



# 2011 National Cotton Variety Test

Crop Genetics 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, 2011  
Yield, Boll, Seed, Spinning and Data**

**Compiled by:**



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

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

National Cotton Variety Tests, 2011.

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

Issued August, 2012.

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**United States Department of Agriculture**  
**Agricultural Research Service**  
**Crop Genetics Research Unit**

P.O. Box 345  
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#### TEST LOCATIONS

AUBURN, AL  
BEEVILLE, TX  
BELLE MINA, AL  
COLLEGE STATION, TX  
DALLAS, TX  
FLORENCE, SC  
GRIFFIN, GA  
KEISER, AR  
LAS CRUCES, NM  
LEMOORE, CA  
LUBBOCK, TX (IRR)  
MARICOPA, AZ  
PECOS, TX (IRR)  
PORTAGEVILLE, MO  
SAINT JOSEPH, LA  
STARKVILLE, MS  
STONEVILLE, MS  
UNIVERSITY PARK, NM  
WESLACO, TX



#### **Acknowledgments**

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

Alabama	--	K. Glass
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Georgia	--	L. Day
Louisiana	--	W. D. Caldwell
Mississippi	--	W. R. Meredith, Jr. (USDA-ARS), T. Wallace
New Mexico	--	J. Zhang (USDA-ARS)
North Carolina	--	A. Herbert
Oklahoma	--	M. Bayles
South Carolina	--	T. Campbell (USDA-ARS)
Texas	--	J. Dever, and C. W. Smith

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

**DP 0912B2RF**

-- DELTA AND PINE LAND COMPANY;

**FM 9058F**

-- FIBERMAX SEED COMPANY; AND

**PHY 375WRF AND**

**PHY 725WRF**

-- PHYTOGEN SEED COMPANY



## Joint Cotton Breeding Policy Committee

(As of January 2002)

R. L. Rogers, (Chairman) Louisiana Agricultural Experiment Station, Baton Rouge, LA  
A. G. Jordan, (Secretary) National Cotton Council of America, Memphis, TN  
B. Lalor, Cotton Incorporated, Raleigh, NC  
J. W. Smith, Mississippi Agricultural & Forestry Experiment Station, Stoneville, MS  
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## National Cotton Variety Testing Committee

(As of January 2011)

F. M. Bourland, (Chairman) University of Arkansas, Fayetteville, AR  
J. Zhang, New Mexico Agricultural Experiment Station, Las Cruces, NM  
J. Dever, Texas Agricultural Experiment Station, Lubbock, TX  
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C. W. Smith, Texas Agricultural Experiment Station, College Station, TX



## National Cotton Variety Test Archive File

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

Cottonseed Quality Archive File	1977 - 2011
Yield Archive File	1960 - 2011
Fiber Quality Archive File	1960 - 2011
Pima Combed Yarn Archive File	1962 - 2011

### 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 fifteenth 3-year testing cycle, beginning in 2002, the national standards were Acala 1517-99, All Tex Atlas, DP 458 B/R, and Stoneville 4892 B/R. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards. Data on the national, regional, and interregional standards were included in this report. All varieties were grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U. S. Department of Agriculture or the cooperating State Agricultural Experiment Stations.

Plot size, cultural practices, number of entries, and sampling methods were left to the discretion of the participating stations. While these details were not rigidly standardized, all tests were conducted by experienced personnel using sound experimental designs and procedures.

Yield, boll size, lint percentage, and seed index were supplied by the cooperating stations. Fiber, yarn, and HVI tests were made by Starlab, Inc., Knoxville, TN, and combed yarn tests were made by USDA-AMS Cotton Testing Section at Clemson, SC. Chemical analyses of seed were done by Woodsen-Tenent Laboratories, Inc., Memphis, TN. All data were compiled, analyzed, tabulated, and duplicated by the staff of the office of the Program Analyst for the National Cotton Variety Test.

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

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





## REGIONAL TESTS & PARTICIPATING STATIONS

### Eastern Regional Cotton Variety Test (Upland Varieties)

Alabama Agricultural Experiment Station	
Main Station	Auburn, AL
Tennessee Valley Substation	Belle Mina, AL
Georgia Agricultural Experiment Station	
Georgia Coastal Experiment Station	Tifton, GA
Clemson University	
Pee Dee Experiment Station	Florence, SC

