



2006 National Cotton Variety Test

Crop Genetics & Production
Research Unit
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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, 2006
Yield, Boll, Seed, Spinning and Data

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Program Headquarters are located in the Crop Genetics & Production 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, 2006.

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

Issued November, 2007

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**United States Department of Agriculture
Agricultural Research Service
Crop Genetics & Production 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 2006

Test Results

[Eastern](#) Regional Cotton Variety Test

[Delta](#) Regional Cotton Variety Test

[Central](#) Regional Cotton Variety Test

[California](#) 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

2006 Regional [Short Season](#) Test Results

2006 [Bollworm-Budworm](#) Tests



LOCATIONS INCLUDED IN THE
2006 NATIONAL COTTON VARIETY TEST

PECOS, TX (IRR)
LUBBOCK, TX (IRR)
ALTUS, OK (IRR)
COLLEGE STATION, TX
WESLACO, TX
STONEVILLE, MS
JACKSON, TN
AUBURN, AL
FLORENCE, SC
ROCKY MOUNT, NC
MARICOPA, AZ
STARKVILLE, MS
BEEVILLE, TX
PORTAGEVILLE, MO
BELLE MINA, AL
GRIFFIN, GA
LAS CRUCES, NM
LAMESA, TX (DRY)
DALLAS, TX
THRALL, TX
KEISER, AR



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. Percy (USDA-ARS)
Arkansas -- F. M. Bourland
California -- S. Oakley
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New Mexico -- J. Zhang
North Carolina -- D. Bowman
Oklahoma -- M. Bayles
South Carolina -- T. Campbell
Tennessee -- O. Gwathmey
Texas -- J. R. Gannaway, and C. W. Smith

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

DP 555BR

-- Delta & Pine Land Company;

FM 960B2R

-- FiberMax

Phytogen 72

-- Phytogen;

PM 2167RR

-- Paymaster

Stoneville 4892BR

-- Stoneville Pedigreed Seed Company



Joint Cotton Breeding Policy Committee

(As of January 2006)

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
J. Radin, 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 2006)

D. M. Bassett, University of CA, U. S. Cotton Research Station, Shafter, CA
F. M. Bourland, University of Arkansas, Fayetteville, AR
D. Bowman, University of North Carolina, Rocky Mount, NC
T. Campbell, USDA, ARS, Florence, SC
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J. Dever, Bayer Crop Science
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C. Green, Delta & Pine Land Co., Hartsville, SC
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J. Mayhill, Monsanto
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S. R. Oakley, California Planting Cottonseed Distributors, Shafter, CA
T. Wallace, Mississippi State University, MS State, MS
J. Zhang, New Mexico Agricultural Experiment Station, Las Cruces, NM



National Cotton Variety Test Archive File

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

Cottonseed Quality Archive File	1977 - 2006
Yield Archive File	1960 - 2006
Fiber Quality Archive File	1960 - 2006
Pima Combed Yarn Archive File	1962 - 2006

Code Files:

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

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

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Introduction

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

National standard varieties are chosen for a 3-year testing cycle. For the sixteenth 3-year testing cycle, beginning in 2006, the national standards were DP 555BR, FM 960B2R, PHY 72, PM 2167RR and ST 4892BR. 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. With this new cycle, a fifth National Standard was added to the test. 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

California Cotton Variety Test (Upland Varieties)

Shafter Experiment Station	Shafter, CA
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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
<u>High Quality</u> 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 Safford, AZ Agricultural Research and Extension Center	College Station, TX Lubbock, TX

Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station Cotton Research Center Agricultural Research and Extension Center	Maricopa, AZ El Paso, TX
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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:

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

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 180øF for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. 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

Pima Region Test Results:

Only one location within the Pima Region reported results for the 2006 test.

Cotton varieties tested in the 2006 National Cotton Variety Tests:

2005 WAS THE FIRST YEAR OF AN ADDITIONAL NATIONAL STANDARD.
IN PREVIOUS YEARS THERE WERE FOUR NATIONAL STANDARDS.

VARIETY CODE	VARIETY NAME	REGIONAL TEST
1128	ACALA 1517-99	WESTERN
1274	AFD 3511RR	PLAINS
1212	ALL TEX ATLAS RR	PLAINS
1276	ALL-TEX EXCESS RR	PLAINS
1301	ARK 9610	HIGH QUALITY
1302	ARK JJ46	HIGH QUALITY
1275	BCG 24R	PLAINS

1300	COBALT	PIMA
1303	CS 37	HIGH QUALITY
1304	CS 38	HIGH QUALITY
1305	CS 44	HIGH QUALITY
1306	CS 45	HIGH QUALITY
1307	DP 143B2R	HIGH QUALITY
1308	DP 147RF	HIGH QUALITY
1272	DP 340	PIMA
1292	DP 393	DELTA,EASTERN
1315	DP 432R	EASTERN
1241	DP 444 BR	EASTERN
1269	DP 444BG/RR	DELTA
1224	DP 555 R/R	NATIONAL STANDARD; ALL REGIONS EXCEPT
PIMA		
1282	DPL 445BR	DELTA, EASTERN, HIGH QUALITY
1281	DPL 455BR	EASTERN, HIGH QUALITY
1201	DPL 491	BLACKLAND, CENTRAL
1182	DPL 744	PIMA
1169	FIBERMAX 958	PLAINS
1268	FM 5044RR	PLAINS
1296	FM 832LL	BLACKLAND, CENTRAL
1309	FM 9063B2F	HIGH QUALITY
1255	FM 960B2R	NATIONAL STANDARD; ALL REGIONS EXCEPT
PIMA		
1256	FM 960BR	EASTERN, HIGH QUALITY
1277	FM 989RR	WESTERN
1244	GA 200009	CENTRAL
1225	GA 98028	EASTERN
1310	MD 391	HIGH QUALITY
1312	NM 03012	HIGH QUALITY
1278	NM 03K1028	WESTERN
1279	NM 03K1155	WESTERN
1280	NM 03S1065	WESTERN
1311	NM 1155	HIGH QUALITY
1135	PAYMASTER 2326 RR	PLAINS
1318	PHY 310R	DELTA
1316	PHY 370WR	EASTERN
1298	PHY 410R	BLACKLAND
1313	PHY 485WRF	HIGH QUALITY
1314	PHY 745WRF	HIGH QUALITY
1273	PHY 800	PIMA
1317	PHY 810	PIMA
1166	PHYTOGEN 72	NATIONAL STANDARD; ALL REGIONS EXCEPT
PIMA		
615	PIMA S-7	PIMA
1214	PM 2167 RR	NATIONAL STANDARD; ALL REGIONS EXCEPT
PIMA		
1215	PM 2266 RR	PLAINS
1299	SG 215BG/RR	BLACKLAND
1251	ST 5599BR	BLACKLAND, CENTRAL, DELTA, EASTERN
1196	STV 4892 BR	NATIONAL STANDARD; ALL REGIONS EXCEPT
PIMA		
1295	STV 5242BR	EASTERN
1266	STV NG 2448R	PLAINS
1297	TAMCOT 22	BLACKLAND, CENTRAL



2006 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER
DR. J. CREECH

At the request of Dr. Creech, please access the 2006 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

[2006 REGIONAL SHORT SEASON TEST](#)

2006 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

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Other links:

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[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 and Production Research Unit sites**





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National Cotton Variety Tests, 2006
 Yield, Boll, Seed, Spinning and Data

2006 BLACKLANDS REGIONAL COTTON VARIETY TEST

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 (%)
1296	FM 832LL	417	4.13	42.2	9.3	151	1.15	0.56	217	5.4
1224	DP 555 R/R	240	3.61	46.8	6.4	94	1.00	0.48	168	5.0

1166	PHYTOGEN 72	228	3.77	42.4	8.6	154	1.08	0.54	228	6.9
1297	TAMCOT 22	220	3.53	44.9	7.9	105	1.03	0.50	192	5.6
1251	ST 5599BR	217	3.89	44.4	8.7	107	1.02	0.49	174	4.8
1298	PHY 410R	212	3.25	44.6	8.2	132	1.05	0.53	212	6.9
1196	STV 4892 BR	206	3.60	45.1	8.6	123	1.02	0.51	179	5.7
1201	DPL 491	203	3.42	45.4	7.6	113	1.09	0.51	181	5.0
1255	FM 960B2R	182	3.48	44.6	8.5	96	1.06	0.50	188	5.2
1299	SG 215BG/RR	173	3.52	44.9	7.9	93	1.02	0.49	165	5.9
1214	PM 2167 RR	168	3.19	42.4	8.1	104	0.97	0.49	159	5.8
.	LSD	118	.	.	0.7	25	0.04	0.03	26	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 (%)
1296	FM 832LL	4.15	1.15	83.1	31.0	7.2	70.5	7.6	4.10	641	18.56	3.54
1224	DP 555 R/R	4.48	1.00	79.8	25.3	5.8	67.8	8.3	4.75	474	14.44	3.52
1166	PHYTOGEN 72	4.40	1.10	82.1	31.5	7.7	62.8	9.4	4.35	695	17.95	3.51
1297	TAMCOT 22	3.95	1.03	79.9	24.8	6.8	65.5	8.9	3.93	486	19.32	3.65
1251	ST 5599BR	4.60	1.03	80.9	26.8	6.7	63.8	9.1	4.53	434	19.35	3.55
1298	PHY 410R	4.50	1.03	82.9	29.3	7.8	62.3	9.2	4.63	359	18.31	3.63
1196	STV 4892 BR	4.78	1.00	82.0	28.3	7.0	63.3	9.4	4.75	359	16.37	3.66
1201	DPL 491	4.40	1.05	81.2	28.5	6.7	63.0	9.2	4.45	369	16.25	3.47
1255	FM 960B2R	4.20	1.05	79.9	26.0	5.7	65.8	8.4	4.23	373	17.48	3.43
1299	SG 215BG/RR	4.60	0.98	82.0	24.8	7.1	65.8	9.2	4.58	275	15.73	3.49
1214	PM 2167 RR	4.38	0.95	81.3	26.5	6.7	61.3	9.1	4.55	391	18.97	3.88
.	LSD	0.50	0.07	1.1	2.8	0.3	3.9	0.8	0.48	.	1.97	0.22

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1296	FM 832LL	0.43	0.33	0.76	.	.	.	.	.	.	.
1224	DP 555 R/R	0.52	0.29	0.81	438	24.8	1.65	87	47.37	4.18	2.8
1166	PHYTOGEN 72	0.46	0.28	0.74	458	22.9	1.61	89	44.28	3.74	2.7
1297	TAMCOT 22	0.61	0.35	0.95	.	.	.	.	.	.	.
1251	ST 5599BR	0.73	0.31	1.04	.	.	.	.	.	.	.
1298	PHY 410R	0.65	0.34	1.00	.	.	.	.	.	.	.
1196	STV 4892 BR	0.67	0.36	1.03	434	26.1	1.68	86	48.68	4.33	2.8
1201	DPL 491	0.63	0.46	1.10	.	.	.	.	.	.	.
1255	FM 960B2R	0.42	0.30	0.72	469	30.1	1.76	83	47.39	3.92	2.6

1299	SG 215BG/RR	0.48	0.28	0.76	.	.	.	.	.	.
1214	PM 2167 RR	0.54	0.23	0.77	443	31.1	1.78	82	50.69	4.45	2.7
.	LSD	0.13	0.06	0.17	41.2	3.2	0.07	3	5.62	0.87	0.2

BOLL SIZE, GRAM PER BOLL	
FM 832LL	4.13
ST 5599BR	3.89
PHYTOGEN 72	3.77
DP 555 R/R	3.61
STV 4892 BR	3.60
TAMCOT 22	3.53
SG 215BG/RR	3.52
FM 960B2R	3.48
DPL 491	3.42
PHY 410R	3.25
PM 2167 RR	3.19
LSD	.

LINT PERCENT	
DP 555 R/R	46.8
DPL 491	45.4
STV 4892 BR	45.1
SG 215BG/RR	44.9
TAMCOT 22	44.9
PHY 410R	44.6
FM 960B2R	44.6
ST 5599BR	44.4
PM 2167 RR	42.4
PHYTOGEN 72	42.4
FM 832LL	42.2
LSD	.

SEED INDEX	
FM 832LL	9.3
ST 5599BR	8.7
STV 4892 BR	8.6
PHYTOGEN 72	8.6
FM 960B2R	8.5
PHY 410R	8.2
PM 2167 RR	8.1
SG 215BG/RR	7.9
TAMCOT 22	7.9
DPL 491	7.6
DP 555 R/R	6.4
LSD	0.7

2.5% S.L. (INCHES)	
FM 832LL	1.15
PHYTOGEN 72	1.10
FM 960B2R	1.05
DPL 491	1.05
ST 5599BR	1.03
PHY 410R	1.03
TAMCOT 22	1.03
STV 4892 BR	1.00
DP 555 R/R	1.00
SG 215BG/RR	0.98
PM 2167 RR	0.95
LSD	0.07

UR (PERCENT)	
FM 832LL	83.1
PHY 410R	82.9
PHYTOGEN 72	82.1
STV 4892 BR	82.0
SG 215BG/RR	82.0
PM 2167 RR	81.3
DPL 491	81.2
ST 5599BR	80.9
FM 960B2R	79.9
TAMCOT 22	79.9
DP 555 R/R	79.8
LSD	1.1

STRENGTH (G/TEX)	
PHYTOGEN 72	31.5
FM 832LL	31.0
PHY 410R	29.3
DPL 491	28.5
STV 4892 BR	28.3
ST 5599BR	26.8
PM 2167 RR	26.5
FM 960B2R	26.0
DP 555 R/R	25.3
SG 215BG/RR	24.8
TAMCOT 22	24.8
LSD	2.8

E	
PHY 410R	7.8
PHYTOGEN 72	7.7
FM 832LL	7.2
SG 215BG/RR	7.1
STV 4892 BR	7.0
TAMCOT 22	6.8
DPL 491	6.7
PM 2167 RR	6.7
ST 5599BR	6.7
DP 555 R/R	5.8
FM 960B2R	5.7
LSD	0.3

MICRONAIRE (SL-HVI)	
PM 2167 RR	5.20
STV 4892 BR	5.15
PHYTOGEN 72	4.75
FM 989RR	4.70
DP 555 R/R	4.55
FM 960B2R	4.55
NM 03S1065	4.45
NM 03K1028	4.40
ACALA 1517-99	4.35
NM 03K1155	3.80

COLORIMETER - Rd	
FM 832LL	70.5
DP 555 R/R	67.8
SG 215BG/RR	65.8
FM 960B2R	65.8
TAMCOT 22	65.5
ST 5599BR	63.8
STV 4892 BR	63.3
DPL 491	63.0
PHYTOGEN 72	62.8
PHY 410R	62.3
PM 2167 RR	61.3
LSD	3.9

COLORIMETER - b	
PHYTOGEN 72	8.9
STV 4892 BR	8.3
PM 2167 RR	8.2
ACALA 1517-99	7.9
NM 03S1065	7.7
FM 989RR	7.7
NM 03K1155	7.5
FM 960B2R	7.4
DP 555 R/R	7.2
NM 03K1028	7.1

MICRONAIRE	
STV 4892 BR	4.78
SG 215BG/RR	4.60
ST 5599BR	4.60
PHY 410R	4.50
DP 555 R/R	4.48
DPL 491	4.40
PHYTOGEN 72	4.40
PM 2167 RR	4.38
FM 960B2R	4.20
FM 832LL	4.15
TAMCOT 22	3.95
LSD	0.50

STELOMETER - E1	
PHY 410R	6.9
PHYTOGEN 72	6.9
SG 215BG/RR	5.9
PM 2167 RR	5.8
STV 4892 BR	5.7
TAMCOT 22	5.6
FM 832LL	5.4
FM 960B2R	5.2
DPL 491	5.0
DP 555 R/R	5.0
ST 5599BR	4.8
LSD	1.5

STELOMETER - T1	
PHYTOGEN 72	228
FM 832LL	217
PHY 410R	212
TAMCOT 22	192

FIBROGRAPH--50% S.L.	
FM 832LL	0.56
PHYTOGEN 72	0.54
PHY 410R	0.53
DPL 491	0.51

FIBROGRAPH--2.5% S.L.	
FM 832LL	1.15
DPL 491	1.09
PHYTOGEN 72	1.08
FM 960B2R	1.06

FM 960B2R	188
DPL 491	181
STV 4892 BR	179
ST 5599BR	174
DP 555 R/R	168
SG 215BG/RR	165
PM 2167 RR	159
LSD	26

STV 4892 BR	0.51
TAMCOT 22	0.50
FM 960B2R	0.50
ST 5599BR	0.49
PM 2167 RR	0.49
SG 215BG/RR	0.49
DP 555 R/R	0.48
LSD	0.03

PHY 410R	1.05
TAMCOT 22	1.03
STV 4892 BR	1.02
ST 5599BR	1.02
SG 215BG/RR	1.02
DP 555 R/R	1.00
PM 2167 RR	0.97
LSD	0.04

 YARN TENACITY

PHYTOGEN 72	154
FM 832LL	151
PHY 410R	132
STV 4892 BR	123
DPL 491	113
ST 5599BR	107
TAMCOT 22	105
PM 2167 RR	104
FM 960B2R	96
DP 555 R/R	94
SG 215BG/RR	93
LSD	25

 AREALOMETER - A (mm2/mm3)

DP 555 R/R	436
FM 960B2R	436
PHYTOGEN 72	425
STV 4892 BR	410
PM 2167 RR	396
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

 AREALOMETER - D (mm2/mm3)

PM 2167 RR	31.1
FM 960B2R	30.1
STV 4892 BR	26.1
DP 555 R/R	24.8
PHYTOGEN 72	22.9
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
SG 215BG/RR	.
LSD	3.2

 AREALOMETER - I

PM 2167 RR	1.78
FM 960B2R	1.76
STV 4892 BR	1.68
DP 555 R/R	1.65
PHYTOGEN 72	1.61
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.

 AREALOMETER - M (PERCENT)

PHYTOGEN 72	89
DP 555 R/R	87
STV 4892 BR	86
FM 960B2R	83
PM 2167 RR	82
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.

 AREALOMETER - p (Microns)

PM 2167 RR	50.69
STV 4892 BR	48.68
FM 960B2R	47.39
DP 555 R/R	47.37
PHYTOGEN 72	44.28
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.

SG 215BG/RR .
LSD 0.07

SG 215BG/RR .
LSD 3

SG 215BG/RR .
LSD 5.62

AREALOMETER - w (MG/INCH)

PM 2167 RR	4.45
STV 4892 BR	4.33
DP 555 R/R	4.18
FM 960B2R	3.92
PHYTOGEN 72	3.74
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
SG 215BG/RR	.
LSD	0.87

AREALOMETER - t (MICRONS)

DP 555 R/R	2.8
STV 4892 BR	2.8
PHYTOGEN 72	2.7
PM 2167 RR	2.7
FM 960B2R	2.6
FM 832LL	.
PHY 410R	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
SG 215BG/RR	.
LSD	0.2

SEED YIELD (LB/ACRE)

PHYTOGEN 72	695
FM 832LL	641
TAMCOT 22	486
DP 555 R/R	474
ST 5599BR	434
PM 2167 RR	391
FM 960B2R	373
DPL 491	369
PHY 410R	359
STV 4892 BR	359
SG 215BG/RR	275
LSD	.

OIL (PERCENT)

ST 5599BR	19.35
TAMCOT 22	19.32
PM 2167 RR	18.97
FM 832LL	18.56
PHY 410R	18.31
PHYTOGEN 72	17.95
FM 960B2R	17.48
STV 4892 BR	16.37
DPL 491	16.25
SG 215BG/RR	15.73
DP 555 R/R	14.44
LSD	1.97

NITROGEN (PERCENT)

PM 2167 RR	3.88
STV 4892 BR	3.66
TAMCOT 22	3.65
PHY 410R	3.63
ST 5599BR	3.55
FM 832LL	3.54
DP 555 R/R	3.52
PHYTOGEN 72	3.51
SG 215BG/RR	3.49
DPL 491	3.47
FM 960B2R	3.43
LSD	0.22

PLUS GOSSYPOL

ST 5599BR	0.73
STV 4892 BR	0.67
PHY 410R	0.65
DPL 491	0.63
TAMCOT 22	0.61
PM 2167 RR	0.54
DP 555 R/R	0.52
SG 215BG/RR	0.48
PHYTOGEN 72	0.46
FM 832LL	0.43
FM 960B2R	0.42
LSD	0.13

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
DPL 491	0.46	DPL 491	1.10
STV 4892 BR	0.36	ST 5599BR	1.04
TAMCOT 22	0.35	STV 4892 BR	1.03
PHY 410R	0.34	PHY 410R	1.00
FM 832LL	0.33	TAMCOT 22	0.95
ST 5599BR	0.31	DP 555 R/R	0.81
FM 960B2R	0.30	PM 2167 RR	0.77
DP 555 R/R	0.29	SG 215BG/RR	0.76
SG 215BG/RR	0.28	FM 832LL	0.76
PHYTOGEN 72	0.28	PHYTOGEN 72	0.74
PM 2167 RR	0.23	FM 960B2R	0.72
LSD	0.06	LSD	0.17

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)	(%)	
THRALL, TX	314	3.58	44.3	8.2	119	1.07	0.52	197	5.7	
DALLAS, TX	106	.	.	8.0	94	1.00	0.49	174	5.6	

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
	MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	E	COLORIMETER HUNTER'S	MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN	
	(reading)	(in.)	(%)	(g/tex)		Rd	b (Reading)	(lb/ac)	(%)	(%)	
THRALL, TX	4.17	1.05	81.9	27.6	7.0	71.0	8.8	4.22	441	16.89	3.45
DALLAS, TX	4.68	1.00	80.6	27.1	6.6	57.2	9.1	4.72	.	18.11	3.72

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M	p	w	t
				---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
THRALL, TX	0.53	0.33	0.86	462	28.5	1.73	84	47.13	3.95	2.6
DALLAS, TX	0.60	0.31	0.91	435	25.5	1.67	87	48.23	4.29	2.8

LOCATION=DALLAS, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH (2.5% S.L. 50% S.L.)		STELOMETER (T1 E1)	
						(inches)	(inches)	(mN/tex)	(%)	(%)
1299	SG 215BG/RR	149	.	.	7.9	88	1.01	0.48	163	5.2
1298	PHY 410R	139	.	.	8.2	.	1.03	0.52	195	6.7
1251	ST 5599BR	117	.	.	8.8	96	1.01	0.50	172	4.4
1196	STV 4892 BR	115	.	.	8.8	.	0.99	0.50	162	5.7
1224	DP 555 R/R	111	.	.	6.3	87	0.98	0.47	158	5.2
1201	DPL 491	104	.	.	7.7	111	1.05	0.50	180	4.8
1297	TAMCOT 22	101	.	.	7.4	.	1.00	0.48	173	5.0
1255	FM 960B2R	93	.	.	8.8	.	1.01	0.49	181	5.8
1214	PM 2167 RR	65	.	.	8.0	90	0.94	0.48	136	6.4
1166	PHYTOGEN 72	63	.	.	8.4	.	1.04	0.51	223	7.3
.	LSD	41	.	.	0.9	.	0.05	0.03	35	1.6

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)	SEED E	COLORIMETER HUNTER'S (Rd b)	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1299	SG 215BG/RR	4.85	0.95	81.1	25.0	6.9	59.0	9.1	4.85	.	16.82	3.74
1298	PHY 410R	4.65	1.00	82.5	29.0	7.6	56.5	9.2	4.80	.	18.87	3.74
1251	ST 5599BR	5.05	1.00	80.8	27.0	6.6	58.5	9.5	4.80	.	20.70	3.65
1196	STV 4892 BR	4.95	1.00	80.9	27.0	6.7	56.0	9.3	4.80	.	17.40	3.76
1224	DP 555 R/R	4.80	1.00	79.3	25.0	5.6	61.0	8.2	5.30	.	14.37	3.60
1201	DPL 491	4.50	1.00	81.2	29.0	6.5	55.5	9.6	4.65	.	16.86	3.71
1297	TAMCOT 22	3.95	1.00	79.3	24.0	6.4	60.0	9.1	4.00	.	19.74	3.86
1255	FM 960B2R	4.60	1.00	79.1	28.0	5.7	57.0	8.6	4.50	.	18.86	3.59
1214	PM 2167 RR	4.85	0.90	80.5	25.5	6.6	54.0	9.6	4.95	.	20.00	3.97
1166	PHYTOGEN 72	4.60	1.10	81.6	31.0	7.5	54.0	9.3	4.50	.	17.45	3.60
.	LSD	0.18	0.07	1.5	3.3	0.8	4.0	1.1	0.52	.	1.36	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)
1299	SG 215BG/RR	0.51	0.28	0.79	.	.	.	.	.	.	.
1298	PHY 410R	0.69	0.34	1.03	.	.	.	.	.	.	.
1251	ST 5599BR	0.76	0.32	1.08	.	.	.	.	.	.	.
1196	STV 4892 BR	0.67	0.33	1.00	431	24.5	1.65	88	48.12	4.32	2.9
1224	DP 555 R/R	0.56	0.30	0.86	428	22.5	1.61	89	47.12	4.26	2.9
1201	DPL 491	0.67	0.45	1.12	.	.	.	.	.	.	.
1297	TAMCOT 22	0.56	0.30	0.86	.	.	.	.	.	.	.
1255	FM 960B2R	0.53	0.30	0.83	446	30.0	1.76	83	49.60	4.29	2.7
1214	PM 2167 RR	0.58	0.24	0.82	417	29.5	1.75	84	52.79	4.90	2.9
1166	PHYTOGEN 72	0.47	0.26	0.72	454	21.0	1.57	91	43.53	3.71	2.8
.	LSD	0.13	0.13	0.20	20.0	11.2	0.24	9	7.64	0.79	0.2

LOCATION=THRALL, TX

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 (%)
1296	FM 832LL	417	4.13	42.2	9.3	151	1.15	0.56	217	5.4
1166	PHYTOGEN 72	393	3.77	42.4	8.8	154	1.13	0.56	233	6.4
1224	DP 555 R/R	370	3.61	46.8	6.4	101	1.02	0.49	178	4.8
1297	TAMCOT 22	339	3.53	44.9	8.5	105	1.06	0.51	212	6.3
1251	ST 5599BR	316	3.89	44.4	8.6	117	1.04	0.49	176	5.2
1201	DPL 491	302	3.42	45.4	7.4	116	1.12	0.53	183	5.3
1196	STV 4892 BR	298	3.60	45.1	8.4	123	1.06	0.53	196	5.7
1298	PHY 410R	284	3.25	44.6	8.2	132	1.08	0.54	229	7.1
1255	FM 960B2R	270	3.48	44.6	8.2	96	1.11	0.50	195	4.6
1214	PM 2167 RR	270	3.19	42.4	8.3	117	1.01	0.51	181	5.2
1299	SG 215BG/RR	196	3.52	44.9	8.0	98	1.03	0.50	167	6.6
.	LSD	124	0.66	1.7	1.0	13	0.04	0.02	25	0.9

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	HUNTER'S	NAIRE	YIELD	NAIRE (Reading)	YIELD (lb/ac)		
1296	FM 832LL	4.15	1.15	83.1	31.0	7.2	70.5	7.6	4.10	641	18.56	3.54

1166	PHYTOGEN 72	4.20	1.10	82.7	32.0	7.9	71.5	9.5	4.20	695	18.45	3.43
1224	DP 555 R/R	4.15	1.00	80.4	25.5	6.0	74.5	8.5	4.20	474	14.51	3.45
1297	TAMCOT 22	3.95	1.05	80.4	25.5	7.1	71.0	8.7	3.85	486	18.89	3.45
1251	ST 5599BR	4.15	1.05	80.9	26.5	6.7	69.0	8.7	4.25	434	18.00	3.45
1201	DPL 491	4.30	1.10	81.3	28.0	6.9	70.5	8.9	4.25	369	15.64	3.23
1196	STV 4892 BR	4.60	1.00	83.1	29.5	7.4	70.5	9.5	4.70	359	15.33	3.56
1298	PHY 410R	4.35	1.05	83.4	29.5	8.0	68.0	9.2	4.45	359	17.75	3.53
1255	FM 960B2R	3.80	1.10	80.8	24.0	5.8	74.5	8.2	3.95	373	16.11	3.27
1214	PM 2167 RR	3.90	1.00	82.1	27.5	6.8	68.5	8.6	4.15	391	17.93	3.80
1299	SG 215BG/RR	4.35	1.00	82.8	24.5	7.4	72.5	9.4	4.30	275	14.63	3.24
.	LSD	0.72	0.10	1.4	2.3	0.6	3.4	0.7	0.54	274	0.91	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)
1296	FM 832LL	0.43	0.33	0.76	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.46	0.30	0.76	462	24.8	1.66	88	45.03	3.77	2.7
1224	DP 555 R/R	0.49	0.28	0.77	449	27.0	1.70	86	47.62	4.11	2.8
1297	TAMCOT 22	0.65	0.40	1.05	.	.	.	.	.	.	.
1251	ST 5599BR	0.69	0.31	1.00	.	.	.	.	.	.	.
1201	DPL 491	0.60	0.48	1.08	.	.	.	.	.	.	.
1196	STV 4892 BR	0.68	0.40	1.07	438	27.8	1.72	85	49.24	4.34	2.8
1298	PHY 410R	0.62	0.35	0.97	.	.	.	.	.	.	.
1255	FM 960B2R	0.31	0.31	0.62	492	30.3	1.77	83	45.18	3.56	2.5
1214	PM 2167 RR	0.50	0.23	0.73	470	32.8	1.82	81	48.59	4.00	2.6
1299	SG 215BG/RR	0.45	0.29	0.74	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.10	21.5	4.1	0.08	4	2.64	0.35	0.2

[RETURN TO 2006 NCVT COVER PAGE](#)



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



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**National Cotton Variety Tests, 2006
Yield, Boll, Seed, Spinning and Data**

2006 CENTRAL REGIONAL COTTON VARIETY TEST

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1251	ST 5599BR	1160	5.68	40.3	10.4	115	1.11	0.53	207	6.1
1201	DPL 491	1041	5.27	40.2	9.4	129	1.18	0.55	221	6.0

1196	STV 4892 BR	1034	5.05	39.5	10.0	121	1.10	0.55	204	6.7
1296	FM 832LL	1011	5.76	37.8	10.9	140	1.18	0.57	238	5.8
1224	DP 555 R/R	992	4.10	41.3	8.0	106	1.07	0.50	197	5.9
1255	FM 960B2R	972	4.89	37.8	10.8	126	1.13	0.54	218	6.1
1244	GA 200009	926	.	.	.	.	.	.	.	.
1297	TAMCOT 22	923	5.05	39.5	9.4	109	1.13	0.54	187	7.7
1214	PM 2167 RR	832	4.83	36.9	10.4	120	1.03	0.54	202	6.7
1166	PHYTOGEN 72	792	4.95	36.8	10.0	141	1.17	0.59	251	7.4
.	LSD	181	0.48	1.5	1.1	9	0.03	0.02	20	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 (%)
1251	ST 5599BR	4.93	1.08	82.6	30.5	7.4	68.8	7.7	4.98	1759	21.32	3.57
1201	DPL 491	4.75	1.17	82.7	32.2	7.3	70.3	7.5	4.77	1604	17.58	3.72
1196	STV 4892 BR	4.87	1.10	83.5	30.0	7.7	68.2	7.4	4.97	1815	18.54	3.60
1296	FM 832LL	4.52	1.17	83.6	33.5	7.4	69.2	6.7	4.58	1776	20.34	3.52
1224	DP 555 R/R	4.80	1.07	80.6	29.3	6.8	70.8	6.8	4.82	1386	16.89	3.72
1255	FM 960B2R	4.53	1.13	81.7	32.2	7.4	71.5	7.4	4.52	1816	20.52	3.45
1244	GA 200009	.	.	.	.	.	.	.	.	.	.	.
1297	TAMCOT 22	4.23	1.12	81.9	27.7	7.3	71.7	8.2	4.35	1532	20.35	3.89
1214	PM 2167 RR	4.63	0.98	82.9	30.2	7.8	68.7	7.8	4.87	1468	21.48	3.79
1166	PHYTOGEN 72	4.40	1.17	83.3	34.2	8.0	68.5	7.9	4.52	1484	20.03	3.67
.	LSD	0.41	0.06	1.0	2.6	0.5	2.6	0.6	0.48	288	1.27	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)
1251	ST 5599BR	0.92	0.48	1.39	.	.	.	.	.	.	.
1201	DPL 491	0.68	0.57	1.24	.	.	.	.	.	.	.
1196	STV 4892 BR	0.90	0.56	1.46	408	22.8	1.61	89	49.55	4.70	3.0
1296	FM 832LL	0.51	0.42	0.93	.	.	.	.	.	.	.
1224	DP 555 R/R	0.54	0.37	0.91	422	22.2	1.60	90	47.55	4.37	3.0
1255	FM 960B2R	0.63	0.46	1.09	433	25.8	1.67	87	48.33	4.32	2.9
1244	GA 200009	.	.	.	.	.	.	.	.	.	.
1297	TAMCOT 22	0.73	0.48	1.21	.	.	.	.	.	.	.
1214	PM 2167 RR	0.69	0.34	1.04	407	23.7	1.63	88	50.34	4.79	3.1
1166	PHYTOGEN 72	0.59	0.42	1.01	435	17.2	1.48	94	42.90	3.82	3.0
.	LSD	0.13	0.06	0.18	35.3	9.1	0.19	7	3.25	0.44	0.3

BOLL SIZE, GRAM PER BOLL	
FM 832LL	5.76
ST 5599BR	5.68
DPL 491	5.27
STV 4892 BR	5.05
TAMCOT 22	5.05
PHYTOGEN 72	4.95
FM 960B2R	4.89
PM 2167 RR	4.83
DP 555 R/R	4.10
GA 200009	.
LSD	0.48

LINT PERCENT	
DP 555 R/R	41.3
ST 5599BR	40.3
DPL 491	40.2
TAMCOT 22	39.5
STV 4892 BR	39.5
FM 832LL	37.8
FM 960B2R	37.8
PM 2167 RR	36.9
PHYTOGEN 72	36.8
GA 200009	.
LSD	1.5

SEED INDEX	
FM 832LL	10.9
FM 960B2R	10.8
ST 5599BR	10.4
PM 2167 RR	10.4
PHYTOGEN 72	10.0
STV 4892 BR	10.0
DPL 491	9.4
TAMCOT 22	9.4
DP 555 R/R	8.0
GA 200009	.
LSD	1.1

2.5% S.L. (INCHES)	
FM 832LL	1.17
PHYTOGEN 72	1.17
DPL 491	1.17
FM 960B2R	1.13
TAMCOT 22	1.12
STV 4892 BR	1.10
ST 5599BR	1.08
DP 555 R/R	1.07
PM 2167 RR	0.98
GA 200009	.
LSD	0.06

UR (PERCENT)	
FM 832LL	83.6
STV 4892 BR	83.5
PHYTOGEN 72	83.3
PM 2167 RR	82.9
DPL 491	82.7
ST 5599BR	82.6
TAMCOT 22	81.9
FM 960B2R	81.7
DP 555 R/R	80.6
GA 200009	.
LSD	1.0

STRENGTH (G/TEX)	
PHYTOGEN 72	34.2
FM 832LL	33.5
DPL 491	32.2
FM 960B2R	32.2
ST 5599BR	30.5
PM 2167 RR	30.2
STV 4892 BR	30.0
DP 555 R/R	29.3
TAMCOT 22	27.7
GA 200009	.
LSD	2.6

E	
PHYTOGEN 72	8.0
PM 2167 RR	7.8
STV 4892 BR	7.7
FM 960B2R	7.4
FM 832LL	7.4
ST 5599BR	7.4
DPL 491	7.3
TAMCOT 22	7.3
DP 555 R/R	6.8
GA 200009	.
LSD	0.5

MICRONAIRE (SL-HVI)	
ST 5599BR	4.98
STV 4892 BR	4.97
PM 2167 RR	4.87
DP 555 R/R	4.82
DPL 491	4.77
FM 832LL	4.58
PHYTOGEN 72	4.52
FM 960B2R	4.52
TAMCOT 22	4.35
GA 200009	.
LSD	0.48

