6.85	33.1	.	152	1.38	0.65	244	7.9
.	LSD	120	0.64	1.8	.	6	0.03	0.03	14	1.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1358	FM 1740B2F	4.00	1.10	84.6	28.8	6.7	79.0	7.6	4.08	1517	2.55	3.52
1354	ARK 0016-05-10	4.40	1.20	85.1	27.0	7.7	77.0	8.8	4.45	1527	2.28	3.50
1270	DP 555BG/RR	3.90	1.10	83.3	31.5	6.5	80.8	7.1	3.88	1512	2.24	3.63
1360	PHY 4815WRF	4.15	1.20	86.5	34.0	7.6	77.5	7.9	4.25	1554	3.38	3.26
1355	ARK 0015-06-09	4.20	1.20	84.8	26.5	7.0	78.0	8.3	4.30	1496	2.41	3.70
1324	STV 5327B2RF	4.05	1.13	84.8	30.3	7.0	78.8	8.4	4.20	1410	2.47	3.17
1166	PHYTOGEN 72	4.33	1.20	85.5	34.8	7.4	76.8	8.1	4.43	1390	2.45	3.45
1371	DP 164B2RF	3.75	1.15	83.9	29.3	6.5	79.8	7.7	3.83	1449	2.61	3.11
1359	MD5-4	3.60	1.05	83.3	29.0	7.1	79.0	7.8	3.80	1386	2.94	3.29
1323	STV 4554B2RF	4.38	1.10	83.5	30.3	8.0	76.8	8.3	4.40	1388	2.43	3.15
1322	DPL 143B2RF	3.40	1.20	83.7	29.3	6.4	79.0	7.6	3.55	1533	2.56	3.18
1352	FM 9180B2F	3.60	1.20	85.6	30.0	6.5	80.0	6.9	3.60	1383	2.87	2.98
1361	PHY 755WRF	3.70	1.25	86.7	31.5	6.9	79.0	7.7	3.80	1437	3.50	3.36
1372	MD25	4.20	1.20	85.8	35.5	6.9	77.0	7.9	4.35	1299	2.86	3.60
1369	DP 141B2RF	3.40	1.20	84.3	30.3	6.6	79.8	7.9	3.53	1436	2.39	3.06
1370	DP 161B2RF	4.10	1.20	85.2	31.3	6.9	79.8	7.8	4.18	1315	2.50	2.98
1356	ARK 0009-13-01	4.50	1.15	84.8	32.0	6.9	80.0	7.7	4.55	1209	2.45	3.37
1357	DP 174RF	4.40	1.13	84.4	27.8	7.0	77.0	8.2	4.35	976	2.69	3.43
1362	RAIDER 276	3.60	1.20	85.3	32.0	6.3	79.0	7.5	3.75	1311	2.21	3.05
1363	TAM 182-34 ELS	3.55	1.40	89.6	36.0	6.5	77.5	8.0	3.65	1190	2.28	3.33
.	LSD	0.36	0.04	1.1	1.6	0.5	2.3	0.4	0.34	179	0.57	0.23

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
--------------	--------------	----------	-----------	-----------	-------------	---	---	-------	-------------	-----------	-------------

1358	FM 1740B2F	0.65	0.47	1.11	489	44.3	2.02	74	51.98	4.13	2.4
1354	ARK 0016-05-10	1.09	0.78	1.86	449	32.8	1.82	81	50.89	4.40	2.7
1270	DP 555BG/RR	0.60	0.42	1.03	471	38.0	1.91	78	51.20	4.26	2.6
1360	PHY 4815WRF	0.75	0.53	1.28	460	30.8	1.78	83	48.51	4.08	2.7
1355	ARK 0015-06-09	0.72	0.51	1.23	467	36.0	1.88	79	50.53	4.19	2.6
1324	STV 5327B2RF	0.81	0.57	1.38	481	35.8	1.87	79	48.97	3.95	2.5
1166	PHYTOGEN 72	0.61	0.44	1.05	458	28.0	1.71	85	46.89	3.95	2.7
1371	DP 164B2RF	0.65	0.46	1.11	496	42.3	1.99	75	50.40	3.93	2.4
1359	MD5-4	0.83	0.58	1.41	513	45.8	2.05	72	50.31	3.81	2.3
1323	STV 4554B2RF	0.69	0.49	1.19	454	34.6	1.85	80	51.11	4.35	2.6
1322	DPL 143B2RF	0.80	0.57	1.37	531	46.0	2.06	72	48.65	3.55	2.2
1352	FM 9180B2F	0.78	0.55	1.32	524	42.0	1.98	75	47.57	3.50	2.2
1361	PHY 755WRF	0.59	0.41	1.00	500	35.5	1.87	79	46.97	3.64	2.4
1372	MD25	0.79	0.56	1.34	448	32.3	1.81	82	50.62	4.37	2.7
1369	DP 141B2RF	0.79	0.56	1.34	528	50.0	2.13	70	50.60	3.72	2.2
1370	DP 161B2RF	0.57	0.41	0.98	500	42.5	2.00	75	50.15	3.89	2.4
1356	ARK 0009-13-01	0.71	0.51	1.22	442	31.3	1.79	82	50.79	4.44	2.8
1357	DP 174RF	0.73	0.52	1.25	478	41.0	1.97	76	51.67	4.18	2.5
1362	RAIDER 276	0.73	0.52	1.24	502	40.5	1.96	76	49.13	3.79	2.4
1363	TAM 182-34 ELS	0.75	0.53	1.27	536	37.5	1.90	78	44.73	3.26	2.2
.	LSD	0.06	0.06	0.10	42.5	9.1	0.17	7	3.69	0.55	0.3

LOCATION=PORTAGEVILLE, MO

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1355	ARK 0015-06-09	1517	.	.	.	117	1.22	0.61	197	8.3
1357	DP 174RF	1481	.	.	.	123	1.18	0.59	202	7.8
1323	STV 4554B2RF	1472	.	.	.	122	1.17	0.58	200	8.7
1324	STV 5327B2RF	1430	.	.	.	132	1.15	0.59	225	6.8
1372	MD25	1430	.	.	.	156	1.21	0.63	251	7.8
1358	FM 1740B2F	1411	.	.	.	127	1.16	0.61	207	7.3
1371	DP 164B2RF	1386	.	.	.	136	1.23	0.61	224	6.8
1356	ARK 0009-13-01	1383	.	.	.	133	1.21	0.61	213	7.0
1354	ARK 0016-05-10	1363	.	.	.	123	1.23	0.61	207	8.0
1360	PHY 4815WRF	1355	.	.	.	138	1.17	0.62	225	7.3
1322	DPL 143B2RF	1308	.	.	.	131	1.23	0.58	212	8.0
1352	FM 9180B2F	1305	.	.	.	131	1.19	0.61	217	7.5
1370	DP 161B2RF	1283	.	.	.	140	1.23	0.63	230	8.3