### Delta Regional Cotton Variety Test (Upland Varieties)

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

### Central Regional Cotton Variety Test (Upland Varieties)

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

### Blackland Regional Cotton Variety Test (Upland Varieties)

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

### Plains Regional Cotton Variety Test (Upland Varieties)

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

**Western Regional Cotton Variety Test (Upland Varieties)**

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

**High Quality Regional Cotton Variety Test**

Alabama Agricultural Experiment Station	
Tennessee Valley Substation	Belle Mina, AL
Arkansas Agricultural Experiment Station	
Delta Substation	Keiser, AR
	Portageville, MO
Clemson University	
Pee Dee Experiment Station	Florence, SC
Georgia Agricultural Experiment Station	
Louisiana Agricultural Experiment Station	
Red River Valley Experiment Station	Bossier City, LA
Mississippi Agricultural and Forestry Experiment Station	
Delta Branch	Stoneville, MS
Texas A&M University	
Texas Agricultural Experiment Station	College Station, TX
Safford, AZ	
Agricultural Research and Extension Center	Lubbock, TX

**Pima Regional Cotton Variety Test**

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

**Combed-Yarn Test (American Pima Varieties)\*\***

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

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



## Explanations and Definitions

No interpretation of the test results other than the indication of the significant difference among means based on an analysis of variance is presented. The variety x location interaction mean square was used as the Error term in F tests and Duncan's Multiple Range tests in the combined-over-locations ANOVA for each region and subregion. Means followed by the same letter or letters cannot be considered significantly different at the 0.05 level of probability, as determined by Duncan's Multiple Range Test. Statistical analyses and Duncan's Multiple Range test were performed using SAS. A randomized complete block design was used for all analyses, although some tests were planted in lattice designs.

The yield reported for each variety is the average derived from the number of replications used. From three to eight replications were planted, depending on the station, with four replications being more commonly used. Boll size, lint percentage, and seed, fiber, and yarn data were based on two replications of each variety at all locations.

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

The column headings and symbols are defined as follows:

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

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

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

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

by substituting D in the formula:

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

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

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

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

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

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

(t) Wall thickness in microns calculated from:

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

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

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

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

Free gossypol. The gossypol in fuzzy seeds as determined by the HPLC Method described in

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

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

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

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

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

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

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

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

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

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

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

2.5 S.L. See Digital Fibrograph for definition

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

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

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

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

#### Colorimeter

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

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

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

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

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

Yarn tenacity. In the Regional test the standard skein strength of the yarn in millinewtons per tex (mN/tex) is estimated from miniature skeins. The data is adjusted to standard skein basis and corrected to 27 tex. The Pima Combed strength of 11.8 and 7.4 tex yarns in millinewtons per tex (mN/tex) is determined on standard skeins.

## Reporting Variations

San Joaquin Region Test Results:

No tests were conducted in the San Joaquin Region for 2011.

### Cotton varieties tested in the 2011 National Cotton Variety Tests:

VARIETY TESTED	IN REGION
AM 1511B2RF	EASTERN
AMERICOT 1550B2RF	BLACKLANDS, CENTRAL, DELTA, EASTERN
ARK 0219-15	RHQ
ARS 0222-12	RHQ
AT Epic RF	BLACKLANDS, CENTRAL, PLAINS
COBALT	PIMA
DG 2570B2RF	EASTERN
DP 0912B2RF	NATIONAL STANDARD; NOT INCLUDED IN PIMA OR RHQ
DP 0949B2RF	DELTA
DP 1032B2RF	RHQ
DP 1034B2RF	RHQ
DP 1044B2RF	BLACKLANDS, CENTRAL, PLAINS
DP 1048B2RF	EASTERN
DP 1050B2RF	EASTERN
DP 1133B2RF	EASTERN
DP 1137B2RF	EASTERN
DP 161B2RF	WESTERN
DP 340	PIMA
DP 357	PIMA
Dyna-Gro 2570B2RF	RHQ
FM 1740B2F	BLACKLANDS, CENTRAL, DELTA, EASTERN
FM 1845LLB2	RHQ
FM 9058F	NATIONAL STANDARD; NOT INCLUDED IN PIMA
FM 9170B2F	RHQ, WESTERN
FM 9180B2F	PLAINS
LA35RS	RHQ

MD25-26ne	RHQ
MD25-27y	RHQ
MD25-42y	RHQ
MD25-87y	RHQ
NG 3348B2F	PLAINS
PHX 4912WRF	RHQ
PHY 367WRF	EASTERN
PHY 375WRF	NATIONAL STANDARD; NOT INCLUDED IN PIMA
PHY 499WRF	CENTRAL, DELTA, EASTERN, RHQ
PHY 565WRF	EASTERN, RHQ
PHY 755WRF	WESTERN
PHY 800	PIMA
PHY 802	PIMA
PHY 805	PIMA
PHY 830	PIMA
Phytogen 725RF	NATIONAL STANDARD; NOT INCLUDED IN PIMA OR RHQ
ST 4145LLB2	RHQ
ST 4288B2RF	EASTERN, RHQ
ST 5288B2RF	EASTERN
ST 5458B2RF	DELTA, EASTERN, PLAINS
TAM 04WB-33s	RHQ
TAMCOT 73	RHQ
UA 48	DELTA, RHQ