COLORIMETER - Rd	
TAMCOT 22	71.7
FM 960B2R	71.5
DP 555 R/R	70.8
DPL 491	70.3
FM 832LL	69.2
ST 5599BR	68.8
PM 2167 RR	68.7
PHYTOGEN 72	68.5
STV 4892 BR	68.2
GA 200009	.
LSD	2.6

COLORIMETER - b	
TAMCOT 22	8.2
PHYTOGEN 72	7.9
PM 2167 RR	7.8
ST 5599BR	7.7
DPL 491	7.5
FM 960B2R	7.4
STV 4892 BR	7.4
DP 555 R/R	6.8
FM 832LL	6.7
GA 200009	.
LSD	0.6

MICRONAIRE	
ST 5599BR	4.93
STV 4892 BR	4.87
DP 555 R/R	4.80
DPL 491	4.75
PM 2167 RR	4.63
FM 960B2R	4.53
FM 832LL	4.52
PHYTOGEN 72	4.40
TAMCOT 22	4.23
GA 200009	.
LSD	0.41

STELOMETER - E1	
TAMCOT 22	7.7
PHYTOGEN 72	7.4
PM 2167 RR	6.7
STV 4892 BR	6.7
FM 960B2R	6.1
ST 5599BR	6.1
DPL 491	6.0
DP 555 R/R	5.9
FM 832LL	5.8
GA 200009	.
LSD	1.2

STELOMETER - T1	
PHYTOGEN 72	251
FM 832LL	238
DPL 491	221
FM 960B2R	218
ST 5599BR	207
STV 4892 BR	204

FIBROGRAPH--50% S.L.	
PHYTOGEN 72	0.59
FM 832LL	0.57
DPL 491	0.55
STV 4892 BR	0.55
FM 960B2R	0.54
PM 2167 RR	0.54

FIBROGRAPH--2.5% S.L.	
FM 832LL	1.18
DPL 491	1.18
PHYTOGEN 72	1.17
FM 960B2R	1.13
TAMCOT 22	1.13
ST 5599BR	1.11

PM 2167 RR	202
DP 555 R/R	197
TAMCOT 22	187
GA 200009	.
LSD	20

TAMCOT 22	0.54
ST 5599BR	0.53
DP 555 R/R	0.50
GA 200009	.
LSD	0.02

STV 4892 BR	1.10
DP 555 R/R	1.07
PM 2167 RR	1.03
GA 200009	.
LSD	0.03

 YARN TENACITY

PHYTOGEN 72	141
FM 832LL	140
DPL 491	129
FM 960B2R	126
STV 4892 BR	121
PM 2167 RR	120
ST 5599BR	115
TAMCOT 22	109
DP 555 R/R	106
GA 200009	.
LSD	9

 AREALOMETER - A (mm2/mm3)

PHYTOGEN 72	435
FM 960B2R	433
DP 555 R/R	422
STV 4892 BR	408
PM 2167 RR	407
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	35.3

 AREALOMETER - D (mm2/mm3)

FM 960B2R	25.8
PM 2167 RR	23.7
STV 4892 BR	22.8
DP 555 R/R	22.2
PHYTOGEN 72	17.2
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	9.1

 AREALOMETER - I

FM 960B2R	1.67
PM 2167 RR	1.63
STV 4892 BR	1.61
DP 555 R/R	1.60
PHYTOGEN 72	1.48
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	0.19

 AREALOMETER - M (PERCENT)

PHYTOGEN 72	94
DP 555 R/R	90
STV 4892 BR	89
PM 2167 RR	88
FM 960B2R	87
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	7

 AREALOMETER - p (Microns)

PM 2167 RR	50.34
STV 4892 BR	49.55
FM 960B2R	48.33
DP 555 R/R	47.55
PHYTOGEN 72	42.90
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	3.25

AREALOMETER - w (MG/INCH)	
PM 2167 RR	4.79
STV 4892 BR	4.70
DP 555 R/R	4.37
FM 960B2R	4.32
PHYTOGEN 72	3.82
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	0.44

AREALOMETER - t (MICRONS)	
PM 2167 RR	3.1
STV 4892 BR	3.0
DP 555 R/R	3.0
PHYTOGEN 72	3.0
FM 960B2R	2.9
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	0.3

SEED YIELD (LB/ACRE)	
FM 960B2R	1816
STV 4892 BR	1815
FM 832LL	1776
ST 5599BR	1759
DPL 491	1604
TAMCOT 22	1532
PHYTOGEN 72	1484
PM 2167 RR	1468
DP 555 R/R	1386
GA 200009	.
LSD	288

OIL (PERCENT)	
PM 2167 RR	21.48
ST 5599BR	21.32
FM 960B2R	20.52
TAMCOT 22	20.35
FM 832LL	20.34
PHYTOGEN 72	20.03
STV 4892 BR	18.54
DPL 491	17.58
DP 555 R/R	16.89
GA 200009	.
LSD	1.27

NITROGEN (PERCENT)	
TAMCOT 22	3.89
PM 2167 RR	3.79
DPL 491	3.72
DP 555 R/R	3.72
PHYTOGEN 72	3.67
STV 4892 BR	3.60
ST 5599BR	3.57
FM 832LL	3.52
FM 960B2R	3.45
GA 200009	.
LSD	0.20

NITROGEN (PERCENT)	
PM 2167 RR	3.88
STV 4892 BR	3.66
TAMCOT 22	3.65
PHY 410R	3.63
ST 5599BR	3.55
FM 832LL	3.54
DP 555 R/R	3.52
PHYTOGEN 72	3.51
SG 215BG/RR	3.49
DPL 491	3.47
FM 960B2R	3.43
LSD	0.22

MINUS GOSSYPOL	
DPL 491	0.57

TOTAL GOSSYPOL (PERCENT)	
STV 4892 BR	1.46

STV 4892 BR	0.56	ST 5599BR	1.39
ST 5599BR	0.48	DPL 491	1.24
TAMCOT 22	0.48	TAMCOT 22	1.21
FM 960B2R	0.46	FM 960B2R	1.09
PHYTOGEN 72	0.42	PM 2167 RR	1.04
FM 832LL	0.42	PHYTOGEN 72	1.01
DP 555 R/R	0.37	FM 832LL	0.93
PM 2167 RR	0.34	DP 555 R/R	0.91
GA 200009	.	GA 200009	.
LSD	0.06	LSD	0.18

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)	(%)
WESLACO, TX	1312	4.95	32.9	9.5	122	1.14	0.55	218	6.3
CHILLOCOTHE, TX	883	.	.	.	.	.	.	.	.
BEEVILLE, TX	868	5.07	42.6	10.1	121	1.09	0.54	211	7.0
COLLEGE STATION, TX	755	5.18	41.2	10.2	126	1.14	0.55	212	6.1

LOCATION	MICRO-NAIRE	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)					COLORIMETER	MICRO-NAIRE	SEED YIELD	OIL	NITR
		2.5% S.L.	UNIFO-MITY	STRE-NGTH	E	Rd						HUNTER'S b	(Reading)	(lb/ac)	(%)	(%)
	(reading)	(in.)	(%)	(g/tex)							
WESLACO, TX	4.58	1.12	82.6	30.8	7.4	68.7	7.6	4.64	2721	20.59	3.58
CHILLOCOTHE, TX	.	.	.	.	.	.	.	.	.	.	.
BEEVILLE, TX	4.58	1.07	82.2	31.2	7.5	69.7	7.4	4.72	1128	17.98	4.02
COLLEGE STATION, TX	4.72	1.13	82.8	31.2	7.5	70.8	7.5	4.77	1031	20.44	3.38

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
WESLACO, TX	0.75	0.49	1.24	420	22.3	1.60	90	47.83	4.41	3.0
CHILLOCOTHE, TX	.	.	.	.	.	.	.	.	.	.
BEEVILLE, TX	0.52	0.33	0.85	428	23.8	1.63	88	47.83	4.35	2.9
COLLEGE STATION, TX	0.79	0.54	1.33	415	20.9	1.57	91	47.54	4.44	3.0

LOCATION=COLLEGE STATION, TX

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 (%)
1251	ST 5599BR	925	6.14	42.9	11.0	119	1.14	0.54	209	6.0
1296	FM 832LL	850	5.86	39.7	11.4	143	1.19	0.57	229	5.9
1224	DP 555 R/R	820	4.30	45.5	7.7	107	1.06	0.49	198	5.8
1297	TAMCOT 22	792	5.31	41.9	10.0	114	1.17	0.55	186	6.8
1196	STV 4892 BR	775	5.25	41.0	10.2	123	1.12	0.57	204	6.6
1255	FM 960B2R	774	5.04	40.0	11.1	137	1.15	0.56	228	5.3
1201	DPL 491	756	5.16	42.7	9.6	133	1.20	0.55	235	5.3
1214	PM 2167 RR	580	4.46	38.9	10.0	118	1.03	0.54	187	6.6
1166	PHYTOGEN 72	523	5.08	38.2	10.6	145	1.19	0.60	233	6.7
.	LSD	101	1.09	2.1	0.8	11	0.05	0.04	23	0.7

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1251	ST 5599BR	5.10	1.10	83.0	31.0	7.6	68.5	7.7	5.05	1180	22.81	3.25
1296	FM 832LL	4.40	1.20	84.1	33.5	7.5	68.5	6.5	4.40	1277	20.51	3.33
1224	DP 555 R/R	5.10	1.10	80.9	29.0	6.8	72.0	7.4	5.10	888	17.84	3.32
1297	TAMCOT 22	4.40	1.15	81.0	26.5	7.1	72.5	8.1	4.35	1036	20.97	3.59
1196	STV 4892 BR	5.05	1.10	84.2	29.5	7.8	70.5	7.3	5.15	1076	19.57	3.38
1255	FM 960B2R	4.75	1.15	82.5	33.5	7.2	72.0	7.2	4.80	1137	21.72	3.11
1201	DPL 491	4.85	1.20	82.5	33.5	7.4	72.5	7.6	4.80	965	17.90	3.55
1214	PM 2167 RR	4.35	1.05	83.2	29.0	7.6	70.0	7.7	4.65	888	22.09	3.45
1166	PHYTOGEN 72	4.50	1.15	83.9	35.0	8.2	71.0	7.9	4.60	834	20.58	3.43
.	LSD	0.66	0.09	1.7	3.7	0.6	3.6	0.8	0.40	252	0.98	0.58

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

VARIETY CODE	VARIETY NAME	PLUS	MINUS	TOTAL	A	D	M		p	w	t
		(+)	(-)	(%)	---	---	I	(%)	(microns)	(mg/in)	(microns)
1251	ST 5599BR	1.09	0.59	1.68	.	.	.	.	.	.	.
1296	FM 832LL	0.62	0.51	1.13	.	.	.	.	.	.	.
1224	DP 555 R/R	0.63	0.48	1.10	401	18.5	1.52	93	47.49	4.57	3.2
1297	TAMCOT 22	0.89	0.60	1.49	.	.	.	.	.	.	.
1196	STV 4892 BR	1.04	0.66	1.70	406	22.8	1.61	89	49.87	4.75	3.1

1255	FM 960B2R	0.66	0.51	1.17	410	20.8	1.57	91	48.01	4.53	3.1
1201	DPL 491	0.73	0.64	1.37	.	.	.	.	.	.	.
1214	PM 2167 RR	0.85	0.43	1.28	419	24.5	1.65	88	49.51	4.58	3.0
1166	PHYTOGEN 72	0.63	0.45	1.08	439	17.8	1.50	94	42.83	3.77	2.9
.	LSD	0.16	0.16	0.25	24.3	3.2	0.07	2	2.94	0.55	0.2

LOCATION=WESLACO, TX

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 (%)
1201	DPL 491	1511	5.23	34.5	9.0	126	1.18	0.55	217	6.2
1255	FM 960B2R	1470	4.98	31.8	11.2	130	1.17	0.56	230	4.8
1224	DP 555 R/R	1374	3.89	35.5	7.4	100	1.11	0.52	203	5.8
1251	ST 5599BR	1365	5.47	33.7	9.8	116	1.12	0.53	206	6.2
1196	STV 4892 BR	1363	4.64	33.7	9.6	122	1.10	0.56	210	7.0
1297	TAMCOT 22	1296	5.14	33.5	9.4	106	1.11	0.52	193	7.9
1296	FM 832LL	1257	5.78	31.6	10.2	142	1.21	0.58	245	5.7
1166	PHYTOGEN 72	1150	4.59	30.9	9.5	136	1.18	0.58	249	7.2
1214	PM 2167 RR	1024	4.81	31.4	9.2	123	1.07	0.55	211	6.3
.	LSD	217	0.69	1.6	0.6	7	0.02	0.02	16	1.0

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1201	DPL 491	4.65	1.20	83.0	31.0	7.2	68.5	7.5	4.70	2640	18.03	3.59
1255	FM 960B2R	4.65	1.15	81.7	34.0	7.2	69.5	7.2	4.65	3273	22.22	3.38
1224	DP 555 R/R	4.80	1.10	80.9	30.0	7.0	71.5	6.6	4.95	2336	17.97	3.85
1251	ST 5599BR	4.50	1.10	82.0	29.5	7.2	69.5	7.8	4.65	2842	22.48	3.47
1196	STV 4892 BR	4.85	1.10	83.4	30.5	7.9	67.0	7.4	4.85	2779	19.00	3.62
1297	TAMCOT 22	4.30	1.10	83.1	28.5	7.5	71.5	8.9	4.40	2667	21.50	3.85
1296	FM 832LL	4.50	1.20	83.5	33.0	7.3	69.5	6.9	4.45	2851	20.82	3.35
1166	PHYTOGEN 72	4.35	1.15	82.8	32.5	7.8	65.5	8.3	4.55	2624	21.51	3.44
1214	PM 2167 RR	4.65	1.00	82.8	28.5	7.5	66.0	7.8	4.55	2475	21.80	3.64
.	LSD	0.54	0.07	1.0	2.2	0.3	2.6	1.0	0.44	940	1.17	0.36

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	p (microns)	w (mg/in)	t (microns)	
1201	DPL 491	0.70	0.58	1.28	.	.	.	.	.	.
1255	FM 960B2R	0.71	0.52	1.23	431	20.5	1.56	91	45.55	4.09	2.9
1224	DP 555 R/R	0.57	0.39	0.95	415	21.5	1.58	91	47.89	4.46	3.0
1251	ST 5599BR	1.07	0.54	1.61	.	.	.	.	.	.	.
1196	STV 4892 BR	0.99	0.62	1.61	412	26.5	1.69	86	51.53	4.84	3.0
1297	TAMCOT 22	0.78	0.51	1.29	.	.	.	.	.	.	.
1296	FM 832LL	0.55	0.45	1.00	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.64	0.48	1.12	422	16.8	1.47	94	43.81	4.01	3.1
1214	PM 2167 RR	0.74	0.36	1.10	419	26.0	1.68	87	50.39	4.65	3.0
.	LSD	0.09	0.09	0.14	30.2	11.6	0.26	10	7.11	0.76	0.3

LOCATION=BEEVILLE, TX

		LINT YIELD	BOLL SIZE	LINT PERCENT	SEED INDEX	YARN TENACITY	DIGITAL FIBROGRAPH		STELOMETER	
VARIETY CODE	VARIETY NAME	(lb/acre)	(g/boll)			(mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1251	ST 5599BR	1190	5.43	44.3	10.5	111	1.08	0.54	206	6.2
1196	STV 4892 BR	1150	5.26	43.9	10.2	119	1.08	0.53	197	6.5
1296	FM 832LL	924	5.64	42.3	11.0	135	1.15	0.56	240	5.8
1201	DPL 491	857	5.42	43.4	9.6	129	1.15	0.56	210	6.7
1224	DP 555 R/R	784	4.10	43.0	8.9	112	1.04	0.50	191	6.0
1255	FM 960B2R	775	4.64	41.5	10.2	112	1.07	0.52	197	8.3
1214	PM 2167 RR	773	5.22	40.4	12.0	118	1.00	0.53	207	7.3
1297	TAMCOT 22	682	4.71	43.2	8.8	107	1.10	0.54	182	8.5
1166	PHYTOGEN 72	673	5.19	41.3	10.1	143	1.15	0.58	272	8.3
.	LSD	288	1.30	3.3	1.4	16	0.08	0.05	25	0.3

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

		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY (%)	STRE-NGTH (g/tex)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	OIL (%)	NITR OGEN (%)		
VARIETY CODE	VARIETY NAME	(reading)	(in.)				E Rd					
1251	ST 5599BR	5.20	1.05	82.8	31.0	7.3	68.5	7.6	5.25	1255	18.68	4.00
1196	STV 4892 BR	4.70	1.10	83.0	30.0	7.4	67.0	7.6	4.90	1591	17.05	3.80
1296	FM 832LL	4.65	1.10	83.3	34.0	7.5	69.5	6.7	4.90	1201	19.69	3.89
1201	DPL 491	4.75	1.10	82.8	32.0	7.4	70.0	7.6	4.80	1207	16.82	4.03
1224	DP 555 R/R	4.50	1.00	80.0	29.0	6.6	69.0	6.5	4.40	934	14.87	3.98

1255	FM 960B2R	4.20	1.10	80.8	29.0	7.9	73.0	7.9	4.10	1038	17.63	3.87
1214	PM 2167 RR	4.90	0.90	82.7	33.0	8.3	70.0	7.8	5.40	1042	20.55	4.27
1297	TAMCOT 22	4.00	1.10	81.6	28.0	7.4	71.0	7.6	4.30	894	18.58	4.24
1166	PHYTOGEN 72	4.35	1.20	83.3	35.0	7.9	69.0	7.6	4.40	994	17.99	4.14
.	LSD	0.72	0.14	1.2	3.9	0.5	5.2	0.9	0.57	697	2.90	0.55

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1251	ST 5599BR	0.60	0.30	0.90	.	.	.	.	.	.	.
1196	STV 4892 BR	0.67	0.40	1.07	406	19.0	1.53	92	47.25	4.50	3.1
1296	FM 832LL	0.37	0.29	0.66	.	.	.	.	.	.	.
1201	DPL 491	0.61	0.48	1.09	.	.	.	.	.	.	.
1224	DP 555 R/R	0.43	0.24	0.67	449	26.5	1.69	86	47.28	4.07	2.7
1255	FM 960B2R	0.51	0.35	0.86	459	36.0	1.88	79	51.42	4.33	2.6
1214	PM 2167 RR	0.49	0.24	0.73	384	20.5	1.56	91	51.14	5.15	3.3
1297	TAMCOT 22	0.54	0.32	0.86
1166	PHYTOGEN 72	0.50	0.34	0.84	443	17.0	1.48	94	42.06	3.68	2.9
.	LSD	0.29	0.29	0.48

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**National Cotton Variety Tests, 2006
Yield, Boll, Seed, Spinning and Data**

2006 DELTA REGIONAL COTTON VARIETY TEST

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 (%)
1292	DP 393	1047	5.15	40.7	9.9	127	1.14	0.57	222	7.8
1282	DPL 445BR	1024	4.70	40.3	9.4	132	1.14	0.58	229	8.1
1269	DP 444BG/RR	1018	3.90	40.5	10.3	124	1.10	0.56	199	6.0
1318	PHY 310R	977	5.15	42.3	9.7	128	1.06	0.53	219	6.5

1224	DP 555 R/R	949	4.35	42.2	8.0	113	1.12	0.54	198	5.4
1251	ST 5599BR	918	5.40	39.7	11.1	123	1.12	0.54	205	5.3
1196	STV 4892 BR	907	4.45	41.2	10.6	121	1.10	0.56	205	6.8
1255	FM 960B2R	779	5.65	38.8	11.7	142	1.17	0.57	239	4.7
1214	PM 2167 RR	758	4.85	37.8	10.0	119	1.03	0.53	205	5.8
1166	PHYTOGEN 72	738	4.85	37.1	10.2	146	1.21	0.59	261	7.0
.	LSD	152	.	1.9	0.7	10	0.03	0.03	11	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 (%)
1292	DP 393	4.73	1.13	84.0	32.0	8.8	73.0	8.0	4.85	1522	17.86	3.49
1282	DPL 445BR	4.55	1.13	84.0	32.3	8.5	73.0	8.1	4.68	1432	18.23	3.42
1269	DP 444BG/RR	4.53	1.13	83.7	29.0	7.6	72.0	7.5	4.65	1502	20.43	3.70
1318	PHY 310R	4.85	1.05	83.4	31.0	8.4	71.0	7.4	5.03	1357	19.98	3.53
1224	DP 555 R/R	4.85	1.15	82.7	29.3	7.1	75.8	7.0	4.95	1275	16.32	3.53
1251	ST 5599BR	4.88	1.15	83.3	31.0	7.7	74.0	8.0	5.05	1309	21.71	3.66
1196	STV 4892 BR	4.93	1.10	83.6	30.8	8.1	73.5	8.3	5.08	1227	17.56	3.35
1255	FM 960B2R	4.68	1.18	83.6	33.0	7.2	75.0	7.4	4.83	1187	21.01	3.53
1214	PM 2167 RR	5.03	1.00	82.3	31.3	8.0	71.0	7.7	5.28	1163	21.65	3.69
1166	PHYTOGEN 72	4.63	1.20	83.7	35.3	8.4	71.5	7.9	4.75	1267	20.01	3.53
.	LSD	0.43	0.07	0.7	2.8	0.5	2.3	0.8	0.46	247	1.83	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)
1292	DP 393	0.83	0.62	1.45	.	.	.	.	.	.	.
1282	DPL 445BR	1.08	0.73	1.82	.	.	.	.	.	.	.
1269	DP 444BG/RR	0.90	0.51	1.41	.	.	.	.	.	.	.
1318	PHY 310R	0.94	0.57	1.51	.	.	.	.	.	.	.
1224	DP 555 R/R	0.68	0.44	1.12	407	20.4	1.56	91	48.07	4.57	3.1
1251	ST 5599BR	1.04	0.53	1.56	.	.	.	.	.	.	.
1196	STV 4892 BR	0.96	0.59	1.55	408	25.5	1.67	87	51.24	4.86	3.0
1255	FM 960B2R	0.76	0.51	1.27	412	20.1	1.55	91	47.38	4.45	3.1
1214	PM 2167 RR	0.95	0.43	1.38	384	20.1	1.55	91	50.75	5.11	3.3
1166	PHYTOGEN 72	0.69	0.45	1.14	429	15.6	1.45	96	42.41	3.82	3.0
.	LSD	0.07	0.07	0.13	27.4	7.3	0.15	6	4.05	0.62	0.2

BOLL SIZE, GRAM PER BOLL	
FM 960B2R	5.65
ST 5599BR	5.40
DP 393	5.15
PHY 310R	5.15
PHYTOGEN 72	4.85
PM 2167 RR	4.85
DPL 445BR	4.70
STV 4892 BR	4.45
DP 555 R/R	4.35
DP 444BG/RR	3.90
LSD	.

LINT PERCENT	
PHY 310R	42.3
DP 555 R/R	42.2
STV 4892 BR	41.2
DP 393	40.7
DP 444BG/RR	40.5
DPL 445BR	40.3
ST 5599BR	39.7
FM 960B2R	38.8
PM 2167 RR	37.8
PHYTOGEN 72	37.1
LSD	1.9

SEED INDEX	
FM 960B2R	11.7
ST 5599BR	11.1
STV 4892 BR	10.6
DP 444BG/RR	10.3
PHYTOGEN 72	10.2
PM 2167 RR	10.0
DP 393	9.9
PHY 310R	9.7
DPL 445BR	9.4
DP 555 R/R	8.0
LSD	0.7

2.5% S.L. (INCHES)	
PHYTOGEN 72	1.20
FM 960B2R	1.18
ST 5599BR	1.15
DP 555 R/R	1.15
DP 444BG/RR	1.13
DP 393	1.13
DPL 445BR	1.13
STV 4892 BR	1.10
PHY 310R	1.05
PM 2167 RR	1.00
LSD	0.07

UR (PERCENT)	
DP 393	84.0
DPL 445BR	84.0
PHYTOGEN 72	83.7
DP 444BG/RR	83.7
FM 960B2R	83.6
STV 4892 BR	83.6
PHY 310R	83.4
ST 5599BR	83.3
DP 555 R/R	82.7
PM 2167 RR	82.3
LSD	0.7

STRENGTH (G/TEX)	
PHYTOGEN 72	35.3
FM 960B2R	33.0
DPL 445BR	32.3
DP 393	32.0
PM 2167 RR	31.3
PHY 310R	31.0
ST 5599BR	31.0
STV 4892 BR	30.8
DP 555 R/R	29.3
DP 444BG/RR	29.0
LSD	2.8

E	
DP 393	8.8
DPL 445BR	8.5
PHYTOGEN 72	8.4
PHY 310R	8.4
STV 4892 BR	8.1
PM 2167 RR	8.0
ST 5599BR	7.7
DP 444BG/RR	7.6
FM 960B2R	7.2
DP 555 R/R	7.1
LSD	0.5

MICRONAIRE (SL-HVI)	
PM 2167 RR	5.28
STV 4892 BR	5.08
ST 5599BR	5.05
PHY 310R	5.03
DP 555 R/R	4.95
DP 393	4.85
FM 960B2R	4.83
PHYTOGEN 72	4.75
DPL 445BR	4.68
DP 444BG/RR	4.65
LSD	0.46

COLORIMETER - Rd	
TAMCOT 22	71.7
FM 960B2R	71.5
DP 555 R/R	70.8
DPL 491	70.3
FM 832LL	69.2
ST 5599BR	68.8
PM 2167 RR	68.7
PHYTOGEN 72	68.5
STV 4892 BR	68.2
GA 200009	.
LSD	2.6

COLORIMETER - b	
TAMCOT 22	8.2
PHYTOGEN 72	7.9
PM 2167 RR	7.8
ST 5599BR	7.7
DPL 491	7.5
FM 960B2R	7.4
STV 4892 BR	7.4
DP 555 R/R	6.8
FM 832LL	6.7
GA 200009	.
LSD	0.6

MICRONAIRE	
PM 2167 RR	5.03
STV 4892 BR	4.93
ST 5599BR	4.88
PHY 310R	4.85
DP 555 R/R	4.85
DP 393	4.73
FM 960B2R	4.68
PHYTOGEN 72	4.63
DPL 445BR	4.55
DP 444BG/RR	4.53
LSD	0.43

STELOMETER - E1	
DPL 445BR	8.1
DP 393	7.8
PHYTOGEN 72	7.0
STV 4892 BR	6.8
PHY 310R	6.5
DP 444BG/RR	6.0
PM 2167 RR	5.8
DP 555 R/R	5.4
ST 5599BR	5.3
FM 960B2R	4.7
LSD	1.4

STELOMETER - T1	
PHYTOGEN 72	261
FM 960B2R	239
DPL 445BR	229
DP 393	222
PHY 310R	219
ST 5599BR	205
PM 2167 RR	205

FIBROGRAPH--50% S.L.	
PHYTOGEN 72	0.59
DPL 445BR	0.58
FM 960B2R	0.57
DP 393	0.57
STV 4892 BR	0.56
DP 444BG/RR	0.56
DP 555 R/R	0.54

FIBROGRAPH--2.5% S.L.	
PHYTOGEN 72	1.21
FM 960B2R	1.17
DPL 445BR	1.14
DP 393	1.14
DP 555 R/R	1.12
ST 5599BR	1.12
STV 4892 BR	1.10

STV 4892 BR	205
DP 444BG/RR	199
DP 555 R/R	198
LSD	11

ST 5599BR	0.54
PHY 310R	0.53
PM 2167 RR	0.53
LSD	0.03

DP 444BG/RR	1.10
PHY 310R	1.06
PM 2167 RR	1.03
LSD	0.03

 YARN TENACITY

PHYTOGEN 72	146
FM 960B2R	142
DPL 445BR	132
PHY 310R	128
DP 393	127
DP 444BG/RR	124
ST 5599BR	123
STV 4892 BR	121
PM 2167 RR	119
DP 555 R/R	113
LSD	10

 AREALOMETER - A (mm2/mm3)

PHYTOGEN 72	435
FM 960B2R	433
DP 555 R/R	422
STV 4892 BR	408
PM 2167 RR	407
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	35.3

 AREALOMETER - D (mm2/mm3)

FM 960B2R	25.8
PM 2167 RR	23.7
STV 4892 BR	22.8
DP 555 R/R	22.2
PHYTOGEN 72	17.2
FM 832LL	.
DPL 491	.
ST 5599BR	.
TAMCOT 22	.
GA 200009	.
LSD	9.1

 AREALOMETER - I

STV 4892 BR	1.67
DP 555 R/R	1.56
FM 960B2R	1.55
PM 2167 RR	1.55
PHYTOGEN 72	1.45
DPL 445BR	.
PHY 310R	.
DP 393	.
DP 444BG/RR	.
ST 5599BR	.
LSD	0.15

 AREALOMETER - M (PERCENT)

PHYTOGEN 72	96
PM 2167 RR	91
DP 555 R/R	91
FM 960B2R	91
STV 4892 BR	87
DPL 445BR	.
PHY 310R	.
DP 393	.
DP 444BG/RR	.
ST 5599BR	.
LSD	6

 AREALOMETER - p (Microns)

STV 4892 BR	51.24
PM 2167 RR	50.75
DP 555 R/R	48.07
FM 960B2R	47.38
PHYTOGEN 72	42.41
DPL 445BR	.
PHY 310R	.
DP 393	.
DP 444BG/RR	.
ST 5599BR	.
LSD	4.05

AREALOMETER - w (MG/INCH)	
PM 2167 RR	5.11
STV 4892 BR	4.86
DP 555 R/R	4.57
FM 960B2R	4.45
PHYTOGEN 72	3.82
DPL 445BR	.
PHY 310R	.
DP 393	.
DP 444BG/RR	.
ST 5599BR	.
LSD	0.62

AREALOMETER - t (MICRONS)	
PM 2167 RR	3.3
DP 555 R/R	3.1
FM 960B2R	3.1
PHYTOGEN 72	3.0
STV 4892 BR	3.0
DPL 445BR	.
PHY 310R	.
DP 393	.
DP 444BG/RR	.
ST 5599BR	.
LSD	0.2

SEED YIELD (LB/ACRE)	
DP 393	1522
DP 444BG/RR	1502
DPL 445BR	1432
PHY 310R	1357
ST 5599BR	1309
DP 555 R/R	1275
PHYTOGEN 72	1267
STV 4892 BR	1227
FM 960B2R	1187
PM 2167 RR	1163
LSD	247

OIL (PERCENT)	
ST 5599BR	21.71
PM 2167 RR	21.65
FM 960B2R	21.01
DP 444BG/RR	20.43
PHYTOGEN 72	20.01
PHY 310R	19.98
DPL 445BR	18.23
DP 393	17.86
STV 4892 BR	17.56
DP 555 R/R	16.32
LSD	1.83

NITROGEN (PERCENT)	
DP 444BG/RR	3.70
PM 2167 RR	3.69
ST 5599BR	3.66
FM 960B2R	3.53
DP 555 R/R	3.53
PHY 310R	3.53
PHYTOGEN 72	3.53
DP 393	3.49
DPL 445BR	3.42
STV 4892 BR	3.35
LSD	0.23

PLUS GOSSYPOL	
DPL 445BR	1.08
ST 5599BR	1.04
STV 4892 BR	0.96
PM 2167 RR	0.95
PHY 310R	0.94
DP 444BG/RR	0.90
DP 393	0.83
FM 960B2R	0.76
PHYTOGEN 72	0.69
DP 555 R/R	0.68
LSD	0.07

MINUS GOSSYPOL	
DPL 445BR	0.73
DP 393	0.62
STV 4892 BR	0.59
PHY 310R	0.57

TOTAL GOSSYPOL (PERCENT)	
DPL 445BR	1.82
ST 5599BR	1.56
STV 4892 BR	1.55
PHY 310R	1.51

ST 5599BR	0.53	DP 393	1.45
FM 960B2R	0.51	DP 444BG/RR	1.41
DP 444BG/RR	0.51	PM 2167 RR	1.38
PHYTOGEN 72	0.45	FM 960B2R	1.27
DP 555 R/R	0.44	PHYTOGEN 72	1.14
PM 2167 RR	0.43	DP 555 R/R	1.12
LSD	0.07	LSD	0.13

LOCATION	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 (%)	
KEISER, AR	1028	4.85	39.9	10.8	140	1.18	0.58	225	6.8	
STONEVILLE, MS	795	.	40.1	9.4	115	1.06	0.54	211	5.9	

LOCATION	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 (%)
KEISER, AR	4.65	1.18	84.6	32.4	8.0	74.1	8.0	4.73	1466	19.76	3.53
STONEVILLE, MS	4.88	1.06	82.3	30.6	7.9	71.9	7.4	5.10	1182	19.19	3.55

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
KEISER, AR	0.93	0.63	1.56	418	22.4	1.60	89	48.24	4.48	3.0
STONEVILLE, MS	0.83	0.45	1.28	399	18.3	1.51	93	47.70	4.64	3.2

LOCATION=STONEVILLE, MS

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 (%)
1292	DP 393	945	.	40.0	9.5	115	1.07	0.55	216	7.9
1269	DP 444BG/RR	935	.	40.4	9.7	113	1.04	0.53	193	6.0
1282	DPL 445BR	904	.	40.4	8.9	124	1.09	0.58	222	7.3
1251	ST 5599BR	842	.	40.6	10.4	114	1.06	0.51	198	4.8
1318	PHY 310R	799	.	41.8	8.8	118	1.02	0.53	216	6.5
1196	STV 4892 BR	765	.	40.7	9.7	105	1.05	0.54	191	5.5
1224	DP 555 R/R	749	.	43.3	7.4	96	1.06	0.51	195	4.8
1214	PM 2167 RR	710	.	38.5	9.0	107	0.98	0.51	194	5.3
1166	PHYTOGEN 72	653	.	37.0	9.8	135	1.15	0.57	253	6.4
1255	FM 960B2R	645	.	38.8	11.1	128	1.12	0.55	231	4.5
.	LSD	188	.	0.8	0.4	10	0.04	0.02	20	1.2

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	NAIRE (Reading)	YIELD (lb/ac)			
1292	DP 393	4.70	1.05	83.0	31.5	8.8	72.5	7.5	4.95	1419	17.73	3.55
1269	DP 444BG/RR	4.60	1.05	82.6	29.0	7.6	71.5	7.4	4.85	1379	20.41	3.69
1282	DPL 445BR	4.70	1.05	82.8	33.0	8.8	71.5	7.8	4.85	1336	18.59	3.45
1251	ST 5599BR	5.10	1.10	82.0	29.5	7.6	73.0	7.5	5.30	1227	22.61	3.54
1318	PHY 310R	4.85	1.00	82.7	30.5	8.2	69.0	6.9	5.05	1113	19.50	3.68
1196	STV 4892 BR	5.35	1.05	82.3	29.5	7.8	71.0	8.2	5.60	1107	17.12	3.44
1224	DP 555 R/R	4.95	1.10	81.3	28.0	6.8	74.5	6.8	5.15	983	15.53	3.51
1214	PM 2167 RR	5.20	0.95	81.1	29.0	7.8	70.5	8.0	5.45	1128	20.70	3.64
1166	PHYTOGEN 72	4.65	1.10	82.6	33.5	8.4	71.0	7.5	4.75	1113	19.44	3.54
1255	FM 960B2R	4.70	1.15	82.7	32.0	7.1	74.5	7.1	5.00	1019	20.31	3.51
.	LSD	0.27	0.12	1.3	2.1	0.5	2.8	0.6	0.28	247	0.73	0.20

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS	MINUS	TOTAL	A	D	M		p	w	t
		(+)	(-)	(%)	---(mm2/mm3)---	I	(%)	(microns)	(mg/in)	(microns)	
1292	DP 393	0.74	0.52	1.25	.	.	.	.	.	.	.
1269	DP 444BG/RR	0.88	0.43	1.31	.	.	.	.	.	.	.
1282	DPL 445BR	1.05	0.66	1.70	.	.	.	.	.	.	.
1251	ST 5599BR	1.02	0.44	1.45	.	.	.	.	.	.	.