1369	DP 141B2RF	1188	.	.	.	138	1.25	0.61	222	7.3
1270	DP 555BG/RR	1182	.	.	.	127	1.15	0.55	195	6.0
1359	MD5-4	995	.	.	.	124	1.10	0.57	218	10.5
1363	TAM 182-34 ELS	982	.	.	.	161	1.38	0.66	266	5.4
1166	PHYTOGEN 72	970	.	.	.	148	1.23	0.63	241	6.8
1362	RAIDER 276	951	.	.	.	150	1.23	0.62	237	4.3
1361	PHY 755WRF	864	.	.	.	150	1.26	0.63	258	7.2
.	LSD	118	.	.	.	7	0.04	0.02	12	1.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1355	ARK 0015-06-09	4.55	1.20	83.6	27.0	6.8	72.5	8.2	4.50	.	3.11	3.25
1357	DP 174RF	4.70	1.20	83.4	29.5	6.8	71.5	7.6	4.65	.	3.04	3.33
1323	STV 4554B2RF	5.20	1.20	83.4	31.0	7.3	69.0	8.8	4.90	.	2.62	3.29
1324	STV 5327B2RF	4.75	1.20	83.5	32.5	6.9	70.0	7.8	4.55	.	2.92	2.95
1372	MD25	4.80	1.20	84.4	38.0	7.1	70.0	7.1	4.65	.	2.83	3.29
1358	FM 1740B2F	5.10	1.20	82.7	32.0	6.7	73.5	7.6	4.85	.	2.82	3.13
1371	DP 164B2RF	4.60	1.25	84.0	33.5	6.7	71.5	7.8	4.40	.	2.74	2.76
1356	ARK 0009-13-01	4.70	1.20	83.6	33.0	6.6	73.0	7.8	4.50	.	2.68	2.53
1354	ARK 0016-05-10	4.60	1.20	83.8	29.5	7.1	70.0	8.7	4.50	.	3.12	3.08
1360	PHY 4815WRF	4.80	1.20	83.8	35.5	7.4	70.0	8.1	4.70	.	2.31	3.79
1322	DPL 143B2RF	4.40	1.30	82.6	29.0	5.9	70.0	6.9	4.20	.	2.82	2.65
1352	FM 9180B2F	4.60	1.20	84.3	33.0	6.6	73.0	7.8	4.50	.	3.05	2.73
1370	DP 161B2RF	4.70	1.30	84.7	34.0	6.9	72.0	7.9	4.55	.	2.59	3.06
1369	DP 141B2RF	4.50	1.30	84.3	32.0	6.5	68.0	7.3	4.40	.	2.68	2.92
1270	DP 555BG/RR	4.60	1.20	82.3	30.0	6.2	73.0	7.4	4.55	.	2.75	3.78
1359	MD5-4	4.70	1.10	82.4	32.5	7.4	69.5	7.2	4.60	.	2.66	3.48
1363	TAM 182-34 ELS	3.95	1.40	86.9	39.5	6.6	68.0	8.2	3.90	.	2.84	3.25
1166	PHYTOGEN 72	4.85	1.30	84.1	35.0	6.9	68.0	8.8	4.75	.	2.80	3.80
1362	RAIDER 276	4.35	1.30	84.6	36.0	6.5	72.5	7.6	4.35	.	2.54	3.18
1361	PHY 755WRF	4.70	1.30	84.6	35.0	7.1	68.0	9.2	4.65	.	2.83	3.14
.	LSD	0.36	0.03	0.9	2.5	0.3	2.8	1.3	0.32	.	0.50	0.45

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
--------------	--------------	----------	-----------	-----------	-------------	---	---	-------	-------------	-----------	-------------

1355	ARK 0015-06-09	0.65	0.54	1.19	446	31.5	1.79	83	50.45	4.37	2.7
1357	DP 174RF	0.50	0.42	0.92	436	27.5	1.71	85	49.22	4.36	2.8
1323	STV 4554B2RF	0.64	0.54	1.17	420	19.8	1.55	92	46.28	4.27	3.0
1324	STV 5327B2RF	0.63	0.52	1.15	430	24.3	1.64	88	47.98	4.32	2.9
1372	MD25	0.67	0.56	1.23	427	19.8	1.55	92	45.39	4.11	3.0
1358	FM 1740B2F	0.51	0.43	0.94	415	22.0	1.60	90	48.37	4.52	3.0
1371	DP 164B2RF	0.48	0.40	0.88	454	32.5	1.81	82	50.12	4.27	2.7
1356	ARK 0009-13-01	0.61	0.52	1.13	433	26.8	1.69	86	48.65	4.33	2.9
1354	ARK 0016-05-10	0.78	0.66	1.44	452	29.0	1.74	84	48.45	4.16	2.7
1360	PHY 4815WRF	0.57	0.48	1.05	427	22.5	1.61	89	47.22	4.28	3.0
1322	DPL 143B2RF	0.63	0.53	1.15	459	30.3	1.77	84	48.31	4.07	2.7
1352	FM 9180B2F	0.54	0.46	1.00	437	25.3	1.66	87	47.83	4.24	2.8
1370	DP 161B2RF	0.45	0.38	0.82	443	29.8	1.76	84	49.71	4.34	2.8
1369	DP 141B2RF	0.62	0.53	1.15	450	29.0	1.74	84	48.73	4.20	2.7
1270	DP 555BG/RR	0.51	0.40	0.91	433	24.3	1.64	88	47.54	4.25	2.9
1359	MD5-4	0.69	0.57	1.26	440	30.5	1.77	83	50.61	4.45	2.8
1363	TAM 182-34 ELS	0.61	0.51	1.12	504	26.5	1.69	86	42.13	3.24	2.4
1166	PHYTOGEN 72	0.56	0.45	1.01	419	19.5	1.54	92	46.21	4.27	3.1
1362	RAIDER 276	0.62	0.53	1.15	465	21.8	1.59	90	42.88	3.57	2.7
1361	PHY 755WRF	0.51	0.41	0.90	440	26.3	1.69	86	48.08	4.22	2.8
.	LSD	0.06	0.06	0.10	24.8	9.0	0.19	7	4.45	0.43	0.2

LOCATION=LAS CRUCES, NM

VARIETY CODE	VARIETY NAME	LINT	BOLL	YARN		DIGITAL	FIBROGRAPH	STELOMETER		
		YIELD (LB/ACRE)	SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	1437	5.03	46.9	.	107	1.15	0.55	200	6.7
1357	DP 174RF	1409	5.73	47.6	.	115	1.15	0.58	195	8.9
1324	STV 5327B2RF	1336	5.10	46.1	.	122	1.12	0.60	220	7.8
1360	PHY 4815WRF	1331	5.47	45.2	.	131	1.16	0.62	221	7.9
1369	DP 141B2RF	1307	4.90	43.0	.	109	1.21	0.58	204	9.1
1358	FM 1740B2F	1301	6.03	43.9	.	104	1.11	0.56	204	7.5
1166	PHYTOGEN 72	1288	5.40	45.1	.	133	1.17	0.59	241	9.2
1323	STV 4554B2RF	1262	5.37	44.5	.	109	1.12	0.57	208	9.3
1371	DP 164B2RF	1258	5.27	43.4	.	117	1.19	0.59	193	8.7
1370	DP 161B2RF	1255	5.33	44.3	.	117	1.21	0.59	201	8.7
1361	PHY 755WRF	1229	5.00	41.8	.	141	1.19	0.60	253	8.0
1322	DPL 143B2RF	1205	5.67	42.7	.	107	1.20	0.56	206	8.4

1354	ARK 0016-05-10	1196	5.77	48.9	.	110	1.17	0.57	189	10.5
1355	ARK 0015-06-09	1180	6.13	45.4	.	103	1.17	0.57	188	12.0
1372	MD25	1157	5.37	43.7	.	143	1.16	0.61	248	7.6
1356	ARK 0009-13-01	1152	5.90	41.3	.	118	1.18	0.58	207	7.2
1362	RAIDER 276	1139	5.90	41.2	.	128	1.22	0.61	212	5.0
1352	FM 9180B2F	1125	5.77	43.5	.	123	1.16	0.60	205	6.8
1359	MD5-4	1020	4.73	44.0	.	112	1.10	0.60	197	9.4
1363	TAM 182-34 ELS	790	6.23	38.4	.	141	1.36	0.65	239	7.0
.	LSD	233	0.49	4.1	.	5	0.03	0.03	16	2.4