## 2011 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER  
DR. J. CREECH

At the request of Dr. Creech, please access the 2011 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

[2011 REGIONAL SHORT SEASON TEST](#)

## 2011 BUDWORM/BOLLWORM TEST RESULTS



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

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*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](mailto:ellen.keene@ars.usda.gov)

**United States Department of Agriculture**

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**[Jamie Whitten Delta States Research Center](#)**

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either the Jamie Whitten Delta States Research Center or the  
Crop Genetics Research Unit sites**

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National Cotton Variety Tests, 2011  
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## 2011 EASTERN REGIONAL COTTON VARIETY TEST

----- EASTERN REGION -----

VARIETY CODE	VARIETY	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 (%)
1404	PHY 499WRF	1402	9.18	43.1	9.3	53	1.16	0.55	222	7.7
1428	AM 1511B2RF	1377	8.67	42.9	10.2	51	1.13	0.53	216	7.6
1429	DP 1137B2RF	1357	9.00	42.9	9.3	48	1.15	0.55	205	7.7
1326	PHY 375WRF	1350	9.63	41.4	10.0	54	1.15	0.54	209	7.3
1412	DP 0912B2RF	1308	9.09	40.1	9.8	53	1.12	0.52	213	7.3
1396	DP 1048B2RF	1282	8.80	42.5	9.2	48	1.18	0.54	206	7.9
1376	ST 5458B2RF	1233	9.10	39.6	10.1	55	1.18	0.52	214	7.8
1397	DP 1050B2RF	1231	8.65	42.8	9.2	49	1.17	0.54	196	7.6

1430	DP 1133B2RF	1220	8.51	43.0	9.1	51	1.16	0.56	222	7.9
1390	PHY 367WRF	1213	7.95	40.2	9.5	53	1.18	0.54	213	7.7
1365	FM 1740B2RF	1212	8.63	40.4	9.7	54	1.15	0.54	220	7.7
1387	ST 4288B2RF	1203	8.60	37.7	10.8	52	1.12	0.53	214	7.7
1392	DG 2570B2RF	1181	8.82	40.1	10.4	52	1.14	0.53	214	7.7
1345	AMERICOT 1550B2RF	1179	8.35	40.0	10.4	52	1.14	0.54	207	7.5
1391	ST 5288B2RF	1168	8.37	39.8	8.9	50	1.15	0.53	204	7.6
1389	PHY 565WRF	1137	8.33	39.9	9.3	54	1.18	0.54	225	7.7
1344	FM 9058F	1110	7.98	39.5	10.5	60	1.21	0.53	213	6.9
1426	Phytogen 725RF	970	8.01	37.3	10.2	58	1.21	0.57	258	7.7
.	LSD	145	1.49	0.9	0.6	3	0.04	0.02	11	0.5

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

VARIETY CODE	VARIETY	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1404	PHY 499WRF	2.31	1.16	84.5	32.7	7.4	70.8	7.8	4.60	1923	19.02	3.67
1428	AM 1511B2RF	2.32	1.16	84.0	30.8	7.4	71.1	7.7	4.75	1909	19.32	3.75
1429	DP 1137B2RF	2.28	1.16	84.4	29.3	7.2	73.7	8.1	4.57	1836	15.88	4.07
1326	PHY 375WRF	2.09	1.15	83.9	29.9	6.4	71.2	7.4	4.14	2062	19.51	3.82
1412	DP 0912B2RF	2.28	1.13	83.6	30.0	6.7	70.9	7.7	4.64	2095	18.67	3.43
1396	DP 1048B2RF	2.18	1.19	84.8	29.0	7.2	71.9	8.0	4.37	1791	15.79	4.15
1376	ST 5458B2RF	2.29	1.18	84.2	32.3	6.6	70.6	8.1	4.58	2017	20.53	3.61
1397	DP 1050B2RF	2.21	1.19	84.3	28.7	7.0	72.4	8.0	4.40	1663	15.81	4.24
1430	DP 1133B2RF	2.29	1.16	85.0	32.1	7.3	71.5	7.8	4.57	1701	14.89	4.17
1390	PHY 367WRF	2.07	1.17	84.1	30.4	6.8	70.9	7.9	4.06	1938	19.28	3.70
1365	FM 1740B2RF	2.11	1.17	84.4	30.7	6.4	72.6	7.2	4.18	1917	19.70	3.65
1387	ST 4288B2RF	2.21	1.20	84.3	29.8	6.5	71.5	7.9	4.43	2125	20.10	3.51
1392	DG 2570B2RF	2.09	1.14	83.8	30.6	7.2	71.8	8.3	4.17	1836	17.55	3.72
1345	AMERICOT 1550B2RF	2.13	1.15	83.6	28.2	6.5	72.3	8.0	4.25	1858	19.41	3.80
1391	ST 5288B2RF	2.27	1.16	83.4	29.2	6.6	72.4	7.1	4.57	1863	20.34	3.60
1389	PHY 565WRF	2.12	1.19	84.5	32.3	7.2	70.7	7.8	4.22	1811	18.41	3.60
1344	FM 9058F	2.05	1.22	84.2	30.8	5.8	72.8	7.4	4.07	1859	20.06	3.57
1426	Phytogen 725RF	2.08	1.21	84.5	35.3	6.9	70.8	8.0	4.17	1787	20.28	3.75
.	LSD	0.11	0.03	0.7	1.3	0.3	1.7	0.4	0.23	246	0.95	0.18