1318	PHY 310R	0.86	0.45	1.31	.	.	.	.	.	.	.
1196	STV 4892 BR	0.92	0.47	1.39	388	20.8	1.57	91	50.79	5.06	3.2
1224	DP 555 R/R	0.63	0.35	0.97	398	18.5	1.52	93	47.91	4.67	3.2
1214	PM 2167 RR	0.91	0.36	1.27	383	17.3	1.49	94	48.76	4.92	3.3
1166	PHYTOGEN 72	0.64	0.36	1.00	422	15.0	1.44	96	42.63	3.91	3.1
1255	FM 960B2R	0.73	0.46	1.19	403	20.0	1.55	91	48.42	4.65	3.1
.	LSD	0.06	0.06	0.10	32.7	5.6	0.13	5	3.59	0.65	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 (%)
1318	PHY 310R	1155	5.15	42.8	10.6	138	1.11	0.54	222	6.4
1292	DP 393	1149	5.15	41.5	10.3	138	1.20	0.59	228	7.8
1224	DP 555 R/R	1148	4.35	41.0	8.7	131	1.19	0.57	201	6.0
1282	DPL 445BR	1145	4.70	40.2	10.0	141	1.19	0.58	237	8.9
1269	DP 444BG/RR	1101	3.90	40.6	10.8	136	1.17	0.58	206	5.9
1196	STV 4892 BR	1049	4.45	41.6	11.6	137	1.16	0.58	219	8.0
1251	ST 5599BR	993	5.40	38.8	11.8	133	1.19	0.57	213	5.8
1255	FM 960B2R	912	5.65	38.8	12.4	156	1.22	0.59	247	4.9
1166	PHYTOGEN 72	822	4.85	37.2	10.6	158	1.28	0.62	269	7.7
1214	PM 2167 RR	807	4.85	37.2	11.1	132	1.09	0.56	216	6.4
.	LSD	130	0.96	1.5	0.9	8	0.02	0.03	23	0.6

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1318	PHY 310R	4.85	1.10	84.1	31.5	8.5	73.0	7.9	5.00	1602	20.47	3.38
1292	DP 393	4.75	1.20	85.1	32.5	8.8	73.5	8.5	4.75	1624	17.99	3.44
1224	DP 555 R/R	4.75	1.20	84.1	30.5	7.3	77.0	7.2	4.75	1567	17.11	3.56
1282	DPL 445BR	4.40	1.20	85.2	31.5	8.2	74.5	8.4	4.50	1528	17.88	3.40
1269	DP 444BG/RR	4.45	1.20	84.8	29.0	7.6	72.5	7.7	4.45	1625	20.45	3.71
1196	STV 4892 BR	4.50	1.15	85.0	32.0	8.3	76.0	8.4	4.55	1348	17.99	3.26
1251	ST 5599BR	4.65	1.20	84.7	32.5	7.7	75.0	8.5	4.80	1391	20.80	3.78
1255	FM 960B2R	4.65	1.20	84.6	34.0	7.2	75.5	7.6	4.65	1355	21.72	3.56
1166	PHYTOGEN 72	4.60	1.30	84.8	37.0	8.4	72.0	8.3	4.75	1421	20.58	3.51
1214	PM 2167 RR	4.85	1.05	83.5	33.5	8.3	71.5	7.3	5.10	1198	22.61	3.74
.	LSD	0.35	0.07	1.0	2.8	0.5	2.7	0.7	0.29	177	1.39	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)
1318	PHY 310R	1.03	0.69	1.71	.	.	.	.	.	.	.
1292	DP 393	0.92	0.73	1.65	.	.	.	.	.	.	.
1224	DP 555 R/R	0.73	0.54	1.27	417	22.3	1.60	89	48.24	4.47	3.0
1282	DPL 445BR	1.12	0.81	1.93	.	.	.	.	.	.	.
1269	DP 444BG/RR	0.93	0.58	1.51	.	.	.	.	.	.	.
1196	STV 4892 BR	1.01	0.71	1.71	429	30.3	1.77	83	51.69	4.66	2.8
1251	ST 5599BR	1.06	0.62	1.68	.	.	.	.	.	.	.
1255	FM 960B2R	0.79	0.56	1.35	422	20.3	1.56	91	46.35	4.25	3.0
1166	PHYTOGEN 72	0.74	0.55	1.28	436	16.3	1.47	95	42.18	3.74	3.0
1214	PM 2167 RR	0.99	0.51	1.50	385	23.0	1.62	89	52.74	5.30	3.2
.	LSD	0.05	0.05	0.09	24.0	9.3	0.19	6	4.01	0.38	0.3

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National Cotton Variety Tests, 2006

Yield, Boll, Seed, Spinning and Data

2006 EASTERN REGIONAL COTTON VARIETY TEST

EASTERN ALL LOCATIONS

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 (%)
1224	DP 555 R/R	1169	4.38	44.6	7.7	105	1.09	0.51	190	6.5
1316	PHY 370WR	1131	4.65	43.0	9.1	115	1.07	0.54	198	7.0
1281	DPL 455BR	1082	4.23	43.8	8.0	122	1.10	0.54	207	6.9
1256	FM 960BR	1068	4.80	41.3	10.2	122	1.09	0.53	221	5.3
1292	DP 393	1058	4.30	42.5	9.5	114	1.12	0.56	207	8.4
1251	ST 5599BR	1053	5.21	42.3	10.0	111	1.10	0.53	204	6.5
1241	DP 444 BR	1027	4.50	43.0	9.6	120	1.10	0.55	205	7.4
1295	STV 5242BR	1018	5.09	43.3	10.3	108	1.07	0.53	197	7.3
1196	STV 4892 BR	1016	4.57	42.7	9.8	109	1.09	0.54	197	7.5

1315	DP 432R	991	3.91	41.7	8.6	110	1.07	0.54	200	8.6
1282	DPL 445BR	988	4.81	43.1	9.1	118	1.10	0.55	218	8.9
1255	FM 960B2R	972	5.07	41.3	10.5	117	1.15	0.55	216	5.7
1166	PHYTOGEN 72	868	4.50	40.0	9.4	133	1.14	0.56	239	8.0
1214	PM 2167 RR	788	4.62	40.3	9.0	106	1.02	0.53	192	7.0
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
.	LSD	111	0.35	0.9	0.5	8	0.03	0.01	12	0.8

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 (%)
1224	DP 555 R/R	4.79	1.06	81.3	29.4	7.3	72.2	7.8	4.89	1340	17.29	3.77
1316	PHY 370WR	4.97	1.05	82.1	30.6	8.4	70.9	8.1	5.01	1357	19.24	3.72
1281	DPL 455BR	4.35	1.10	81.8	30.5	7.6	71.3	8.5	4.44	1237	16.56	3.85
1256	FM 960BR	4.62	1.07	81.8	33.8	7.7	70.7	7.5	4.77	1259	20.27	3.53
1292	DP 393	4.84	1.11	82.8	30.7	9.0	69.5	8.3	4.95	1289	17.77	3.66
1251	ST 5599BR	4.88	1.09	81.9	31.3	8.0	70.5	8.6	4.97	1317	20.02	3.75
1241	DP 444 BR	4.47	1.10	82.7	29.9	8.1	71.4	8.1	4.54	1178	19.82	3.85
1295	STV 5242BR	4.52	1.06	82.3	28.4	7.8	70.4	8.1	4.58	1107	17.62	3.76
1196	STV 4892 BR	4.99	1.06	82.6	29.9	8.1	70.3	8.5	5.06	1219	18.35	3.57
1315	DP 432R	5.02	1.07	82.3	31.0	8.8	69.5	8.6	5.08	1194	18.84	3.70
1282	DPL 445BR	4.74	1.08	82.3	30.4	8.7	71.6	8.7	4.90	1212	18.52	3.53
1255	FM 960B2R	4.60	1.16	82.4	32.4	7.6	71.6	7.8	4.68	1140	20.40	3.59
1166	PHYTOGEN 72	4.47	1.15	82.6	33.6	8.6	69.6	8.6	4.61	1112	19.72	3.67
1214	PM 2167 RR	4.95	1.02	82.0	30.1	8.2	68.8	8.2	5.02	968	21.13	3.83
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
.	LSD	0.31	0.03	0.7	1.5	0.4	1.2	0.4	0.28	178	1.16	0.16

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.66	0.45	1.11	427	24.4	1.64	88	48.32	4.40	2.9
1316	PHY 370WR	0.94	0.60	1.54	403	21.1	1.58	91	49.24	4.74	3.1
1281	DPL 455BR	0.73	0.45	1.18	433	22.8	1.61	89	46.75	4.19	2.9
1256	FM 960BR	0.74	0.51	1.26	430	19.2	1.53	92	44.88	4.07	3.0
1292	DP 393	0.90	0.62	1.52	421	21.9	1.59	90	47.46	4.36	3.0
1251	ST 5599BR	0.99	0.57	1.56	424	23.4	1.63	88	48.18	4.42	2.9
1241	DP 444 BR	0.87	0.51	1.38	404	19.6	1.54	92	47.86	4.59	3.2
1295	STV 5242BR	0.86	0.50	1.36	429	25.6	1.67	87	49.05	4.45	2.9

1196	STV 4892 BR	1.01	0.65	1.65	414	29.1	1.74	84	52.96	4.98	3.0
1315	DP 432R	0.98	0.58	1.57	413	22.8	1.61	89	49.31	4.69	3.1
1282	DPL 445BR	1.04	0.69	1.73	429	27.1	1.70	85	49.79	4.50	2.9
1255	FM 960B2R	0.77	0.53	1.31	420	23.0	1.61	89	48.33	4.47	3.0
1166	PHYTOGEN 72	0.66	0.46	1.12	426	20.1	1.55	91	45.79	4.19	3.0
1214	PM 2167 RR	0.85	0.43	1.28	403	24.8	1.65	87	51.63	4.96	3.1
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
.	LSD	0.09	0.06	0.14	23.3	3.2	0.07	3	2.20	0.42	0.2

EASTERN INCLUDING SUFFOLK, VA; PAINTER, VA; AND FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1224	DP 555 R/R	1308	4.78	44.4	8.9	115	1.14	0.53	200	6.5
1281	DPL 445BR	1180	4.71	44.1	8.5	125	1.17	0.56	208	7.8
1241	DP 444 BR	1170	4.87	43.1	10.0	121	1.15	0.56	203	7.2
1316	PHY 370WR	1130	5.65	42.8	9.7	116	1.10	0.56	207	7.4
1251	ST 5599BR	1106	5.49	41.9	10.4	111	1.15	0.55	208	6.3
1256	FM 960BR	1093	4.30	41.4	10.6	124	1.15	0.56	220	6.0
1282	DPL 445BR	1040	5.68	42.9	9.8	117	1.11	0.55	218	8.7
1295	STV 5242BR	1035	4.39	42.8	10.9	105	1.10	0.55	190	8.1
1196	STV 4892 BR	1022	4.99	42.8	10.3	113	1.13	0.55	200	7.5
1292	DP 393	1007	4.29	41.3	10.4	110	1.15	0.57	194	8.8
1255	FM 960B2R	939	5.28	41.1	10.8	125	1.19	0.57	221	5.1
1166	PHYTOGEN 72	895	4.88	39.7	10.0	139	1.20	0.59	246	7.7
1315	DP 432R	826	.	41.6	9.3	98	1.10	0.55	197	9.0
1214	PM 2167 RR	797	4.82	39.8	9.5	104	1.04	0.54	193	6.9
.	LSD	187	1.17	2.1	.	9	0.03	0.02	18	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)	E	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	4.85	1.12	82.4	30.0	7.9	68.5	8.0	4.93	1662	18.24	3.68

1281 DPL 455BR	4.47	1.17	82.9	30.7	8.2	68.5	8.1	4.58	1444	16.92	3.65
1241 DP 444 BR	4.45	1.15	83.8	29.2	8.1	68.5	7.5	4.48	1476	20.95	3.84
1316 PHY 370WR	5.10	1.10	82.5	30.3	8.7	66.0	7.7	5.23	1510	20.69	3.57
1251 ST 5599BR	5.00	1.13	82.4	30.7	8.1	67.3	8.3	5.03	1580	21.23	3.56
1256 FM 960BR	4.83	1.10	82.0	34.0	8.2	64.8	6.9	4.88	1306	20.53	3.48
1282 DPL 445BR	4.98	1.10	82.5	29.3	8.8	67.5	8.6	5.15	1385	19.06	3.51
1295 STV 5242BR	5.03	1.08	82.8	27.8	8.4	64.8	7.4	5.03	1218	17.98	3.71
1196 STV 4892 BR	5.03	1.10	82.6	29.8	8.2	68.0	8.2	5.08	1331	19.40	3.38
1292 DP 393	4.65	1.15	83.4	28.5	8.9	63.5	7.6	4.75	1391	18.17	3.68
1255 FM 960B2R	4.67	1.20	83.2	33.3	7.9	67.8	7.8	4.75	1275	21.11	3.48
1166 PHYTOGEN 72	4.50	1.22	83.7	33.2	8.6	66.5	8.2	4.60	1215	20.63	3.50
1315 DP 432R	5.40	1.10	81.0	28.5	9.2	57.0	7.4	5.50	1160	18.89	3.80
1214 PM 2167 RR	5.20	1.07	82.0	29.5	8.4	65.5	7.8	5.22	1081	21.80	3.71
. LSD	0.28	0.05	1.1	1.2	0.4	2.5	0.6	0.37	281	1.37	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)
1224 DP 555 R/R		0.74	0.54	1.27	428	25.8	1.67	87	49.13	4.50	2.9
1281 DPL 455BR		0.85	0.57	1.42	.	.	.	.	.	.	.
1241 DP 444 BR		0.90	0.58	1.48	.	.	.	.	.	.	.
1316 PHY 370WR		0.96	0.67	1.62	.	.	.	.	.	.	.
1251 ST 5599BR		1.15	0.71	1.86	.	.	.	.	.	.	.
1256 FM 960BR		0.77	0.59	1.35	.	.	.	.	.	.	.
1282 DPL 445BR		1.07	0.74	1.80	.	.	.	.	.	.	.
1295 STV 5242BR		0.93	0.60	1.52	.	.	.	.	.	.	.
1196 STV 4892 BR		1.12	0.79	1.91	412	31.6	1.79	82	54.74	5.17	3.0
1292 DP 393		1.03	0.72	1.74	.	.	.	.	.	.	.
1255 FM 960B2R		0.81	0.59	1.39	415	24.2	1.64	88	49.59	4.64	3.0
1166 PHYTOGEN 72		0.74	0.57	1.31	439	22.2	1.60	90	45.61	4.03	2.9
1315 DP 432R		0.90	0.62	1.52	.	.	.	.	.	.	.
1214 PM 2167 RR		0.90	0.50	1.39	396	26.5	1.69	86	53.70	5.25	3.1
. LSD		0.15	0.11	0.25	33.3	5.2	0.10	4	1.61	0.46	0.2

EASTERN INCLUDING GRIFFIN, GA; AUBURN, AL; BELLE MINA, AL; JACKSON, TN; AND STARKVILLE, MS

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 (%)
1316	PHY 370WR	1131	4.31	43.1	8.8	114	1.05	0.53	194	6.8
1224	DP 555 R/R	1086	4.11	44.7	7.1	97	1.04	0.50	182	6.5
1292	DP 393	1079	4.30	42.8	9.0	116	1.10	0.56	214	8.1
1256	FM 960BR	1058	4.96	41.3	10.0	121	1.06	0.52	222	5.0
1315	DP 432R	1024	3.91	41.8	8.2	113	1.06	0.54	201	8.6
1281	DPL 455BR	1022	3.90	43.7	7.8	119	1.05	0.52	206	6.3
1251	ST 5599BR	1020	5.03	42.4	9.8	110	1.05	0.52	201	6.7
1196	STV 4892 BR	1012	4.29	42.7	9.5	106	1.07	0.54	194	7.5
1295	STV 5242BR	1011	5.32	43.5	10.0	110	1.06	0.53	201	6.9
1255	FM 960B2R	1005	4.86	41.5	10.1	106	1.10	0.52	209	6.6
1282	DPL 445BR	968	4.52	43.2	8.8	119	1.10	0.55	218	9.0
1241	DP 444 BR	941	4.26	42.9	9.4	119	1.07	0.54	207	7.5
1166	PHYTOGEN 72	851	4.24	40.2	9.1	129	1.09	0.54	234	8.2
1214	PM 2167 RR	783	4.49	40.6	8.8	107	1.00	0.52	191	7.1
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
.	LSD	146	0.29	1.2	0.6	13	0.04	0.02	17	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	RD	COLORIMETER HUNTER'S b (Reading)	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1316	PHY 370WR	4.90	1.03	82.0	30.8	8.2	73.4	8.3	4.90	1280	18.52	3.80
1224	DP 555 R/R	4.75	1.01	80.5	28.9	6.9	75.0	7.6	4.86	1178	16.58	3.84
1292	DP 393	4.94	1.09	82.5	31.8	9.0	72.5	8.7	5.05	1264	17.57	3.65
1256	FM 960BR	4.51	1.05	81.6	33.6	7.5	73.6	7.7	4.71	1248	20.15	3.55
1315	DP 432R	4.93	1.06	82.7	31.6	8.7	72.6	8.9	4.98	1203	18.82	3.68
1281	DPL 455BR	4.26	1.05	81.0	30.4	7.2	73.4	8.8	4.33	1133	16.28	4.01
1251	ST 5599BR	4.79	1.05	81.5	31.8	7.9	72.9	8.8	4.93	1186	19.11	3.89
1196	STV 4892 BR	4.95	1.04	82.7	29.9	8.0	72.0	8.7	5.04	1163	17.57	3.71
1295	STV 5242BR	4.26	1.05	82.0	28.8	7.5	73.3	8.5	4.36	1079	17.44	3.79
1255	FM 960B2R	4.50	1.10	81.1	31.0	7.0	77.3	8.0	4.58	1006	19.34	3.77
1282	DPL 445BR	4.63	1.08	82.2	31.0	8.6	73.6	8.7	4.78	1125	18.25	3.54
1241	DP 444 BR	4.49	1.06	81.9	30.5	8.1	73.6	8.6	4.59	1029	18.98	3.86
1166	PHYTOGEN 72	4.45	1.10	81.8	33.9	8.6	72.0	9.0	4.61	1061	19.04	3.79

1214	PM 2167 RR	4.76	0.99	81.9	30.5	8.0	71.3	8.5	4.88	911	20.62	3.92
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
.	LSD	0.48	0.04	0.7	2.4	0.5	1.4	0.4	0.41	244	1.91	0.21

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1316	PHY 370WR	0.94	0.56	1.50	403	21.1	1.58	91	49.24	4.74	3.1
1224	DP 555 R/R	0.61	0.38	0.99	427	23.3	1.62	89	47.72	4.33	2.9
1292	DP 393	0.83	0.58	1.41	421	21.9	1.59	90	47.46	4.36	3.0
1256	FM 960BR	0.73	0.48	1.21	430	19.2	1.53	92	44.88	4.07	3.0
1315	DP 432R	1.01	0.57	1.58	413	22.8	1.61	89	49.31	4.69	3.1
1281	DPL 455BR	0.65	0.36	1.01	433	22.8	1.61	89	46.75	4.19	2.9
1251	ST 5599BR	0.88	0.47	1.35	424	23.4	1.63	88	48.18	4.42	2.9
1196	STV 4892 BR	0.92	0.54	1.46	415	27.3	1.70	85	51.62	4.83	3.0
1295	STV 5242BR	0.83	0.45	1.28	429	25.6	1.67	87	49.05	4.45	2.9
1255	FM 960B2R	0.72	0.45	1.17	427	21.1	1.58	91	46.44	4.22	3.0
1282	DPL 445BR	1.03	0.67	1.70	429	27.1	1.70	85	49.79	4.50	2.9
1241	DP 444 BR	0.84	0.46	1.30	404	19.6	1.54	92	47.86	4.59	3.2
1166	PHYTOGEN 72	0.60	0.38	0.98	416	18.5	1.52	93	45.92	4.31	3.1
1214	PM 2167 RR	0.82	0.39	1.20	408	23.6	1.63	88	50.08	4.75	3.0
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
.	LSD	0.11	0.06	0.16	33.5	4.7	0.10	4	3.25	0.62	0.3

BOLL SIZE, GRAM PER BOLL

ST 5599BR	5.21
STV 5242BR	5.09
FM 960B2R	5.07
DPL 445BR	4.81
FM 960BR	4.80
PHY 370WR	4.65
PM 2167 RR	4.62
STV 4892 BR	4.57
DP 444 BR	4.50

LINT PERCENT

DP 555 R/R	44.6
DPL 455BR	43.8
STV 5242BR	43.3
DPL 445BR	43.1
PHY 370WR	43.0
DP 444 BR	43.0
GA 98028	42.8
STV 4892 BR	42.7
DP 393	42.5

SEED INDEX

FM 960B2R	10.5
STV 5242BR	10.3
FM 960BR	10.2
ST 5599BR	10.0
GA 98028	9.9
STV 4892 BR	9.8
DP 444 BR	9.6
DP 393	9.5
PHYTOGEN 72	9.4

PHYTOGEN 72	4.50
GA 98028	4.49
DP 555 R/R	4.38
DP 393	4.30
DPL 455BR	4.23
DP 432R	3.91
LSD	0.35

ST 5599BR	42.3
DP 432R	41.7
FM 960BR	41.3
FM 960B2R	41.3
PM 2167 RR	40.3
PHYTOGEN 72	40.0
LSD	0.9

DPL 445BR	9.1
PHY 370WR	9.1
PM 2167 RR	9.0
DP 432R	8.6
DPL 455BR	8.0
DP 555 R/R	7.7
LSD	0.5

 2.5% S.L. (INCHES)

FM 960B2R	1.16
PHYTOGEN 72	1.15
DP 393	1.11
GA 98028	1.10
DP 444 BR	1.10
DPL 455BR	1.10
ST 5599BR	1.09
DPL 445BR	1.08
DP 432R	1.07
FM 960BR	1.07
STV 4892 BR	1.06
STV 5242BR	1.06
DP 555 R/R	1.06
PHY 370WR	1.05
PM 2167 RR	1.02
LSD	0.03

 UR (PERCENT)

DP 393	82.8
DP 444 BR	82.7
STV 4892 BR	82.6
PHYTOGEN 72	82.6
FM 960B2R	82.4
DP 432R	82.3
DPL 445BR	82.3
STV 5242BR	82.3
PHY 370WR	82.1
PM 2167 RR	82.0
ST 5599BR	81.9
DPL 455BR	81.8
FM 960BR	81.8
DP 555 R/R	81.3
GA 98028	81.2
LSD	0.7

 STRENGTH (G/TEX)

FM 960BR	33.8
PHYTOGEN 72	33.6
FM 960B2R	32.4
GA 98028	32.0
ST 5599BR	31.3
DP 432R	31.0
DP 393	30.7
PHY 370WR	30.6
DPL 455BR	30.5
DPL 445BR	30.4
PM 2167 RR	30.1
DP 444 BR	29.9
STV 4892 BR	29.9
DP 555 R/R	29.4
STV 5242BR	28.4
LSD	1.5

 E

DP 393	9.0
DP 432R	8.8
DPL 445BR	8.7
PHYTOGEN 72	8.6
PHY 370WR	8.4
PM 2167 RR	8.2
DP 444 BR	8.1

 MICRONAIRE (SL-HVI)

DP 432R	5.08
STV 4892 BR	5.06
PM 2167 RR	5.02
PHY 370WR	5.01
ST 5599BR	4.97
DP 393	4.95
DPL 445BR	4.90

 COLORIMETER - Rd

GA 98028	76.0
DP 555 R/R	72.2
FM 960B2R	71.6
DPL 445BR	71.6
DP 444 BR	71.4
DPL 455BR	71.3
PHY 370WR	70.9

STV 4892 BR	8.1
ST 5599BR	8.0
STV 5242BR	7.8
FM 960BR	7.7
DPL 455BR	7.6
FM 960B2R	7.6
DP 555 R/R	7.3
GA 98028	7.0
LSD	0.4

DP 555 R/R	4.89
FM 960BR	4.77
GA 98028	4.70
FM 960B2R	4.68
PHYTOGEN 72	4.61
STV 5242BR	4.58
DP 444 BR	4.54
DPL 455BR	4.44
LSD	0.28

FM 960BR	70.7
ST 5599BR	70.5
STV 5242BR	70.4
STV 4892 BR	70.3
PHYTOGEN 72	69.6
DP 432R	69.5
DP 393	69.5
PM 2167 RR	68.8
LSD	1.2

 COLORIMETER - b

GA 98028	9.0
DPL 445BR	8.7
PHYTOGEN 72	8.6
DP 432R	8.6
ST 5599BR	8.6
DPL 455BR	8.5
STV 4892 BR	8.5
DP 393	8.3
PM 2167 RR	8.2
DP 444 BR	8.1
STV 5242BR	8.1
PHY 370WR	8.1
FM 960B2R	7.8
DP 555 R/R	7.8
FM 960BR	7.5
LSD	0.4

 MICRONAIRE

DP 432R	5.02
STV 4892 BR	4.99
PHY 370WR	4.97
PM 2167 RR	4.95
ST 5599BR	4.88
DP 393	4.84
DP 555 R/R	4.79
DPL 445BR	4.74
FM 960BR	4.62
FM 960B2R	4.60
STV 5242BR	4.52
DP 444 BR	4.47
PHYTOGEN 72	4.47
GA 98028	4.35
DPL 455BR	4.35
LSD	0.31

 STELOMETER - E1

DPL 445BR	8.9
DP 432R	8.6
DP 393	8.4
PHYTOGEN 72	8.0
STV 4892 BR	7.5
DP 444 BR	7.4
STV 5242BR	7.3
PM 2167 RR	7.0
PHY 370WR	7.0
DPL 455BR	6.9
DP 555 R/R	6.5
ST 5599BR	6.5
FM 960B2R	5.7
FM 960BR	5.3
GA 98028	4.9
LSD	0.8

 STELOMETER - T1

PHYTOGEN 72	239
FM 960BR	221
DPL 445BR	218
FM 960B2R	216
DP 393	207
DPL 455BR	207

 FIBROGRAPH--50% S.L.

PHYTOGEN 72	0.56
DP 393	0.56
DPL 445BR	0.55
DP 444 BR	0.55
FM 960B2R	0.55
STV 4892 BR	0.54

 FIBROGRAPH--2.5% S.L.

FM 960B2R	1.15
PHYTOGEN 72	1.14
DP 393	1.12
DP 444 BR	1.10
DPL 455BR	1.10
DPL 445BR	1.10

DP 444 BR	205
ST 5599BR	204
GA 98028	202
DP 432R	200
PHY 370WR	198
STV 5242BR	197
STV 4892 BR	197
PM 2167 RR	192
DP 555 R/R	190
LSD	12

DP 432R	0.54
PHY 370WR	0.54
DPL 455BR	0.54
FM 960BR	0.53
STV 5242BR	0.53
ST 5599BR	0.53
PM 2167 RR	0.53
GA 98028	0.53
DP 555 R/R	0.51
LSD	0.01

ST 5599BR	1.10
STV 4892 BR	1.09
FM 960BR	1.09
DP 555 R/R	1.09
STV 5242BR	1.07
DP 432R	1.07
PHY 370WR	1.07
GA 98028	1.06
PM 2167 RR	1.02
LSD	0.03

 YARN TENACITY

PHYTOGEN 72	133
DPL 455BR	122
FM 960BR	122
DP 444 BR	120
DPL 445BR	118
FM 960B2R	117
PHY 370WR	115
DP 393	114
ST 5599BR	111
DP 432R	110
STV 4892 BR	109
STV 5242BR	108
PM 2167 RR	106
DP 555 R/R	105
GA 98028	76
LSD	8

 AREALOMETER - A (mm²/mm³)

DPL 455BR	433
FM 960BR	430
DPL 445BR	429
STV 5242BR	429
DP 555 R/R	427
PHYTOGEN 72	426
ST 5599BR	424
DP 393	421
FM 960B2R	420
STV 4892 BR	414
DP 432R	413
GA 98028	410
DP 444 BR	404
PM 2167 RR	403
PHY 370WR	403
LSD	23.3

 AREALOMETER - D (mm²/mm³)

STV 4892 BR	29.1
DPL 445BR	27.1
STV 5242BR	25.6
PM 2167 RR	24.8
DP 555 R/R	24.4
ST 5599BR	23.4
FM 960B2R	23.0
DPL 455BR	22.8
DP 432R	22.8
DP 393	21.9
PHY 370WR	21.1
PHYTOGEN 72	20.1
GA 98028	20.0
DP 444 BR	19.6
FM 960BR	19.2
LSD	3.2

 AREALOMETER - I

STV 4892 BR	1.74
DPL 445BR	1.70
STV 5242BR	1.67
PM 2167 RR	1.65
DP 555 R/R	1.64
ST 5599BR	1.63

 AREALOMETER - M (PERCENT)

FM 960BR	92
DP 444 BR	92
GA 98028	92
PHYTOGEN 72	91
PHY 370WR	91
DP 393	90

 AREALOMETER - p (Microns)

STV 4892 BR	52.96
PM 2167 RR	51.63
DPL 445BR	49.79
DP 432R	49.31
PHY 370WR	49.24
STV 5242BR	49.05

FM 960B2R	1.61
DP 432R	1.61
DPL 455BR	1.61
DP 393	1.59
PHY 370WR	1.58
PHYTOGEN 72	1.55
GA 98028	1.55
DP 444 BR	1.54
FM 960BR	1.53
LSD	0.07

FM 960B2R	89
DP 432R	89
DPL 455BR	89
ST 5599BR	88
DP 555 R/R	88
PM 2167 RR	87
STV 5242BR	87
DPL 445BR	85
STV 4892 BR	84
LSD	3

FM 960B2R	48.33
DP 555 R/R	48.32
ST 5599BR	48.18
DP 444 BR	47.86
GA 98028	47.50
DP 393	47.46
DPL 455BR	46.75
PHYTOGEN 72	45.79
FM 960BR	44.88
LSD	2.20

AREALOMETER - w (MG/INCH)

STV 4892 BR	4.98
PM 2167 RR	4.96
PHY 370WR	4.74
DP 432R	4.69
DP 444 BR	4.59
DPL 445BR	4.50
GA 98028	4.48
FM 960B2R	4.47
STV 5242BR	4.45
ST 5599BR	4.42
DP 555 R/R	4.40
DP 393	4.36
DPL 455BR	4.19
PHYTOGEN 72	4.19
FM 960BR	4.07
LSD	0.42

AREALOMETER - t (MICRONS)

DP 444 BR	3.2
PHY 370WR	3.1
GA 98028	3.1
PM 2167 RR	3.1
DP 432R	3.1
DP 393	3.0
PHYTOGEN 72	3.0
FM 960B2R	3.0
FM 960BR	3.0
STV 4892 BR	3.0
ST 5599BR	2.9
DP 555 R/R	2.9
STV 5242BR	2.9
DPL 455BR	2.9
DPL 445BR	2.9
LSD	0.2

SEED YIELD (LB/ACRE)

PHY 370WR	1357
DP 555 R/R	1340
ST 5599BR	1317
DP 393	1289
FM 960BR	1259
DPL 455BR	1237
STV 4892 BR	1219
DPL 445BR	1212
DP 432R	1194
DP 444 BR	1178
FM 960B2R	1140
PHYTOGEN 72	1112
STV 5242BR	1107
PM 2167 RR	968
GA 98028	581
LSD	178

OIL (PERCENT)

PM 2167 RR	21.13
FM 960B2R	20.40
FM 960BR	20.27
ST 5599BR	20.02

NITROGEN (PERCENT)

DPL 455BR	3.85
DP 444 BR	3.85
PM 2167 RR	3.83
DP 555 R/R	3.77

PLUS GOSSYPOL

DPL 445BR	1.04
STV 4892 BR	1.01
ST 5599BR	0.99
DP 432R	0.98

DP 444 BR	19.82
PHYTOGEN 72	19.72
GA 98028	19.55
PHY 370WR	19.24
DP 432R	18.84
DPL 445BR	18.52
STV 4892 BR	18.35
DP 393	17.77
STV 5242BR	17.62
DP 555 R/R	17.29
DPL 455BR	16.56
LSD	1.16

STV 5242BR	3.76
ST 5599BR	3.75
PHY 370WR	3.72
GA 98028	3.72
DP 432R	3.70
PHYTOGEN 72	3.67
DP 393	3.66
FM 960B2R	3.59
STV 4892 BR	3.57
DPL 445BR	3.53
FM 960BR	3.53
LSD	0.16

PHY 370WR	0.94
DP 393	0.90
DP 444 BR	0.87
STV 5242BR	0.86
PM 2167 RR	0.85
FM 960B2R	0.77
FM 960BR	0.74
DPL 455BR	0.73
GA 98028	0.73
DP 555 R/R	0.66
PHYTOGEN 72	0.66
LSD	0.09

 MINUS GOSSYPOL

DPL 445BR	0.69
STV 4892 BR	0.65
DP 393	0.62
PHY 370WR	0.60
DP 432R	0.58
ST 5599BR	0.57
FM 960B2R	0.53
FM 960BR	0.51
DP 444 BR	0.51
STV 5242BR	0.50
PHYTOGEN 72	0.46
GA 98028	0.46
DPL 455BR	0.45
DP 555 R/R	0.45
PM 2167 RR	0.43
LSD	0.06

 TOTAL GOSSYPOL (PERCENT)

DPL 445BR	1.73
STV 4892 BR	1.65
DP 432R	1.57
ST 5599BR	1.56
PHY 370WR	1.54
DP 393	1.52
DP 444 BR	1.38
STV 5242BR	1.36
FM 960B2R	1.31
PM 2167 RR	1.28
FM 960BR	1.26
GA 98028	1.19
DPL 455BR	1.18
PHYTOGEN 72	1.12
DP 555 R/R	1.11
LSD	0.14

LOCATION	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 (%)	
JACKSON, TN	1630	.	.	.	.	.	.	.	.
GRIFFIN, GA	1266	.	42.0	.	122	1.12	0.55	200	6.9	
ROCKY MOUNT, NC	1172	5.64	42.4	.	133	1.14	0.57	216	6.4	
SUFFOLK, VA	1159	4.32	.	.	125	1.19	0.57	204	7.6	
STARKVILLE, MS	955	4.71	42.6	.	123	1.07	0.54	213	7.9	
FLORENCE, SC	873	.	42.0	9.9	100	1.10	0.53	206	7.5	
AUBURN, AL	710	4.51	41.6	9.2	111	1.05	0.52	208	7.3	
BELLE MINA, AL	413	4.14	43.8	8.8	96	1.02	0.52	199	6.6	

LOCATION	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	MICRO- NAIRE b (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
JACKSON, TN	.	.	.	.	.	.	.	.	.	.
GRIFFIN, GA	4.47	1.10	82.6	31.0	7.9	68.3	7.5	4.53	1747	19.71
ROCKY MOUNT, NC	4.85	1.14	83.6	32.0	8.2	73.2	8.8	4.94	1621	21.94
SUFFOLK, VA	4.32	1.16	84.3	30.4	8.4	70.0	7.3	4.35	.	19.25
STARKVILLE, MS	4.80	1.06	82.3	30.1	8.2	74.0	7.9	4.90	1289	17.72
FLORENCE, SC	5.22	1.11	80.9	29.5	8.4	59.3	7.6	5.32	1199	18.67
AUBURN, AL	4.61	1.04	81.5	31.6	7.8	75.8	8.8	4.74	995	18.82
BELLE MINA, AL	4.71	1.01	81.0	31.5	8.0	74.4	9.7	4.86	525	17.59

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
JACKSON, TN	.	.	.	.	.	.	.	.	.	.
GRIFFIN, GA	0.96	0.62	1.59	435	25.0	1.66	87	47.89	4.27	2.8
ROCKY MOUNT, NC	0.94	0.61	1.55	406	21.3	1.58	90	48.90	4.67	3.1
SUFFOLK, VA	0.99	0.69	1.68	452	32.5	1.81	82	50.52	4.36	2.7
STARKVILLE, MS	0.78	0.45	1.23	404	20.0	1.55	91	48.09	4.60	3.1
FLORENCE, SC	0.83	0.57	1.41	396	24.4	1.64	88	52.23	5.12	3.1
AUBURN, AL	0.78	0.44	1.21	415	22.3	1.60	89	48.64	4.57	3.0
BELLE MINA, AL	0.75	0.43	1.17	425	23.7	1.63	88	48.12	4.40	2.9