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	4.80	1.15	84.0	29.5	6.5	80.0	7.4	4.95	1628	3.53	3.10
1357	DP 174RF	5.15	1.20	84.7	28.0	6.9	77.0	8.8	5.20	1548	3.10	3.37
1324	STV 5327B2RF	5.20	1.10	84.9	31.0	7.1	75.5	9.6	5.25	1564	2.65	2.86
1360	PHY 4815WRF	4.80	1.20	87.0	33.0	7.5	79.5	8.7	5.05	1614	2.44	3.44
1369	DP 141B2RF	4.70	1.20	83.9	28.5	6.8	78.0	8.6	4.80	1730	2.43	2.96
1358	FM 1740B2F	4.90	1.10	83.9	28.5	6.9	79.5	8.5	5.00	1655	2.89	2.90
1166	PHYTOGEN 72	5.05	1.15	85.0	34.0	7.4	76.0	9.2	5.05	1557	2.49	3.08
1323	STV 4554B2RF	5.35	1.10	84.8	30.5	8.0	75.5	9.2	5.50	1577	2.81	2.91
1371	DP 164B2RF	4.95	1.20	86.0	30.0	6.8	78.0	8.4	5.05	1641	2.90	3.02
1370	DP 161B2RF	5.30	1.20	85.9	31.0	6.8	79.0	8.6	5.30	1577	2.77	3.00
1361	PHY 755WRF	4.60	1.20	86.2	31.5	7.6	76.0	9.1	4.75	1706	2.46	2.99
1322	DPL 143B2RF	4.50	1.20	83.6	28.0	6.2	78.5	8.8	4.75	1611	2.75	3.06
1354	ARK 0016-05-10	5.00	1.20	85.7	28.0	7.8	77.5	9.1	5.05	1246	2.28	2.93
1355	ARK 0015-06-09	4.90	1.20	85.1	26.5	7.1	78.5	8.2	4.95	1418	2.59	3.23
1372	MD25	5.00	1.20	85.8	36.0	7.2	77.5	8.7	4.90	1491	2.54	2.98
1356	ARK 0009-13-01	5.45	1.20	85.5	31.5	7.1	78.5	8.4	5.60	1660	1.79	3.06
1362	RAIDER 276	4.95	1.20	85.0	32.5	6.5	78.5	8.5	4.95	1623	2.47	3.07
1352	FM 9180B2F	4.85	1.20	86.0	30.5	6.8	78.5	7.6	5.05	1462	2.17	3.10
1359	MD5-4	4.70	1.10	84.0	29.0	7.2	78.0	9.1	4.75	1299	2.37	3.33
1363	TAM 182-34 ELS	4.40	1.30	86.6	34.5	6.6	78.0	8.2	4.45	1264	2.99	2.98
.	LSD	0.29	0.05	1.6	2.2	0.4	2.5	0.9	0.27	267	0.56	0.26

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)

1270	DP 555BG/RR	0.67	0.47	1.14	407	17.5	1.49	94	46.08	4.39	3.2
1357	DP 174RF	0.64	0.46	1.09	398	13.8	1.40	97	44.21	4.29	3.3
1324	STV 5327B2RF	0.69	0.50	1.19	406	20.8	1.57	91	48.47	4.62	3.1
1360	PHY 4815WRF	0.61	0.45	1.06	404	16.3	1.47	95	45.48	4.36	3.2
1369	DP 141B2RF	0.77	0.55	1.32	415	17.0	1.48	94	44.88	4.19	3.1
1358	FM 1740B2F	0.62	0.46	1.08	426	20.3	1.56	91	45.90	4.17	3.0
1166	PHYTOGEN 72	0.67	0.47	1.14	408	10.3	1.31	100	40.33	3.82	3.4
1323	STV 4554B2RF	0.64	0.47	1.11	386	14.8	1.43	96	46.35	4.65	3.4
1371	DP 164B2RF	0.56	0.41	0.97	397	13.5	1.40	97	44.18	4.30	3.3
1370	DP 161B2RF	0.58	0.42	1.00	396	13.8	1.40	98	44.26	4.32	3.4
1361	PHY 755WRF	0.60	0.43	1.03	429	18.8	1.53	93	44.55	4.02	3.0
1322	DPL 143B2RF	0.76	0.54	1.30	440	18.8	1.52	93	43.46	3.82	2.9
1354	ARK 0016-05-10	0.76	0.54	1.30	408	17.8	1.50	93	46.19	4.38	3.1
1355	ARK 0015-06-09	0.69	0.50	1.19	414	18.0	1.51	93	45.67	4.27	3.1
1372	MD25	0.73	0.53	1.25	428	19.8	1.55	92	45.34	4.10	2.9
1356	ARK 0009-13-01	0.58	0.42	1.00	389	13.5	1.40	97	45.07	4.48	3.4
1362	RAIDER 276	0.70	0.51	1.20	415	16.3	1.47	95	44.38	4.14	3.1
1352	FM 9180B2F	0.58	0.42	1.00	415	17.8	1.50	93	45.35	4.23	3.1
1359	MD5-4	0.71	0.51	1.22	432	23.0	1.62	89	46.96	4.21	2.9
1363	TAM 182-34 ELS	0.69	0.50	1.19	451	17.8	1.50	94	41.78	3.58	2.9
.	LSD	0.08	0.08	0.14	21.1	6.8	0.16	6	4.62	0.50	0.3

LOCATION=KEISER, AR

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL	FIBROGRAPH	STELOMETER	
		YIELD (LB/ACRE)	SIZE (G/BOLL)			TENACITY (Mn/tex)	2.5% S.L. (INCHES)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1360	PHY 4815WRF	1311	4.85	42.8	9.3	132	1.20	0.59	217	9.8
1352	FM 9180B2F	1306	4.80	40.5	9.1	142	1.18	0.60	214	8.2
1324	STV 5327B2RF	1214	4.10	42.4	8.0	129	1.14	0.57	216	10.2
1357	DP 174RF	1185	5.45	43.6	9.6	135	1.18	0.58	224	8.9
1371	DP 164B2RF	1176	4.50	40.5	8.2	130	1.17	0.58	215	9.0
1270	DP 555BG/RR	1122	4.55	44.8	7.2	137	1.17	0.60	221	8.6
1361	PHY 755WRF	1113	4.90	38.3	9.1	149	1.25	0.63	230	9.9
1370	DP 161B2RF	1098	4.40	40.5	8.1	133	1.21	0.59	205	9.3
1369	DP 141B2RF	1096	4.35	39.9	7.7	139	1.18	0.58	225	8.9
1323	STV 4554B2RF	1067	4.35	40.6	8.8	128	1.12	0.56	214	10.4
1354	ARK 0016-05-10	980	4.95	41.2	10.6	130	1.20	0.60	214	9.1