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.64	0.39	1.03	.	.	.	.	.	.	.
1428	AM 1511B2RF	0.71	0.50	1.21	.	.	.	.	.	.	.
1429	DP 1137B2RF	0.62	0.39	1.01	.	.	.	.	.	.	.

1326	PHY 375WRF	0.62	0.44	1.06	464	28.8	1.73	84	46.78	3.91	2.6
1412	DP 0912B2RF	0.62	0.41	1.03	429	22.6	1.60	89	46.88	4.25	2.9
1396	DP 1048B2RF	0.64	0.40	1.04	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.69	0.42	1.11	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.64	0.41	1.05	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.57	0.37	0.94	.	.	.	.	.	.	.
1390	PHY 367WRF	0.62	0.42	1.04	.	.	.	.	.	.	.
1365	FM 1740B2RF	0.52	0.38	0.90	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.76	0.43	1.18	.	.	.	.	.	.	.
1392	DG 2570B2RF	0.65	0.41	1.05	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.70	0.45	1.15	.	.	.	.	.	.	.
1391	ST 5288B2RF	0.69	0.46	1.15	.	.	.	.	.	.	.
1389	PHY 565WRF	0.64	0.42	1.06	.	.	.	.	.	.	.
1344	FM 9058F	0.42	0.38	0.80	464	24.2	1.64	88	44.29	3.71	2.7
1426	Phytogen 725RF	0.51	0.35	0.86	468	25.2	1.66	87	44.55	3.70	2.7
.	LSD	0.05	0.03	0.08	23.2	5.7	0.12	5	2.04	0.23	0.2

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE				TENACITY	2.5% S.L.	50% S.L.	T1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
GRIFFIN, GA	1577	19.9	43.6	.	52	1.16	0.54	214	7.0
AUBURN, AL	1255	4.58	39.3	9.8	53	1.15	0.50	200	7.6
BELLE MINA, AL	1249	4.75	41.4	9.7	54	1.20	0.56	224	8.0
STARKVILLE, MS	1186	5.39	38.6	.	55	1.21	0.58	225	7.6
FLORENCE, SC	880	.	.	.	49	1.08	0.49	211	7.8

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

LOCATION	MICRO-	2.5%	UNIFO-	STRE-	SEED	COLORIMETER		MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	MITY	NGTH		HUNTER'S	NAIRE	YIELD	OGEN		
	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
GRIFFIN, GA	2.25	1.16	84.2	30.6	6.9	67.9	7.4	4.57	2029	18.95	3.69
AUBURN, AL	1.87	1.17	83.6	29.6	6.5	74.0	9.0	3.67	1935	17.27	3.70
BELLE MINA, AL	2.14	1.21	85.1	31.4	7.4	78.3	8.0	4.27	1774	19.81	3.25
STARKVILLE, MS	2.27	1.22	85.8	31.6	7.1	76.8	7.2	4.47	1816	19.49	3.91
FLORENCE, SC	2.40	1.10	82.2	30.1	6.3	61.4	7.3	4.89	.	17.40	4.28

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
GRIFFIN, GA	0.65	0.45	1.10	433	20.9	1.57	91	45.23	4.04	2.9
AUBURN, AL	0.54	0.33	0.87	512	35.1	1.86	80	45.66	3.46	2.3
BELLE MINA, AL	0.78	0.53	1.32	465	25.4	1.67	87	45.09	3.77	2.7
STARKVILLE, MS	0.69	0.46	1.16	446	25.4	1.67	87	46.89	4.07	2.8
FLORENCE, SC	0.47	0.28	0.75	425	19.1	1.53	92	45.25	4.12	3.0