LOCATION=FLORENCE, SC

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH (2.5% S.L. 50% S.L.)		STELOMETER (T1 E1)	
							(inches)	(inches)	(mN/tex)	(%)
1224	DP 555 R/R	1230	.	44.3	8.9	97	1.11	0.51	191	6.5
1251	ST 5599BR	1066	.	42.5	10.4	81	1.11	0.53	210	6.0
1292	DP 393	978	.	41.3	10.4	105	1.14	0.56	213	9.1
1281	DPL 455BR	975	.	43.9	8.5	103	1.11	0.52	204	7.2
1241	DP 444 BR	958	.	42.4	10.0	102	1.08	0.53	201	7.3
1256	FM 960BR	919	.	41.4	10.6	114	1.12	0.55	210	6.0
1316	PHY 370WR	915	.	42.3	9.7	103	1.08	0.54	191	7.9
1295	STV 5242BR	905	.	42.8	10.9	93	1.06	0.53	195	7.8
1282	DPL 445BR	842	.	42.1	9.8	103	1.09	0.54	210	9.2
1315	DP 432R	826	.	41.6	9.3	98	1.10	0.55	197	9.0
1196	STV 4892 BR	712	.	42.0	10.3	95	1.08	0.52	205	8.3
1255	FM 960B2R	690	.	41.8	10.8	100	1.16	0.54	222	5.7
1214	PM 2167 RR	650	.	40.7	9.5	81	0.99	0.52	191	7.2
1166	PHYTOGEN 72	553	.	39.0	10.0	124	1.14	0.54	247	8.0
.	LSD	225	.	1.2	0.6	10	0.05	0.03	9	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	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	5.45	1.10	80.7	29.0	7.9	60.0	7.9	5.50	1542	17.43	3.92
1251	ST 5599BR	5.65	1.10	80.0	30.0	8.3	60.5	7.6	5.80	1441	20.28	4.04
1292	DP 393	5.10	1.15	82.1	28.5	9.1	57.0	7.6	5.25	1391	17.18	3.83
1281	DPL 455BR	4.95	1.10	80.2	30.0	8.0	62.0	7.9	4.95	1248	14.59	4.29
1241	DP 444 BR	4.90	1.10	81.2	28.0	8.1	61.5	7.4	4.95	1299	19.61	4.32
1256	FM 960BR	5.25	1.10	80.6	34.0	8.2	58.5	7.1	5.35	1306	20.25	3.48
1316	PHY 370WR	5.20	1.10	81.4	30.0	8.9	59.0	7.3	5.45	1248	18.69	3.76
1295	STV 5242BR	5.55	1.05	81.6	27.5	8.2	61.0	7.4	5.60	1218	18.38	3.98
1282	DPL 445BR	5.05	1.10	81.2	27.5	8.7	61.0	8.4	5.30	1165	18.22	3.71

1315	DP 432R	5.40	1.10	81.0	28.5	9.2	57.0	7.4	5.50	1160	18.89	3.80
1196	STV 4892 BR	5.20	1.10	80.7	28.5	8.6	60.0	8.0	5.35	986	18.23	3.72
1255	FM 960B2R	5.05	1.20	81.1	32.5	7.9	57.5	6.9	5.20	960	20.05	3.67
1214	PM 2167 RR	5.55	1.00	80.7	28.0	8.2	56.0	7.7	5.50	953	21.01	3.98
1166	PHYTOGEN 72	4.75	1.20	81.0	31.5	8.4	58.5	8.0	4.75	869	18.67	3.88
.	LSD	0.55	0.06	1.2	1.7	0.6	5.5	0.8	0.38	311	0.83	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)	
1224	DP 555 R/R	0.75	0.55	1.30	386	21.0	1.58	91	51.19	5.13	3.3	
1251	ST 5599BR	1.02	0.62	1.63	.	.	.	.	.	.	.
1292	DP 393	0.89	0.66	1.55	.	.	.	.	.	.	.
1281	DPL 455BR	0.61	0.41	1.02	.	.	.	.	.	.	.
1241	DP 444 BR	0.83	0.53	1.35	.	.	.	.	.	.	.
1256	FM 960BR	0.72	0.56	1.28	.	.	.	.	.	.	.
1316	PHY 370WR	0.90	0.64	1.53	.	.	.	.	.	.	.
1295	STV 5242BR	0.80	0.50	1.30	.	.	.	.	.	.	.
1282	DPL 445BR	0.97	0.68	1.64	.	.	.	.	.	.	.
1315	DP 432R	0.90	0.62	1.52	.	.	.	.	.	.	.
1196	STV 4892 BR	1.00	0.71	1.71	393	31.3	1.79	83	57.22	5.65	3.1	
1255	FM 960B2R	0.78	0.59	1.36	397	23.5	1.63	89	51.56	5.04	3.1	
1214	PM 2167 RR	0.84	0.46	1.30	383	25.3	1.67	87	54.63	5.52	3.2	
1166	PHYTOGEN 72	0.70	0.53	1.23	423	20.8	1.57	91	46.56	4.26	3.0	
.	LSD	0.09	0.09	0.16	25.9	4.3	0.09	4	1.52	0.43	0.3	

LOCATION=ROCKY MOUNT, NC

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 (%)
1224	DP 555 R/R	1402	5.05	44.5	.	128	1.15	0.54	204	5.9
1316	PHY 370WR	1345	5.65	43.2	.	129	1.13	0.57	222	6.8
1241	DP 444 BR	1306	5.34	43.8	.	133	1.15	0.58	205	6.5
1281	DPL 455BR	1258	4.91	44.4	.	144	1.17	0.57	228	6.4
1282	DPL 445BR	1238	5.68	43.8	.	131	1.14	0.57	226	8.3
1196	STV 4892 BR	1210	5.70	43.5	.	126	1.13	0.56	202	6.1
1255	FM 960B2R	1135	6.24	40.4	.	139	1.16	0.57	221	4.7
1251	ST 5599BR	1089	6.75	41.4	.	132	1.14	0.56	212	5.7
1166	PHYTOGEN 72	999	5.49	40.5	.	153	1.21	0.61	250	7.4

1214	PM 2167 RR	741	5.56	38.9	.	120	1.05	0.56	191	6.2
.	LSD	126	0.48	1.6	.	6	0.05	0.04	21	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)	E	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	4.90	1.10	82.0	31.5	7.8	74.5	8.2	5.15	1783	19.70	3.44
1316	PHY 370WR	5.00	1.10	83.7	30.5	8.6	73.0	8.1	5.00	1772	22.70	3.38
1241	DP 444 BR	4.45	1.15	84.5	30.5	8.0	75.0	8.5	4.40	1654	22.21	3.48
1281	DPL 455BR	4.45	1.20	83.6	33.0	7.9	73.5	9.2	4.50	1641	19.21	3.42
1282	DPL 445BR	4.90	1.10	83.8	31.0	8.8	74.0	8.8	5.00	1605	19.91	3.31
1196	STV 4892 BR	5.30	1.10	83.3	31.0	8.2	73.5	9.5	5.35	1676	21.75	3.17
1255	FM 960B2R	4.85	1.20	83.8	34.5	7.8	74.0	8.7	4.85	1589	23.80	3.20
1251	ST 5599BR	5.00	1.10	83.7	31.0	7.8	70.5	9.4	5.20	1719	24.07	3.36
1166	PHYTOGEN 72	4.55	1.20	84.8	35.0	8.8	71.5	9.1	4.75	1562	22.50	3.28
1214	PM 2167 RR	5.05	1.10	83.0	31.5	8.5	72.5	8.6	5.15	1209	23.55	3.42
.	LSD	0.28	0.05	1.0	2.1	0.5	2.1	0.9	0.16	142	0.89	0.28

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.68	0.49	1.17	414	20.3	1.56	91	47.21	4.41	3.0
1316	PHY 370WR	1.02	0.70	1.71	.	.	.	.	.	.	.
1241	DP 444 BR	0.97	0.60	1.57	.	.	.	.	.	.	.
1281	DPL 455BR	0.82	0.52	1.33	.	.	.	.	.	.	.
1282	DPL 445BR	1.17	0.80	1.97	.	.	.	.	.	.	.
1196	STV 4892 BR	1.22	0.82	2.04	391	25.3	1.67	87	53.58	5.30	3.2
1255	FM 960B2R	0.81	0.56	1.36	397	18.5	1.52	93	48.00	4.68	3.2
1251	ST 5599BR	1.09	0.63	1.71	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.71	0.53	1.24	424	17.3	1.49	94	44.02	4.02	3.1
1214	PM 2167 RR	0.91	0.48	1.39	405	25.3	1.67	87	51.71	4.95	3.1
.	LSD	0.08	0.08	0.15	34.0	4.6	0.11	4	3.29	0.65	0.4

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 (%)
1281	DPL 455BR	1308	4.52	.	.	130	1.24	0.59	193	9.8
1224	DP 555 R/R	1292	4.50	.	.	122	1.17	0.55	205	7.2
1256	FM 960BR	1267	4.30	.	.	134	1.18	0.57	229	6.0
1241	DP 444 BR	1247	4.40	.	.	129	1.22	0.58	202	7.8
1295	STV 5242BR	1164	4.39	.	.	118	1.15	0.57	184	8.3
1251	ST 5599BR	1164	4.23	.	.	121	1.22	0.56	203	7.3
1196	STV 4892 BR	1143	4.27	.	.	118	1.18	0.57	193	8.3
1166	PHYTOGEN 72	1132	4.27	.	.	142	1.26	0.62	241	7.7
1292	DP 393	1036	4.29	.	.	115	1.17	0.57	175	8.6
1214	PM 2167 RR	999	4.08	.	.	113	1.07	0.55	198	7.3
1255	FM 960B2R	992	4.33	.	.	135	1.25	0.59	220	5.0
.	LSD	250	0.17	.	.	9	0.04	0.03	7	1.7

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1281	DPL 455BR	4.00	1.20	85.0	29.0	8.7	70.0	7.3	4.30	.	16.95	3.25
1224	DP 555 R/R	4.20	1.15	84.6	29.5	8.1	71.0	7.9	4.15	.	17.59	3.67
1256	FM 960BR	4.40	1.10	83.4	34.0	8.1	71.0	6.7	4.40	.	20.81	3.48
1241	DP 444 BR	4.00	1.20	85.8	29.0	8.3	69.0	6.6	4.10	.	21.04	3.74
1295	STV 5242BR	4.50	1.10	84.0	28.0	8.6	68.5	7.5	4.45	.	17.59	3.44
1251	ST 5599BR	4.35	1.20	83.4	31.0	8.3	71.0	7.9	4.10	.	19.34	3.28
1196	STV 4892 BR	4.60	1.10	83.8	30.0	7.9	70.5	7.3	4.55	.	18.23	3.26
1166	PHYTOGEN 72	4.20	1.25	85.2	33.0	8.7	69.5	7.5	4.30	.	20.73	3.36
1292	DP 393	4.20	1.15	84.8	28.5	8.7	70.0	7.5	4.25	.	19.16	3.52
1214	PM 2167 RR	5.00	1.10	82.5	29.0	8.5	68.0	7.1	5.00	.	20.86	3.72
1255	FM 960B2R	4.10	1.20	84.8	33.0	8.1	72.0	7.7	4.20	.	19.48	3.56
.	LSD	0.63	0.10	1.6	2.7	1.5	2.7	1.1	0.32	.	1.88	0.31

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 (%)
1295	STV 5242BR	846	5.66	41.8	10.2	113	1.06	0.53	198	6.5
1292	DP 393	789	4.35	41.8	9.1	113	1.06	0.53	219	7.7
1224	DP 555 R/R	782	4.21	44.7	7.7	79	1.00	0.48	189	7.8
1196	STV 4892 BR	771	4.37	42.2	9.6	113	1.05	0.54	198	8.9
1316	PHY 370WR	768	4.42	42.1	9.1	120	1.08	0.55	211	6.4
1251	ST 5599BR	747	5.35	41.4	10.2	105	1.07	0.52	189	6.4
1282	DPL 445BR	732	4.35	42.3	8.7	120	1.07	0.54	222	7.7
1315	DP 432R	711	3.93	40.9	8.5	115	1.05	0.53	211	8.3
1255	FM 960B2R	698	4.69	41.5	10.1	93	1.09	0.52	213	7.2
1281	DPL 455BR	694	3.93	43.0	8.1	119	1.07	0.53	212	6.9
1256	FM 960BR	671	4.97	39.9	10.0	120	1.05	0.51	218	4.7
1241	DP 444 BR	637	4.20	40.6	9.7	112	1.04	0.54	200	6.8
1214	PM 2167 RR	554	4.50	40.3	8.9	95	1.03	0.52	200	7.9
1166	PHYTOGEN 72	548	4.29	40.0	9.1	137	1.07	0.52	236	9.6
.	LSD	104	0.39	1.0	0.7	23	0.03	0.02	16	1.2

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL (%)	NITR OGEN (%)
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	Rd	HUNTER'S b	NAIRE (Reading)	YIELD (lb/ac)		
1295	STV 5242BR	4.25	1.05	81.9	28.5	7.5	77.5	8.9	4.55	1178	18.66	3.96
1292	DP 393	4.75	1.10	82.4	32.0	9.1	75.5	9.2	4.95	1100	17.42	3.74
1224	DP 555 R/R	5.15	0.95	80.1	29.5	6.7	78.0	8.1	5.20	965	16.29	4.01
1196	STV 4892 BR	5.00	1.00	82.8	32.5	8.3	75.0	9.1	5.10	1057	18.14	3.80
1316	PHY 370WR	4.45	1.05	82.5	32.0	8.1	76.0	8.5	4.60	1058	18.92	3.93
1251	ST 5599BR	4.90	1.00	80.7	32.0	7.8	75.5	9.1	5.10	1055	21.48	4.14
1282	DPL 445BR	4.70	1.05	82.3	32.0	8.5	75.5	9.1	4.80	996	18.43	3.52
1315	DP 432R	4.75	1.10	82.0	32.0	8.2	75.0	9.4	4.80	1026	19.26	3.81
1255	FM 960B2R	4.40	1.10	80.8	33.0	7.0	78.5	8.5	4.55	982	19.84	3.93
1281	DPL 455BR	4.25	1.05	80.6	30.5	7.0	76.0	8.7	4.25	924	14.70	4.41
1256	FM 960BR	4.60	1.05	81.1	34.0	7.3	76.5	8.4	4.65	1012	20.30	3.74
1241	DP 444 BR	4.30	1.05	81.9	29.0	7.5	75.0	8.7	4.40	931	20.39	4.06
1214	PM 2167 RR	4.60	1.00	80.9	31.5	7.9	73.0	8.9	4.85	820	20.05	4.02
1166	PHYTOGEN 72	4.40	1.05	81.3	34.0	8.7	74.0	9.4	4.55	822	19.62	4.06
.	LSD	0.44	0.12	1.5	1.9	0.4	2.9	0.5	0.30	139	0.64	0.12

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	(%)	p (microns)	w (mg/in)	t (microns)
1295	STV 5242BR	0.74	0.40	1.14	408	24.0	1.64	88	50.57	4.83	3.1
1292	DP 393	0.76	0.52	1.28	428	18.8	1.53	93	44.73	4.04	3.0
1224	DP 555 R/R	0.60	0.36	0.95	430	26.5	1.69	86	49.47	4.45	2.9
1196	STV 4892 BR	0.94	0.54	1.48	387	23.8	1.64	88	53.15	5.33	3.2
1316	PHY 370WR	0.85	0.48	1.33	396	21.5	1.59	90	50.41	4.94	3.2
1251	ST 5599BR	0.88	0.41	1.29	396	20.5	1.56	91	49.58	4.85	3.2
1282	DPL 445BR	1.00	0.62	1.61	436	29.0	1.74	84	50.14	4.47	2.8
1315	DP 432R	0.94	0.52	1.46	385	20.8	1.57	91	51.44	5.23	3.3
1255	FM 960B2R	0.73	0.47	1.20	426	20.8	1.57	91	46.34	4.22	3.0
1281	DPL 455BR	0.57	0.30	0.86	437	22.8	1.61	89	46.61	4.17	2.9
1256	FM 960BR	0.64	0.40	1.04	446	19.0	1.53	93	43.19	3.77	2.9
1241	DP 444 BR	0.87	0.43	1.29	396	22.8	1.62	89	51.17	5.01	3.2
1214	PM 2167 RR	0.78	0.35	1.13	397	21.3	1.58	90	49.99	4.87	3.2
1166	PHYTOGEN 72	0.61	0.37	0.98	443	20.3	1.56	91	44.14	3.86	2.9
.	LSD	0.07	0.07	0.11	24.3	3.1	0.07	3	3.84	0.58	0.2

LOCATION=STARKVILLE, MS

VARIETY CODE	VARIETY NAME	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)	(%)
1315	DP 432R	1113	4.00	41.9	.	121	1.08	0.55	198	9.4
1316	PHY 370WR	1099	4.55	43.2	.	117	1.02	0.52	197	7.4
1281	DPL 455BR	1058	4.42	44.9	.	120	1.03	0.52	206	6.8
1292	DP 393	1057	4.37	43.3	.	123	1.12	0.56	213	9.4
1295	STV 5242BR	1034	5.48	43.5	.	111	1.06	0.53	215	7.4
1196	STV 4892 BR	999	4.60	43.5	.	112	1.09	0.55	197	7.5
1282	DPL 445BR	993	4.73	43.2	.	132	1.11	0.55	222	11.5
1251	ST 5599BR	987	5.26	42.0	.	139	1.04	0.53	241	8.0
1256	FM 960BR	954	5.12	41.1	.	131	1.07	0.53	226	5.4
1241	DP 444 BR	933	4.58	44.0	.	143	1.11	0.56	244	9.0
1224	DP 555 R/R	908	4.47	44.1	.	102	1.07	0.52	189	7.2
1214	PM 2167 RR	791	4.83	39.3	.	119	1.00	0.53	185	6.5
1255	FM 960B2R	728	5.03	41.6	.	119	1.11	0.53	205	6.0
1166	PHYTOGEN 72	720	4.50	40.6	.	141	1.08	0.55	243	8.5
.	LSD	177	0.62	1.4	.	7	0.07	0.03	20	1.1

		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)	(%)	(%)
1315	DP 432R	5.00	1.05	83.1	30.0	8.8	73.5	8.6	5.00	1402	17.78	3.58
1316	PHY 370WR	5.00	1.00	82.0	29.0	8.3	73.5	7.7	5.00	1421	17.84	3.79
1281	DPL 445BR	4.40	1.05	81.8	29.5	7.5	74.0	8.2	4.55	1418	15.33	4.05
1292	DP 393	4.95	1.10	83.1	30.0	9.1	74.0	7.7	5.10	1346	16.02	3.52
1295	STV 5242BR	4.95	1.05	81.9	27.0	7.7	74.0	7.5	4.90	1326	17.96	3.63
1196	STV 4892 BR	5.10	1.05	82.7	28.0	8.1	73.0	8.8	5.20	1387	16.62	3.68
1282	DPL 445BR	4.60	1.10	83.0	29.5	8.5	74.5	8.1	4.75	1334	16.84	3.55
1251	ST 5599BR	4.60	1.10	82.1	33.0	8.7	74.0	8.5	4.80	1615	18.44	3.78
1256	FM 960BR	4.25	1.05	82.7	31.0	7.4	74.0	6.9	4.55	1315	19.96	3.29
1241	DP 444 BR	5.10	1.10	82.2	34.0	9.0	74.0	8.6	5.10	1107	17.33	4.06
1224	DP 555 R/R	4.80	1.05	81.3	28.0	7.2	76.0	6.8	5.00	1201	17.17	3.80
1214	PM 2167 RR	5.00	1.00	82.4	30.0	8.2	72.0	8.0	5.05	1039	20.07	4.03
1255	FM 960B2R	4.60	1.10	81.4	29.0	7.0	76.0	7.5	4.60	1031	18.84	3.62
1166	PHYTOGEN 72	4.85	1.10	82.2	33.5	8.9	74.0	8.6	4.95	1103	17.89	3.92
.	LSD	0.35	0.10	0.9	1.4	0.6	2.3	0.5	0.30	239	1.15	0.22

		---GOSSYPOL LEVELS---			---AREALOMETER DATA---						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1315	DP 432R	0.91	0.51	1.42	.	.	.	.	.	.
1316	PHY 370WR	0.91	0.52	1.43	.	.	.	.	.	.
1281	DPL 445BR	0.68	0.38	1.05	.	.	.	.	.	.
1292	DP 393	0.77	0.52	1.29	.	.	.	.	.	.
1295	STV 5242BR	0.83	0.44	1.26	.	.	.	.	.	.
1196	STV 4892 BR	0.89	0.49	1.38	392	20.5	1.56	91	50.09	4.94	3.2
1282	DPL 445BR	0.97	0.61	1.57	.	.	.	.	.	.
1251	ST 5599BR	0.68	0.40	1.08	412	22.5	1.61	89	48.95	4.59	3.0
1256	FM 960BR	0.72	0.45	1.17	.	.	.	.	.	.
1241	DP 444 BR	0.68	0.39	1.07	390	13.5	1.0	97	44.94	4.45	3.4
1224	DP 555 R/R	0.72	0.41	1.13	405	20.0	1.5	92	48.07	4.59	3.1
1214	PM 2167 RR	0.82	0.39	1.21	404	24.3	1.64	88	51.06	4.88	3.1
1255	FM 960B2R	0.72	0.43	1.15	428	21.5	1.59	90	46.55	4.22	3.0

1166	PHYTOGEN 72	0.68	0.40	1.08	401	18.0	1.51	93	46.95	4.52	3.2
.	LSD	0.07	0.07	0.10	29.6	8.3	0.19	7	3.11	0.26	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 FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1295	STV 5242BR	535	4.83	44.8	9.8	100	1.05	0.54	187	7.3
1316	PHY 370WR	511	3.96	44.8	8.5	101	1.01	0.51	178	7.1
1315	DP 432R	492	3.79	44.4	8.0	101	1.02	0.54	209	7.8
1282	DPL 445BR	475	4.50	44.8	8.8	104	1.06	0.56	222	8.3
1292	DP 393	475	4.18	44.8	9.0	103	1.08	0.57	215	7.3
1256	FM 960BR	448	4.80	43.2	10.1	95	0.98	0.50	223	5.1
1225	GA 98028	437	4.49	42.8	9.9	76	1.06	0.53	202	4.9
1241	DP 444 BR	392	4.01	45.0	9.1	104	1.04	0.53	197	6.9
1251	ST 5599BR	380	4.47	43.2	9.4	80	0.99	0.50	172	5.9
1224	DP 555 R/R	358	3.66	45.7	6.4	91	0.97	0.48	169	5.3
1214	PM 2167 RR	351	4.14	42.8	8.8	101	0.97	0.51	194	7.4
1281	DPL 455BR	329	3.37	43.4	7.5	108	1.00	0.51	213	6.7
1196	STV 4892 BR	324	3.91	43.1	9.3	81	1.01	0.52	195	5.9
1166	PHYTOGEN 72	279	3.94	40.7	9.0	102	1.05	0.54	218	7.0
.	LSD	138	0.42	1.3	1.0	28	0.05	0.03	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	RD	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1295	STV 5242BR	4.75	1.00	82.0	29.5	7.7	75.5	9.8	4.80	658	18.47	4.01
1316	PHY 370WR	5.15	1.00	81.0	31.0	8.3	74.0	9.9	5.05	628	16.09	4.00
1315	DP 432R	5.00	1.00	81.9	34.5	9.3	74.0	10.0	5.15	612	17.90	3.88
1282	DPL 445BR	4.75	1.05	81.5	32.5	9.1	75.0	9.9	5.00	584	19.10	3.79
1292	DP 393	4.90	1.00	81.4	33.5	9.3	72.0	9.9	5.05	586	17.27	3.91
1256	FM 960BR	4.90	1.00	80.5	33.0	7.4	76.0	9.1	5.15	589	17.99	3.85
1225	GA 98028	4.35	1.10	81.2	32.0	7.0	76.0	9.0	4.70	581	19.55	3.72
1241	DP 444 BR	4.35	1.00	81.2	31.0	8.0	75.0	9.7	4.55	476	16.61	3.72
1251	ST 5599BR	5.40	1.00	80.9	29.5	7.5	74.5	10.0	5.35	496	16.35	4.17
1224	DP 555 R/R	4.45	0.95	78.8	27.0	6.5	75.5	9.1	4.65	425	15.46	3.97
1214	PM 2167 RR	4.75	0.95	81.5	31.5	8.1	73.5	9.7	4.95	463	19.71	4.07
1281	DPL 455BR	3.85	1.00	79.9	30.0	7.0	73.5	10.5	4.00	424	17.73	3.68

1196	STV 4892 BR	5.10	1.00	81.2	30.0	7.8	72.5	10.0	5.30	423	16.85	3.81
1166	PHYTOGEN 72	4.25	1.05	81.0	35.5	8.6	74.0	9.9	4.40	407	17.14	3.79
.	LSD	0.32	0.08	1.5	2.7	0.5	2.6	0.6	0.24	160	2.74	0.27

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1295	STV 5242BR	0.74	0.40	1.14	451	27.3	1.71	86	47.54	4.08	2.7
1316	PHY 370WR	0.81	0.47	1.28	410	20.8	1.57	91	48.07	4.54	3.1
1315	DP 432R	0.98	0.53	1.51	442	24.8	1.66	87	47.17	4.15	2.8
1282	DPL 445BR	0.96	0.61	1.57	423	25.3	1.67	87	49.45	4.52	2.9
1292	DP 393	0.75	0.52	1.27	415	25.0	1.66	88	50.19	4.68	3.0
1256	FM 960BR	0.65	0.41	1.06	414	19.4	1.53	92	46.57	4.38	3.1
1225	GA 98028	0.73	0.46	1.19	410	20.0	1.55	92	47.50	4.48	3.1
1241	DP 444 BR	0.80	0.42	1.22	425	22.5	1.61	89	47.48	4.32	3.0
1251	ST 5599BR	0.84	0.42	1.26	466	27.3	1.71	85	46.00	3.82	2.7
1224	DP 555 R/R	0.53	0.31	0.84	426	23.5	1.62	89	47.70	4.33	3.0
1214	PM 2167 RR	0.85	0.38	1.22	405	21.0	1.58	91	48.72	4.67	3.1
1281	DPL 455BR	0.54	0.30	0.83	429	22.8	1.61	89	46.89	4.22	2.9
1196	STV 4892 BR	0.86	0.49	1.34	458	33.8	1.84	81	50.32	4.25	2.6
1166	PHYTOGEN 72	0.46	0.29	0.74	377	18.0	1.51	94	50.16	5.15	3.4
.	LSD	0.16	0.16	0.24	28.0	7.2	0.15	6	2.51	0.34	0.3

LOCATION=GRIFFIN, GA

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 (%)
1224	DP 555 R/R	1683	.	44.3	.	118	1.15	0.53	183	6.0
1316	PHY 370WR	1492	.	42.6	.	119	1.12	0.56	191	6.5
1256	FM 960BR	1455	.	41.2	.	136	1.13	0.56	221	4.9
1292	DP 393	1434	.	41.5	.	124	1.17	0.58	210	8.3
1281	DPL 455BR	1363	.	43.6	.	132	1.11	0.54	195	4.8
1196	STV 4892 BR	1302	.	42.2	.	120	1.13	0.56	187	7.7
1166	PHYTOGEN 72	1243	.	39.5	.	136	1.18	0.58	240	7.9
1251	ST 5599BR	1195	.	43.1	.	117	1.12	0.54	201	6.4
1315	DP 432R	1181	.	40.0	.	117	1.11	0.54	188	8.8
1282	DPL 445BR	1175	.	42.6	.	122	1.14	0.56	207	8.7
1241	DP 444 BR	1162	.	42.0	.	118	1.10	0.55	187	7.4
1295	STV 5242BR	897	.	43.8	.	115	1.08	0.51	206	6.3

1214	PM 2167 RR	876	.	39.9	.	113	1.02	0.54	184	6.8
.	LSD	240	.	0.9	.	9	0.04	0.03	10	1.0

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	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1224	DP 555 R/R	4.60	1.10	82.1	31.0	7.1	70.5	6.5	4.60	2122	17.41	3.57
1316	PHY 370WR	5.00	1.05	82.3	31.0	8.2	70.0	7.3	4.95	2014	21.22	3.47
1256	FM 960BR	4.30	1.10	82.4	36.5	7.8	68.0	6.7	4.50	2075	22.34	3.33
1292	DP 393	5.15	1.15	83.4	31.5	8.6	68.5	8.2	5.10	2023	19.58	3.43
1281	DPL 455BR	4.55	1.10	81.8	31.5	7.4	70.0	7.8	4.50	1768	17.39	3.89
1196	STV 4892 BR	4.60	1.10	84.1	29.0	7.9	67.5	7.0	4.55	1787	18.65	3.56
1166	PHYTOGEN 72	4.30	1.20	82.7	32.5	8.2	66.0	8.2	4.55	1910	21.53	3.40
1251	ST 5599BR	4.25	1.10	82.5	32.5	7.5	67.5	7.7	4.45	1577	20.16	3.49
1315	DP 432R	4.95	1.10	83.7	30.0	8.4	68.0	7.7	4.95	1771	20.36	3.45
1282	DPL 445BR	4.45	1.10	81.9	30.0	8.3	69.5	7.9	4.55	1586	18.63	3.29
1241	DP 444 BR	4.20	1.10	82.4	28.0	8.0	70.5	7.6	4.30	1603	21.59	3.61
1295	STV 5242BR	3.10	1.10	82.3	30.0	7.2	66.0	7.7	3.20	1152	14.66	3.56
1214	PM 2167 RR	4.70	1.00	82.9	29.0	7.9	66.5	7.6	4.65	1323	22.67	3.58
.	LSD	0.40	0.06	1.6	2.4	0.4	2.1	0.8	0.30	331	1.26	0.15

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.60	0.46	1.05	447	23.3	1.63	89	45.63	3.96	2.8
1316	PHY 370WR	1.18	0.79	1.97	.	.	.	.	.	.	.
1256	FM 960BR	0.93	0.65	1.57	.	.	.	.	.	.	.
1292	DP 393	1.04	0.77	1.81	.	.	.	.	.	.	.
1281	DPL 455BR	0.81	0.49	1.29	.	.	.	.	.	.	.
1196	STV 4892 BR	1.00	0.66	1.65	424	31.3	1.79	82	52.93	4.82	2.9
1166	PHYTOGEN 72	0.64	0.49	1.13	444	17.8	1.50	94	42.45	3.70	2.9
1251	ST 5599BR	1.12	0.64	1.76	.	.	.	.	.	.	.
1315	DP 432R	1.20	0.74	1.93	.	.	.	.	.	.	.
1282	DPL 445BR	1.19	0.86	2.05	.	.	.	.	.	.	.
1241	DP 444 BR	1.03	0.60	1.63	.	.	.	.	.	.	.
1295	STV 5242BR	1.01	0.56	1.57	.	.	.	.	.	.	.
1214	PM 2167 RR	0.82	0.44	1.26	427	27.8	1.72	85	50.57	4.58	2.9
.	LSD	0.08	0.08	0.12	49.2	5.0	0.11	4	3.81	0.70	0.4

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**National Cotton Variety Tests, 2006
Yield, Boll, Seed, Spinning and Data**

2006 HIGH QUALITY REGIONAL COTTON VARIETY TEST

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 (%)
1313	PHY 485WRF	1238	4.44	41.2	10.1	121	1.14	0.56	219	8.5
1224	DP 555 R/R	1238	4.71	43.4	8.8	112	1.12	0.53	202	5.8
1282	DPL 445BR	1204	4.96	42.7	9.9	125	1.14	0.57	215	8.8
1196	STV 4892 BR	1182	4.96	42.6	10.9	114	1.10	0.55	199	6.9
1281	DPL 455BR	1180	4.41	43.3	9.3	130	1.14	0.55	215	6.3

1256	FM 960BR	1142	5.47	40.5	11.3	137	1.13	0.56	229	5.2
1308	DP 147RF	1135	5.14	41.3	10.1	123	1.19	0.55	208	5.5
1307	DP 143B2R	1114	4.97	40.0	10.0	120	1.21	0.56	207	6.9
1305	CS 44	1089	5.30	41.6	10.8	120	1.18	0.56	204	6.6
1306	CS 45	1084	4.57	40.0	10.0	123	1.16	0.55	218	7.7
1310	MD 391	1068	5.06	40.2	10.3	132	1.22	0.58	223	8.2
1309	FM 9063B2F	1053	5.60	39.9	11.8	130	1.18	0.56	222	6.1
1255	FM 960B2R	1039	5.42	40.3	11.1	133	1.16	0.55	235	5.3
1304	CS 38	999	5.06	39.6	11.0	128	1.17	0.57	213	7.2
1314	PHY 745WRF	996	4.84	40.5	10.6	135	1.16	0.57	231	9.0
1303	CS 37	978	4.57	39.7	9.8	120	1.14	0.55	217	7.3
1311	NM 1155	962	4.58	38.3	10.3	138	1.22	0.58	243	6.4
1166	PHYTOGEN 72	958	5.11	39.5	10.4	142	1.18	0.58	254	7.5
1312	NM 03012	953	4.88	38.9	11.0	146	1.22	0.60	263	6.9
1301	ARK 9610	941	5.57	40.6	10.7	112	1.14	0.57	195	7.2
1302	ARK JJ46	931	5.36	40.3	10.2	126	1.19	0.58	208	7.5
.	LSD	113	0.30	0.9	0.7	6	0.02	0.01	9	0.6

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 (%)
1313	PHY 485WRF	5.04	1.13	83.2	30.7	9.1	71.8	8.3	5.04	1810	20.21	3.62
1224	DP 555 R/R	4.68	1.12	82.0	29.4	7.3	74.8	7.3	4.84	1628	16.91	3.74
1282	DPL 445BR	4.71	1.14	83.2	30.5	8.6	73.3	8.2	4.74	1581	18.54	3.55
1196	STV 4892 BR	5.11	1.10	82.7	30.1	8.2	71.9	8.5	5.19	1577	18.39	3.66
1281	DPL 455BR	4.37	1.15	82.4	31.4	7.6	73.8	8.6	4.49	1549	16.01	4.01
1256	FM 960BR	4.80	1.13	82.7	34.4	7.7	73.8	7.6	4.91	1689	20.62	3.50
1308	DP 147RF	4.51	1.21	82.2	29.8	7.4	73.6	7.7	4.51	1655	19.51	3.57
1307	DP 143B2R	4.41	1.21	82.3	28.8	7.5	74.5	7.6	4.36	1729	19.59	3.46
1305	CS 44	5.01	1.17	83.0	29.8	7.6	73.3	7.9	5.04	1484	20.43	3.78
1306	CS 45	4.73	1.16	83.0	30.9	8.0	73.9	7.8	4.72	1666	21.30	3.60
1310	MD 391	4.39	1.22	84.1	31.3	8.4	74.5	7.8	4.41	1634	19.56	3.74
1309	FM 9063B2F	4.65	1.19	83.0	31.7	7.6	75.7	7.4	4.73	1569	21.04	3.49
1255	FM 960B2R	4.70	1.16	82.6	33.1	7.5	73.6	7.7	4.78	1522	20.67	3.56
1304	CS 38	4.66	1.18	83.1	30.9	7.9	73.6	7.9	4.72	1512	20.18	3.69
1314	PHY 745WRF	4.41	1.17	83.4	32.4	8.7	71.9	8.2	4.50	1463	19.55	3.85
1303	CS 37	4.61	1.16	82.5	30.9	8.0	74.2	7.8	4.63	1478	21.71	3.62
1311	NM 1155	4.25	1.22	83.0	32.2	7.8	71.0	7.5	4.24	1484	20.50	3.76
1166	PHYTOGEN 72	4.59	1.18	82.9	34.3	8.4	71.1	8.6	4.66	1416	19.82	3.75
1312	NM 03012	4.92	1.20	83.6	35.6	8.7	73.7	8.2	4.98	1424	20.89	3.71
1301	ARK 9610	5.29	1.18	83.8	30.6	8.5	72.5	8.1	5.23	1347	18.79	3.61
1302	ARK JJ46	4.54	1.20	83.9	29.6	8.1	72.6	8.4	4.58	1394	19.26	3.63
.	LSD	0.22	0.03	0.6	1.0	0.3	1.2	0.3	0.21	194	0.66	0.12