1358	FM 1740B2F	950	4.80	42.8	9.1	151	1.26	0.62	247	7.8
1166	PHYTOGEN 72	934	4.35	41.9	8.5	157	1.18	0.65	264	10.5
1356	ARK 0009-13-01	933	5.15	39.3	10.5	136	1.18	0.60	230	7.7
1322	DPL 143B2RF	898	4.55	39.5	8.2	139	1.17	0.57	221	7.7
1372	MD25	831	4.80	41.2	9.7	151	1.22	0.59	219	5.5
1355	ARK 0015-06-09	831	4.60	41.7	9.6	122	1.19	0.60	215	9.1
1362	RAIDER 276	777	5.10	36.7	10.5	143	1.22	0.62	214	7.2
1359	MD5-4	773	4.00	41.2	8.1	127	1.14	0.57	196	8.5
1363	TAM 182-34 ELS	663	5.20	34.0	11.3	157	1.30	0.63	270	8.7
.	LSD	225	0.49	1.2	1.0	24	0.12	0.06	31	2.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1360	PHY 4815WRF	4.10	1.25	85.9	31.0	7.4	76.5	7.6	4.05	1685	2.31	3.26
1352	FM 9180B2F	3.75	1.20	85.9	32.5	7.1	77.5	7.3	3.65	1779	3.14	3.08
1324	STV 5327B2RF	3.95	1.20	85.7	30.5	7.1	76.5	7.7	3.90	1481	2.95	3.14
1357	DP 174RF	3.95	1.20	86.2	31.0	7.2	76.5	6.6	4.00	1698	3.36	3.25
1371	DP 164B2RF	4.20	1.15	83.7	31.0	6.6	77.5	7.0	4.15	1692	3.29	2.89
1270	DP 555BG/RR	3.80	1.15	84.0	33.0	6.5	77.0	7.0	3.90	1407	4.00	3.13
1361	PHY 755WRF	3.80	1.25	86.5	33.0	7.4	77.5	7.6	3.80	1515	2.85	2.99
1370	DP 161B2RF	3.90	1.25	85.5	32.0	6.8	76.5	7.0	3.90	1877	3.02	2.92
1369	DP 141B2RF	4.05	1.20	83.6	31.0	6.8	78.0	7.0	3.90	1328	2.88	3.06
1323	STV 4554B2RF	3.95	1.15	82.9	32.0	7.1	76.0	7.8	3.75	1535	3.15	3.17
1354	ARK 0016-05-10	4.10	1.25	85.5	29.5	7.3	77.5	7.4	4.10	1579	2.69	2.72
1358	FM 1740B2F	3.75	1.30	86.5	35.0	6.6	76.5	7.0	3.70	1344	3.07	3.34
1166	PHYTOGEN 72	3.95	1.20	84.5	33.5	7.1	75.5	7.9	4.00	1203	3.74	3.04
1356	ARK 0009-13-01	4.20	1.20	85.3	31.0	7.2	77.5	7.0	4.15	1435	2.71	3.09
1322	DPL 143B2RF	3.45	1.20	83.7	33.0	6.5	78.0	7.5	3.50	1114	3.17	2.84
1372	MD25	4.00	1.20	85.8	33.0	6.6	77.0	6.9	3.95	1238	2.22	3.22
1355	ARK 0015-06-09	3.50	1.20	84.3	27.5	6.8	78.5	7.8	3.65	1026	2.65	2.78
1362	RAIDER 276	4.10	1.25	85.5	33.0	6.6	77.5	7.0	3.90	1347	2.96	2.81
1359	MD5-4	3.55	1.15	84.5	28.0	6.9	77.5	7.8	3.60	1125	2.59	3.28
1363	TAM 182-34 ELS	3.45	1.35	87.4	35.0	6.8	74.5	7.7	3.45	1017	3.05	3.04
.	LSD	0.62	0.12	2.8	5.6	0.8	3.0	0.9	0.54	357	0.46	0.54

---GOSSYPOL LEVELS--- AREALOMETER DATA

VARIETY VARIETY PLUS MINUS TOTAL A D M p w t

CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---	I	(%)	(microns)	(mg/in)	(microns)	
1360	PHY 4815WRF	0.89	0.75	1.63	493	41.0	1.97	76	50.13	3.94	2.4
1352	FM 9180B2F	0.71	0.61	1.32	507	41.5	1.98	75	49.01	3.74	2.3
1324	STV 5327B2RF	0.78	0.66	1.44	487	37.8	1.91	78	49.34	3.93	2.5
1357	DP 174RF	0.65	0.56	1.21	474	37.3	1.90	78	50.47	4.13	2.5
1371	DP 164B2RF	0.64	0.54	1.18	473	29.5	1.75	84	46.46	3.80	2.6
1270	DP 555BG/RR	0.73	0.61	1.34	475	28.5	1.73	85	45.88	3.75	2.6
1361	PHY 755WRF	0.75	0.64	1.38	503	35.5	1.87	79	46.75	3.60	2.4
1370	DP 161B2RF	0.66	0.56	1.22	489	33.3	1.83	81	46.95	3.72	2.5
1369	DP 141B2RF	0.77	0.65	1.42	478	35.3	1.86	80	48.83	3.96	2.5
1323	STV 4554B2RF	0.73	0.61	1.34	486	37.5	1.91	78	49.25	3.92	2.5
1354	ARK 0016-05-10	0.92	0.77	1.69	488	39.5	1.94	77	50.00	3.96	2.5
1358	FM 1740B2F	0.66	0.56	1.22	502	31.0	1.78	83	44.60	3.44	2.4
1166	PHYTOGEN 72	0.67	0.56	1.23	485	35.0	1.86	80	48.21	3.85	2.5
1356	ARK 0009-13-01	0.70	0.60	1.30	447	30.3	1.76	84	49.09	4.25	2.8
1322	DPL 143B2RF	0.78	0.66	1.44	530	40.0	1.95	76	46.19	3.37	2.3
1372	MD25	0.69	0.58	1.27	473	26.5	1.69	86	45.17	3.74	2.6
1355	ARK 0015-06-09	0.77	0.66	1.43	489	31.5	1.78	83	45.57	3.63	2.6
1362	RAIDER 276	0.62	0.53	1.15	479	26.0	1.68	86	44.14	3.57	2.6
1359	MD5-4	0.74	0.62	1.36	490	43.8	2.02	74	51.81	4.10	2.4
1363	TAM 182-34 ELS	0.68	0.58	1.25	525	32.8	1.81	82	43.25	3.22	2.3
.	LSD	0.24	0.24	0.44	64.1	14.2	0.27	11	5.18	0.69	0.4

LOCATION=FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1357	DP 174RF	1887	6.30	45.9	10.4	115	1.14	0.59	187	7.3
1371	DP 164B2RF	1767	5.95	41.5	10.5	121	1.16	0.57	208	7.0
1355	ARK 0015-06-09	1742	6.28	44.2	11.4	112	1.17	0.58	182	9.8
1358	FM 1740B2F	1720	6.03	43.8	10.9	116	1.11	0.57	202	7.5
1270	DP 555BG/RR	1718	5.55	44.3	8.6	121	1.11	0.57	199	5.7
1369	DP 141B2RF	1685	5.80	40.2	9.9	125	1.20	0.59	189	7.9
1360	PHY 4815WRF	1673	5.70	42.3	11.3	123	1.12	0.58	209	7.8
1370	DP 161B2RF	1665	5.68	41.3	10.0	121	1.19	0.62	196	8.2
1372	MD25	1641	6.30	42.1	11.0	150	1.16	0.61	234	6.3
1322	DPL 143B2RF	1640	6.00	40.7	10.2	115	1.21	0.59	178	8.3

1356	ARK 0009-13-01	1636	6.35	42.4	11.6	122	1.15	0.58	183	5.2
1354	ARK 0016-05-10	1540	6.45	43.5	11.9	119	1.17	0.58	190	8.4
1324	STV 5327B2RF	1505	5.65	44.1	9.8	125	1.13	0.57	203	8.5
1352	FM 9180B2F	1501	6.00	41.5	11.5	128	1.18	0.60	209	6.8
1361	PHY 755WRF	1454	5.43	38.9	10.6	138	1.25	0.61	222	7.0
1166	PHYTOGEN 72	1446	5.25	41.2	10.6	132	1.14	0.58	220	6.8
1359	MD5-4	1423	5.00	43.1	8.9	115	1.06	0.56	201	8.5
1323	STV 4554B2RF	1409	5.88	42.5	11.0	105	1.11	0.58	188	10.0
1362	RAIDER 276	1397	6.25	38.0	11.8	141	1.19	0.59	218	5.8
1363	TAM 182-34 ELS	1186	5.95	36.3	14.1	156	1.34	0.65	251	5.3
.	LSD	253	0.54	0.8	0.5	9	0.04	0.04	15	1.6