INDIVIDUAL LOCATIONS

AUBURN, AL

VARIETY CODE	VARIETY	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 (%)
1429	DP 1137B2RF	1505	4.90	41.3	9.5	48	1.14	0.52	188	7.5
1428	AM 1511B2RF	1499	4.77	42.0	10.4	51	1.13	0.51	208	7.8
1404	PHY 499WRF	1435	4.12	41.8	9.3	55	1.14	0.51	205	7.5
1326	PHY 375WRF	1421	4.59	41.2	9.8	56	1.15	0.50	191	7.3
1412	DP 0912B2RF	1380	4.37	37.4	10.1	56	1.12	0.49	192	7.0
1345	AMERICOT 1550B2RF	1352	4.63	39.4	10.8	53	1.13	0.49	200	8.0
1397	DP 1050B2RF	1320	4.63	41.8	9.2	50	1.14	0.50	180	8.0
1387	ST 4288B2RF	1312	5.66	36.0	11.2	56	1.17	0.50	200	8.0
1392	DG 2570B2RF	1241	5.12	38.5	10.2	54	1.12	0.48	210	8.3
1390	PHY 367WRF	1228	4.08	39.5	9.3	51	1.17	0.51	192	7.0
1376	ST 5458B2RF	1166	4.69	37.6	10.4	55	1.17	0.49	191	7.5
1396	DP 1048B2RF	1155	4.51	40.7	9.2	50	1.17	0.52	184	8.0
1430	DP 1133B2RF	1142	4.49	41.1	9.1	51	1.15	0.52	211	7.8
1365	FM 1740B2RF	1130	4.46	38.1	9.4	54	1.15	0.51	204	8.0
1389	PHY 565WRF	1110	3.70	38.3	9.4	54	1.16	0.52	217	7.0
1344	FM 9058F	1084	4.74	37.9	10.5	59	1.20	0.51	192	7.2
1426	Phytogen 725RF	1074	4.74	36.5	10.2	59	1.21	0.52	258	7.8
1391	ST 5288B2RF	1041	4.32	38.3	8.7	52	1.12	0.50	186	7.5
.	LSD	162	0.43	1.2	0.8	4	0.03	0.06	11	0.5

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY		MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR
CODE	VARIETY	NAIRE	S.L.	MITY	NGTH	E	Rd	HUNTER'S	NAIRE	YIELD	(%)	OGEN
		(Reading)	(in.)	(%)	(g/tex)	b (Reading)			(lb/ac)			
1429	DP 1137B2RF	2.00	1.15	83.6	28.0	7.2	74.5	9.0	4.00	2134	15.56	3.92
1428	AM 1511B2RF	2.20	1.15	84.0	30.5	7.2	73.0	8.6	4.45	2066	18.81	3.80
1404	PHY 499WRF	2.03	1.15	84.4	31.5	7.1	74.0	9.1	4.00	1989	17.45	3.73
1326	PHY 375WRF	1.85	1.15	83.3	28.0	6.0	74.0	8.3	3.60	2031	19.07	3.89
1412	DP 0912B2RF	1.93	1.10	82.4	29.0	6.3	72.5	9.4	3.90	2306	17.30	3.40
1345	AMERICOT 1550B2RF	1.80	1.15	83.3	28.0	6.1	74.5	8.7	3.50	2073	18.23	3.82
1397	DP 1050B2RF	1.95	1.20	82.3	26.5	6.4	74.0	9.2	3.80	1840	15.21	4.03
1387	ST 4288B2RF	1.95	1.20	84.1	30.0	6.4	75.0	9.1	3.80	2326	18.47	3.14
1392	DG 2570B2RF	1.83	1.10	82.6	30.5	7.0	74.5	9.5	3.55	1982	16.73	3.68
1390	PHY 367WRF	1.83	1.20	83.6	29.5	6.7	72.5	9.2	3.40	1880	18.52	3.55
1376	ST 5458B2RF	1.83	1.20	84.6	32.5	6.5	72.5	9.6	3.65	1935	17.92	3.72
1396	DP 1048B2RF	1.88	1.20	83.8	27.5	6.8	73.0	9.4	3.70	1686	14.93	4.08
1430	DP 1133B2RF	1.98	1.20	84.6	30.0	6.8	72.5	9.2	3.85	1637	13.67	3.86
1365	FM 1740B2RF	1.68	1.20	84.4	29.0	6.2	75.5	8.4	3.20	1836	17.31	3.37
1389	PHY 565WRF	1.75	1.20	83.2	31.5	7.1	74.0	9.2	3.50	1787	15.51	3.70
1344	FM 9058F	1.70	1.20	83.4	29.5	5.5	74.5	8.9	3.35	1778	18.91	3.48
1426	Phytogen 725RF	1.80	1.20	85.3	33.0	6.3	74.5	9.1	3.55	1866	18.88	3.90
1391	ST 5288B2RF	1.70	1.15	82.5	29.0	6.5	77.0	9.0	3.30	1675	18.40	3.65
.	LSD	0.20	0.09	1.6	2.5	0.6	2.0	0.8	0.58	225	1.09	0.21