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1313	PHY 485WRF	0.96	0.58	1.54	423	26.6	1.69	86	50.33	4.61	2.9
1224	DP 555 R/R	0.65	0.47	1.11	431	23.6	1.63	88	47.37	4.28	2.9
1282	DPL 445BR	0.97	0.69	1.66	425	25.9	1.68	87	49.51	4.52	2.9
1196	STV 4892 BR	0.97	0.65	1.61	402	25.9	1.68	87	52.50	5.10	3.1
1281	DPL 455BR	0.68	0.45	1.13	447	24.9	1.65	88	46.49	4.05	2.8
1256	FM 960BR	0.68	0.52	1.20	410	17.9	1.50	93	45.96	4.36	3.1
1308	DP 147RF	0.86	0.69	1.55	441	25.8	1.67	87	47.57	4.20	2.8
1307	DP 143B2R	0.87	0.68	1.55	456	28.5	1.73	85	47.59	4.07	2.7
1305	CS 44	0.89	0.59	1.47	404	20.5	1.56	91	48.57	4.67	3.2
1306	CS 45	0.85	0.48	1.33	432	27.5	1.71	85	49.76	4.48	2.9
1310	MD 391	0.80	0.73	1.53	452	29.7	1.75	84	48.84	4.22	2.7
1309	FM 9063B2F	0.64	0.52	1.16	427	22.0	1.59	90	46.87	4.27	2.9
1255	FM 960B2R	0.73	0.53	1.25	420	24.0	1.64	88	49.03	4.54	2.9
1304	CS 38	0.80	0.56	1.36	430	27.4	1.71	85	49.93	4.53	2.9
1314	PHY 745WRF	0.67	0.43	1.11	446	24.2	1.64	88	46.20	4.01	2.8
1303	CS 37	0.85	0.49	1.34	435	28.7	1.73	84	49.85	4.45	2.8
1311	NM 1155	0.81	0.50	1.31	462	26.1	1.68	86	45.65	3.84	2.7
1166	PHYTOGEN 72	0.66	0.49	1.16	427	18.6	1.51	93	44.57	4.05	3.0
1312	NM 03012	0.82	0.56	1.39	409	17.4	1.49	94	45.84	4.35	3.1
1301	ARK 9610	0.73	0.51	1.24	396	24.0	1.64	88	51.96	5.10	3.1
1302	ARK JJ46	0.89	0.60	1.49	442	26.5	1.69	86	48.23	4.25	2.8
.	LSD	0.06	0.06	0.11	15.4	3.5	0.07	3	1.33	0.20	0.1

BOLL SIZE, GRAM PER BOLL

FM 9063B2F	5.60
ARK 9610	5.57
FM 960BR	5.47
FM 960B2R	5.42
ARK JJ46	5.36
CS 44	5.30
DP 147RF	5.14
PHYTOGEN 72	5.11
CS 38	5.06
MD 391	5.06
DP 143B2R	4.97
DPL 445BR	4.96
STV 4892 BR	4.96

LINT PERCENT

DP 555 R/R	43.4
DPL 455BR	43.3
DPL 445BR	42.7
STV 4892 BR	42.6
CS 44	41.6
DP 147RF	41.3
PHY 485WRF	41.2
ARK 9610	40.6
PHY 745WRF	40.5
FM 960BR	40.5
FM 960B2R	40.3
ARK JJ46	40.3
MD 391	40.2

SEED INDEX

FM 9063B2F	11.8
FM 960BR	11.3
FM 960B2R	11.1
CS 38	11.0
NM 03012	11.0
STV 4892 BR	10.9
CS 44	10.8
ARK 9610	10.7
PHY 745WRF	10.6
PHYTOGEN 72	10.4
MD 391	10.3
NM 1155	10.3
ARK JJ46	10.2

NM 03012	4.88
PHY 745WRF	4.84
DP 555 R/R	4.71
NM 1155	4.58
CS 37	4.57
CS 45	4.57
PHY 485WRF	4.44
DPL 455BR	4.41
LSD	0.30

DP 143B2R	40.0
CS 45	40.0
FM 9063B2F	39.9
CS 37	39.7
CS 38	39.6
PHYTOGEN 72	39.5
NM 03012	38.9
NM 1155	38.3
LSD	0.9

DP 147RF	10.1
PHY 485WRF	10.1
CS 45	10.0
DP 143B2R	10.0
DPL 445BR	9.9
CS 37	9.8
DPL 455BR	9.3
DP 555 R/R	8.8
LSD	0.7

 2.5% S.L. (INCHES)

NM 1155	1.22
MD 391	1.22
DP 143B2R	1.21
DP 147RF	1.21
NM 03012	1.20
ARK JJ46	1.20
FM 9063B2F	1.19
PHYTOGEN 72	1.18
CS 38	1.18
ARK 9610	1.18
CS 44	1.17
PHY 745WRF	1.17
CS 45	1.16
FM 960B2R	1.16
CS 37	1.16
DPL 455BR	1.15
DPL 445BR	1.14
FM 960BR	1.13
PHY 485WRF	1.13
DP 555 R/R	1.12
STV 4892 BR	1.10
LSD	0.03

 UR (PERCENT)

MD 391	84.1
ARK JJ46	83.9
ARK 9610	83.8
NM 03012	83.6
PHY 745WRF	83.4
PHY 485WRF	83.2
DPL 445BR	83.2
CS 38	83.1
NM 1155	83.0
CS 45	83.0
CS 44	83.0
FM 9063B2F	83.0
PHYTOGEN 72	82.9
STV 4892 BR	82.7
FM 960BR	82.7
FM 960B2R	82.6
CS 37	82.5
DPL 455BR	82.4
DP 143B2R	82.3
DP 147RF	82.2
DP 555 R/R	82.0
LSD	0.6

 STRENGTH (G/TEX)

NM 03012	35.6
FM 960BR	34.4
PHYTOGEN 72	34.3
FM 960B2R	33.1
PHY 745WRF	32.4
NM 1155	32.2
FM 9063B2F	31.7
DPL 455BR	31.4
MD 391	31.3
CS 38	30.9
CS 45	30.9
CS 37	30.9
PHY 485WRF	30.7
ARK 9610	30.6
DPL 445BR	30.5
STV 4892 BR	30.1
DP 147RF	29.8
CS 44	29.8
ARK JJ46	29.6
DP 555 R/R	29.4
DP 143B2R	28.8
LSD	1.0

 E

PHY 485WRF	9.1
NM 03012	8.7
PHY 745WRF	8.7
DPL 445BR	8.6

 MICRONAIRE (SL-HVI)

ARK 9610	5.23
STV 4892 BR	5.19
PHY 485WRF	5.04
CS 44	5.04

 COLORIMETER - Rd

FM 9063B2F	75.7
DP 555 R/R	74.8
MD 391	74.5
DP 143B2R	74.5

ARK 9610	8.5
MD 391	8.4
PHYTOGEN 72	8.4
STV 4892 BR	8.2
ARK JJ46	8.1
CS 45	8.0
CS 37	8.0
CS 38	7.9
NM 1155	7.8
FM 960BR	7.7
FM 9063B2F	7.6
CS 44	7.6
DPL 455BR	7.6
FM 960B2R	7.5
DP 143B2R	7.5
DP 147RF	7.4
DP 555 R/R	7.3
LSD	0.3

NM 03012	4.98
FM 960BR	4.91
DP 555 R/R	4.84
FM 960B2R	4.78
DPL 445BR	4.74
FM 9063B2F	4.73
CS 45	4.72
CS 38	4.72
PHYTOGEN 72	4.66
CS 37	4.63
ARK JJ46	4.58
DP 147RF	4.51
PHY 745WRF	4.50
DPL 455BR	4.49
MD 391	4.41
DP 143B2R	4.36
NM 1155	4.24
LSD	0.21

CS 37	74.2
CS 45	73.9
FM 960BR	73.8
DPL 455BR	73.8
NM 03012	73.7
FM 960B2R	73.6
DP 147RF	73.6
CS 38	73.6
CS 44	73.3
DPL 445BR	73.3
ARK JJ46	72.6
ARK 9610	72.5
PHY 745WRF	71.9
STV 4892 BR	71.9
PHY 485WRF	71.8
PHYTOGEN 72	71.1
NM 1155	71.0
LSD	1.2

 COLORIMETER - b

DPL 455BR	8.6
PHYTOGEN 72	8.6
STV 4892 BR	8.5
ARK JJ46	8.4
PHY 485WRF	8.3
NM 03012	8.2
DPL 445BR	8.2
PHY 745WRF	8.2
ARK 9610	8.1
CS 38	7.9
CS 44	7.9
MD 391	7.8
CS 45	7.8
CS 37	7.8
DP 147RF	7.7
FM 960B2R	7.7
FM 960BR	7.6
DP 143B2R	7.6
NM 1155	7.5
FM 9063B2F	7.4
DP 555 R/R	7.3
LSD	0.3

 MICRONAIRE

ARK 9610	5.29
STV 4892 BR	5.11
PHY 485WRF	5.04
CS 44	5.01
NM 03012	4.92
FM 960BR	4.80
CS 45	4.73
DPL 445BR	4.71
FM 960B2R	4.70
DP 555 R/R	4.68
CS 38	4.66
FM 9063B2F	4.65
CS 37	4.61
PHYTOGEN 72	4.59
ARK JJ46	4.54
DP 147RF	4.51
PHY 745WRF	4.41
DP 143B2R	4.41
MD 391	4.39
DPL 455BR	4.37
NM 1155	4.25
LSD	0.22

 STELOMETER - E1

PHY 745WRF	9.0
DPL 445BR	8.8
PHY 485WRF	8.5
MD 391	8.2
CS 45	7.7
ARK JJ46	7.5
PHYTOGEN 72	7.5
CS 37	7.3
CS 38	7.2
ARK 9610	7.2
NM 03012	6.9
DP 143B2R	6.9
STV 4892 BR	6.9
CS 44	6.6
NM 1155	6.4
DPL 455BR	6.3
FM 9063B2F	6.1
DP 555 R/R	5.8
DP 147RF	5.5
FM 960B2R	5.3
FM 960BR	5.2
LSD	0.6

STELOMETER - T1

NM 03012	263
PHYTOGEN 72	254
NM 1155	243
FM 960B2R	235
PHY 745WRF	231
FM 960BR	229
MD 391	223
FM 9063B2F	222
PHY 485WRF	219
CS 45	218
CS 37	217
DPL 455BR	215
DPL 445BR	215
CS 38	213
DP 147RF	208
ARK JJ46	208
DP 143B2R	207
CS 44	204
DP 555 R/R	202
STV 4892 BR	199
ARK 9610	195
LSD	9

FIBROGRAPH--50% S.L.

NM 03012	0.60
MD 391	0.58
PHYTOGEN 72	0.58
ARK JJ46	0.58
NM 1155	0.58
DPL 445BR	0.57
ARK 9610	0.57
PHY 745WRF	0.57
CS 38	0.57
FM 9063B2F	0.56
CS 44	0.56
FM 960BR	0.56
PHY 485WRF	0.56
DP 143B2R	0.56
CS 45	0.55
DP 147RF	0.55
FM 960B2R	0.55
DPL 455BR	0.55
CS 37	0.55
STV 4892 BR	0.55
DP 555 R/R	0.53
LSD	0.01

FIBROGRAPH--2.5% S.L.

NM 1155	1.22
NM 03012	1.22
MD 391	1.22
DP 143B2R	1.21
ARK JJ46	1.19
DP 147RF	1.19
FM 9063B2F	1.18
PHYTOGEN 72	1.18
CS 44	1.18
CS 38	1.17
FM 960B2R	1.16
PHY 745WRF	1.16
CS 45	1.16
DPL 455BR	1.14
DPL 445BR	1.14
ARK 9610	1.14
PHY 485WRF	1.14
CS 37	1.14
FM 960BR	1.13
DP 555 R/R	1.12
STV 4892 BR	1.10
LSD	0.02

YARN TENACITY

NM 03012	146
PHYTOGEN 72	142
NM 1155	138
FM 960BR	137
PHY 745WRF	135
FM 960B2R	133
MD 391	132
DPL 455BR	130
FM 9063B2F	130
CS 38	128
ARK JJ46	126
DPL 445BR	125
CS 45	123
DP 147RF	123
PHY 485WRF	121
CS 37	120
DP 143B2R	120
CS 44	120

AREALOMETER - A (mm²/mm³)

NM 1155	462
DP 143B2R	456
MD 391	452
DPL 455BR	447
PHY 745WRF	446
ARK JJ46	442
DP 147RF	441
CS 37	435
CS 45	432
DP 555 R/R	431
CS 38	430
FM 9063B2F	427
PHYTOGEN 72	427
DPL 445BR	425
PHY 485WRF	423
FM 960B2R	420
FM 960BR	410
NM 03012	409

AREALOMETER - D (mm²/mm³)

MD 391	29.7
CS 37	28.7
DP 143B2R	28.5
CS 45	27.5
CS 38	27.4
PHY 485WRF	26.6
ARK JJ46	26.5
NM 1155	26.1
DPL 445BR	25.9
STV 4892 BR	25.9
DP 147RF	25.8
DPL 455BR	24.9
PHY 745WRF	24.2
FM 960B2R	24.0
ARK 9610	24.0
DP 555 R/R	23.6
FM 9063B2F	22.0
CS 44	20.5

STV 4892 BR	114
DP 555 R/R	112
ARK 9610	112
LSD	6

CS 44	404
STV 4892 BR	402
ARK 9610	396
LSD	15.4

PHYTOGEN 72	18.6
FM 960BR	17.9
NM 03012	17.4
LSD	3.5

AREALOMETER - I

MD 391	1.75
CS 37	1.73
DP 143B2R	1.73
CS 45	1.71
CS 38	1.71
PHY 485WRF	1.69
ARK JJ46	1.69
NM 1155	1.68
DPL 445BR	1.68
STV 4892 BR	1.68
DP 147RF	1.67
DPL 455BR	1.65
PHY 745WRF	1.64
FM 960B2R	1.64
ARK 9610	1.64
DP 555 R/R	1.63
FM 9063B2F	1.59
CS 44	1.56
PHYTOGEN 72	1.51
FM 960BR	1.50
NM 03012	1.49
LSD	0.07

AREALOMETER - M (PERCENT)

NM 03012	94
FM 960BR	93
PHYTOGEN 72	93
CS 44	91
FM 9063B2F	90
DP 555 R/R	88
FM 960B2R	88
ARK 9610	88
PHY 745WRF	88
DPL 455BR	88
DP 147RF	87
STV 4892 BR	87
DPL 445BR	87
NM 1155	86
PHY 485WRF	86
ARK JJ46	86
CS 38	85
CS 45	85
DP 143B2R	85
CS 37	84
MD 391	84
LSD	3

AREALOMETER - p (Microns)

STV 4892 BR	52.50
ARK 9610	51.96
PHY 485WRF	50.33
CS 38	49.93
CS 37	49.85
CS 45	49.76
DPL 445BR	49.51
FM 960B2R	49.03
MD 391	48.84
CS 44	48.57
ARK JJ46	48.23
DP 143B2R	47.59
DP 147RF	47.57
DP 555 R/R	47.37
FM 9063B2F	46.87
DPL 455BR	46.49
PHY 745WRF	46.20
FM 960BR	45.96
NM 03012	45.84
NM 1155	45.65
PHYTOGEN 72	44.57
LSD	1.33

AREALOMETER - w (MG/INCH)

ARK 9610	5.10
STV 4892 BR	5.10
CS 44	4.67
PHY 485WRF	4.61
FM 960B2R	4.54
CS 38	4.53
DPL 445BR	4.52
CS 45	4.48
CS 37	4.45
FM 960BR	4.36
NM 03012	4.35

AREALOMETER - t (MICRONS)

CS 44	3.2
FM 960BR	3.1
NM 03012	3.1
ARK 9610	3.1
STV 4892 BR	3.1
PHYTOGEN 72	3.0
FM 9063B2F	2.9
FM 960B2R	2.9
PHY 485WRF	2.9
DPL 445BR	2.9
DP 555 R/R	2.9

SEED YIELD (LB/ACRE)

PHY 485WRF	1810
DP 143B2R	1729
FM 960BR	1689
CS 45	1666
DP 147RF	1655
MD 391	1634
DP 555 R/R	1628
DPL 445BR	1581
STV 4892 BR	1577
FM 9063B2F	1569
DPL 455BR	1549

DP 555 R/R	4.28
FM 9063B2F	4.27
ARK JJ46	4.25
MD 391	4.22
DP 147RF	4.20
DP 143B2R	4.07
PHYTOGEN 72	4.05
DPL 455BR	4.05
PHY 745WRF	4.01
NM 1155	3.84
LSD	0.20

CS 38	2.9
CS 45	2.9
CS 37	2.8
DP 147RF	2.8
ARK JJ46	2.8
DPL 455BR	2.8
PHY 745WRF	2.8
MD 391	2.7
DP 143B2R	2.7
NM 1155	2.7
LSD	0.1

FM 960B2R	1522
CS 38	1512
CS 44	1484
NM 1155	1484
CS 37	1478
PHY 745WRF	1463
NM 03012	1424
PHYTOGEN 72	1416
ARK JJ46	1394
ARK 9610	1347
LSD	194

OIL (PERCENT)

CS 37	21.71
CS 45	21.30
FM 9063B2F	21.04
NM 03012	20.89
FM 960B2R	20.67
FM 960BR	20.62
NM 1155	20.50
CS 44	20.43
PHY 485WRF	20.21
CS 38	20.18
PHYTOGEN 72	19.82
DP 143B2R	19.59
MD 391	19.56
PHY 745WRF	19.55
DP 147RF	19.51
ARK JJ46	19.26
ARK 9610	18.79
DPL 445BR	18.54
STV 4892 BR	18.39
DP 555 R/R	16.91
DPL 455BR	16.01
LSD	0.66

NITROGEN (PERCENT)

DPL 455BR	4.01
PHY 745WRF	3.85
CS 44	3.78
NM 1155	3.76
PHYTOGEN 72	3.75
DP 555 R/R	3.74
MD 391	3.74
NM 03012	3.71
CS 38	3.69
STV 4892 BR	3.66
ARK JJ46	3.63
CS 37	3.62
PHY 485WRF	3.62
ARK 9610	3.61
CS 45	3.60
DP 147RF	3.57
FM 960B2R	3.56
DPL 445BR	3.55
FM 960BR	3.50
FM 9063B2F	3.49
DP 143B2R	3.46
LSD	0.12

PLUS GOSSYPOL

DPL 445BR	0.97
STV 4892 BR	0.97
PHY 485WRF	0.96
ARK JJ46	0.89
CS 44	0.89
DP 143B2R	0.87
DP 147RF	0.86
CS 37	0.85
CS 45	0.85
NM 03012	0.82
NM 1155	0.81
MD 391	0.80
CS 38	0.80
ARK 9610	0.73
FM 960B2R	0.73
FM 960BR	0.68
DPL 455BR	0.68
PHY 745WRF	0.67
PHYTOGEN 72	0.66
DP 555 R/R	0.65
FM 9063B2F	0.64
LSD	0.06

MINUS GOSSYPOL

TOTAL GOSSYPOL (PERCENT)

MD 391	0.73	DPL 445BR	1.66
DPL 445BR	0.69	STV 4892 BR	1.61
DP 147RF	0.69	DP 147RF	1.55
DP 143B2R	0.68	DP 143B2R	1.55
STV 4892 BR	0.65	PHY 485WRF	1.54
ARK JJ46	0.60	MD 391	1.53
CS 44	0.59	ARK JJ46	1.49
PHY 485WRF	0.58	CS 44	1.47
NM 03012	0.56	NM 03012	1.39
CS 38	0.56	CS 38	1.36
FM 960B2R	0.53	CS 37	1.34
FM 960BR	0.52	CS 45	1.33
FM 9063B2F	0.52	NM 1155	1.31
ARK 9610	0.51	FM 960B2R	1.25
NM 1155	0.50	ARK 9610	1.24
PHYTOGEN 72	0.49	FM 960BR	1.20
CS 37	0.49	FM 9063B2F	1.16
CS 45	0.48	PHYTOGEN 72	1.16
DP 555 R/R	0.47	DPL 455BR	1.13
DPL 455BR	0.45	DP 555 R/R	1.11
PHY 745WRF	0.43	PHY 745WRF	1.11
LSD	0.06	LSD	0.11

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)	(%)
LAS CRUCES, NM	1732	5.71	42.2	.	122	1.21	0.59	207	8.2
STONEVILLE, MS	1467	5.25	40.4	10.2	130	1.17	0.56	214	7.1
LUBBOCK, TX	1265	4.76	39.2	9.7	121	1.12	0.52	209	8.3
COLLEGE STATION, TX	1203	5.07	38.0	10.3	132	1.18	0.57	215	6.3
PORTAGEVILLE, MO	1103	.	42.2	11.7	137	1.20	0.58	234	6.6
KEISER, AR	957	4.49	39.0	10.8	144	1.23	0.59	233	6.2
FLORENCE, SC	445	5.54	41.0	10.9	120	1.17	0.57	228	6.7
BELLE MINA, AL	436	4.07	43.2	9.0	110	1.06	0.53	216	7.0

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

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

LAS CRUCES, NM	4.89	1.24	84.6	30.7	8.5	79.1	8.0	4.90	2369	22.56	3.58
STONEVILLE, MS	4.53	1.20	83.5	31.0	8.1	76.9	8.6	4.54	2144	20.45	3.28
LUBBOCK, TX	4.57	1.08	80.3	29.1	8.6	76.1	8.1	4.72	1837	20.31	3.69
COLLEGE STATION, TX	4.12	1.19	83.4	32.0	7.3	68.1	6.1	4.19	1988	18.88	3.56
PORTAGEVILLE, MO	4.67	1.19	84.3	31.9	8.0	66.4	7.7	4.60	1506	18.42	3.84
KEISER, AR	4.56	1.22	84.5	31.9	7.6	73.6	7.5	4.62	1439	20.00	3.66
FLORENCE, SC	5.33	1.18	82.2	32.5	8.4	73.4	8.2	5.49	643	19.41	3.73
BELLE MINA, AL	4.76	1.07	81.3	31.3	7.8	74.4	9.3	4.74	572	18.35	3.94

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
LAS CRUCES, NM	0.95	0.73	1.68	423	26.0	1.68	86	49.83	4.56	2.9
STONEVILLE, MS	0.80	0.57	1.36	446	23.3	1.62	89	45.54	3.96	2.8
LUBBOCK, TX	0.95	0.64	1.58	429	25.4	1.66	87	48.71	4.42	2.9
COLLEGE STATION, TX	0.73	0.52	1.25	458	29.8	1.75	83	48.17	4.09	2.7
PORTAGEVILLE, MO	0.70	0.48	1.18	437	26.7	1.69	86	48.65	4.31	2.8
KEISER, AR	0.78	0.57	1.35	431	22.6	1.61	89	46.91	4.23	2.9
FLORENCE, SC	0.86	0.58	1.44	378	18.7	1.52	92	50.49	5.18	3.4
BELLE MINA, AL	0.68	0.43	1.12	432	21.3	1.57	90	45.77	4.12	2.9

LOCATION=LUBBOCK, TX

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 (%)
1306	CS 45	1428	4.70	38.6	9.3	116	1.14	0.53	206	8.0
1307	DP 143B2R	1418	5.25	37.6	9.7	112	1.19	0.52	204	7.3
1308	DP 147RF	1382	5.30	39.0	9.2	119	1.14	0.52	214	6.9
1256	FM 960BR	1378	5.50	39.7	10.4	130	1.08	0.51	204	6.4
1305	CS 44	1378	4.75	40.9	10.3	111	1.10	0.52	181	8.2
1281	DPL 455BR	1361	4.35	41.6	8.7	125	1.12	0.52	200	8.2
1224	DP 555 R/R	1348	4.50	42.2	7.6	115	1.08	0.49	180	6.7
1313	PHY 485WRF	1342	4.30	36.9	9.7	115	1.12	0.53	201	11.5
1196	STV 4892 BR	1300	4.95	41.6	10.5	107	1.06	0.53	184	7.9
1166	PHYTOGEN 72	1250	4.55	38.3	10.1	136	1.16	0.54	239	8.8
1282	DPL 445BR	1237	4.50	41.3	8.9	118	1.09	0.52	203	10.3
1255	FM 960B2R	1231	5.15	40.4	10.3	123	1.09	0.51	209	5.6
1310	MD 391	1222	5.30	38.3	10.1	125	1.20	0.54	210	10.4

1311	NM 1155	1214	4.35	35.8	8.8	134	1.17	0.54	237	7.9
1309	FM 9063B2F	1197	5.50	39.8	11.3	124	1.14	0.52	207	7.8
1304	CS 38	1180	4.70	39.4	10.6	119	1.12	0.54	209	8.3
1312	NM 03012	1146	4.15	36.8	10.2	143	1.16	0.54	251	8.6
1314	PHY 745WRF	1107	4.50	38.4	10.2	126	1.11	0.52	218	10.5
1303	CS 37	927	4.10	38.9	8.9	114	1.07	0.50	218	7.9
.	LSD	366	0.79	2.2	1.2	14	0.09	0.04	15	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	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1306	CS 45	4.55	1.05	80.6	28.0	8.8	77.0	8.1	4.70	2287	22.00	3.60
1307	DP 143B2R	4.20	1.15	79.1	26.5	7.9	77.0	7.8	4.20	2467	20.72	3.44
1308	DP 147RF	4.10	1.15	79.5	27.5	7.8	77.0	8.1	4.15	2154	20.00	3.56
1256	FM 960BR	4.70	1.05	80.7	32.0	8.2	76.5	7.9	4.90	1961	20.71	3.45
1305	CS 44	4.95	1.05	80.2	27.5	8.2	76.0	8.1	5.15	1892	20.85	3.81
1281	DPL 455BR	4.35	1.10	80.5	28.5	8.2	76.0	8.9	4.45	2140	17.37	4.01
1224	DP 555 R/R	4.25	1.05	79.7	27.5	8.1	79.0	7.9	4.50	1799	17.37	3.63
1313	PHY 485WRF	4.70	1.05	81.2	27.5	9.7	74.5	8.1	4.85	2473	20.74	3.39
1196	STV 4892 BR	5.35	1.05	81.0	27.0	9.0	75.0	9.0	5.65	1634	18.32	3.77
1166	PHYTOGEN 72	4.70	1.10	80.8	31.5	9.2	75.0	8.5	4.80	1554	20.61	3.69
1282	DPL 445BR	4.80	1.05	80.6	28.5	9.7	75.5	8.3	4.95	1395	18.98	3.87
1255	FM 960B2R	4.75	1.05	79.5	31.0	7.9	76.0	8.1	5.00	1407	21.44	3.75
1310	MD 391	4.30	1.15	80.9	28.5	8.8	77.5	8.1	4.45	2119	21.03	3.62
1311	NM 1155	4.05	1.15	79.8	30.5	8.3	73.0	7.3	4.10	1880	19.73	3.92
1309	FM 9063B2F	4.55	1.10	80.3	29.5	8.4	77.5	7.5	4.80	1700	21.62	3.47
1304	CS 38	4.75	1.05	80.5	29.0	8.5	76.5	8.1	4.95	1639	20.44	4.02
1312	NM 03012	4.70	1.10	80.7	34.0	9.0	74.5	8.4	4.90	1672	21.25	3.74
1314	PHY 745WRF	4.40	1.10	80.9	30.0	9.7	75.5	8.2	4.55	1540	21.11	3.72
1303	CS 37	4.65	1.05	79.4	29.0	8.8	77.0	7.8	4.60	1189	21.69	3.74
.	LSD	0.61	0.10	1.5	2.1	0.3	2.3	0.6	0.56	1299	1.27	0.31

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	M I (%)	p (microns)	w (mg/in)	t (microns)	
1306	CS 45	1.03	0.57	1.59	431	28.3	1.72	85	50.16	4.53	2.9
1307	DP 143B2R	1.07	0.83	1.90	454	28.3	1.73	85	47.59	4.08	2.7
1308	DP 147RF	1.01	0.79	1.80	470	31.0	1.77	83	47.23	3.92	2.7
1256	FM 960BR	0.87	0.65	1.52	415	20.8	1.57	91	47.40	4.43	3.0
1305	CS 44	1.00	0.66	1.66	394	20.0	1.55	92	49.35	4.86	3.3
1281	DPL 455BR	0.83	0.53	1.36	459	30.5	1.76	83	48.22	4.10	2.7
1224	DP 555 R/R	0.82	0.56	1.38	448	27.5	1.71	86	47.70	4.14	2.8
1313	PHY 485WRF	1.10	0.65	1.74	430	29.8	1.76	83	51.41	4.64	2.8
1196	STV 4892 BR	1.06	0.71	1.77	388	26.8	1.70	86	54.91	5.47	3.2

1166	PHYTOGEN 72	0.79	0.56	1.35	421	17.8	1.50	94	44.72	4.11	3.0
1282	DPL 445BR	1.13	0.77	1.90	411	23.8	1.63	88	49.86	4.70	3.0
1255	FM 960B2R	0.90	0.63	1.53	408	21.5	1.59	90	48.82	4.65	3.1
1310	MD 391	0.94	0.80	1.74	448	31.8	1.80	82	50.33	4.37	2.7
1311	NM 1155	0.95	0.58	1.53	466	26.0	1.68	87	45.16	3.75	2.7
1309	FM 9063B2F	0.82	0.64	1.46	414	22.5	1.61	90	48.74	4.56	3.0
1304	CS 38	0.87	0.59	1.45	417	24.8	1.66	88	49.89	4.63	3.0
1312	NM 03012	0.93	0.58	1.51	412	16.8	1.47	94	44.95	4.22	3.1
1314	PHY 745WRF	0.81	0.51	1.32	446	26.0	1.68	87	47.40	4.12	2.8
1303	CS 37	1.07	0.55	1.62	425	29.3	1.75	84	51.72	4.71	2.9
.	LSD	0.14	0.14	0.25	47.8	11.1	0.23	9	2.11	0.41	0.4

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 (%)
1313	PHY 485WRF	1549	4.74	40.6	9.9	130	1.19	0.60	219	7.8
1224	DP 555 R/R	1540	4.55	40.9	8.1	120	1.16	0.53	192	3.9
1256	FM 960BR	1443	5.59	38.5	11.2	143	1.14	0.56	234	5.2
1308	DP 147RF	1376	5.72	39.7	10.0	126	1.25	0.55	220	4.8
1305	CS 44	1342	5.73	39.0	11.5	124	1.21	0.57	204	6.0
1309	FM 9063B2F	1294	5.66	36.9	11.9	136	1.21	0.59	224	6.2
1307	DP 143B2R	1277	5.21	37.6	9.1	129	1.26	0.58	210	5.8
1282	DPL 445BR	1248	4.68	40.0	9.7	131	1.15	0.57	201	7.0
1196	STV 4892 BR	1226	5.06	40.2	11.1	123	1.15	0.58	193	5.9
1255	FM 960B2R	1185	5.45	35.7	11.8	142	1.19	0.57	237	5.2
1281	DPL 455BR	1179	4.57	40.3	9.2	136	1.15	0.57	203	5.5
1314	PHY 745WRF	1177	4.69	39.7	10.6	137	1.16	0.57	231	8.7
1306	CS 45	1128	4.38	35.7	9.4	130	1.18	0.57	215	6.4
1304	CS 38	1120	5.08	35.1	11.3	138	1.20	0.58	205	6.7
1311	NM 1155	1103	4.42	36.9	10.8	141	1.25	0.58	238	6.4
1310	MD 391	1077	5.46	36.4	10.2	130	1.19	0.58	216	7.8
1301	ARK 9610	1040	5.33	37.3	11.1	120	1.16	0.58	190	6.6
1303	CS 37	1024	4.54	35.2	9.1	127	1.16	0.56	206	5.8
1166	PHYTOGEN 72	954	5.14	36.0	10.5	145	1.18	0.58	262	7.5
1302	ARK JJ46	785	5.46	37.9	10.0	128	1.18	0.58	197	6.4
.	LSD	265	1.00	2.7	2.0	14	0.05	0.03	22	1.4

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)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	OIL (%)	NITR OGEN (%)		
1313	PHY 485WRF	4.60	1.20	84.1	31.5	8.3	66.5	6.4	4.50	2221	20.43	3.62
1224	DP 555 R/R	4.05	1.20	82.2	29.0	6.5	70.0	5.1	4.45	2302	15.74	3.67

1256	FM 960BR	4.15	1.15	83.7	34.5	7.2	68.0	5.8	4.35	2236	20.30	3.46
1308	DP 147RF	4.40	1.30	82.9	32.0	7.2	67.0	5.8	4.10	2322	18.77	3.57
1305	CS 44	4.60	1.20	83.7	32.0	7.2	70.0	6.3	4.50	1716	20.60	3.83
1309	FM 9063B2F	4.00	1.25	84.0	33.0	7.2	71.5	5.4	4.10	2171	20.78	3.31
1307	DP 143B2R	3.85	1.20	82.4	29.5	6.9	67.0	6.2	3.80	2338	18.31	3.38
1282	DPL 445BR	4.20	1.15	83.8	30.5	7.4	66.5	6.2	4.25	1887	16.99	3.34
1196	STV 4892 BR	4.50	1.10	83.5	31.5	7.6	66.0	6.2	4.65	1848	18.67	3.46
1255	FM 960B2R	4.10	1.20	83.4	34.5	7.0	68.0	5.7	4.15	2351	20.20	3.33
1281	DPL 455BR	3.75	1.15	82.8	33.5	7.0	68.0	6.3	3.95	1668	14.41	3.81
1314	PHY 745WRF	4.00	1.15	83.1	32.0	7.6	64.5	6.8	4.10	1975	18.60	3.71
1306	CS 45	4.30	1.20	84.0	32.5	7.3	69.0	5.9	4.20	2406	20.48	3.38
1304	CS 38	3.85	1.20	82.8	32.5	7.1	70.0	6.3	4.00	1884	19.09	3.53
1311	NM 1155	3.80	1.30	84.3	33.0	7.1	64.5	6.0	3.75	1446	19.59	3.63
1310	MD 391	3.90	1.20	84.0	30.5	7.5	70.5	6.2	3.95	1955	18.52	3.53
1301	ARK 9610	4.75	1.15	83.3	32.0	7.7	67.5	6.2	4.80	1531	18.81	3.59
1303	CS 37	3.70	1.15	82.8	31.0	7.2	70.0	6.3	3.80	1890	20.31	3.49
1166	PHYTOGEN 72	3.90	1.20	83.6	35.0	7.4	69.0	7.6	4.10	2145	18.02	3.83
1302	ARK JJ46	4.00	1.20	83.6	29.5	7.3	67.5	6.4	4.25	1478	19.06	3.75
.	LSD	0.44	0.12	1.7	3.1	0.5	3.4	0.9	0.39	573	1.68	0.26

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M (%)	p (microns)	w (mg/in)	t (microns)	
1313	PHY 485WRF	0.99	0.62	1.61	436	29.5	1.75	84	50.50	4.50	2.8
1224	DP 555 R/R	0.52	0.42	0.94	448	26.0	1.68	86	47.16	4.08	2.7
1256	FM 960BR	0.55	0.46	1.01	443	22.8	1.61	89	45.70	3.99	2.8
1308	DP 147RF	0.75	0.64	1.39	459	28.0	1.72	85	47.08	3.96	2.6
1305	CS 44	0.86	0.62	1.48	426	19.0	1.53	92	45.03	4.08	3.0
1309	FM 9063B2F	0.58	0.48	1.06	456	28.3	1.73	85	47.64	4.05	2.7
1307	DP 143B2R	0.72	0.60	1.32	501	37.3	1.91	78	47.72	3.69	2.4
1282	DPL 445BR	0.84	0.62	1.46	450	33.0	1.82	81	50.81	4.37	2.7
1196	STV 4892 BR	1.01	0.66	1.67	415	25.3	1.67	87	50.44	4.70	3.0
1255	FM 960B2R	0.64	0.50	1.14	431	27.5	1.71	85	49.86	4.47	2.9
1281	DPL 455BR	0.53	0.36	0.89	482	30.3	1.77	84	45.87	3.68	2.5
1314	PHY 745WRF	0.70	0.45	1.15	463	27.5	1.71	85	46.50	3.89	2.7
1306	CS 45	0.74	0.43	1.17	463	33.3	1.83	81	49.66	4.16	2.6
1304	CS 38	0.76	0.51	1.26	469	33.0	1.82	81	48.86	4.04	2.6
1311	NM 1155	0.75	0.49	1.24	498	35.0	1.86	80	46.95	3.65	2.4
1310	MD 391	0.70	0.66	1.36	483	38.0	1.92	78	49.79	3.99	2.5
1301	ARK 9610	0.77	0.55	1.32	410	24.3	1.65	88	50.36	4.75	3.0
1303	CS 37	0.75	0.42	1.17	501	42.0	1.99	75	49.71	3.83	2.4
1166	PHYTOGEN 72	0.57	0.44	1.01	485	29.0	1.74	84	45.10	3.59	2.5
1302	ARK JJ46	0.86	0.55	1.41	441	27.5	1.71	85	48.73	4.27	2.8
.	LSD	0.07	0.07	0.12	42.3	11.4	0.22	9	6.19	0.76	0.3