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1357	DP 174RF	5.05	1.15	84.6	29.0	6.9	74.0	7.5	5.00	2225	3.11	3.46
1371	DP 164B2RF	5.25	1.20	84.9	31.0	7.1	76.0	7.7	5.20	2496	2.52	3.08
1355	ARK 0015-06-09	4.75	1.20	84.7	27.0	7.3	75.5	7.7	4.75	2203	2.70	2.96
1358	FM 1740B2F	4.75	1.10	84.1	31.0	6.8	76.0	7.7	4.75	2211	3.42	3.35
1270	DP 555BG/RR	5.05	1.15	83.7	29.5	6.5	77.0	7.7	4.80	2157	3.12	3.15
1369	DP 141B2RF	5.00	1.20	85.5	30.0	6.9	73.5	7.7	4.80	2510	2.42	3.49
1360	PHY 4815WRF	4.65	1.20	86.2	32.0	7.4	72.5	7.6	4.50	2275	3.24	3.54
1370	DP 161B2RF	5.25	1.20	85.8	31.5	7.1	75.0	7.8	5.25	2367	2.91	3.41
1372	MD25	4.70	1.20	86.5	35.0	7.2	75.0	7.6	4.70	2255	3.04	3.50
1322	DPL 143B2RF	4.55	1.20	84.6	29.0	6.5	75.5	7.7	4.40	2387	2.80	3.31
1356	ARK 0009-13-01	5.05	1.20	84.3	31.5	6.9	75.5	7.9	4.85	2226	2.60	3.25
1354	ARK 0016-05-10	5.15	1.20	84.7	28.5	7.5	74.5	8.7	5.05	2001	2.37	3.23
1324	STV 5327B2RF	4.75	1.20	85.4	32.0	6.9	74.5	8.3	4.80	1908	3.82	3.12
1352	FM 9180B2F	4.70	1.20	84.9	33.5	6.9	76.5	7.4	4.65	2121	3.12	3.24
1361	PHY 755WRF	4.45	1.25	85.6	34.5	7.1	72.0	8.4	4.35	2286	3.69	3.28
1166	PHYTOGEN 72	4.80	1.20	84.5	32.5	6.9	72.0	8.9	4.50	2060	2.84	3.53
1359	MD5-4	4.80	1.10	84.2	30.5	7.5	74.5	8.4	4.65	1877	3.06	3.39
1323	STV 4554B2RF	5.25	1.10	84.5	30.0	7.6	73.0	8.5	5.10	1910	3.54	3.17
1362	RAIDER 276	4.55	1.20	85.4	35.0	6.6	75.5	7.9	4.50	2282	3.81	3.28
1363	TAM 182-34 ELS	4.30	1.30	87.8	38.0	6.8	72.0	7.7	4.10	2076	3.93	3.60
.	LSD	0.37	0.05	1.5	3.0	0.6	2.6	0.8	0.26	361	0.64	0.34

---GOSSYPOL LEVELS--- -----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D I	M (%)	p (microns)	w (mg/in)	t (microns)	
1357	DP 174RF	0.63	0.52	1.15	410	19.3	1.54	92	47.01	4.43	3.1
1371	DP 164B2RF	0.58	0.47	1.05	393	12.8	1.38	98	44.01	4.35	3.4
1355	ARK 0015-06-09	0.73	0.60	1.32	423	25.5	1.66	87	49.35	4.51	3.0
1358	FM 1740B2F	0.65	0.53	1.18	423	33.5	1.83	81	54.34	4.97	2.8
1270	DP 555BG/RR	0.66	0.52	1.18	405	17.0	1.48	94	45.85	4.37	3.2
1369	DP 141B2RF	0.80	0.66	1.46	413	21.8	1.59	90	48.41	4.54	3.1
1360	PHY 4815WRF	0.84	0.68	1.52	426	28.0	1.72	86	50.28	4.55	2.9
1370	DP 161B2RF	0.63	0.51	1.14	401	23.3	1.62	89	50.81	4.91	3.1
1372	MD25	0.90	0.74	1.63	406	22.5	1.61	89	49.75	4.75	3.1
1322	DPL 143B2RF	0.90	0.74	1.64	442	25.3	1.67	87	47.29	4.14	2.8
1356	ARK 0009-13-01	0.74	0.60	1.34	411	25.3	1.67	87	50.93	4.80	3.0
1354	ARK 0016-05-10	1.05	0.88	1.93	420	26.8	1.70	86	50.76	4.68	3.0
1324	STV 5327B2RF	0.92	0.75	1.66	412	22.5	1.61	89	48.95	4.60	3.0
1352	FM 9180B2F	0.69	0.56	1.25	413	23.8	1.64	88	49.61	4.64	3.0
1361	PHY 755WRF	0.69	0.55	1.24	437	17.5	1.49	94	42.95	3.81	2.9
1166	PHYTOGEN 72	0.65	0.54	1.19	416	21.3	1.58	90	47.62	4.42	3.0
1359	MD5-4	0.90	0.73	1.63	416	31.3	1.79	82	53.88	5.01	2.9
1323	STV 4554B2RF	0.84	0.68	1.52	381	18.8	1.53	93	50.13	5.09	3.4
1362	RAIDER 276	0.83	0.67	1.50	437	24.3	1.64	88	47.23	4.18	2.8
1363	TAM 182-34 ELS	0.80	0.65	1.44	456	26.8	1.70	86	46.69	3.96	2.7
.	LSD	0.07	0.07	0.13	24.0	11.0	0.23	9	5.75	0.54	0.3

LOCATION=BELLE MINA, AL

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1270	DP 555BG/RR	868	4.18	44.8	8.2	122	1.06	0.53	181	6.8
1358	FM 1740B2F	841	5.00	45.3	9.4	124	1.13	0.56	201	7.8
1323	STV 4554B2RF	798	4.25	44.1	9.3	127	1.06	0.54	215	11.0
1357	DP 174RF	795	4.33	46.3	8.3	127	1.10	0.54	203	7.4
1322	DPL 143B2RF	770	4.53	41.4	9.3	127	1.13	0.52	199	8.2
1354	ARK 0016-05-10	759	4.70	43.1	9.4	128	1.17	0.57	189	8.8
1369	DP 141B2RF	738	4.10	41.6	8.1	127	1.11	0.53	211	8.4
1324	STV 5327B2RF	736	4.18	45.0	8.1	136	1.11	0.56	225	9.4

1361	PHY 755WRF	718	4.68	40.0	9.4	164	1.20	0.60	248	9.3
1372	MD25	705	4.75	42.1	9.4	158	1.14	0.58	237	6.4
1166	PHYTOGEN 72	701	4.75	41.6	9.9	155	1.11	0.57	243	9.8
1360	PHY 4815WRF	699	4.63	43.6	9.9	149	1.11	0.56	208	11.0
1356	ARK 0009-13-01	679	4.80	42.5	9.9	120	1.08	0.54	193	6.6
1370	DP 161B2RF	664	4.43	41.6	8.7	130	1.12	0.54	208	8.7
1371	DP 164B2RF	643	4.25	41.6	8.7	130	1.11	0.54	196	8.2
1363	TAM 182-34 ELS	639	5.10	38.4	11.3	173	1.30	0.63	267	6.3
1352	FM 9180B2F	635	4.75	42.5	9.8	144	1.14	0.56	228	7.7
1355	ARK 0015-06-09	628	4.45	44.5	8.9	116	1.13	0.55	182	9.8
1359	MD5-4	591	3.68	42.5	7.8	127	0.99	0.53	214	10.3
1362	RAIDER 276	587	4.83	39.0	10.9	158	1.13	0.55	229	5.8
.	LSD	162	0.48	1.1	0.9	11	0.06	0.03	17	1.9