---GOSSYPOL LEVELS---												
VARIETY		PLUS	MINUS	TOTAL	-----AREALOMETER DATA-----							
CODE	VARIETY	(+)	(-)	(%)	A		D	M		p	w	t
					---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)	
1429	DP 1137B2RF	0.55	0.33	0.88	.	.	.	.	.	.	.	.
1428	AM 1511B2RF	0.65	0.45	1.10	.	.	.	.	.	.	.	.
1404	PHY 499WRF	0.56	0.31	0.87	.	.	.	.	.	.	.	.
1326	PHY 375WRF	0.57	0.39	0.96	509	39.3	1.94	77	47.82	3.64	2.4	
1412	DP 0912B2RF	0.52	0.33	0.85	493	34.3	1.85	80	47.11	3.71	2.4	
1345	AMERICOT 1550B2RF	0.60	0.36	0.96	.	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.55	0.33	0.87	.	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.64	0.36	0.99	.	.	.	.	.	.	.	.
1392	DG 2570B2RF	0.60	0.35	0.94	.	.	.	.	.	.	.	.
1390	PHY 367WRF	0.56	0.35	0.91	.	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.57	0.32	0.88	.	.	.	.	.	.	.	.
1396	DP 1048B2RF	0.54	0.31	0.85	.	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.45	0.28	0.72	.	.	.	.	.	.	.	.
1365	FM 1740B2RF	0.40	0.28	0.68	.	.	.	.	.	.	.	.
1389	PHY 565WRF	0.54	0.31	0.84	.	.	.	.	.	.	.	.
1344	FM 9058F	0.38	0.32	0.70	527	37.5	1.91	78	45.35	3.33	2.3	

1426	Phytogen 725RF	0.44	0.28	0.72	518	29.3	1.75	84	42.38	3.17	2.4
1391	ST 5288B2RF	0.60	0.35	0.94	.	.	.	.	.	.	.
.	LSD	0.06	0.06	0.09	58.6	12.5	0.24	10	3.02	0.54	0.3

LOCATION=FLORENCE, SC

VARIETY CODE	VARIETY	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 (%)
1429	DP 1137B2RF	1084	.	.	.	48	1.07	0.50	206	8.0
1428	AM 1511B2RF	1078	.	.	.	50	1.08	0.50	217	8.0
1404	PHY 499WRF	1060	.	.	.	54	1.08	0.49	217	7.8
1396	DP 1048B2RF	1049	.	.	.	47	1.10	0.51	209	8.0
1430	DP 1133B2RF	965	.	.	.	51	1.09	0.51	215	8.0
1397	DP 1050B2RF	963	.	.	.	48	1.09	0.50	196	8.0
1412	DP 0912B2RF	938	.	.	.	46	1.05	0.50	215	8.5
1390	PHY 367WRF	909	.	.	.	49	1.09	0.49	201	7.5
1387	ST 4288B2RF	884	.	.	.	49	1.07	0.49	197	7.0
1391	ST 5288B2RF	840	.	.	.	47	1.07	0.49	197	7.3
1326	PHY 375WRF	834	.	.	.	48	1.06	0.50	207	8.0
1345	AMERICOT 1550B2RF	817	.	.	.	47	1.06	0.47	190	7.8
1376	ST 5458B2RF	816	.	.	.	46	1.10	0.48	205	7.8
1392	DG 2570B2RF	810	.	.	.	49	1.07	0.49	217	8.0
1389	PHY 565WRF	779	.	.	.	52	1.10	0.48	222	8.0
1365	FM 1740B2RF	700	.	.	.	48	1.05	0.49	211	7.0
1344	FM 9058F	684	.	.	.	52	1.13	0.50	218	6.8
1426	Phytogen 725RF	625	.	.	.	57	1.14	0.52	263	8.8
.	LSD	148	.	.	.	4	0.02	0.01	8	0.8

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY CODE	VARIETY	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)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1429	DP 1137B2RF	2.50	1.10	82.8	29.5	6.5	66.0	7.6	5.05	.	15.03	4.55
1428	AM 1511B2RF	2.40	1.10	82.2	30.5	6.7	60.0	7.5	4.90	.	17.56	4.37
1404	PHY 499WRF	2.48	1.10	82.4	34.0	7.4	61.5	7.6	5.00	.	17.73	4.00
1396	DP 1048B2RF	2.40	1.10	82.9	28.5	6.7	61.0	7.0	4.90	.	15.43	4.86
1430	DP 1133B2RF	2.55	1.10	83.8	31.5	6.8	62.0	7.2	5.15	.	14.08	4.77
1397	DP 1050B2RF	2.35	1.10	82.8	29.5	6.7	61.0	6.9	4.85	.	15.87	4.88
1412	DP 0912B2RF	2.48	1.05	81.7	30.0	6.3	61.0	7.4	5.05	.	17.48	4.03
1390	PHY 367WRF	2.35	1.10	81.4	29.5	6.5	62.5	7.3	4.80	.	18.21	4.21