LOCATION=STONEVILLE, MS

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1282	DPL 445BR	1883	5.43	42.0	10.0	129	1.17	0.58	214	8.9
1224	DP 555 R/R	1776	4.96	44.2	8.3	114	1.09	0.52	189	5.3
1313	PHY 485WRF	1776	4.67	41.6	9.6	124	1.12	0.54	202	7.9
1281	DPL 455BR	1753	4.58	45.1	8.4	139	1.16	0.55	212	5.2
1196	STV 4892 BR	1665	5.09	41.7	10.3	119	1.11	0.56	203	8.1
1308	DP 147RF	1578	5.70	41.5	9.9	124	1.18	0.54	191	5.2
1256	FM 960BR	1538	5.78	39.8	11.5	144	1.14	0.57	223	4.9
1305	CS 44	1509	5.57	40.4	11.4	124	1.18	0.57	202	7.2
1255	FM 960B2R	1508	5.73	40.0	11.6	143	1.12	0.53	222	5.6
1309	FM 9063B2F	1456	5.89	39.2	12.1	133	1.18	0.57	220	5.5
1302	ARK JJ46	1449	5.43	38.8	9.6	132	1.18	0.58	205	8.1
1301	ARK 9610	1416	5.65	39.8	10.3	111	1.13	0.58	184	7.7
1310	MD 391	1406	5.23	39.9	9.7	137	1.24	0.59	233	7.9
1307	DP 143B2R	1389	5.25	38.8	9.9	121	1.22	0.57	201	7.4
1311	NM 1155	1332	5.11	38.8	10.4	134	1.23	0.58	232	7.3
1306	CS 45	1306	4.42	39.6	9.2	129	1.15	0.55	226	8.4
1303	CS 37	1271	4.73	39.4	9.4	129	1.14	0.55	217	7.8
1312	NM 03012	1253	5.37	39.7	11.0	141	1.23	0.60	245	6.8
1314	PHY 745WRF	1221	5.04	40.7	10.7	137	1.18	0.59	221	9.3
1166	PHYTOGEN 72	1164	5.27	39.2	10.4	139	1.18	0.58	238	6.9
1304	CS 38	1148	5.30	38.2	10.6	133	1.18	0.56	215	7.5
.	LSD	107	0.34	1.3	0.4	8	0.03	0.03	10	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)	SEED E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1282	DPL 445BR	4.45	1.20	84.5	31.0	8.7	76.5	8.5	4.50	2612	19.95	3.09
1224	DP 555 R/R	4.80	1.15	83.1	30.0	7.6	78.5	7.9	4.90	2223	18.11	3.71
1313	PHY 485WRF	5.50	1.10	83.8	30.0	9.4	74.0	9.5	5.40	2586	20.54	3.27
1281	DPL 455BR	4.10	1.20	82.6	31.0	7.5	76.5	9.1	4.20	2140	15.39	3.56
1196	STV 4892 BR	4.65	1.15	84.1	30.5	8.4	77.0	8.9	4.60	2304	19.86	3.15
1308	DP 147RF	4.65	1.25	82.2	29.5	7.5	77.0	8.3	4.65	2199	20.55	3.18
1256	FM 960BR	4.60	1.15	82.9	33.5	7.8	77.5	7.9	4.80	2405	22.02	3.07
1305	CS 44	5.05	1.20	83.6	29.5	7.8	77.0	8.9	5.15	2263	21.54	3.48
1255	FM 960B2R	4.70	1.20	83.5	34.0	7.8	78.5	8.3	4.60	2246	22.82	3.19
1309	FM 9063B2F	4.50	1.20	83.2	31.0	7.5	79.0	7.9	4.45	2181	21.56	3.11
1302	ARK JJ46	4.10	1.20	83.6	29.0	8.4	76.0	9.0	4.10	2202	19.92	3.18
1301	ARK 9610	4.75	1.20	84.3	29.5	8.5	76.0	8.8	4.65	2081	19.69	3.31
1310	MD 391	3.90	1.25	84.8	31.0	8.3	77.0	8.4	3.85	2081	20.26	3.28
1307	DP 143B2R	4.30	1.25	83.3	28.5	7.6	79.5	8.1	4.35	2180	19.61	3.18

1311	NM 1155	4.45	1.25	83.9	32.0	8.3	75.5	8.5	4.45	2082	22.24	3.36
1306	CS 45	4.35	1.20	82.2	31.5	8.1	77.0	8.4	4.30	1892	21.96	3.14
1303	CS 37	4.20	1.20	82.7	29.0	7.7	77.0	8.6	4.30	2037	22.36	3.25
1312	NM 03012	4.90	1.20	84.6	34.5	8.6	75.5	8.8	4.85	1855	21.21	3.37
1314	PHY 745WRF	4.35	1.20	84.0	33.5	9.3	76.0	9.0	4.45	1841	18.48	3.52
1166	PHYTOGEN 72	4.45	1.20	83.5	33.5	8.5	75.0	9.2	4.55	1728	20.77	3.33
1304	CS 38	4.35	1.20	83.0	29.5	7.8	78.5	8.5	4.25	1889	20.67	3.30
.	LSD	0.36	0.09	1.2	2.5	0.4	2.7	0.4	0.48	263	1.26	0.21

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1282	DPL 445BR	1.06	0.79	1.85	445	22.5	1.61	89	45.38	3.95	2.8
1224	DP 555 R/R	0.66	0.50	1.16	442	25.0	1.66	87	47.16	4.14	2.8
1313	PHY 485WRF	0.95	0.57	1.51	431	23.3	1.63	89	47.29	4.24	2.9
1281	DPL 455BR	0.65	0.45	1.10	469	21.8	1.59	90	42.55	3.51	2.7
1196	STV 4892 BR	1.08	0.71	1.79	441	30.0	1.76	84	50.07	4.40	2.8
1308	DP 147RF	0.89	0.78	1.66	434	20.0	1.55	91	44.92	4.00	2.9
1256	FM 960BR	0.63	0.51	1.14	405	11.8	1.35	99	41.98	4.02	3.3
1305	CS 44	0.95	0.63	1.58	397	18.5	1.52	93	48.06	4.69	3.2
1255	FM 960B2R	0.73	0.56	1.29	438	23.8	1.64	88	46.79	4.13	2.8
1309	FM 9063B2F	0.61	0.52	1.13	444	21.5	1.59	90	44.79	3.90	2.8
1302	ARK JJ46	0.87	0.58	1.45	486	27.0	1.70	86	43.96	3.50	2.5
1301	ARK 9610	0.75	0.53	1.27	428	27.8	1.72	85	50.38	4.55	2.9
1310	MD 391	0.77	0.74	1.51	501	31.5	1.79	83	44.95	3.47	2.4
1307	DP 143B2R	0.82	0.68	1.49	453	20.0	1.55	91	42.96	3.67	2.8
1311	NM 1155	0.84	0.49	1.33	466	21.3	1.58	90	42.50	3.53	2.7
1306	CS 45	0.81	0.43	1.23	463	28.0	1.72	85	46.75	3.91	2.7
1303	CS 37	0.88	0.47	1.35	454	30.5	1.77	83	49.07	4.18	2.7
1312	NM 03012	0.80	0.56	1.35	416	13.3	1.39	98	41.84	3.89	3.2
1314	PHY 745WRF	0.62	0.40	1.02	450	21.0	1.57	91	43.89	3.77	2.8
1166	PHYTOGEN 72	0.64	0.51	1.15	435	17.3	1.49	94	42.91	3.81	2.9
1304	CS 38	0.78	0.54	1.32	474	33.0	1.82	81	48.25	3.94	2.6
.	LSD	0.09	0.09	0.15	27.0	7.0	0.15	6	3.00	0.36	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 (%)
1196	STV 4892 BR	1356	.	44.8	13.6	128	1.14	0.58	218	7.0

1282	DPL 445BR	1248	.	44.3	12.7	140	1.19	0.59	224	8.1
1313	PHY 485WRF	1229	.	42.5	13.0	129	1.15	0.58	224	8.4
1281	DPL 455BR	1219	.	44.0	12.5	142	1.18	0.57	240	5.9
1224	DP 555 R/R	1203	.	44.8	12.1	124	1.18	0.57	218	6.1
1256	FM 960BR	1189	.	42.0	12.7	146	1.16	0.57	243	4.6
1306	CS 45	1170	.	41.5	12.7	133	1.19	0.58	227	6.8
1309	FM 9063B2F	1155	.	41.0	12.7	137	1.22	0.58	240	5.2
1308	DP 147RF	1154	.	42.5	12.2	136	1.23	0.59	227	5.7
1307	DP 143B2R	1128	.	42.3	12.0	128	1.22	0.56	221	6.3
1303	CS 37	1108	.	41.8	11.9	130	1.20	0.58	236	7.2
1305	CS 44	1059	.	43.8	10.9	129	1.20	0.58	231	6.0
1304	CS 38	1055	.	41.3	11.5	138	1.22	0.59	233	6.0
1314	PHY 745WRF	1051	.	41.8	11.3	140	1.20	0.60	248	8.9
1310	MD 391	1012	.	42.0	10.9	143	1.25	0.61	230	7.5
1301	ARK 9610	1009	.	42.0	10.8	125	1.17	0.57	202	6.7
1255	FM 960B2R	1005	.	41.3	10.9	150	1.24	0.61	238	5.5
1302	ARK JJ46	974	.	42.0	10.4	136	1.20	0.58	223	6.9
1312	NM 03012	974	.	41.0	10.7	155	1.23	0.62	273	6.2
1311	NM 1155	954	.	39.3	10.9	146	1.26	0.60	255	5.9
1166	PHYTOGEN 72	915	.	41.3	10.0	150	1.25	0.62	266	7.7
.	LSD	129	.	1.0	1.4	9	0.05	0.03	14	0.8

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	Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	5.00	1.10	84.5	30.5	8.3	66.5	8.6	5.00	1675	17.75	3.86
1282	DPL 445BR	4.75	1.20	84.0	31.5	8.3	65.5	8.3	4.45	1571	16.83	3.72
1313	PHY 485WRF	5.15	1.15	84.3	31.0	8.8	65.0	7.9	4.95	1663	18.44	3.70
1281	DPL 455BR	4.70	1.20	83.6	32.0	7.6	68.0	8.7	4.65	1552	15.39	4.38
1224	DP 555 R/R	4.75	1.15	83.8	32.0	7.6	69.0	7.3	4.75	1484	16.22	3.81
1256	FM 960BR	4.70	1.15	83.5	34.5	7.7	66.5	7.5	4.60	1641	18.57	3.70
1306	CS 45	4.90	1.20	84.5	31.0	7.9	67.0	7.6	4.85	1651	20.44	3.87
1309	FM 9063B2F	4.65	1.20	83.8	32.5	7.5	69.0	7.1	4.45	1664	20.32	3.71
1308	DP 147RF	4.20	1.20	83.2	30.5	7.2	66.5	7.0	4.05	1564	18.25	3.78
1307	DP 143B2R	4.00	1.20	83.8	30.0	7.3	68.0	7.3	3.95	1540	18.01	3.59
1303	CS 37	4.85	1.20	83.7	31.5	8.1	65.5	7.4	4.85	1546	21.56	3.73
1305	CS 44	5.00	1.20	84.0	30.0	7.5	66.0	7.8	4.90	1362	18.73	3.87
1304	CS 38	4.55	1.20	84.3	31.5	7.9	65.5	7.7	4.50	1502	19.21	3.78
1314	PHY 745WRF	4.55	1.20	84.5	32.5	8.5	65.5	7.4	4.55	1467	18.76	4.06
1310	MD 391	4.30	1.20	85.8	32.0	8.2	67.5	7.7	4.30	1398	17.17	4.01
1301	ARK 9610	5.20	1.20	84.5	31.0	8.4	66.0	7.9	5.10	1392	16.28	3.79
1255	FM 960B2R	4.70	1.20	84.8	35.0	8.1	66.0	7.9	4.70	1429	19.51	3.76
1302	ARK JJ46	4.50	1.20	84.6	30.0	7.9	67.5	8.3	4.35	1344	17.33	3.72
1312	NM 03012	4.75	1.20	84.9	35.0	8.6	65.5	7.4	4.75	1401	19.26	3.90
1311	NM 1155	4.25	1.20	85.4	32.0	7.6	64.5	6.9	4.15	1477	19.53	3.95

1166	PHYTOGEN 72	4.60	1.20	84.6	33.5	8.3	64.5	8.3	4.65	1301	19.36	3.91
.	LSD	0.37	0.06	1.4	1.8	0.7	2.7	0.5	0.34	177	0.79	0.11

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1196	STV 4892 BR	0.93	0.63	1.56	414	29.0	1.74	84	52.91	4.95	3.0	
1282	DPL 445BR	0.69	0.48	1.17	451	31.8	1.80	82	50.12	4.31	2.7	
1313	PHY 485WRF	0.87	0.53	1.39	415	27.0	1.70	86	51.51	4.80	3.0	
1281	DPL 455BR	0.60	0.40	1.00	429	21.3	1.58	90	46.30	4.18	2.9	
1224	DP 555 R/R	0.60	0.44	1.04	418	23.8	1.63	88	48.93	4.53	3.0	
1256	FM 960BR	0.54	0.41	0.95	426	21.8	1.59	90	46.95	4.27	3.0	
1306	CS 45	0.73	0.39	1.12	434	29.8	1.76	84	50.92	4.54	2.8	
1309	FM 9063B2F	0.64	0.51	1.14	444	24.0	1.64	88	46.28	4.03	2.8	
1308	DP 147RF	0.75	0.61	1.35	473	31.0	1.78	83	47.31	3.87	2.6	
1307	DP 143B2R	0.77	0.60	1.37	480	35.5	1.87	79	48.93	3.95	2.5	
1303	CS 37	0.70	0.37	1.07	424	24.3	1.65	88	48.77	4.45	2.9	
1305	CS 44	0.71	0.47	1.18	423	26.3	1.69	86	50.13	4.59	2.9	
1304	CS 38	0.74	0.50	1.24	447	31.5	1.79	82	50.37	4.36	2.7	
1314	PHY 745WRF	0.60	0.39	0.99	441	25.5	1.67	87	47.50	4.16	2.8	
1310	MD 391	0.72	0.64	1.36	468	30.3	1.77	83	47.36	3.91	2.6	
1301	ARK 9610	0.64	0.45	1.09	404	23.5	1.63	88	50.65	4.86	3.1	
1255	FM 960B2R	0.68	0.48	1.16	429	25.3	1.67	87	48.79	4.40	2.9	
1302	ARK JJ46	0.76	0.50	1.26	453	28.3	1.73	85	47.90	4.10	2.7	
1312	NM 03012	0.70	0.48	1.18	425	18.8	1.52	92	45.06	4.11	3.0	
1311	NM 1155	0.70	0.45	1.14	460	31.3	1.79	82	48.80	4.10	2.6	
1166	PHYTOGEN 72	0.62	0.47	1.09	430	21.5	1.59	90	46.25	4.16	2.9	
.	LSD	0.15	0.15	0.24	23.1	6.4	0.13	5	3.41	0.43	0.2	

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 (%)
1310	MD 391	1962	5.53	42.3	.	127	1.28	0.61	219	8.8
1224	DP 555 R/R	1962	5.16	44.6	.	.	.	.	.	.
1282	DPL 445BR	1954	5.89	45.0	.	117	1.18	0.58	192	10.5
1281	DPL 455BR	1924	5.11	46.1	.	127	1.17	0.56	213	7.5
1313	PHY 485WRF	1914	5.10	41.1	.	115	1.18	0.59	212	9.2
1256	FM 960BR	1839	6.69	42.1	.	140	1.15	0.57	230	6.2
1302	ARK JJ46	1836	6.52	42.0	.	113	1.24	0.61	188	8.1
1307	DP 143B2R	1832	4.92	42.0	.	117	1.24	0.57	196	8.5
1196	STV 4892 BR	1809	6.05	43.0	.	.	.	.	.	.
1308	DP 147RF	1778	5.86	42.7	.	122	1.26	0.59	200	6.5

1282	DPL 445BR	1.23	0.95	2.17	415	26.0	1.68	87	50.87	4.74	3.0
1281	DPL 455BR	0.77	0.56	1.33	433	24.8	1.66	88	47.99	4.28	2.9
1313	PHY 485WRF	1.10	0.71	1.81	405	24.5	1.65	88	51.07	4.88	3.1
1256	FM 960BR	0.81	0.68	1.49	407	18.5	1.52	93	46.80	4.45	3.1
1302	ARK JJ46	1.06	0.79	1.85	428	25.8	1.68	87	49.25	4.46	2.9
1307	DP 143B2R	1.10	0.91	2.01	452	34.5	1.85	80	51.32	4.39	2.7
1196	STV 4892 BR	.	.	.	.	.	.	.	.	.	.
1308	DP 147RF	1.03	0.93	1.96	442	29.3	1.75	84	49.67	4.35	2.8
1306	CS 45	1.05	0.64	1.68	435	30.8	1.78	83	51.37	4.57	2.8
1312	NM 03012	0.92	0.70	1.62	416	21.0	1.58	91	47.52	4.42	3.0
1303	CS 37	0.95	0.58	1.53	443	34.3	1.85	80	52.36	4.57	2.7
1255	FM 960B2R	.	.	.	.	.	.	.	.	.	.
1166	PHYTOGEN 72	.	.	.	.	.	.	.	.	.	.
1304	CS 38	0.92	0.71	1.63	414	26.5	1.69	86	51.34	4.80	3.0
1309	FM 9063B2F	0.72	0.63	1.34	425	21.0	1.57	91	46.54	4.24	3.0
1314	PHY 745WRF	0.78	0.53	1.31	436	23.0	1.62	89	46.57	4.13	2.9
1305	CS 44	1.07	0.80	1.86	406	23.0	1.61	89	49.90	4.76	3.1
1311	NM 1155	.	.	.	.	.	.	.	.	.	.
1301	ARK 9610	0.90	0.66	1.59	382	24.3	1.65	88	54.04	5.46	3.2
.	LSD	0.12	0.12	0.22	19.3	8.1	0.17	7	3.76	0.34	0.2

LOCATION=KEISER, AR

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1196	STV 4892 BR	1223	4.30	41.1	11.1	133	1.18	0.57	222	5.7
1313	PHY 485WRF	1214	4.05	40.2	10.1	137	1.19	0.57	231	7.5
1282	DPL 445BR	1100	4.25	39.9	9.7	145	1.21	0.62	239	7.4
1281	DPL 455BR	1083	3.50	41.2	9.6	147	1.23	0.60	226	5.2
1224	DP 555 R/R	1079	4.35	40.8	8.8	129	1.19	0.55	221	6.2
1306	CS 45	1065	4.65	39.4	10.6	136	1.22	0.58	216	5.9
1314	PHY 745WRF	1053	4.60	40.5	10.8	150	1.17	0.56	235	8.3
1307	DP 143B2R	978	4.15	38.4	9.8	138	1.26	0.56	208	6.1
1310	MD 391	974	3.95	38.7	10.8	146	1.27	0.61	232	7.5
1304	CS 38	967	5.00	37.6	12.0	142	1.24	0.57	224	6.4
1305	CS 44	948	4.80	39.4	11.1	140	1.24	0.59	208	4.8
1308	DP 147RF	944	3.75	39.3	10.5	146	1.26	0.59	217	4.3
1303	CS 37	913	4.65	38.4	10.5	135	1.23	0.58	229	6.6
1256	FM 960BR	856	5.10	38.0	11.7	156	1.19	0.63	237	4.9
1166	PHYTOGEN 72	837	5.05	38.1	11.5	155	1.25	0.60	268	6.7
1309	FM 9063B2F	837	5.05	37.8	12.3	152	1.23	0.58	243	5.7
1311	NM 1155	829	4.25	37.6	11.2	151	1.32	0.62	250	5.8
1255	FM 960B2R	797	5.00	38.3	11.9	152	1.25	0.59	268	5.5
1312	NM 03012	788	4.35	37.2	11.6	154	1.25	0.62	266	7.1

1302	ARK JJ46	648	4.90	38.8	10.8	134	1.26	0.59	220	7.4
.	LSD	203	0.86	1.6	0.8	10	0.04	0.03	20	1.1

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR OGEN
		NAIRE	S.L.	MITY	NGTH	HUNTER'S	NAIRE	YIELD	(Reading)	(lb/ac)		
		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1196	STV 4892 BR	4.90	1.20	83.8	30.5	7.8	75.5	8.4	4.95	1653	18.86	3.57
1313	PHY 485WRF	4.80	1.20	84.5	32.5	8.5	71.5	7.6	4.70	1634	20.20	3.71
1282	DPL 445BR	4.50	1.20	84.3	30.5	7.8	76.5	7.9	4.55	1592	18.28	3.27
1281	DPL 455BR	4.25	1.20	84.8	31.5	7.3	76.0	8.5	4.40	1489	17.02	4.04
1224	DP 555 R/R	4.45	1.15	82.7	29.0	7.0	74.5	6.7	4.55	1565	16.65	3.79
1306	CS 45	4.75	1.20	85.2	31.0	7.5	73.5	7.1	4.85	1540	21.86	3.58
1314	PHY 745WRF	4.35	1.20	84.6	34.5	8.2	70.0	7.7	4.50	1468	19.12	3.84
1307	DP 143B2R	4.25	1.30	84.0	29.0	7.0	76.0	7.1	4.20	1534	18.78	3.48
1310	MD 391	4.60	1.30	85.9	32.5	8.3	74.0	7.4	4.50	1604	20.10	3.76
1304	CS 38	4.65	1.20	84.8	31.0	7.5	71.5	7.9	4.85	1616	20.45	3.68
1305	CS 44	4.65	1.20	84.6	31.0	7.2	71.0	6.8	4.70	1322	20.60	3.74
1308	DP 147RF	4.60	1.25	84.6	29.5	7.0	74.5	7.3	4.60	1454	19.90	3.62
1303	CS 37	4.90	1.20	84.2	32.0	7.7	74.5	7.4	4.90	1550	22.86	3.65
1256	FM 960BR	4.75	1.15	83.9	34.5	7.3	74.0	7.5	4.80	1499	20.76	3.52
1166	PHYTOGEN 72	4.70	1.25	84.0	36.5	8.3	70.5	8.1	4.75	998	21.47	3.51
1309	FM 9063B2F	4.35	1.25	84.9	31.5	7.1	74.5	7.0	4.55	1305	21.11	3.38
1311	NM 1155	4.05	1.30	84.6	33.0	7.6	70.0	7.1	4.20	1514	21.67	3.70
1255	FM 960B2R	4.50	1.20	84.4	33.5	7.3	76.5	7.5	4.55	1238	20.55	3.57
1312	NM 03012	4.80	1.20	84.7	36.0	8.1	74.0	7.4	4.90	1197	21.03	3.80
1302	ARK JJ46	4.40	1.25	84.9	29.0	7.3	72.5	8.3	4.35	1016	18.85	3.95
.	LSD	0.51	0.08	1.4	2.3	0.5	2.0	0.7	0.47	438	1.49	0.33

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS	MINUS	TOTAL	A	D					
		(+)	(-)	(%)	---(mm2/mm3)---		I	M	p	w	t
							(%)	(microns)	(mg/in)	(microns)	
1196	STV 4892 BR	0.93	0.68	1.61	395	28.5	1.73	85	55.25	5.45	3.1
1313	PHY 485WRF	0.93	0.59	1.52	420	25.8	1.68	87	50.20	4.63	3.0
1282	DPL 445BR	0.96	0.68	1.63	428	24.5	1.65	87	48.43	4.38	2.9
1281	DPL 455BR	0.68	0.47	1.15	459	26.5	1.69	87	45.95	3.86	2.7
1224	DP 555 R/R	0.60	0.46	1.06	428	19.5	1.54	92	45.19	4.09	3.0
1306	CS 45	0.83	0.48	1.30	421	21.3	1.58	91	47.18	4.34	3.0
1314	PHY 745WRF	0.65	0.44	1.09	443	22.3	1.60	90	45.33	3.97	2.8
1307	DP 143B2R	0.88	0.71	1.58	458	24.8	1.66	87	45.36	3.83	2.7
1310	MD 391	0.80	0.75	1.55	441	25.3	1.67	87	47.44	4.16	2.8
1304	CS 38	0.78	0.55	1.33	415	25.5	1.67	87	50.59	4.72	3.0
1305	CS 44	0.87	0.60	1.47	416	17.8	1.51	94	45.34	4.23	3.1
1308	DP 147RF	0.81	0.70	1.51	430	21.5	1.59	90	46.30	4.19	2.9
1303	CS 37	0.85	0.48	1.33	422	23.0	1.62	89	48.10	4.41	3.0

1256	FM 960BR	0.65	0.50	1.15	424	17.3	1.49	94	44.06	4.02	3.0
1166	PHYTOGEN 72	0.72	0.58	1.30	416	15.5	1.45	95	43.71	4.07	3.1
1309	FM 9063B2F	0.57	0.51	1.08	441	22.3	1.61	90	45.76	4.04	2.9
1311	NM 1155	0.83	0.54	1.37	470	23.3	1.63	89	43.41	3.58	2.7
1255	FM 960B2R	0.67	0.51	1.18	431	24.5	1.65	87	48.07	4.32	2.9
1312	NM 03012	0.80	0.59	1.39	410	16.0	1.46	95	44.70	4.23	3.2
1302	ARK JJ46	0.84	0.62	1.46	450	27.5	1.71	85	47.84	4.12	2.8
.	LSD	0.10	0.10	0.19	37.0	7.0	0.15	6	3.55	0.61	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 FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1224	DP 555 R/R	539	4.01	47.0	7.4	76	1.04	0.51	201	6.5
1305	CS 44	531	4.38	44.3	9.1	100	1.09	0.54	195	7.0
1282	DPL 445BR	494	4.50	45.5	8.3	114	1.08	0.57	227	8.9
1313	PHY 485WRF	489	3.46	44.1	8.1	113	1.06	0.54	227	8.4
1281	DPL 455BR	476	3.56	44.7	7.7	104	0.99	0.50	197	5.8
1303	CS 37	455	3.72	41.8	8.5	98	1.04	0.53	207	7.5
1256	FM 960BR	448	3.95	43.4	9.4	114	1.05	0.52	227	5.0
1314	PHY 745WRF	447	4.01	41.6	9.5	132	1.08	0.55	240	8.7
1311	NM 1155	440	3.81	40.3	8.7	134	1.12	0.56	243	5.9
1306	CS 45	438	3.77	42.5	8.8	110	1.03	0.50	216	8.0
1310	MD 391	437	4.25	43.4	9.6	124	1.11	0.56	227	7.9
1307	DP 143B2R	429	4.22	42.8	9.0	97	1.08	0.52	206	6.8
1255	FM 960B2R	421	4.49	43.3	9.5	105	1.05	0.51	228	5.3
1304	CS 38	417	3.73	43.6	9.9	105	1.06	0.54	194	8.0
1166	PHYTOGEN 72	416	4.09	42.1	9.5	135	1.07	0.55	240	8.2
1308	DP 147RF	410	4.03	44.4	8.5	98	1.05	0.51	192	5.3
1196	STV 4892 BR	410	3.94	44.2	9.3	92	1.01	0.52	171	6.8
1309	FM 9063B2F	398	4.72	42.7	10.1	120	1.12	0.55	222	5.9
1302	ARK JJ46	385	4.16	43.1	9.1	111	1.08	0.53	202	7.7
1312	NM 03012	382	3.99	40.5	10.0	141	1.13	0.57	267	6.2
1301	ARK 9610	305	4.67	43.1	9.5	102	1.04	0.53	204	7.4
.	LSD	71	0.51	1.2	0.6	10	0.05	0.02	12	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)	SEED YIELD (lb/ac)	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1224	DP 555 R/R	4.95	1.00	80.5	28.5	6.8	77.0	8.5	5.10	608	16.67	3.92
1305	CS 44	5.00	1.05	80.9	29.0	7.1	73.5	9.3	4.85	667	18.28	3.98
1282	DPL 445BR	4.90	1.00	81.7	30.5	8.7	73.5	9.9	4.95	589	17.13	3.89
1313	PHY 485WRF	4.85	1.00	81.6	31.5	8.9	73.0	9.9	4.90	621	18.08	3.90

1281	DPL 455BR	4.50	1.00	80.5	30.5	7.1	74.0	10.0	4.60	588	14.92	4.34
1303	CS 37	4.45	1.10	81.5	33.0	8.1	75.0	8.8	4.25	633	20.29	3.84
1256	FM 960BR	4.45	1.05	81.3	34.0	7.4	75.0	9.0	4.80	583	18.85	3.80
1314	PHY 745WRF	4.20	1.10	82.4	32.5	8.6	73.5	9.9	4.20	629	18.54	4.10
1311	NM 1155	4.25	1.15	81.6	32.0	7.8	75.5	8.9	4.10	655	19.80	3.94
1306	CS 45	4.70	1.05	82.1	31.0	8.0	75.0	9.2	4.50	592	19.83	4.00
1310	MD 391	4.45	1.10	82.0	33.5	8.6	75.0	9.0	4.45	570	17.33	4.20
1307	DP 143B2R	4.75	1.10	79.8	27.5	7.3	74.0	8.8	4.55	573	18.83	3.85
1255	FM 960B2R	4.80	1.05	80.5	30.5	6.7	76.5	8.9	4.85	551	19.45	3.75
1304	CS 38	4.85	1.10	82.1	30.5	7.8	74.0	9.6	4.80	541	18.62	3.97
1166	PHYTOGEN 72	4.65	1.10	81.7	36.5	8.7	73.5	9.7	4.60	571	18.58	4.22
1308	DP 147RF	4.40	1.05	80.7	28.0	6.9	74.0	9.5	4.45	515	18.15	3.90
1196	STV 4892 BR	5.35	1.00	81.3	30.0	7.7	72.5	9.9	5.25	520	17.05	3.96
1309	FM 9063B2F	4.85	1.15	80.8	32.0	7.7	77.5	8.7	4.90	535	19.63	3.74
1302	ARK JJ46	4.90	1.10	81.6	28.5	7.9	72.5	9.9	4.85	507	18.74	3.81
1312	NM 03012	5.05	1.15	81.5	36.0	8.7	74.5	9.4	5.10	562	19.38	3.76
1301	ARK 9610	5.65	1.10	82.9	31.0	8.4	73.5	9.5	5.45	403	17.26	3.86
.	LSD	0.44	0.09	1.6	2.1	0.5	1.9	0.6	0.50	92	0.86	0.21

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.57	0.36	0.93	468	26.8	1.70	86	45.52	3.76	2.6
1305	CS 44	0.71	0.43	1.13	.	.	.	.	.	.	.
1282	DPL 445BR	0.86	0.59	1.45	.	.	.	.	.	.	.
1313	PHY 485WRF	0.77	0.41	1.18	.	.	.	.	.	.	.
1281	DPL 455BR	0.55	0.33	0.88	.	.	.	.	.	.	.
1303	CS 37	0.71	0.34	1.05	.	.	.	.	.	.	.
1256	FM 960BR	0.63	0.44	1.07	.	.	.	.	.	.	.
1314	PHY 745WRF	0.57	0.36	0.93	.	.	.	.	.	.	.
1311	NM 1155	0.74	0.42	1.16	.	.	.	.	.	.	.
1306	CS 45	0.68	0.35	1.02	.	.	.	.	.	.	.
1310	MD 391	0.74	0.62	1.36	.	.	.	.	.	.	.
1307	DP 143B2R	0.81	0.59	1.39	.	.	.	.	.	.	.
1255	FM 960B2R	0.63	0.42	1.05	.	.	.	.	.	.	.
1304	CS 38	0.62	0.38	0.99	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.57	0.38	0.95	403	13.3	1.39	97	43.32	4.16	3.3
1308	DP 147RF	0.74	0.58	1.32	.	.	.	.	.	.	.
1196	STV 4892 BR	0.79	0.49	1.28	424	23.8	1.64	89	48.48	4.43	2.9
1309	FM 9063B2F	0.52	0.38	0.90	.	.	.	.	.	.	.
1302	ARK JJ46	0.79	0.47	1.26	.	.	.	.	.	.	.
1312	NM 03012	0.67	0.41	1.07	.	.	.	.	.	.	.
1301	ARK 9610	0.68	0.43	1.11	.	.	.	.	.	.	.
.	LSD	0.07	0.07	0.11	32.5	4.6	0.10	4	1.99	0.45	0.5

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 (%)
1309	FM 9063B2F	502	6.29	40.7	12.1	112	1.14	0.56	208	5.3
1305	CS 44	500	5.96	42.8	11.1	115	1.20	0.58	206	6.5
1282	DPL 445BR	470	5.51	43.4	10.4	113	1.09	0.57	223	9.3
1255	FM 960B2R	470	5.81	41.2	11.9	119	1.21	0.56	245	4.9
1196	STV 4892 BR	464	5.35	44.2	10.7	100	1.06	0.53	203	6.8
1166	PHYTOGEN 72	463	5.95	39.6	10.8	138	1.20	0.60	269	6.5
1307	DP 143B2R	463	5.80	40.6	10.5	121	1.23	0.57	209	7.2
1304	CS 38	458	5.70	40.9	11.4	125	1.16	0.57	222	6.9
1224	DP 555 R/R	458	5.42	43.0	9.1	111	1.14	0.55	214	6.0
1308	DP 147RF	456	5.59	41.6	10.2	113	1.15	0.55	209	5.8
1310	MD 391	451	5.70	40.3	11.1	127	1.22	0.59	217	7.5
1301	ARK 9610	450	5.78	39.6	11.7	108	1.15	0.57	211	7.4
1256	FM 960BR	448	5.66	40.3	11.9	126	1.13	0.56	235	4.5
1281	DPL 455BR	444	5.17	43.7	9.3	122	1.16	0.56	233	7.2
1302	ARK JJ46	441	5.71	39.4	11.5	130	1.21	0.59	221	7.8
1314	PHY 745WRF	427	5.33	40.8	11.1	131	1.18	0.57	238	8.1
1303	CS 37	412	5.13	40.9	10.2	112	1.13	0.55	226	7.2
1312	NM 03012	412	5.66	37.0	12.6	149	1.27	0.62	289	6.1
1313	PHY 485WRF	395	4.75	42.4	10.0	110	1.13	0.55	235	7.6
1306	CS 45	390	4.95	40.1	10.2	116	1.17	0.57	234	7.9
1311	NM 1155	381	5.09	38.1	11.6	131	1.23	0.58	247	5.7
.	LSD	37	0.46	1.7	0.7	15	0.07	0.04	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)	SEED E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1309	FM 9063B2F	5.55	1.15	82.2	33.5	8.2	74.5	8.1	5.75	733	20.23	3.77
1305	CS 44	5.65	1.20	82.0	29.5	7.8	73.0	8.1	5.85	670	19.70	3.79
1282	DPL 445BR	5.15	1.10	82.1	32.0	9.1	73.0	8.2	5.40	613	18.83	3.59
1255	FM 960B2R	5.35	1.20	82.6	33.5	7.8	74.0	7.8	5.60	672	20.73	3.58
1196	STV 4892 BR	6.00	1.10	81.1	30.5	8.6	71.0	8.8	6.20	588	18.24	3.87
1166	PHYTOGEN 72	5.10	1.20	82.0	33.5	8.1	70.0	8.7	5.20	706	19.97	3.81
1307	DP 143B2R	5.10	1.20	82.0	30.5	7.9	75.0	7.9	5.10	676	19.86	3.42
1304	CS 38	5.15	1.20	82.2	31.0	8.1	74.0	7.9	5.35	662	19.94	3.71
1224	DP 555 R/R	5.50	1.15	82.0	29.5	7.5	75.5	7.5	5.65	607	17.65	3.70
1308	DP 147RF	5.20	1.15	80.5	31.0	7.9	73.0	8.2	5.45	643	18.54	3.50