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1270	DP 555BG/RR	4.85	1.00	81.8	29.5	6.5	78.5	8.0	4.95	1069	2.63	4.00
1358	FM 1740B2F	4.90	1.10	82.9	30.5	6.9	77.5	8.3	4.90	1015	2.41	3.87
1323	STV 4554B2RF	5.15	1.10	82.1	32.0	8.0	74.5	9.2	5.15	1013	3.45	3.64
1357	DP 174RF	4.75	1.10	82.5	30.0	6.8	77.0	8.4	4.60	923	1.77	4.20
1322	DPL 143B2RF	4.50	1.10	81.9	29.5	6.5	77.0	8.5	4.45	1088	1.69	3.95
1354	ARK 0016-05-10	4.50	1.15	83.5	31.0	7.6	74.5	9.6	4.40	1005	2.67	4.02
1369	DP 141B2RF	4.40	1.10	82.6	30.5	7.1	76.5	8.2	4.40	1041	2.72	3.69
1324	STV 5327B2RF	4.85	1.10	83.6	32.0	7.3	74.0	8.7	4.80	901	2.94	3.96
1361	PHY 755WRF	4.65	1.20	84.4	38.0	7.8	75.0	9.3	4.50	1074	3.57	3.84
1372	MD25	4.75	1.10	84.5	34.5	7.0	77.0	8.3	4.80	964	2.61	4.17
1166	PHYTOGEN 72	4.70	1.10	82.7	36.5	7.6	75.5	9.3	4.70	984	2.69	3.97
1360	PHY 4815WRF	5.00	1.15	85.4	34.0	7.8	76.5	8.7	4.95	910	3.26	4.11
1356	ARK 0009-13-01	5.30	1.10	83.0	32.0	6.9	78.0	8.5	5.25	920	2.90	3.95
1370	DP 161B2RF	5.30	1.10	83.2	33.0	7.0	77.5	8.3	5.15	933	2.55	3.87
1371	DP 164B2RF	5.00	1.10	82.8	30.0	6.9	77.0	8.7	5.00	903	2.13	3.68
1363	TAM 182-34 ELS	4.40	1.30	87.2	38.5	7.1	74.0	8.6	4.35	1025	3.23	3.85
1352	FM 9180B2F	4.75	1.10	82.7	34.0	7.0	78.5	7.9	4.60	858	3.09	3.79
1355	ARK 0015-06-09	4.85	1.10	82.3	27.0	7.6	75.5	8.9	4.95	782	2.89	4.39
1359	MD5-4	4.45	1.00	82.2	33.0	7.5	76.5	8.6	4.45	804	4.35	3.89
1362	RAIDER 276	4.75	1.20	83.6	34.5	6.6	77.5	8.2	4.80	918	2.79	3.84
.	LSD	0.47	0.05	1.6	3.1	0.4	1.8	0.7	0.41	222	0.69	0.19

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1270	DP 555BG/RR	0.53	0.40	0.93	409	24.3	1.65	88	50.45	4.77	3.0
1358	FM 1740B2F	0.52	0.41	0.93	406	23.3	1.62	89	50.13	4.78	3.1
1323	STV 4554B2RF	0.64	0.49	1.12	395	18.5	1.52	93	48.27	4.73	3.3
1357	DP 174RF	0.45	0.35	0.79	426	22.8	1.61	89	47.27	4.31	3.0
1322	DPL 143B2RF	0.67	0.52	1.19	445	28.3	1.73	85	48.72	4.24	2.8
1354	ARK 0016-05-10	0.66	0.52	1.18	447	35.3	1.86	80	52.30	4.52	2.7
1369	DP 141B2RF	0.57	0.45	1.02	416	21.8	1.59	90	48.04	4.48	3.0
1324	STV 5327B2RF	0.66	0.51	1.17	425	29.0	1.74	84	51.49	4.68	2.9
1361	PHY 755WRF	0.45	0.34	0.79	454	31.3	1.79	82	49.49	4.23	2.7
1372	MD25	0.60	0.47	1.07	421	23.3	1.63	89	48.50	4.47	3.0
1166	PHYTOGEN 72	0.43	0.33	0.75	428	18.3	1.51	93	44.27	4.00	3.0
1360	PHY 4815WRF	0.52	0.41	0.93	404	20.5	1.57	91	48.61	4.67	3.2
1356	ARK 0009-13-01	0.44	0.35	0.78	364	13.3	1.39	97	47.86	5.09	3.7
1370	DP 161B2RF	0.42	0.33	0.74	380	16.5	1.47	95	48.57	4.95	3.4
1371	DP 164B2RF	0.44	0.34	0.78	409	19.3	1.53	92	46.97	4.44	3.1
1363	TAM 182-34 ELS	0.60	0.47	1.07	449	26.8	1.69	86	47.21	4.06	2.8
1352	FM 9180B2F	0.54	0.43	0.97	414	21.3	1.58	90	47.87	4.48	3.1
1355	ARK 0015-06-09	0.48	0.38	0.86	407	18.8	1.53	93	47.01	4.47	3.1
1359	MD5-4	0.64	0.48	1.12	426	29.0	1.74	84	51.37	4.66	2.9
1362	RAIDER 276	0.58	0.45	1.03	415	18.3	1.51	93	45.74	4.27	3.1
.	LSD	0.07	0.07	0.13	33.9	9.4	0.20	8	3.97	0.47	0.3

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

[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**





2008 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, 2008
Yield, Boll, Seed, Spinning and Data**

2008 BLACKLANDS REGIONAL COTTON VARIETY TEST

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1344	FM 9058F	2329	4.75	31.9	10.9	145	1.15	0.55	211	5.4
1324	STV 5327B2RF	1349	4.70	33.1	10.0	134	1.13	0.57	212	7.8

1326	PHY 375WRF	1206	4.65	29.3	10.7	122	1.10	0.55	192	6.7
1347	AM 1532B2F	1190	4.65	30.2	10.3	123	1.15	0.57	189	7.8
1313	PHY 485WRF	1123	4.20	29.0	9.8	131	1.11	0.57	215	9.0
1323	STV 4554B2RF	1106	4.72	27.7	10.5	133	1.14	0.58	202	8.8
1367	DP 141B2F	1089	4.50	28.8	9.6	137	1.19	0.57	198	6.8
1270	DP 555BG/RR	1081	4.40	27.4	8.5	122	1.03	0.48	171	5.5
1346	FM 835LLB2	1067	5.35	29.2	11.9	158	1.16	0.57	219	6.9
1166	PHYTOGEN 72	904	4.80	23.8	11.4	153	1.19	0.60	238	7.5

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

VARIETY CODE	VARIETY NAME	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1344	FM 9058F	4.30	1.20	82.2	31.5	6.3	71.0	7.3	4.40	4901	2.80	3.77
1324	STV 5327B2RF	4.60	1.15	82.9	32.5	7.1	67.0	7.0	4.65	2724	3.03	3.76
1326	PHY 375WRF	4.85	1.15	82.3	28.0	6.6	71.5	7.1	4.85	2917	2.66	4.02
1347	AM 1532B2F	4.70	1.20	82.9	30.5	7.0	68.0	7.0	4.70	2749	2.75	3.84
1313	PHY 485WRF	4.70	1.15	83.2	34.0	8.0	67.5	6.7	4.80	2754	2.56	3.63
1323	STV 4554B2RF	5.10	1.20	83.2	31.0	7.6	67.0	7.1	5.00	2888	2.97	3.62
1367	DP 141B2F	4.40	1.20	84.0	32.5	6.7	71.0	6.7	4.25	2695	2.55	3.72
1270	DP 555BG/RR	4.60	1.00	78.6	31.0	6.2	72.0	7.9	4.70	2861	2.53	3.85
1346	FM 835LLB2	4.55	1.20	82.6	36.5	6.6	71.0	5.8	4.50	2591	3.41	3.74
1166	PHYTOGEN 72	4.50	1.20	83.9	37.0	7.1	70.0	7.0	4.55	2888	3.04	3.76

---GOSSYPOL LEVELS---

-----AREALOMETER DATA-----

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I (%)	p (microns)	w (mg/in)	t (microns)	
1344	FM 9058F	0.47	0.39	0.86	424	13.3	1.39	98	41.14	3.76	3.1
1324	STV 5327B2RF	0.75	0.58	1.33	418	21.8	1.59	90	47.85	4.44	3.0
1326	PHY 375WRF	0.72	0.56	1.28	416	20.8	1.57	91	47.34	4.40	3.0
1347	AM 1532B2F	0.70	0.55	1.24	430	23.8	1.63	88	47.69	4.29	2.9
1313	PHY 485WRF	0.86	0.67	1.52	415	20.5	1.57	91	47.28	4.41	3.1
1323	STV 4554B2RF	0.72	0.56	1.28	404	16.5	1.47	94	45.55	4.36	3.2
1367	DP 141B2F	0.70	0.54	1.24	434	26.5	1.69	86	48.98	4.37	2.9
1270	DP 555BG/RR	0.53	0.42	0.95	433	29.5	1.75	83	50.79	4.53	2.8