1387	ST 4288B2RF	2.40	1.10	82.1	27.0	5.7	61.5	7.4	4.95	.	19.12	4.10
1391	ST 5288B2RF	2.55	1.10	81.1	28.5	6.3	59.5	6.7	5.25	.	18.72	4.02
1326	PHY 375WRF	2.33	1.05	82.5	29.0	5.9	60.5	7.3	4.70	.	17.75	4.31
1345	AMERICOT 1550B2RF	2.33	1.05	80.8	26.0	5.7	61.5	7.5	4.80	.	17.58	4.27
1376	ST 5458B2RF	2.60	1.10	81.9	30.5	6.4	62.0	7.7	5.40	.	19.99	3.97
1392	DG 2570B2RF	2.35	1.10	82.2	29.5	6.5	61.5	8.2	4.75	.	16.94	4.31
1389	PHY 565WRF	2.30	1.10	83.1	33.0	6.8	59.5	7.1	4.65	.	17.08	4.05
1365	FM 1740B2RF	2.40	1.10	82.2	30.5	5.8	62.5	6.9	4.85	.	18.07	4.16
1344	FM 9058F	2.20	1.15	81.7	30.0	5.3	61.5	7.1	4.50	.	18.67	3.91
1426	Phytogen 725RF	2.22	1.15	82.3	35.0	6.3	60.5	7.9	4.55	.	17.97	4.24
.	LSD	0.12	0.08	1.4	2.5	0.5	4.4	0.9	0.38	.	1.05	0.20

VARIETY CODE	VARIETY	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1429	DP 1137B2RF	0.54	0.31	0.84	.	.	.	.	.	.	.
1428	AM 1511B2RF	0.47	0.31	0.77	.	.	.	.	.	.	.
1404	PHY 499WRF	0.47	0.28	0.75	.	.	.	.	.	.	.
1396	DP 1048B2RF	0.54	0.30	0.84	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.42	0.26	0.68	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.56	0.32	0.88	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.40	0.26	0.65	408	18.8	1.53	93	46.91	4.46	3.1
1390	PHY 367WRF	0.42	0.27	0.69	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.63	0.31	0.94	.	.	.	.	.	.	.
1391	ST 5288B2RF	0.48	0.30	0.78	.	.	.	.	.	.	.
1326	PHY 375WRF	0.38	0.27	0.65	418	19.0	1.53	92	45.83	4.24	3.0
1345	AMERICOT 1550B2RF	0.52	0.30	0.82	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.51	0.29	0.80	.	.	.	.	.	.	.
1392	DG 2570B2RF	0.47	0.27	0.74	.	.	.	.	.	.	.
1389	PHY 565WRF	0.50	0.29	0.79	.	.	.	.	.	.	.
1365	FM 1740B2RF	0.41	0.29	0.70	.	.	.	.	.	.	.
1344	FM 9058F	0.30	0.26	0.56	435	20.0	1.55	91	44.75	3.97	2.9
1426	Phytogen 725RF	0.39	0.25	0.63	439	18.8	1.52	92	43.49	3.83	2.9
.	LSD	0.06	0.06	0.11	40.5	10.0	0.22	10	4.35	0.54	0.5

STARKVILLE, MS

VARIETY CODE	VARIETY	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 (%)

1365	FM 1740B2RF	1413	5.77	39.6	.	61	1.21	0.58	228	8.0
1404	PHY 499WRF	1370	5.38	41.2	.	52	1.22	0.59	228	8.0
1376	ST 5458B2RF	1363	5.75	37.2	.	58	1.23	0.56	235	8.0
1391	ST 5288B2RF	1291	5.79	37.9	.	52	1.21	0.55	221	8.0
1326	PHY 375WRF	1278	5.09	38.9	.	58	1.18	0.57	215	7.4
1428	AM 1511B2RF	1234	5.55	40.8	.	56	1.16	0.57	223	7.3
1387	ST 4288B2RF	1232	5.66	35.7	.	52	1.24	0.58	225	8.0
1390	PHY 367WRF	1232	4.56	37.9	.	55	1.22	0.59	232	8.0
1344	FM 9058F	1223	6.13	37.8	.	62	1.30	0.59	217	7.0
1396	DP 1048B2RF	1221	5.35	40.6	.	50	1.26	0.60	218	7.8
1430	DP 1133B2RF	1219	5.36	41.1	.	51	1.21	0.61	222	8.0
1429	DP 1137B2RF	1166	5.62	40.7	.	49	1.22	0.62	213	7.5
1412	DP 0912B2RF	1155	4.87	37.8	.	61	1.16	0.56	235	7.0
1392	DG 2570B2RF	1065	4.99	37.6	.	56	1.17	0.55	213	7.3
1389	PHY 565WRF	1041	4.89	37.8	.	53	1.22	0.58	230	8.0
1397	DP 1050B2RF	1009	5.59	40.4	.	49	1.24	0.59	203	7.0
1345	AMERICOT 1550B2RF	1006	5.05	36.8	.	59	1.17	0.60	230	7.0
1426	Phytogen 725RF	838	5.72	34.6	.	56	1.26	0.62	271	7.3
.	LSD	170	0.52	1.3	.	3	0.02	0.05	11	0.4