1310	MD 391	4.90	1.25	83.8	32.0	8.9	75.0	8.2	5.10	668	19.13	3.83
1301	ARK 9610	5.70	1.20	83.3	30.5	9.1	74.0	8.2	5.80	686	17.97	3.64
1256	FM 960BR	5.85	1.15	82.1	37.5	8.2	72.5	8.0	5.90	664	19.99	3.57
1281	DPL 455BR	5.00	1.15	81.5	33.5	8.1	73.0	8.7	5.10	572	15.32	4.05
1302	ARK JJ46	5.00	1.20	84.1	31.5	8.8	73.5	8.3	5.30	681	18.99	3.54
1314	PHY 745WRF	4.90	1.20	82.4	33.5	9.1	72.0	8.1	5.05	620	19.14	4.02
1303	CS 37	5.40	1.15	81.9	32.0	8.4	75.0	8.0	5.60	596	20.77	3.74
1312	NM 03012	5.30	1.25	83.6	39.0	9.2	73.5	8.2	5.40	701	20.68	3.84
1313	PHY 485WRF	5.60	1.15	82.5	32.0	9.6	72.0	8.5	5.85	538	20.49	3.91
1306	CS 45	5.55	1.20	81.8	32.5	8.3	74.0	8.2	5.60	582	20.44	3.59
1311	NM 1155	4.90	1.20	81.6	33.0	8.0	74.0	8.2	4.95	619	20.97	3.83
.	LSD	0.47	0.09	3.0	1.5	0.5	2.7	0.6	0.38	60	0.85	0.23

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	p (%)	w (microns)	t (mg/in)	t (microns)
1309	FM 9063B2F	0.69	0.54	1.22	367	14.3	1.42	96	48.38	5.11	3.6
1305	CS 44	0.93	0.51	1.44	365	18.8	1.52	93	52.20	5.53	3.5
1282	DPL 445BR	1.00	0.67	1.67	379	19.5	1.54	92	51.10	5.22	3.3
1255	FM 960B2R	0.84	0.60	1.44	382	21.3	1.58	90	51.88	5.25	3.3
1196	STV 4892 BR	0.97	0.64	1.61	340	17.8	1.50	93	55.45	6.31	3.8
1166	PHYTOGEN 72	0.74	0.53	1.27	397	15.8	1.45	95	45.96	4.48	3.3
1307	DP 143B2R	0.80	0.54	1.33	391	19.3	1.53	92	49.25	4.87	3.3
1304	CS 38	0.98	0.73	1.71	373	17.5	1.49	93	50.23	5.20	3.4
1224	DP 555 R/R	0.76	0.53	1.29	369	16.8	1.48	95	49.95	5.24	3.5
1308	DP 147RF	0.93	0.50	1.43	382	19.5	1.54	92	50.52	5.12	3.3
1310	MD 391	0.88	0.75	1.63	391	22.0	1.60	90	51.39	5.10	3.2
1301	ARK 9610	0.67	0.44	1.10	357	20.0	1.55	91	54.40	5.89	3.5
1256	FM 960BR	0.75	0.55	1.30	352	12.5	1.37	98	48.86	5.36	3.8
1281	DPL 455BR	0.81	0.53	1.34	396	19.5	1.54	92	48.54	4.73	3.2
1302	ARK JJ46	1.04	0.73	1.77	395	23.3	1.63	88	51.70	5.07	3.2
1314	PHY 745WRF	0.67	0.42	1.08	.	.	.	.	.	.	.
1303	CS 37	0.90	0.71	1.61	381	17.8	1.50	93	49.27	5.01	3.4
1312	NM 03012	0.97	0.64	1.61	373	18.5	1.52	93	50.99	5.27	3.4
1313	PHY 485WRF	1.00	0.57	1.57	.	.	.	.	.	.	.
1306	CS 45	0.93	0.59	1.51	379	21.0	1.58	90	52.29	5.35	3.3
1311	NM 1155	0.87	0.53	1.40	412	19.8	1.55	92	47.09	4.42	3.1
.	LSD	0.12	0.12	0.20	26.3	9.1	0.21	8	4.35	0.40	0.4



2006 National Cotton Variety Test

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National Cotton Variety Tests, 2006
 Yield, Boll, Seed, Spinning and Data

2006 PIMA REGIONAL COTTON VARIETY TEST

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 (%)
1300	COBALT	1504	2.83	36.0	11.7	160	1.36	0.62	292	7.8
1272	DP 340	1489	2.89	36.7	12.0	161	1.34	0.62	315	7.8
615	PIMA S-7	1231	2.68	35.9	12.0	172	1.37	0.64	306	7.2
1182	DPL 744	1215	2.97	35.1	12.5	178	1.47	0.69	346	7.5
1273	PHY 800	918	2.67	35.2	12.7	175	1.37	0.63	326	7.3
1317	PHY 810	754	2.73	36.2	11.8	163	1.34	0.63	307	8.4

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 (%)
1300	COBALT	4.53	1.37	61.7	36.7	8.4	67.7	11.0	4.33	2675	23.01	4.05
1272	DP 340	4.70	1.30	85.3	40.5	8.8	68.5	10.0	4.65	2565	23.87	4.07
615	PIMA S-7	4.55	1.35	85.4	46.5	9.1	66.0	10.5	4.50	2203	22.92	3.73
1182	DPL 744	4.70	1.45	85.2	44.0	9.1	73.0	9.6	4.35	2252	22.49	4.27
1273	PHY 800	4.50	1.40	86.8	44.5	9.0	70.5	10.0	4.25	1689	22.42	3.82
1317	PHY 810	4.50	1.30	86.1	44.0	9.6	69.0	10.5	4.50	1329	22.40	3.85

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	M I	p (%)	w (microns)	t (mg/in)(microns)	
1300	COBALT	0.52	0.59	1.11	.	.	.	.	.	.
1272	DP 340	0.45	0.55	0.99	.	.	.	.	.	.
615	PIMA S-7	0.49	0.57	1.06	457	16.8	1.48	94	40.53	3.43	2.8
1182	DPL 744	0.63	0.65	1.28	.	.	.	.	.	.
1273	PHY 800	0.48	0.49	0.97	.	.	.	.	.	.
1317	PHY 810	0.46	0.54	1.00	.	.	.	.	.	.

BOLL SIZE, GRAM PER BOLL

DPL 744	2.97
DP 340	2.89
COBALT	2.83
PHY 810	2.73
PIMA S-7	2.68
PHY 800	2.67

LINT PERCENT

DP 340	36.7
PHY 810	36.2
COBALT	36.0
PIMA S-7	35.9
PHY 800	35.2
DPL 744	35.1

SEED INDEX

PHY 800	12.7
DPL 744	12.5
DP 340	12.0
PIMA S-7	12.0
PHY 810	11.8
COBALT	11.7

2.5% S.L. (INCHES)	
DPL 744	1.45
PHY 800	1.40
COBALT	1.37
PIMA S-7	1.35
DP 340	1.30
PHY 810	1.30

UR (PERCENT)	
PHY 800	86.8
PHY 810	86.1
PIMA S-7	85.4
DP 340	85.3
DPL 744	85.2
COBALT	61.7

STRENGTH (G/TEX)	
PIMA S-7	46.5
PHY 800	44.5
PHY 810	44.0
DPL 744	44.0
DP 340	40.5
COBALT	36.7

E	
PHY 810	9.6
DPL 744	9.1
PIMA S-7	9.1
PHY 800	9.0
DP 340	8.8
COBALT	8.4

MICRONAIRE (SL-HVI)	
DP 340	4.65
PHY 810	4.50
PIMA S-7	4.50
DPL 744	4.35
COBALT	4.33
PHY 800	4.25

COLORIMETER - Rd	
DPL 744	73.0
PHY 800	70.5
PHY 810	69.0
DP 340	68.5
COBALT	67.7
PIMA S-7	66.0

COLORIMETER - b	
COBALT	11.0
PHY 810	10.5
PIMA S-7	10.5
PHY 800	10.0
DP 340	10.0
DPL 744	9.6

MICRONAIRE	
DP 340	4.70
DPL 744	4.70
PIMA S-7	4.55
COBALT	4.53
PHY 810	4.50
PHY 800	4.50

STELOMETER - E1	
PHY 810	8.4
COBALT	7.8
DP 340	7.8
DPL 744	7.5
PHY 800	7.3
PIMA S-7	7.2

STELOMETER - T1	
DPL 744	346
PHY 800	326
DP 340	315

FIBROGRAPH--50% S.L.	
DPL 744	0.69
PIMA S-7	0.64
PHY 800	0.63

FIBROGRAPH--2.5% S.L.	
DPL 744	1.47
PIMA S-7	1.37
PHY 800	1.37

PHY 810	307
PIMA S-7	306
COBALT	292

PHY 810	0.63
DP 340	0.62
COBALT	0.62

COBALT	1.36
PHY 810	1.34
DP 340	1.34

 YARN TENACITY

DPL 744	178
PHY 800	175
PIMA S-7	172
PHY 810	163
DP 340	161
COBALT	160

 AREALOMETER - A (mm2/mm3)

PIMA S-7	457
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - D (mm2/mm3)

PIMA S-7	16.8
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - I

PIMA S-7	1.48
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - M (PERCENT)

PIMA S-7	94
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - p (Microns)

PIMA S-7	40.53
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - w (MG/INCH)

PIMA S-7	3.43
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 AREALOMETER - t (MICRONS)

PIMA S-7	2.8
DPL 744	.
PHY 800	.
PHY 810	.
DP 340	.
COBALT	.

 SEED YIELD (LB/ACRE)

COBALT	2675
DP 340	2565
DPL 744	2252
PIMA S-7	2203
PHY 800	1689
PHY 810	1329

OIL (PERCENT)	
DP 340	23.87
COBALT	23.01
PIMA S-7	22.92
DPL 744	22.49
PHY 800	22.42
PHY 810	22.40

NITROGEN (PERCENT)	
DPL 744	4.27
DP 340	4.07
COBALT	4.05
PHY 810	3.85
PHY 800	3.82
PIMA S-7	3.73

PLUS GOSSYPOL	
DPL 744	0.63
COBALT	0.52
PIMA S-7	0.49
PHY 800	0.48
PHY 810	0.46
DP 340	0.45

MINUS GOSSYPOL	
DPL 744	0.65
COBALT	0.59
PIMA S-7	0.57
DP 340	0.55
PHY 810	0.54
PHY 800	0.49

TOTAL GOSSYPOL (PERCENT)	
DPL 744	1.28
COBALT	1.11
PIMA S-7	1.06
PHY 810	1.00
DP 340	0.99
PHY 800	0.97

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				INDEX	TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
MARICOPA, AZ	1185	2.79	35.8	12.1	168	1.37	0.64	315	7.6

LOCATION	MICRO-NAIRE	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)					COLORIMETER	MICRO-NAIRE	SEED	OIL	NITR
		2.5% S.L.	UNIFO-MITY	STRE-NGTH	E	Rd						HUNTER'S b	YIELD	(%)	(%)
	(reading)	(in.)	(%)	(g/tex)			(Reading)	(lb/ac)			
MARICOPA, AZ	4.58	1.36	81.7	42.7	9.0	69.1	10.3	4.43	2119	22.85	3.96

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
MARICOPA, AZ	0.50	0.56	1.07	457	16.8	1.48	94	40.53	3.43	2.8

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



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National Cotton Variety Tests, 2006
 Yield, Boll, Seed, Spinning and Data

2006 PLAINS REGIONAL COTTON VARIETY TEST

PLAINS ALL LOCATIONS

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 (%)
1196	STV 4892 BR	1175	4.48	41.3	10.3	112	1.09	0.53	188	7.5
1255	FM 960B2R	1001	4.78	39.7	10.8	126	1.12	0.52	219	5.5

1224	DP 555 R/R	992	3.90	43.0	7.2	107	1.06	0.49	198	6.9
1135	PAYMASTER 2326 RR	962	4.10	38.2	9.7	115	1.04	0.51	209	7.8
1169	FIBERMAX 958	960	4.45	40.3	10.1	122	1.10	0.52	218	6.3
1215	PM 2266 RR	953	5.17	37.1	10.7	116	1.06	0.53	210	8.7
1214	PM 2167 RR	941	4.42	39.4	9.1	109	0.99	0.50	189	7.4
1275	BCG 24R	931	4.07	39.8	8.4	110	1.06	0.50	200	8.2
1266	STV NG 2448R	925	4.58	37.2	10.5	123	1.10	0.53	219	7.7
1166	PHYTOGEN 72	909	4.30	38.8	10.0	137	1.15	0.54	251	9.0
1268	FM 5044RR	878	4.63	37.3	10.0	115	1.07	0.52	203	9.3
1212	ALL TEX ATLAS RR	852	4.72	36.0	10.4	115	1.05	0.51	215	8.6
1274	AFD 3511RR	802	4.57	36.1	10.5	115	1.04	0.51	205	7.2
1276	ALL-TEX EXCESS RR	768	4.90	37.4	10.9	118	1.03	0.51	216	7.8
.	LSD	207	0.78	2.0	1.0	7	0.04	0.02	15	0.9

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
			2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b				
1196	STV 4892 BR	5.20	1.05	81.5	29.2	8.6	72.5	8.3	5.33	1598	19.97	3.59
1255	FM 960B2R	4.95	1.10	80.7	32.3	7.7	74.5	7.8	5.10	1423	21.82	3.62
1224	DP 555 R/R	4.83	1.03	79.6	28.7	7.8	76.2	7.5	4.93	1139	17.57	3.81
1135	PAYMASTER 2326 RR	5.02	1.05	81.8	31.0	8.8	71.5	8.2	5.07	1635	20.93	3.43
1169	FIBERMAX 958	5.05	1.07	80.6	31.7	7.9	73.8	7.9	5.10	1361	20.95	3.66
1215	PM 2266 RR	4.85	1.05	81.0	31.3	8.9	72.3	7.9	4.92	1610	20.68	3.57
1214	PM 2167 RR	5.10	0.97	80.8	29.2	8.5	72.7	8.2	5.18	1360	22.12	3.84
1275	BCG 24R	4.92	1.03	80.8	29.5	9.1	74.8	7.6	5.03	1363	19.73	3.51
1266	STV NG 2448R	4.73	1.07	81.4	33.0	9.0	72.7	8.0	4.70	1575	22.11	3.82
1166	PHYTOGEN 72	4.65	1.17	81.5	33.7	9.1	72.3	8.3	4.63	1493	21.29	3.66
1268	FM 5044RR	4.52	1.05	80.6	29.2	8.9	72.8	8.2	4.47	1374	22.29	3.67
1212	ALL TEX ATLAS RR	4.67	1.03	81.2	30.5	8.8	71.7	8.0	4.80	1533	21.65	3.57
1274	AFD 3511RR	4.83	1.03	81.0	30.8	8.4	71.7	8.3	5.00	1380	21.31	3.56
1276	ALL-TEX EXCESS RR	4.88	1.03	81.1	31.3	8.6	71.8	8.0	5.02	1273	21.05	3.62
.	LSD	0.30	0.04	0.8	1.5	0.4	1.4	0.4	0.30	362	1.06	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)
1196	STV 4892 BR	1.06	0.71	1.77	388	21.9	1.60	90	51.55	5.13	3.2
1255	FM 960B2R	0.80	0.58	1.38	401	20.8	1.57	91	49.20	4.76	3.1
1224	DP 555 R/R	0.71	0.47	1.18	413	21.1	1.58	90	47.87	4.48	3.0

1135	PAYMASTER 2326 RR	0.91	0.65	1.55	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.56	0.56	1.12	.	.	.	.	.	.	.
1215	PM 2266 RR	0.81	0.54	1.35	.	.	.	.	.	.	.
1214	PM 2167 RR	0.86	0.46	1.32	400	21.3	1.58	90	49.57	4.80	3.1
1275	BCG 24R	0.84	0.58	1.42	.	.	.	.	.	.	.
1266	STV NG 2448R	0.93	0.60	1.54	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.72	0.50	1.22	423	19.4	1.54	92	45.62	4.17	3.0
1268	FM 5044RR	0.78	0.55	1.33	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.91	0.65	1.55	.	.	.	.	.	.	.
1274	AFD 3511RR	0.77	0.59	1.36	.	.	.	.	.	.	.
1276	ALL-TEX EXCESS RR	0.85	0.58	1.42	.	.	.	.	.	.	.
.	LSD	0.11	0.07	0.17	15.3	3.4	0.08	3	1.65	0.24	0.1

PLAINS INCLUDING LUBBOCK AND LAMESA

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 (%)
1196	STV 4892 BR	826	4.00	40.7	9.9	113	1.09	0.52	185	7.9
1135	PAYMASTER 2326 RR	726	3.50	39.1	9.2	112	1.03	0.50	201	8.5
1266	STV NG 2448R	700	4.08	36.9	10.0	121	1.09	0.52	212	7.9
1215	PM 2266 RR	690	4.78	37.1	9.7	114	1.05	0.52	198	9.0
1166	PHYTOGEN 72	676	3.63	39.3	9.5	132	1.12	0.52	232	9.3
1255	FM 960B2R	673	4.28	39.0	10.2	121	1.12	0.52	213	5.7
1224	DP 555 R/R	670	3.55	41.8	6.9	105	1.05	0.48	191	7.2
1214	PM 2167 RR	667	4.03	39.0	8.7	106	0.99	0.49	182	7.1
1212	ALL TEX ATLAS RR	662	3.98	36.0	9.7	111	1.04	0.51	206	9.0
1169	FIBERMAX 958	657	3.95	39.9	9.7	120	1.10	0.51	207	6.7
1276	ALL-TEX EXCESS RR	615	3.90	37.8	9.6	112	1.01	0.49	199	8.0
1268	FM 5044RR	601	3.98	38.4	9.1	112	1.05	0.50	196	9.5
1275	BCG 24R	583	3.60	39.5	8.1	110	1.04	0.50	188	8.9
1274	AFD 3511RR	518	3.85	36.3	9.7	111	1.03	0.49	200	7.6
.	LSD	214	1.07	1.8	0.9	9	0.06	0.03	14	1.1

		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 (%)
1196	STV 4892 BR	5.20	1.03	80.6	28.3	8.5	73.3	8.8	5.35	1113	20.30	3.51
1135	PAYMASTER 2326 RR	4.90	1.03	80.9	29.8	8.8	72.5	8.8	5.03	1170	20.84	3.42
1266	STV NG 2448R	4.70	1.03	80.4	31.8	8.9	74.0	8.5	4.75	1202	21.92	3.75
1215	PM 2266 RR	4.73	1.03	80.3	29.8	8.8	73.5	8.5	4.80	1122	20.54	3.58
1166	PHYTOGEN 72	4.60	1.13	80.6	32.0	9.0	73.5	8.9	4.60	1048	21.22	3.65
1255	FM 960B2R	4.93	1.08	79.9	31.0	7.6	75.5	8.2	5.00	892	21.40	3.64
1224	DP 555 R/R	4.75	1.00	79.0	27.8	7.8	77.0	7.9	4.80	731	17.42	3.83
1214	PM 2167 RR	4.95	0.95	79.8	27.8	8.4	73.3	8.7	5.10	926	21.82	3.74
1212	ALL TEX ATLAS RR	4.83	1.00	80.4	29.3	8.8	74.0	8.5	4.93	1183	21.12	3.54
1169	FIBERMAX 958	4.90	1.05	80.3	31.3	7.9	75.3	8.3	4.98	906	20.68	3.65
1276	ALL-TEX EXCESS RR	4.75	1.00	80.1	29.3	8.4	72.8	8.5	4.93	921	21.03	3.65
1268	FM 5044RR	4.48	1.00	79.9	28.0	8.8	74.3	8.8	4.53	777	21.71	3.71
1275	BCG 24R	4.85	1.00	80.0	28.3	9.2	76.0	8.4	4.98	839	19.96	3.59
1274	AFD 3511RR	4.70	1.00	80.3	29.3	8.2	72.8	8.9	4.88	824	21.19	3.49
.	LSD	0.33	0.06	1.2	1.9	0.6	1.4	0.5	0.34	525	1.38	0.21

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	1.16	0.76	1.93	390	22.3	1.60	89	51.58	5.12	3.2
1135	PAYMASTER 2326 RR	0.96	0.65	1.61	.	.	.	.	.	.	.
1266	STV NG 2448R	1.01	0.63	1.65	.	.	.	.	.	.	.
1215	PM 2266 RR	0.85	0.53	1.38	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.74	0.51	1.25	426	20.1	1.55	91	45.78	4.16	3.0
1255	FM 960B2R	0.84	0.59	1.44	404	21.4	1.58	90	49.22	4.73	3.1
1224	DP 555 R/R	0.73	0.46	1.19	418	22.5	1.61	89	48.33	4.48	3.0
1214	PM 2167 RR	0.89	0.46	1.35	397	20.4	1.56	91	49.27	4.80	3.2
1212	ALL TEX ATLAS RR	0.95	0.64	1.59	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.57	0.56	1.13	.	.	.	.	.	.	.
1276	ALL-TEX EXCESS RR	0.86	0.58	1.44	.	.	.	.	.	.	.
1268	FM 5044RR	0.82	0.54	1.36	.	.	.	.	.	.	.
1275	BCG 24R	0.90	0.57	1.47	.	.	.	.	.	.	.
1274	AFD 3511RR	0.80	0.58	1.37	.	.	.	.	.	.	.
.	LSD	0.14	0.09	0.22	24.0	4.4	0.10	4	2.91	0.50	0.2

PLAINS INCLUDING 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 FIBROGRAPH 2.5% S.L. (inches)	50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1196	STV 4892 BR	1873	5.45	42.7	11.2	112	1.10	0.53	195	6.8
1255	FM 960B2R	1657	5.80	41.3	12.1	134	1.13	0.54	230	5.1
1224	DP 555 R/R	1637	4.60	45.3	7.8	110	1.08	0.50	211	6.3
1275	BCG 24R	1628	5.00	40.4	9.1	111	1.09	0.52	224	6.9
1169	FIBERMAX 958	1565	5.45	41.0	10.8	126	1.11	0.54	241	5.6
1214	PM 2167 RR	1489	5.20	40.2	10.0	115	1.00	0.51	204	7.9
1215	PM 2266 RR	1480	5.95	37.0	12.7	122	1.07	0.55	233	8.3
1135	PAYMASTER 2326 RR	1433	5.30	36.4	10.8	121	1.06	0.54	227	6.5
1268	FM 5044RR	1431	5.95	35.2	11.7	122	1.11	0.55	219	9.1
1266	STV NG 2448R	1375	5.60	37.8	11.5	128	1.13	0.56	233	7.3
1166	PHYTOGEN 72	1374	5.65	37.9	11.1	147	1.21	0.58	290	8.3
1274	AFD 3511RR	1370	6.00	35.7	12.0	123	1.06	0.54	217	6.5
1212	ALL TEX ATLAS RR	1233	6.20	36.0	11.8	124	1.09	0.53	233	7.8
1276	ALL-TEX EXCESS RR	1075	6.90	36.5	13.6	129	1.07	0.54	249	7.3

VARIETY CODE	VARIETY NAME	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b (Reading)	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1196	STV 4892 BR	5.20	1.10	83.3	31.0	8.9	71.0	7.2	5.30	2566	19.33	3.76
1255	FM 960B2R	5.00	1.15	82.4	35.0	7.8	72.5	7.0	5.30	2487	22.66	3.59
1224	DP 555 R/R	5.00	1.10	80.6	30.5	7.6	74.5	6.5	5.20	1954	17.87	3.78
1275	BCG 24R	5.05	1.10	82.4	32.0	9.0	72.5	6.0	5.15	2410	19.26	3.34
1169	FIBERMAX 958	5.35	1.10	81.3	32.5	7.8	71.0	7.2	5.35	2271	21.49	3.70
1214	PM 2167 RR	5.40	1.00	82.9	32.0	8.8	71.5	7.2	5.35	2227	22.72	4.04
1215	PM 2266 RR	5.10	1.10	82.5	34.5	9.0	70.0	6.7	5.15	2587	20.98	3.56
1135	PAYMASTER 2326 RR	5.25	1.10	83.7	33.5	9.0	69.5	7.1	5.15	2565	21.12	3.46
1268	FM 5044RR	4.60	1.15	82.1	31.5	9.2	70.0	7.1	4.35	2568	23.45	3.61
1266	STV NG 2448R	4.80	1.15	83.3	35.5	9.3	70.0	6.9	4.60	2319	22.48	3.97
1166	PHYTOGEN 72	4.75	1.25	83.3	37.0	9.2	70.0	7.1	4.70	2382	21.45	3.69

1274 AFD 3511RR	5.10	1.10	82.5	34.0	8.7	69.5	7.1	5.25	2493	21.55	3.70
1212 ALL TEX ATLAS RR	4.35	1.10	82.9	33.0	8.8	67.0	7.1	4.55	2232	22.70	3.65
1276 ALL-TEX EXCESS RR	5.15	1.10	83.1	35.5	9.0	70.0	7.1	5.20	1978	21.09	3.58

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	0.86	0.61	1.46	385	21.3	1.58	90	51.48	5.16	3.3
1255	FM 960B2R	0.71	0.56	1.26	395	19.8	1.54	92	49.17	4.82	3.2
1224	DP 555 R/R	0.67	0.49	1.15	404	18.3	1.51	93	46.95	4.49	3.2
1275	BCG 24R	0.73	0.59	1.31	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.54	0.56	1.09	.	.	.	.	.	.	.
1214	PM 2167 RR	0.80	0.45	1.25	404	23.0	1.62	89	50.15	4.80	3.1
1215	PM 2266 RR	0.75	0.55	1.29	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	0.81	0.65	1.45	.	.	.	.	.	.	.
1268	FM 5044RR	0.71	0.56	1.26	.	.	.	.	.	.	.
1266	STV NG 2448R	0.78	0.54	1.32	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.67	0.49	1.16	417	18.0	1.51	94	45.31	4.20	3.1
1274	AFD 3511RR	0.72	0.61	1.33	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.82	0.65	1.47	.	.	.	.	.	.	.
1276	ALL-TEX EXCESS RR	0.83	0.58	1.40	.	.	.	.	.	.	.

----- BOLL SIZE, GRAM PER BOLL -----		----- LINT PERCENT -----		----- SEED INDEX -----	
PM 2266 RR	5.17	DP 555 R/R	43.0	ALL-TEX EXCESS RR	10.9
ALL-TEX EXCESS RR	4.90	STV 4892 BR	41.3	FM 960B2R	10.8
FM 960B2R	4.78	FIBERMAX 958	40.3	PM 2266 RR	10.7
ALL TEX ATLAS RR	4.72	BCG 24R	39.8	STV NG 2448R	10.5
FM 5044RR	4.63	FM 960B2R	39.7	AFD 3511RR	10.5
STV NG 2448R	4.58	PM 2167 RR	39.4	ALL TEX ATLAS RR	10.4
AFD 3511RR	4.57	PHYTOGEN 72	38.8	STV 4892 BR	10.3
STV 4892 BR	4.48	PAYMASTER 2326 RR	38.2	FIBERMAX 958	10.1
FIBERMAX 958	4.45	ALL-TEX EXCESS RR	37.4	PHYTOGEN 72	10.0

PM 2167 RR	4.42
PHYTOGEN 72	4.30
PAYMASTER 2326 RR	4.10
BCG 24R	4.07
DP 555 R/R	3.90
LSD	0.78

FM 5044RR	37.3
STV NG 2448R	37.2
PM 2266 RR	37.1
AFD 3511RR	36.1
ALL TEX ATLAS RR	36.0
LSD	2.0

FM 5044RR	10.0
PAYMASTER 2326 RR	9.7
PM 2167 RR	9.1
BCG 24R	8.4
DP 555 R/R	7.2
LSD	1.0

2.5% S.L. (INCHES)

PHYTOGEN 72	1.17
FM 960B2R	1.10
STV NG 2448R	1.07
FIBERMAX 958	1.07
PM 2266 RR	1.05
STV 4892 BR	1.05
FM 5044RR	1.05
PAYMASTER 2326 RR	1.05
ALL-TEX EXCESS RR	1.03
AFD 3511RR	1.03
ALL TEX ATLAS RR	1.03
BCG 24R	1.03
DP 555 R/R	1.03
PM 2167 RR	0.97
LSD	0.04

UR (PERCENT)

PAYMASTER 2326 RR	81.8
PHYTOGEN 72	81.5
STV 4892 BR	81.5
STV NG 2448R	81.4
ALL TEX ATLAS RR	81.2
ALL-TEX EXCESS RR	81.1
AFD 3511RR	81.0
PM 2266 RR	81.0
PM 2167 RR	80.8
BCG 24R	80.8
FM 960B2R	80.7
FIBERMAX 958	80.6
FM 5044RR	80.6
DP 555 R/R	79.6
LSD	0.8

STRENGTH (G/TEX)

PHYTOGEN 72	33.7
STV NG 2448R	33.0
FM 960B2R	32.3
FIBERMAX 958	31.7
ALL-TEX EXCESS RR	31.3
PM 2266 RR	31.3
PAYMASTER 2326 RR	31.0
AFD 3511RR	30.8
ALL TEX ATLAS RR	30.5
BCG 24R	29.5
STV 4892 BR	29.2
PM 2167 RR	29.2
FM 5044RR	29.2
DP 555 R/R	28.7
LSD	1.5

E

BCG 24R	9.1
PHYTOGEN 72	9.1
STV NG 2448R	9.0
FM 5044RR	8.9
PM 2266 RR	8.9
PAYMASTER 2326 RR	8.8
ALL TEX ATLAS RR	8.8
STV 4892 BR	8.6

MICRONAIRE (SL-HVI)

STV 4892 BR	5.33
PM 2167 RR	5.18
FIBERMAX 958	5.10
FM 960B2R	5.10
PAYMASTER 2326 RR	5.07
BCG 24R	5.03
ALL-TEX EXCESS RR	5.02
AFD 3511RR	5.00

COLORIMETER - Rd

DP 555 R/R	76.2
BCG 24R	74.8
FM 960B2R	74.5
FIBERMAX 958	73.8
FM 5044RR	72.8
PM 2167 RR	72.7
STV NG 2448R	72.7
STV 4892 BR	72.5

ALL-TEX EXCESS RR	8.6
PM 2167 RR	8.5
AFD 3511RR	8.4
FIBERMAX 958	7.9
DP 555 R/R	7.8
FM 960B2R	7.7
LSD	0.4

DP 555 R/R	4.93
PM 2266 RR	4.92
ALL TEX ATLAS RR	4.80
STV NG 2448R	4.70
PHYTOGEN 72	4.63
FM 5044RR	4.47
LSD	0.30

PM 2266 RR	72.3
PHYTOGEN 72	72.3
ALL-TEX EXCESS RR	71.8
AFD 3511RR	71.7
ALL TEX ATLAS RR	71.7
PAYMASTER 2326 RR	71.5
LSD	1.4

 COLORIMETER - b

AFD 3511RR	8.3
PHYTOGEN 72	8.3
STV 4892 BR	8.3
FM 5044RR	8.2
PAYMASTER 2326 RR	8.2
PM 2167 RR	8.2
ALL-TEX EXCESS RR	8.0
ALL TEX ATLAS RR	8.0
STV NG 2448R	8.0
PM 2266 RR	7.9
FIBERMAX 958	7.9
FM 960B2R	7.8
BCG 24R	7.6
DP 555 R/R	7.5
LSD	0.4

 MICRONAIRE

STV 4892 BR	5.20
PM 2167 RR	5.10
FIBERMAX 958	5.05
PAYMASTER 2326 RR	5.02
FM 960B2R	4.95
BCG 24R	4.92
ALL-TEX EXCESS RR	4.88
PM 2266 RR	4.85
AFD 3511RR	4.83
DP 555 R/R	4.83
STV NG 2448R	4.73
ALL TEX ATLAS RR	4.67
PHYTOGEN 72	4.65
FM 5044RR	4.52
LSD	0.30

 STELOMETER - E1

FM 5044RR	9.3
PHYTOGEN 72	9.0
PM 2266 RR	8.7
ALL TEX ATLAS RR	8.6
BCG 24R	8.2
PAYMASTER 2326 RR	7.8
ALL-TEX EXCESS RR	7.8
STV NG 2448R	7.7
STV 4892 BR	7.5
PM 2167 RR	7.4
AFD 3511RR	7.2
DP 555 R/R	6.9
FIBERMAX 958	6.3
FM 960B2R	5.5
LSD	0.9

 STELOMETER - T1

PHYTOGEN 72	251
FM 960B2R	219
STV NG 2448R	219
FIBERMAX 958	218
ALL-TEX EXCESS RR	216
ALL TEX ATLAS RR	215
PM 2266 RR	210

 FIBROGRAPH--50% S.L.

PHYTOGEN 72	0.54
STV NG 2448R	0.53
PM 2266 RR	0.53
STV 4892 BR	0.53
FM 960B2R	0.52
FIBERMAX 958	0.52
FM 5044RR	0.52

 FIBROGRAPH--2.5% S.L.

PHYTOGEN 72	1.15
FM 960B2R	1.12
STV NG 2448R	1.10
FIBERMAX 958	1.10
STV 4892 BR	1.09
FM 5044RR	1.07
PM 2266 RR	1.06

PAYMASTER 2326 RR	209
AFD 3511RR	205
FM 5044RR	203
BCG 24R	200
DP 555 R/R	198
PM 2167 RR	189
STV 4892 BR	188
LSD	15

ALL TEX ATLAS RR	0.51
PAYMASTER 2326 RR	0.51
ALL-TEX EXCESS RR	0.51
AFD 3511RR	0.51
BCG 24R	0.50
PM 2167 RR	0.50
DP 555 R/R	0.49
LSD	0.02

DP 555 R/R	1.06
BCG 24R	1.06
ALL TEX ATLAS RR	1.05
PAYMASTER 2326 RR	1.04
AFD 3511RR	1.04
ALL-TEX EXCESS RR	1.03
PM 2167 RR	0.99
LSD	0.04

 YARN TENACITY

PHYTOGEN 72	13
FM 960B2R	12
STV NG 2448R	12
FIBERMAX 958	12
ALL-TEX EXCESS RR	11
PM 2266 RR	11
ALL TEX ATLAS RR	11
PAYMASTER 2326 RR	11
AFD 3511RR	11
FM 5044RR	11
STV 4892 BR	11
BCG 24R	11
PM 2167 RR	10
DP 555 R/R	10
LSD	

 AREALOMETER - A (mm2/mm3)

PHYTOGEN 72	423
DP 555 R/R	413
FM 960B2R	401
PM 2167 RR	400
STV 4892 BR	388
STV NG 2448R	.
FIBERMAX 958	.
ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	15.3

 AREALOMETER - D (mm2/mm3)

STV 4892 BR	21.9
PM 2167 RR	21.3
DP 555 R/R	21.1
FM 960B2R	20.8
PHYTOGEN 72	19.4
STV NG 2448R	.
FIBERMAX 958	.
ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	3.4

 AREALOMETER - I

STV 4892 BR	1.60
PM 2167 RR	1.58
DP 555 R/R	1.58
FM 960B2R	1.57
PHYTOGEN 72	1.54
STV NG 2448R	.
FIBERMAX 958	.

 AREALOMETER - M (PERCENT)

PHYTOGEN 72	92
FM 960B2R	91
DP 555 R/R	90
PM 2167 RR	90
STV 4892 BR	90
STV NG 2448R	.
FIBERMAX 958	.

 AREALOMETER - p (Microns)

STV 4892 BR	51.55
PM 2167 RR	49.57
FM 960B2R	49.20
DP 555 R/R	47.87
PHYTOGEN 72	45.62
STV NG 2448R	.
FIBERMAX 958	.

ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	0.08

ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	3

ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	1.65

AREALOMETER - w (MG/INCH)

STV 4892 BR	5.13
PM 2167 RR	4.80
FM 960B2R	4.76
DP 555 R/R	4.48
PHYTOGEN 72	4.17
STV NG 2448R	.
FIBERMAX 958	.
ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	0.24

AREALOMETER - t (MICRONS)

STV 4892 BR	3.2
PM 2167 RR	3.1
FM 960B2R	3.1
DP 555 R/R	3.0
PHYTOGEN 72	3.0
STV NG 2448R	.
FIBERMAX 958	.
ALL-TEX EXCESS RR	.
PM 2266 RR	.
ALL TEX ATLAS RR	.
PAYMASTER 2326 RR	.
AFD 3511RR	.
FM 5044RR	.
BCG 24R	.
LSD	0.1

SEED YIELD (LB/ACRE)

PAYMASTER 2326 RR	1635
PM 2266 RR	1610
STV 4892 BR	1598
STV NG 2448R	1575
ALL TEX ATLAS RR	1533
PHYTOGEN 72	1493
FM 960B2R	1423
AFD 3511RR	1380
FM 5044RR	1374
BCG 24R	1363
FIBERMAX 958	1361
PM 2167 RR	1360
ALL-TEX EXCESS RR	1273
DP 555 R/R	1139
LSD	362

OIL (PERCENT)

FM 5044RR	22.29
PM 2167 RR	22.12
STV NG 2448R	22.11
FM 960B2R	21.82
ALL TEX ATLAS RR	21.65
AFD 3511RR	21.31
PHYTOGEN 72	21.29

NITROGEN (PERCENT)

PM 2167 RR	3.84
STV NG 2448R	3.82
DP 555 R/R	3.81
FM 5044RR	3.67
FIBERMAX 958	3.66
PHYTOGEN 72	3.66
ALL-TEX EXCESS RR	3.62

PLUS GOSSYPOL

STV 4892 BR	1.06
STV NG 2448R	0.93
ALL TEX ATLAS RR	0.91
PAYMASTER 2326 RR	0.91
PM 2167 RR	0.86
ALL-TEX EXCESS RR	0.85
BCG 24R	0.84

ALL-TEX EXCESS RR	21.05	FM 960B2R	3.62	PM 2266 RR	0.81
FIBERMAX 958	20.95	STV 4892 BR	3.59	FM 960B2R	0.80
PAYMASTER 2326 RR	20.93	ALL TEX ATLAS RR	3.57	FM 5044RR	0.78
PM 2266 RR	20.68	PM 2266 RR	3.57	AFD 3511RR	0.77
STV 4892 BR	19.97	AFD 3511RR	3.56	PHYTOGEN 72	0.72
BCG 24R	19.73	BCG 24R	3.51	DP 555 R/R	0.71
DP 555 R/R	17.57	PAYMASTER 2326 RR	3.43	FIBERMAX 958	0.56
LSD	1.06	LSD	0.19	LSD	0.11

MINUS GOSSYPOL

STV 4892 BR	0.71
PAYMASTER 2326 RR	0.65
ALL TEX ATLAS RR	0.65
STV NG 2448R	0.60
AFD 3511RR	0.59
FM 960B2R	0.58
BCG 24R	0.58
ALL-TEX EXCESS RR	0.58
FIBERMAX 958	0.56
FM 5044RR	0.55
PM 2266 RR	0.54
PHYTOGEN 72	0.50
DP 555 R/R	0.47
PM 2167 RR	0.46
LSD	0.07

TOTAL GOSSYPOL (PERCENT)

STV 4892 BR	1.77
PAYMASTER 2326 RR	1.55
ALL TEX ATLAS RR	1.55
STV NG 2448R	1.54
ALL-TEX EXCESS RR	1.42
BCG 24R	1.42
FM 960B2R	1.38
AFD 3511RR	1.36
PM 2266 RR	1.35
FM 5044RR	1.33
PM 2167 RR	1.32
PHYTOGEN 72	1.22
DP 555 R/R	1.18
FIBERMAX 958	1.12
LSD	0.17

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)	(%)
ALTUS, OK (IRR)	1473	5.65	38.8	11.1	123	1.09	0.54	229	7.1
LUBBOCK, TX (IRR)	1162	4.93	38.7	10.1	116	1.08	0.52	201	8.8
LAMESA, TX (DRY)	162	2.94	38.6	8.5	112	1.03	0.49	201	7.2

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	Rd	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
ALTUS, OK (IRR)	5.01	1.11	82.6	33.4	8.7	70.6	6.9	5.04	2360	21.29	3.67
LUBBOCK, TX (IRR)	4.83	1.03	80.8	29.6	8.8	75.5	8.1	4.91	1702	20.89	3.76
LAMESA, TX (DRY)	4.78	1.01	79.5	29.4	8.2	72.8	9.0	4.89	249	20.70	3.49

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
ALTUS, OK (IRR)	0.74	0.56	1.30	401	20.1	1.55	91	48.61	4.69	3.2
LUBBOCK, TX (IRR)	0.86	0.60	1.46	408	22.5	1.61	89	49.50	4.71	3.1
LAMESA, TX (DRY)	0.87	0.55	1.42	406	20.2	1.56	91	48.17	4.60	3.1

LOCATION=LUBBOCK, 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 (%)
1196	STV 4892 BR	1442	5.05	40.4	10.9	112	1.09	0.52	186	8.3
1135	PAYMASTER 2326 RR	1322	4.90	38.3	10.4	119	1.08	0.53	204	9.8
1266	STV NG 2448R	1266	5.10	37.2	10.5	125	1.11	0.53	210	8.6
1166	PHYTOGEN 72	1234	4.95	39.3	10.5	132	1.18	0.56	235	10.5
1215	PM 2266 RR	1221	6.45	37.1	10.9	117	1.10	0.54	202	10.0
1212	ALL TEX ATLAS RR	1191	5.10	35.4	10.8	116	1.08	0.53	210	10.2
1169	FIBERMAX 958	1149	4.70	40.8	10.3	124	1.12	0.52	201	7.1

1214	PM 2167 RR	1140	4.60	39.0	9.4	109	1.01	0.51	188	7.5
1224	DP 555 R/R	1140	4.05	42.4	7.2	108	1.06	0.49	188	8.2
1255	FM 960B2R	1139	5.15	40.3	10.5	118	1.12	0.52	201	6.4
1276	ALL-TEX EXCESS RR	1066	4.90	37.3	10.5	110	1.01	0.49	197	8.2
1268	FM 5044RR	1063	5.00	38.5	10.2	116	1.09	0.52	198	10.5
1275	BCG 24R	1015	4.05	40.0	8.5	111	1.05	0.50	187	9.7
1274	AFD 3511RR	877	5.05	35.7	10.6	116	1.06	0.51	206	8.3
.	LSD	242	0.92	2.7	0.8	11	0.06	0.03	16	1.6

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 (%)
1196	STV 4892 BR	5.30	1.05	81.2	28.0	8.8	74.5	8.6	5.45	1920	19.46	3.64
1135	PAYMASTER 2326 RR	5.00	1.05	81.8	29.5	9.3	74.0	8.4	5.05	2176	20.70	3.53
1266	STV NG 2448R	4.55	1.05	81.0	31.5	9.1	76.0	8.0	4.55	2152	22.07	3.87
1166	PHYTOGEN 72	4.65	1.15	81.5	32.0	9.3	75.5	8.5	4.70	1911	21.12	3.72
1215	PM 2266 RR	4.90	1.05	81.5	29.5	9.2	75.0	8.1	4.95	1968	21.53	3.69
1212	ALL TEX ATLAS RR	4.95	1.05	81.2	30.0	9.4	75.5	8.0	5.05	2133	21.56	3.68
1169	FIBERMAX 958	4.85	1.05	80.7	31.0	8.1	76.5	7.9	4.90	1580	20.90	3.74
1214	PM 2167 RR	5.05	0.95	80.7	29.0	8.8	74.5	8.1	5.10	1539	21.80	3.97
1224	DP 555 R/R	4.85	1.00	79.7	28.0	8.2	78.0	7.7	4.90	1223	17.96	4.03
1255	FM 960B2R	4.75	1.05	79.5	30.5	7.7	76.5	7.9	4.80	1465	21.43	3.60
1276	ALL-TEX EXCESS RR	4.80	1.00	80.4	28.5	8.3	73.0	7.9	5.00	1585	21.68	3.81
1268	FM 5044RR	4.35	1.00	80.7	28.5	9.1	75.5	8.1	4.45	1340	21.34	3.92
1275	BCG 24R	4.90	1.00	80.9	28.5	9.2	77.5	8.0	5.05	1418	20.00	3.76
1274	AFD 3511RR	4.75	1.00	81.3	30.5	8.6	74.5	8.3	4.85	1411	21.00	3.68
.	LSD	0.42	0.08	0.9	2.7	0.4	1.5	0.4	0.40	546	1.27	0.27

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	1.06	0.73	1.79	386	23.8	1.64	88	53.16	5.33	3.2
1135	PAYMASTER 2326 RR	0.93	0.70	1.62	.	.	.	.	.	.	.
1266	STV NG 2448R	1.02	0.65	1.67	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.79	0.57	1.35	420	20.0	1.55	91	46.29	4.26	3.0
1215	PM 2266 RR	0.92	0.60	1.52	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.97	0.69	1.66	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.54	0.57	1.11	.	.	.	.	.	.	.

1214	PM 2167 RR	0.92	0.49	1.41	401	22.8	1.61	89	50.56	4.89	3.1	
1224	DP 555 R/R	0.76	0.52	1.28	417	22.5	1.61	89	48.36	4.48	3.0	
1255	FM 960B2R	0.84	0.62	1.46	415	23.3	1.63	89	49.15	4.59	3.0	
1276	ALL-TEX EXCESS RR	0.84	0.63	1.47	.	.	.	.	.	.	.
1268	FM 5044RR	0.76	0.53	1.29	.	.	.	.	.	.	.
1275	BCG 24R	0.86	0.58	1.44	.	.	.	.	.	.	.
1274	AFD 3511RR	0.79	0.60	1.39	.	.	.	.	.	.	.
.	LSD	0.12	0.12	0.21	22.	6	5.3	0.12	5	4.93	0.73	0.2

LOCATION=LAMESA, TX (DRY)

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH (2.5% S.L. 50% S.L. inches)		STELOMETER (T1 E1 mN/tex (%))	
1196	STV 4892 BR	210	2.95	40.9	8.8	114	1.08	0.53	184	7.5
1255	FM 960B2R	208	3.40	37.6	9.9	125	1.12	0.52	225	4.9
1224	DP 555 R/R	201	3.05	41.2	6.5	103	1.04	0.48	195	6.2
1214	PM 2167 RR	194	3.45	39.0	8.0	104	0.97	0.48	177	6.7
1169	FIBERMAX 958	165	3.20	39.1	9.2	117	1.08	0.50	214	6.4
1276	ALL-TEX EXCESS RR	163	2.90	38.3	8.8	115	1.02	0.49	201	7.9
1215	PM 2266 RR	160	3.10	37.2	8.6	111	1.01	0.49	195	7.9
1274	AFD 3511RR	159	2.65	36.9	8.9	107	1.00	0.48	194	6.9
1275	BCG 24R	151	3.15	39.1	7.6	109	1.03	0.49	188	8.1
1268	FM 5044RR	139	2.95	38.3	8.1	107	1.01	0.49	194	8.4
1266	STV NG 2448R	135	3.05	36.6	9.5	118	1.07	0.51	214	7.3
1212	ALL TEX ATLAS RR	133	2.85	36.7	8.7	106	1.00	0.49	202	7.9
1135	PAYMASTER 2326 RR	130	2.10	39.9	8.0	106	0.99	0.48	198	7.3
1166	PHYTOGEN 72	118	2.30	39.4	8.5	131	1.05	0.49	230	8.2
.	LSD	45	1.80	2.2	0.7	5	0.04	0.02	16	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)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	5.10	1.00	80.0	28.5	307	21.14	3.38
1255	FM 960B2R	5.10	1.10	80.3	31.5	319	21.38	3.68
1224	DP 555 R/R	4.65	1.00	78.4	27.5	239	16.89	3.62

1214	PM 2167 RR	4.85	0.95	79.0	26.5	8.0	72.0	9.3	5.10	313	21.85	3.51
1169	FIBERMAX 958	4.95	1.05	79.9	31.5	7.7	74.0	8.7	5.05	231	20.47	3.55
1276	ALL-TEX EXCESS RR	4.70	1.00	79.7	30.0	8.5	72.5	9.2	4.85	258	20.39	3.49
1215	PM 2266 RR	4.55	1.00	79.1	30.0	8.5	72.0	8.9	4.65	275	19.55	3.47
1274	AFD 3511RR	4.65	1.00	79.4	28.0	7.8	71.0	9.6	4.90	237	21.38	3.30
1275	BCG 24R	4.80	1.00	79.2	28.0	9.1	74.5	8.8	4.90	260	19.93	3.43
1268	FM 5044RR	4.60	1.00	79.1	27.5	8.5	73.0	9.6	4.60	214	22.08	3.50
1266	STV NG 2448R	4.85	1.00	79.9	32.0	8.6	72.0	9.1	4.95	253	21.78	3.64
1212	ALL TEX ATLAS RR	4.70	0.95	79.6	28.5	8.2	72.5	8.9	4.80	232	20.69	3.40
1135	PAYMASTER 2326 RR	4.80	1.00	80.0	30.0	8.2	71.0	9.2	5.00	163	20.98	3.30
1166	PHYTOGEN 72	4.55	1.10	79.7	32.0	8.7	71.5	9.3	4.50	185	21.32	3.57
.	LSD	0.34	0.07	1.0	1.7	0.4	1.7	0.4	0.21	109	1.39	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)
1196	STV 4892 BR	1.27	0.80	2.07	394	20.8	1.57	91	50.00	4.91	3.2
1255	FM 960B2R	0.85	0.57	1.42	393	19.5	1.54	92	49.29	4.86	3.2
1224	DP 555 R/R	0.70	0.41	1.10	418	22.5	1.61	89	48.30	4.47	3.0
1214	PM 2167 RR	0.86	0.43	1.29	394	18.0	1.51	93	47.99	4.71	3.2
1169	FIBERMAX 958	0.60	0.56	1.15	.	.	.	.	.	.	.
1276	ALL-TEX EXCESS RR	0.88	0.53	1.41	.	.	.	.	.	.	.
1215	PM 2266 RR	0.77	0.46	1.23	.	.	.	.	.	.	.
1274	AFD 3511RR	0.81	0.56	1.36	.	.	.	.	.	.	.
1275	BCG 24R	0.94	0.57	1.51	.	.	.	.	.	.	.
1268	FM 5044RR	0.89	0.55	1.44	.	.	.	.	.	.	.
1266	STV NG 2448R	1.01	0.62	1.62	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.94	0.60	1.53	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	0.99	0.60	1.59	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.70	0.46	1.16	432	20.3	1.56	91	45.28	4.05	2.9
.	LSD	0.17	0.17	0.30	22.3	2.9	0.07	2	3.44	0.59	0.2

LOCATION=ALTUS, OK (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 (%)
1196	STV 4892 BR	1873	5.45	42.7	11.2	112	1.10	0.53	195	6.8
1255	FM 960B2R	1657	5.80	41.3	12.1	134	1.13	0.54	230	5.1
1224	DP 555 R/R	1637	4.60	45.3	7.8	110	1.08	0.50	211	6.3
1275	BCG 24R	1628	5.00	40.4	9.1	111	1.09	0.52	224	6.9
1169	FIBERMAX 958	1565	5.45	41.0	10.8	126	1.11	0.54	241	5.6
1214	PM 2167 RR	1489	5.20	40.2	10.0	115	1.00	0.51	204	7.9
1215	PM 2266 RR	1480	5.95	37.0	12.7	122	1.07	0.55	233	8.3
1135	PAYMASTER 2326 RR	1433	5.30	36.4	10.8	121	1.06	0.54	227	6.5
1268	FM 5044RR	1431	5.95	35.2	11.7	122	1.11	0.55	219	9.1
1266	STV NG 2448R	1375	5.60	37.8	11.5	128	1.13	0.56	233	7.3
1166	PHYTOGEN 72	1374	5.65	37.9	11.1	147	1.21	0.58	290	8.3
1274	AFD 3511RR	1370	6.00	35.7	12.0	123	1.06	0.54	217	6.5
1212	ALL TEX ATLAS RR	1233	6.20	36.0	11.8	124	1.09	0.53	233	7.8
1276	ALL-TEX EXCESS RR	1075	6.90	36.5	13.6	129	1.07	0.54	249	7.3
.	LSD	97	0.55	1.5	0.7	8	0.05	0.03	15	1.0

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

VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	SEED YIELD	COLORIMETER		MICRO-	OIL	NITR	
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)		HUNTER'S	NAIRE (Reading)				OGEN (%)
1196	STV 4892 BR	5.20	1.10	83.3	31.0	8.9	71.0	7.2	5.30	2566	19.33	3.76
1255	FM 960B2R	5.00	1.15	82.4	35.0	7.8	72.5	7.0	5.30	2487	22.66	3.59
1224	DP 555 R/R	5.00	1.10	80.6	30.5	7.6	74.5	6.5	5.20	1954	17.87	3.78
1275	BCG 24R	5.05	1.10	82.4	32.0	9.0	72.5	6.0	5.15	2410	19.26	3.34
1169	FIBERMAX 958	5.35	1.10	81.3	32.5	7.8	71.0	7.2	5.35	2271	21.49	3.70
1214	PM 2167 RR	5.40	1.00	82.9	32.0	8.8	71.5	7.2	5.35	2227	22.72	4.04
1215	PM 2266 RR	5.10	1.10	82.5	34.5	9.0	70.0	6.7	5.15	2587	20.98	3.56
1135	PAYMASTER 2326 RR	5.25	1.10	83.7	33.5	9.0	69.5	7.1	5.15	2565	21.12	3.46
1268	FM 5044RR	4.60	1.15	82.1	31.5	9.2	70.0	7.1	4.35	2568	23.45	3.61
1266	STV NG 2448R	4.80	1.15	83.3	35.5	9.3	70.0	6.9	4.60	2319	22.48	3.97
1166	PHYTOGEN 72	4.75	1.25	83.3	37.0	9.2	70.0	7.1	4.70	2382	21.45	3.69
1274	AFD 3511RR	5.10	1.10	82.5	34.0	8.7	69.5	7.1	5.25	2493	21.55	3.70
1212	ALL TEX ATLAS RR	4.35	1.10	82.9	33.0	8.8	67.0	7.1	4.55	2232	22.70	3.65
1276	ALL-TEX EXCESS RR	5.15	1.10	83.1	35.5	9.0	70.0	7.1	5.20	1978	21.09	3.58
.	LSD	0.44	0.08	1.8	2.4	0.4	2.5	1.1	0.35	298	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)
1196	STV 4892 BR	0.86	0.61	1.46	385	21.3	1.58	90	51.48	5.16	3.3
1255	FM 960B2R	0.71	0.56	1.26	395	19.8	1.54	92	49.17	4.82	3.2
1224	DP 555 R/R	0.67	0.49	1.15	404	18.3	1.51	93	46.95	4.49	3.2
1275	BCG 24R	0.73	0.59	1.31	.	.	.	.	.	.	.
1169	FIBERMAX 958	0.54	0.56	1.09	.	.	.	.	.	.	.
1214	PM 2167 RR	0.80	0.45	1.25	404	23.0	1.62	89	50.15	4.80	3.1
1215	PM 2266 RR	0.75	0.55	1.29	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	0.81	0.65	1.45	.	.	.	.	.	.	.
1268	FM 5044RR	0.71	0.56	1.26	.	.	.	.	.	.	.
1266	STV NG 2448R	0.78	0.54	1.32	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.67	0.49	1.16	417	18.0	1.51	94	45.31	4.20	3.1
1274	AFD 3511RR	0.72	0.61	1.33	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.82	0.65	1.47
1276	ALL-TEX EXCESS RR	0.83	0.58	1.40
.	LSD	0.07	0.07	0.10	20.2	6.2	0.12	6	3.89	0.46	0.2

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2006 National Cotton Variety Test

**Crop Genetics & Production Research Unit
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**National Cotton Variety Tests, 2006
Yield, Boll, Seed, Spinning and Data**

2006 WESTERN REGIONAL COTTON VARIETY TEST

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 (%)
1214	PM 2167 RR	1495	4.45	37.9	9.4	119	1.04	0.52	183	7.3
1255	FM 960B2R	1469	4.60	40.4	9.4	125	1.12	0.51	191	5.9
1277	FM 989RR	1436	4.10	40.4	9.7	125	1.10	0.50	192	6.3
1224	DP 555 R/R	1360	3.75	42.0	6.8	112	1.06	0.47	177	6.4
1196	STV 4892 BR	1326	4.30	40.1	9.5	116	1.08	0.51	180	7.5
1278	NM 03K1028	1257	4.45	37.2	9.0	136	1.15	0.54	199	7.5

1166	PHYTOGEN 72	1254	4.30	38.8	9.5	135	1.14	0.53	225	8.3
1280	NM 03S1065	1227	3.90	37.5	9.7	144	1.18	0.55	221	6.9
1128	ACALA 1517-99	1182	4.60	34.7	10.3	145	1.19	0.54	222	7.0
1279	NM 03K1155	986	3.85	36.3	8.8	146	1.22	0.55	200	6.3

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 (%)
1214	PM 2167 RR	5.10	1.00	80.8	26.5	8.4	79.0	8.2	5.20	2541	23.81	3.07
1255	FM 960B2R	4.45	1.10	79.4	29.0	7.3	80.5	7.4	4.55	1921	23.35	2.78
1277	FM 989RR	4.55	1.10	80.2	27.5	7.9	80.0	7.7	4.70	2014	23.83	2.87
1224	DP 555 R/R	4.45	1.05	79.1	26.0	7.4	80.5	7.2	4.55	1889	20.01	2.94
1196	STV 4892 BR	4.95	1.05	81.6	26.5	8.1	78.0	8.3	5.15	2127	21.51	2.92
1278	NM 03K1028	4.40	1.10	81.4	28.5	8.3	78.0	7.1	4.40	2333	23.99	2.62
1166	PHYTOGEN 72	4.70	1.10	80.5	30.0	8.7	75.5	8.9	4.75	2294	24.17	3.11
1280	NM 03S1065	4.35	1.15	82.2	30.0	8.0	78.0	7.7	4.45	2021	25.29	2.84
1128	ACALA 1517-99	4.25	1.20	81.5	30.0	7.9	77.5	7.9	4.35	2087	23.14	3.15
1279	NM 03K1155	3.70	1.20	80.8	29.0	7.7	78.0	7.5	3.80	1642	22.55	2.87

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1214	PM 2167 RR	1.17	0.71	1.88	396	19.8	1.55	92	49.01	4.78	3.2
1255	FM 960B2R	1.12	0.82	1.93	436	23.3	1.62	89	46.62	4.13	2.9
1277	FM 989RR	1.00	0.84	1.84	.	.	.	.	.	.	.
1224	DP 555 R/R	1.07	0.78	1.84	436	23.5	1.63	88	46.87	4.16	2.8
1196	STV 4892 BR	1.30	1.04	2.34	410	26.0	1.68	86	51.44	4.85	3.0
1278	NM 03K1028	1.20	0.87	2.07	.	.	.	.	.	.	.
1166	PHYTOGEN 72	1.06	0.78	1.84	425	19.0	1.53	92	45.19	4.12	3.0
1280	NM 03S1065	1.12	0.79	1.91	.	.	.	.	.	.	.
1128	ACALA 1517-99	1.10	0.77	1.87	.	.	.	.	.	.	.
1279	NM 03K1155	1.10	0.73	1.82	.	.	.	.	.	.	.

BOLL SIZE, GRAM PER BOLL	
ACALA 1517-99	4.60
FM 960B2R	4.60
PM 2167 RR	4.45
NM 03K1028	4.45
PHYTOGEN 72	4.30
STV 4892 BR	4.30
FM 989RR	4.10
NM 03S1065	3.90
NM 03K1155	3.85
DP 555 R/R	3.75

LINT PERCENT	
DP 555 R/R	42.0
FM 960B2R	40.4
FM 989RR	40.4
STV 4892 BR	40.1
PHYTOGEN 72	38.8
PM 2167 RR	37.9
NM 03S1065	37.5
NM 03K1028	37.2
NM 03K1155	36.3
ACALA 1517-99	34.7

SEED INDEX	
ACALA 1517-99	10.3
FM 989RR	9.7
NM 03S1065	9.7
PHYTOGEN 72	9.5
STV 4892 BR	9.5
PM 2167 RR	9.4
FM 960B2R	9.4
NM 03K1028	9.0
NM 03K1155	8.8
DP 555 R/R	6.8

2.5% S.L. (INCHES)	
ACALA 1517-99	1.20
NM 03K1155	1.20
NM 03S1065	1.15
FM 989RR	1.10
PHYTOGEN 72	1.10
FM 960B2R	1.10
NM 03K1028	1.10
STV 4892 BR	1.05
DP 555 R/R	1.05
PM 2167 RR	1.00

UR (PERCENT)	
NM 03S1065	82.2
STV 4892 BR	81.6
ACALA 1517-99	81.5
NM 03K1028	81.4
NM 03K1155	80.8
PM 2167 RR	80.8
PHYTOGEN 72	80.5
FM 989RR	80.2
FM 960B2R	79.4
DP 555 R/R	79.1

STRENGTH (G/TEX)	
NM 03S1065	30.0
ACALA 1517-99	30.0
PHYTOGEN 72	30.0
NM 03K1155	29.0
FM 960B2R	29.0
NM 03K1028	28.5
FM 989RR	27.5
STV 4892 BR	26.5
PM 2167 RR	26.5
DP 555 R/R	26.0

E	
PHYTOGEN 72	8.7
PM 2167 RR	8.4
NM 03K1028	8.3
STV 4892 BR	8.1
NM 03S1065	8.0
ACALA 1517-99	7.9
FM 989RR	7.9

MICRONAIRE (SL-HVI)	
PM 2167 RR	5.20
STV 4892 BR	5.15
PHYTOGEN 72	4.75
FM 989RR	4.70
DP 555 R/R	4.55
FM 960B2R	4.55
NM 03S1065	4.45

COLORIMETER - Rd	
TAMCOT 22	71.7
FM 960B2R	71.5
DP 555 R/R	70.8
DPL 491	70.3
FM 832LL	69.2
ST 5599BR	68.8
PM 2167 RR	68.7

NM 03K1155	7.7
DP 555 R/R	7.4
FM 960B2R	7.3

NM 03K1028	4.40
ACALA 1517-99	4.35
NM 03K1155	3.80

PHYTOGEN 72	68.5
STV 4892 BR	68.2
GA 200009	.
LSD	2.6

 COLORIMETER - b

PHYTOGEN 72	8.9
STV 4892 BR	8.3
PM 2167 RR	8.2
ACALA 1517-99	7.9
NM 03S1065	7.7
FM 989RR	7.7
NM 03K1155	7.5
FM 960B2R	7.4
DP 555 R/R	7.2
NM 03K1028	7.1

 MICRONAIRE

PM 2167 RR	5.03
STV 4892 BR	4.93
ST 5599BR	4.88
PHY 310R	4.85
DP 555 R/R	4.85
DP 393	4.73
FM 960B2R	4.68
PHYTOGEN 72	4.63
DPL 445BR	4.55
DP 444BG/RR	4.53
LSD	0.43

 STELOMETER - E1

DPL 445BR	8.1
DP 393	7.8
PHYTOGEN 72	7.0
STV 4892 BR	6.8
PHY 310R	6.5
DP 444BG/RR	6.0
PM 2167 RR	5.8
DP 555 R/R	5.4
ST 5599BR	5.3
FM 960B2R	4.7
LSD	1.4

 STELOMETER - T1

PHYTOGEN 72	225
ACALA 1517-99	222
NM 03S1065	221
NM 03K1155	200
NM 03K1028	199
FM 989RR	192
FM 960B2R	191
PM 2167 RR	183
STV 4892 BR	180
DP 555 R/R	177

 FIBROGRAPH--50% S.L.

NM 03S1065	0.55
NM 03K1155	0.55
ACALA 1517-99	0.54
NM 03K1028	0.54
PHYTOGEN 72	0.53
PM 2167 RR	0.52
FM 960B2R	0.51
STV 4892 BR	0.51
FM 989RR	0.50
DP 555 R/R	0.47

 FIBROGRAPH--2.5% S.L.

NM 03K1155	1.22
ACALA 1517-99	1.19
NM 03S1065	1.18
NM 03K1028	1.15
PHYTOGEN 72	1.14
FM 960B2R	1.12
FM 989RR	1.10
STV 4892 BR	1.08
DP 555 R/R	1.06
PM 2167 RR	1.04

 YARN TENACITY

NM 03K1155	146
ACALA 1517-99	145

 AREALOMETER - A (mm2/mm3)

DP 555 R/R	436
FM 960B2R	436

 AREALOMETER - D (mm2/mm3)

STV 4892 BR	26.0
DP 555 R/R	23.5

NM 03S1065	144
NM 03K1028	136
PHYTOGEN 72	135
FM 960B2R	125
FM 989RR	125
PM 2167 RR	119
STV 4892 BR	116
DP 555 R/R	112

PHYTOGEN 72	425
STV 4892 BR	410
PM 2167 RR	396
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

FM 960B2R	23.3
PM 2167 RR	19.8
PHYTOGEN 72	19.0
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

AREALOMETER - I

STV 4892 BR	1.68
DP 555 R/R	1.63
FM 960B2R	1.62
PM 2167 RR	1.55
PHYTOGEN 72	1.53
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

AREALOMETER - M (PERCENT)

PHYTOGEN 72	92
PM 2167 RR	92
FM 960B2R	89
DP 555 R/R	88
STV 4892 BR	86
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

AREALOMETER - p (Microns)

STV 4892 BR	51.44
PM 2167 RR	49.01
DP 555 R/R	46.87
FM 960B2R	46.62
PHYTOGEN 72	45.19
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

AREALOMETER - w (MG/INCH)

STV 4892 BR	4.85
PM 2167 RR	4.78
DP 555 R/R	4.16
FM 960B2R	4.13
PHYTOGEN 72	4.12
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

AREALOMETER - t (MICRONS)

PM 2167 RR	3.2
STV 4892 BR	3.0
PHYTOGEN 72	3.0
FM 960B2R	2.9
DP 555 R/R	2.8
NM 03K1155	.
ACALA 1517-99	.
NM 03S1065	.
NM 03K1028	.
FM 989RR	.

SEED YIELD (LB/ACRE)

PM 2167 RR	2541
NM 03K1028	2333
PHYTOGEN 72	2294
STV 4892 BR	2127
ACALA 1517-99	2087
NM 03S1065	2021
FM 989RR	2014
FM 960B2R	1921
DP 555 R/R	1889
NM 03K1155	1642

OIL (PERCENT)		NITROGEN (PERCENT)		PLUS GOSSYPOL	
NM 03S1065	25.29	ACALA 1517-99	3.15	STV 4892 BR	1.30
PHYTOGEN 72	24.17	PHYTOGEN 72	3.11	NM 03K1028	1.20
NM 03K1028	23.99	PM 2167 RR	3.07	PM 2167 RR	1.17
FM 989RR	23.83	DP 555 R/R	2.94	NM 03S1065	1.12
PM 2167 RR	23.81	STV 4892 BR	2.92	FM 960B2R	1.12
FM 960B2R	23.35	FM 989RR	2.87	ACALA 1517-99	1.10
ACALA 1517-99	23.14	NM 03K1155	2.87	NM 03K1155	1.10
NM 03K1155	22.55	NM 03S1065	2.84	DP 555 R/R	1.07
STV 4892 BR	21.51	FM 960B2R	2.78	PHYTOGEN 72	1.06
DP 555 R/R	20.01	NM 03K1028	2.62	FM 989RR	1.00

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
STV 4892 BR	1.04	STV 4892 BR	2.34
NM 03K1028	0.87	NM 03K1028	2.07
FM 989RR	0.84	FM 960B2R	1.93
FM 960B2R	0.82	NM 03S1065	1.91
NM 03S1065	0.79	PM 2167 RR	1.88
PHYTOGEN 72	0.78	ACALA 1517-99	1.87
DP 555 R/R	0.78	DP 555 R/R	1.84
ACALA 1517-99	0.77	FM 989RR	1.84
NM 03K1155	0.73	PHYTOGEN 72	1.84
PM 2167 RR	0.71	NM 03K1155	1.82

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)	(%)
PECOS, TX (IRR)	1299	4.23	38.5	9.2	130	1.13	0.52	199	6.9

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

LOCATION	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 (%)	NITR OGEN (%)
PECOS, TX (IRR)	4.49	1.11	80.7	28.3	8.0	78.5	7.8	4.59	2087	23.16	2.91

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
PECOS, TX (IRR)	1.12	0.81	1.93	420	22.3	1.60	89	47.82	4.41	3.0

LOCATION=PECOS, 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 (%)
1214	PM 2167 RR	1495	4.45	37.9	9.4	119	1.04	0.52	183	7.3
1255	FM 960B2R	1469	4.60	40.4	9.4	125	1.12	0.51	191	5.9
1277	FM 989RR	1436	4.10	40.4	9.7	125	1.10	0.50	192	6.3
1224	DP 555 R/R	1360	3.75	42.0	6.8	112	1.06	0.47	177	6.4
1196	STV 4892 BR	1326	4.30	40.1	9.5	116	1.08	0.51	180	7.5
1278	NM 03K1028	1257	4.45	37.2	9.0	136	1.15	0.54	199	7.5
1166	PHYTOGEN 72	1254	4.30	38.8	9.5	135	1.14	0.53	225	8.3
1280	NM 03S1065	1227	3.90	37.5	9.7	144	1.18	0.55	221	6.9
1128	ACALA 1517-99	1182	4.60	34.7	10.3	145	1.19	0.54	222	7.0
1279	NM 03K1155	986	3.85	36.3	8.8	146	1.22	0.55	200	6.3
.	LSD	267	0.54	1.5	0.8	13	0.04	0.02	15	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 (%)	NITR OGEN (%)
1214	PM 2167 RR	5.10	1.00	80.8	26.5	8.4	79.0	8.2	5.20	2541	23.81	3.07
1255	FM 960B2R	4.45	1.10	79.4	29.0	7.3	80.5	7.4	4.55	1921	23.35	2.78
1277	FM 989RR	4.55	1.10	80.2	27.5	7.9	80.0	7.7	4.70	2014	23.83	2.87

1224	DP 555 R/R	4.45	1.05	79.1	26.0	7.4	80.5	7.2	4.55	1889	20.01	2.94
1196	STV 4892 BR	4.95	1.05	81.6	26.5	8.1	78.0	8.3	5.15	2127	21.51	2.92
1278	NM 03K1028	4.40	1.10	81.4	28.5	8.3	78.0	7.1	4.40	2333	23.99	2.62
1166	PHYTOGEN 72	4.70	1.10	80.5	30.0	8.7	75.5	8.9	4.75	2294	24.17	3.11
1280	NM 03S1065	4.35	1.15	82.2	30.0	8.0	78.0	7.7	4.45	2021	25.29	2.84
1128	ACALA 1517-99	4.25	1.20	81.5	30.0	7.9	77.5	7.9	4.35	2087	23.14	3.15
1279	NM 03K1155	3.70	1.20	80.8	29.0	7.7	78.0	7.5	3.80	1642	22.55	2.87
.	LSD	0.28	0.08	0.9	2.0	0.3	2.3	0.3	0.16	624	1.58	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)	
1214	PM 2167 RR	1.17	0.71	1.88	396	19.8	1.55	92	49.01	4.78	3.2	
1255	FM 960B2R	1.12	0.82	1.93	436	23.3	1.62	89	46.62	4.13	2.9	
1277	FM 989RR	1.00	0.84	1.84	.	.	.	.	.	.	.
1224	DP 555 R/R	1.07	0.78	1.84	436	23.5	1.63	88	46.87	4.16	2.8	
1196	STV 4892 BR	1.30	1.04	2.34	410	26.0	1.68	86	51.44	4.85	3.0	
1278	NM 03K1028	1.20	0.87	2.07	.	.	.	.	.	.	.
1166	PHYTOGEN 72	1.06	0.78	1.84	425	19.0	1.53	92	45.19	4.12	3.0	
1280	NM 03S1065	1.12	0.79	1.91	.	.	.	.	.	.	.
1128	ACALA 1517-99	1.10	0.77	1.87	.	.	.	.	.	.	.
1279	NM 03K1155	1.10	0.73	1.82	.	.	.	.	.	.	.
.	LSD	0.09	0.09	0.19	29.8	12.6	0.26	11	7.39	0.74	0.3	

[RETURN TO 2006 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

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