1346	FM 835LLB2	0.51	0.40	0.91	433	16.5	1.47	95	42.69	3.82	3.0
1166	PHYTOGEN 72	0.57	0.44	1.01	425	15.5	1.45	96	42.69	3.88	3.1

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
FM 9058F	4.75	FM 9058F	31.9	FM 9058F	10.9
STV 5327B2RF	4.70	STV 5327B2RF	33.1	STV 5327B2RF	10.0
PHY 375WRF	4.65	PHY 375WRF	29.3	PHY 375WRF	10.7
AM 1532B2F	4.65	AM 1532B2F	30.2	AM 1532B2F	10.3
PHY 485WRF	4.20	PHY 485WRF	29.0	PHY 485WRF	9.8
STV 4554B2RF	4.72	STV 4554B2RF	27.7	STV 4554B2RF	10.5
DP 141B2F	4.50	DP 141B2F	28.8	DP 141B2F	9.6
DP 555BG/RR	4.40	DP 555BG/RR	27.4	DP 555BG/RR	8.5
FM 835LLB2	5.35	FM 835LLB2	29.2	FM 835LLB2	11.9
PHYTOGEN 72	4.80	PHYTOGEN 72	23.8	PHYTOGEN 72	11.4

2.5% S.L. (INCHES)		UR (PERCENT)		STRENGTH (G/TEX)	
FM 9058F	1.20	FM 9058F	82.2	FM 9058F	31.5
STV 5327B2RF	1.15	STV 5327B2RF	82.9	STV 5327B2RF	32.5
PHY 375WRF	1.15	PHY 375WRF	82.3	PHY 375WRF	28.0
AM 1532B2F	1.20	AM 1532B2F	82.9	AM 1532B2F	30.5
PHY 485WRF	1.15	PHY 485WRF	83.2	PHY 485WRF	34.0
STV 4554B2RF	1.20	STV 4554B2RF	83.2	STV 4554B2RF	31.0
DP 141B2F	1.20	DP 141B2F	84.0	DP 141B2F	32.5
DP 555BG/RR	1.00	DP 555BG/RR	78.6	DP 555BG/RR	31.0
FM 835LLB2	1.20	FM 835LLB2	82.6	FM 835LLB2	36.5
PHYTOGEN 72	1.20	PHYTOGEN 72	83.9	PHYTOGEN 72	37.0

E

FM 9058F	6.3
STV 5327B2RF	7.1
PHY 375WRF	6.6
AM 1532B2F	7.0
PHY 485WRF	8.0
STV 4554B2RF	7.6
DP 141B2F	6.7
DP 555BG/RR	6.2
FM 835LLB2	6.6
PHYTOGEN 72	7.1

MICRONAIRE (SL-HVI)

FM 9058F	4.40
STV 5327B2RF	4.65
PHY 375WRF	4.85
AM 1532B2F	4.70
PHY 485WRF	4.80
STV 4554B2RF	5.00
DP 141B2F	4.25
DP 555BG/RR	4.70
FM 835LLB2	4.50
PHYTOGEN 72	4.55

COLORIMETER - Rd

FM 9058F	71.0
STV 5327B2RF	67.0
PHY 375WRF	71.5
AM 1532B2F	68.0
PHY 485WRF	67.5
STV 4554B2RF	67.0
DP 141B2F	71.0
DP 555BG/RR	72.0
FM 835LLB2	71.0
PHYTOGEN 72	70.0

COLORIMETER - b

FM 9058F	7.3
STV 5327B2RF	7.0
PHY 375WRF	7.1
AM 1532B2F	7.0
PHY 485WRF	6.7
STV 4554B2RF	7.1
DP 141B2F	6.7
DP 555BG/RR	7.9
FM 835LLB2	5.8
PHYTOGEN 72	7.0

MICRONAIRE

FM 9058F	4.30
STV 5327B2RF	4.60
PHY 375WRF	4.85
AM 1532B2F	4.70
PHY 485WRF	4.70
STV 4554B2RF	5.10
DP 141B2F	4.40
DP 555BG/RR	4.60
FM 835LLB2	4.55
PHYTOGEN 72	4.50

STELOMETER - E1

FM 9058F	5.4
STV 5327B2RF	7.8
PHY 375WRF	6.7
AM 1532B2F	7.8
PHY 485WRF	9.0
STV 4554B2RF	8.8
DP 141B2F	6.8
DP 555BG/RR	5.5
FM 835LLB2	6.9
PHYTOGEN 72	7.5

 STELOMETER - T1

FM 9058F	211
STV 5327B2RF	212
PHY 375WRF	192
AM 1532B2F	189
PHY 485WRF	215
STV 4554B2RF	202
DP 141B2F	198
DP 555BG/RR	171
FM 835LLB2	219
PHYTOGEN 72	238

 FIBROGRAPH - 50% S.L.

FM 9058F	0.55
STV 5327B2RF	0.57
PHY 375WRF	0.55
AM 1532B2F	0.57
PHY 485WRF	0.57
STV 4554B2RF	0.58
DP 141B2F	0.57
DP 555BG/RR	0.48
FM 835LLB2	0.57
PHYTOGEN 72	0.60

 FIBROGRAPH - 2.5% S.L.

FM 9058F	1.15
STV 5327B2RF	1.13
PHY 375WRF	1.10
AM 1532B2F	1.15
PHY 485WRF	1.11
STV 4554B2RF	1.14
DP 141B2F	1.19
DP 555BG/RR	1.03
FM 835LLB2	1.16
PHYTOGEN 72	1.19

 YARN TENACITY

FM 9058F	145
STV 5327B2RF	134
PHY 375WRF	122
AM 1532B2F	123
PHY 485WRF	131
STV 4554B2RF	133
DP 141B2F	137
DP 555BG/RR	122
FM 835LLB2	158
PHYTOGEN 72	153

 AREALOMETER - A (MM2/MM3)

FM 9058F	424
STV 5327B2RF	418
PHY 375WRF	416
AM 1532B2F	430
PHY 485WRF	415
STV 4554B2RF	404
DP 141B2F	434
DP 555BG/RR	433
FM 835LLB2	433
PHYTOGEN 72	425

 AREALOMETER - D (MM2/MM3)

FM 9058F	13.3
STV 5327B2RF	21.8
PHY 375WRF	20.8
AM 1532B2F	23.8
PHY 485WRF	20.5
STV 4554B2RF	16.5
DP 141B2F	26.5
DP 555BG/RR	29.5
FM 835LLB2	16.5
PHYTOGEN 72	15.5

 AREALOMETER - I

 AREALOMETER - M (PERCENT)

 AREALOMETER - P (MIC)???

FM 9058F	1.39
STV 5327B2RF	1.59
PHY 375WRF	1.57
AM 1532B2F	1.63
PHY 485WRF	1.57
STV 4554B2RF	1.47
DP 141B2F	1.69
DP 555BG/RR	1.75
FM 835LLB2	1.47
PHYTOGEN 72	1.45

FM 9058F	98
STV 5327B2RF	90
PHY 375WRF	91
AM 1532B2F	88
PHY 485WRF	91
STV 4554B2RF	94
DP 141B2F	86
DP 555BG/RR	83
FM 835LLB2	95
PHYTOGEN 72	96

FM 9058F	41.14
STV 5327B2RF	47.85
PHY 375WRF	47.34
AM 1532B2F	47.69
PHY 485WRF	47.28
STV 4554B2RF	45.55
DP 141B2F	48.98
DP 555BG/RR	50.79
FM 835LLB2	42.69
PHYTOGEN 72	42.69

AREALOMETER - W (MG/INCH)

AREALOMETER - t (MICRONS)

SEED YIELD (LB/ACRE)

FM 9058F	3.76
STV 5327B2RF	4.44
PHY 375WRF	4.40
AM 1532B2F	4.29
PHY 485WRF	4.41
STV 4554B2RF	4.36
DP 141B2F	4.37
DP 555BG/RR	4.53
FM 835LLB2	3.82
PHYTOGEN 72	3.88

FM 9058F	3.1
STV 5327B2RF	3.0
PHY 375WRF	3.0
AM 1532B2F	2.9
PHY 485WRF	3.1
STV 4554B2RF	3.2
DP 141B2F	2.9
DP 555BG/RR	2.8
FM 835LLB2	3.0
PHYTOGEN 72	3.1

FM 9058F	4901
STV 5327B2RF	2724
PHY 375WRF	2917
AM 1532B2F	2749
PHY 485WRF	2754
STV 4554B2RF	2888
DP 141B2F	2695
DP 555BG/RR	2861
FM 835LLB2	2591
PHYTOGEN 72	2888

OIL (PERCENT)

NITROGEN (PERCENT)

PLUS GOSSYPOL

FM 9058F	2.80
STV 5327B2RF	3.03
PHY 375WRF	2.66
AM 1532B2F	2.75
PHY 485WRF	2.56

FM 9058F	3.77
STV 5327B2RF	3.76
PHY 375WRF	4.02
AM 1532B2F	3.84
PHY 485WRF	3.63

FM 9058F	0.47
STV 5327B2RF	0.75
PHY 375WRF	0.72
AM 1532B2F	0.70
PHY 485WRF	0.86

STV 4554B2RF	2.97	STV 4554B2RF	3.62	STV 4554B2RF	0.72
DP 141B2F	2.55	DP 141B2F	3.72	DP 141B2F	0.70
DP 555BG/RR	2.53	DP 555BG/RR	3.85	DP 555BG/RR	0.53
FM 835LLB2	3.41	FM 835LLB2	3.74	FM 835LLB2	0.51
PHYTOGEN 72	3.04	PHYTOGEN 72	3.76	PHYTOGEN 72	0.57

 MINUS GOSSYPOL

 TOTAL GOSYPOL (PERCENT)

FM 9058F	0.39	FM 9058F	0.86
STV 5327B2RF	0.58	STV 5327B2RF	1.33
PHY 375WRF	0.56	PHY 375WRF	1.28
AM 1532B2F	0.55	AM 1532B2F	1.24
PHY 485WRF	0.67	PHY 485WRF	1.52
STV 4554B2RF	0.56	STV 4554B2RF	1.28
DP 141B2F	0.54	DP 141B2F	1.24
DP 555BG/RR	0.42	DP 555BG/RR	0.95
FM 835LLB2	0.40	FM 835LLB2	0.91
PHYTOGEN 72	0.44	PHYTOGEN 72	1.01

=====
 LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				PERCENT	INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(LB/ACRE)	(G/BOLL)			(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
DALLAS, TX	1244	4.67	29.0	10.3	135	1.13	0.56	204	7.2

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

LOCATION	MICRO NAIRE (reading)	2.5% S.L. (in.)	UNIFO- RMITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S RD	b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
DALLAS, TX	4.63	1.16	82.5	32.5	6.9	69.6	6.9	4.64	2997	2.83	3.77

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M %	p (microns)	w (mg/in)	t (microns)
DALLAS, TX	0.65	0.51	1.16	423	20.5	1.56	91	46.20	4.22	3.0

INDIVIDUAL LOCATIONS

LOCATION=DALLAS, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (LB/ACRE)	BOLL SIZE (G/BOLL)	LINT PERCENT	SEED INDEX	YARN TENACITY (Mn/tex)	DIGITAL 2.5% S.L. (INCHES)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1344	FM 9058F	2329	4.75	31.9	10.9	145	1.15	0.55	211	5.4
1324	STV 5327B2RF	1349	4.70	33.1	10.0	134	1.13	0.57	212	7.8
1326	PHY 375WRF	1206	4.65	29.3	10.7	122	1.10	0.55	192	6.7
1347	AM 1532B2F	1190	4.65	30.2	10.3	123	1.15	0.57	189	7.8
1313	PHY 485WRF	1123	4.20	29.0	9.8	131	1.11	0.57	215	9.0
1323	STV 4554B2RF	1106	4.72	27.7	10.5	133	1.14	0.58	202	8.8
1367	DP 141B2F	1089	4.50	28.8	9.6	137	1.19	0.57	198	6.8
1270	DP 555BG/RR	1081	4.40	27.4	8.5	122	1.03	0.48	171	5.5
1346	FM 835LLB2	1067	5.35	29.2	11.9	158	1.16	0.57	219	6.9
1166	PHYTOGEN 72	904	4.80	23.8	11.4	153	1.19	0.60	238	7.5
.	LSD	691	0.84	5.6	0.8	9	0.09	0.08	28	2.1

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY	VARIETY	MICRO	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED		NITR
CODE	NAME	NAIRE	S.L.	MITY	NGTH	HUNTER'S			NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)	E	RD	b	(Reading)	(lb/ac)	(%)	(%)
1344	FM 9058F	4.30	1.20	82.2	31.5	6.3	71.0	7.3	4.40	4901	2.80	3.77
1324	STV 5327B2RF	4.60	1.15	82.9	32.5	7.1	67.0	7.0	4.65	2724	3.03	3.76
1326	PHY 375WRF	4.85	1.15	82.3	28.0	6.6	71.5	7.1	4.85	2917	2.66	4.02
1347	AM 1532B2F	4.70	1.20	82.9	30.5	7.0	68.0	7.0	4.70	2749	2.75	3.84
1313	PHY 485WRF	4.70	1.15	83.2	34.0	8.0	67.5	6.7	4.80	2754	2.56	3.63
1323	STV 4554B2RF	5.10	1.20	83.2	31.0	7.6	67.0	7.1	5.00	2888	2.97	3.62
1367	DP 141B2F	4.40	1.20	84.0	32.5	6.7	71.0	6.7	4.25	2695	2.55	3.72
1270	DP 555BG/RR	4.60	1.00	78.6	31.0	6.2	72.0	7.9	4.70	2861	2.53	3.85
1346	FM 835LLB2	4.55	1.20	82.6	36.5	6.6	71.0	5.8	4.50	2591	3.41	3.74
1166	PHYTOGEN 72	4.50	1.20	83.9	37.0	7.1	70.0	7.0	4.55	2888	3.04	3.76
.	LSD	0.49	0.12	2.7	4.8	0.6	6.6	1.2	0.33	1316	0.56	0.19

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
1344	FM 9058F	0.47	0.39	0.86	424	13.3	1.39	98	41.14	3.76	3.1
1324	STV 5327B2RF	0.75	0.58	1.33	418	21.8	1.59	90	47.85	4.44	3.0
1326	PHY 375WRF	0.72	0.56	1.28	416	20.8	1.57	91	47.34	4.40	3.0
1347	AM 1532B2F	0.70	0.55	1.24	430	23.8	1.63	88	47.69	4.29	2.9
1313	PHY 485WRF	0.86	0.67	1.52	415	20.5	1.57	91	47.28	4.41	3.1
1323	STV 4554B2RF	0.72	0.56	1.28	404	16.5	1.47	94	45.55	4.36	3.2
1367	DP 141B2F	0.70	0.54	1.24	434	26.5	1.69	86	48.98	4.37	2.9
1270	DP 555BG/RR	0.53	0.42	0.95	433	29.5	1.75	83	50.79	4.53	2.8
1346	FM 835LLB2	0.51	0.40	0.91	433	16.5	1.47	95	42.69	3.82	3.0
1166	PHYTOGEN 72	0.57	0.44	1.01	425	15.5	1.45	96	42.69	3.88	3.1
.	LSD	0.09	0.09	0.16	29.8	6.6	0.16	6	4.51	0.59	0.3

[RETURN TO 2008 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](#)

[Publications of the Crop Genetics Research Unit](#)

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**