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

VARIETY	MICRO-NAIRE	2.5% S.L.	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)		
CODE	VARIETY	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1365	FM 1740B2RF	2.35	1.20	86.3	31.5	6.5	79.0	6.7	4.55	1927	21.31	4.02
1404	PHY 499WRF	2.45	1.20	86.5	33.5	7.5	75.0	7.1	4.90	1835	20.33	3.97
1376	ST 5458B2RF	2.33	1.20	85.6	33.5	6.8	76.5	7.6	4.65	2245	22.14	3.64
1391	ST 5288B2RF	2.45	1.20	85.5	29.0	6.7	79.0	6.3	4.95	2047	21.96	3.79
1326	PHY 375WRF	2.15	1.20	84.7	31.5	6.8	76.5	6.7	4.15	1927	20.08	3.83
1428	AM 1511B2RF	2.38	1.20	84.9	32.0	7.8	76.5	7.5	4.75	1729	20.79	3.63
1387	ST 4288B2RF	2.23	1.30	86.2	32.0	6.7	76.0	7.1	4.35	2198	20.66	3.83
1390	PHY 367WRF	2.05	1.20	86.3	31.5	6.9	75.0	7.1	4.05	2119	19.24	3.81
1344	FM 9058F	2.30	1.30	86.8	32.5	6.2	77.5	6.7	4.35	1999	22.29	3.76
1396	DP 1048B2RF	2.33	1.25	86.3	29.5	7.5	77.5	7.5	4.55	1750	16.35	4.42
1430	DP 1133B2RF	2.38	1.20	86.5	32.0	7.2	77.0	7.2	4.75	1783	15.17	4.39
1429	DP 1137B2RF	2.35	1.20	86.3	29.5	7.6	78.0	7.4	4.60	1481	15.84	4.42
1412	DP 0912B2RF	2.28	1.20	84.7	32.0	6.9	76.5	7.3	4.50	1968	19.37	3.50
1392	DG 2570B2RF	1.98	1.20	84.6	30.0	7.3	75.5	7.6	3.90	1536	16.92	3.84
1389	PHY 565WRF	2.28	1.20	86.6	33.5	7.5	77.0	7.1	4.45	1623	20.51	3.63
1397	DP 1050B2RF	2.30	1.25	86.6	29.5	7.3	77.5	7.6	4.50	1278	15.82	4.24
1345	AMERICOT 1550B2RF	2.08	1.20	85.3	29.5	6.9	78.0	7.4	4.00	1592	19.69	3.89
1426	Phytogen 725RF	2.28	1.25	85.8	37.0	7.5	73.5	7.7	4.50	1648	22.43	3.83
.	LSD	0.13	0.06	1.2	2.8	0.5	2.3	0.6	0.34	356	0.69	0.25

VARIETY CODE	VARIETY	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1365	FM 1740B2RF	0.56	0.42	0.98	.	.	.	.	.	.	.
1404	PHY 499WRF	0.73	0.46	1.19	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.82	0.54	1.35	.	.	.	.	.	.	.
1391	ST 5288B2RF	0.76	0.52	1.28	.	.	.	.	.	.	.
1326	PHY 375WRF	0.71	0.50	1.20	478	32.5	1.81	82	47.56	3.84	2.5
1428	AM 1511B2RF	0.82	0.56	1.38	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.82	0.48	1.30	.	.	.	.	.	.	.
1390	PHY 367WRF	0.69	0.49	1.18	.	.	.	.	.	.	.
1344	FM 9058F	0.51	0.44	0.94	437	21.3	1.59	90	45.38	4.02	2.9
1396	DP 1048B2RF	0.69	0.44	1.13	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.63	0.42	1.05	.	.	.	.	.	.	.
1429	DP 1137B2RF	0.63	0.40	1.03	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.70	0.46	1.16	429	25.8	1.68	87	49.11	4.43	2.9
1392	DG 2570B2RF	0.65	0.42	1.07	.	.	.	.	.	.	.
1389	PHY 565WRF	0.71	0.51	1.22	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.67	0.44	1.11	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.76	0.50	1.26	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.60	0.41	1.01	440	22.0	1.60	90	45.52	4.00	2.9
.	LSD	0.03	0.03	0.04	20.4	4.1	0.09	4	1.72	0.25	0.2

BELLE MINA, AL

VARIETY CODE	VARIETY	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 (%)
1428	AM 1511B2RF	1442	4.78	42.9	9.9	53	1.19	0.55	216	8.3
1326	PHY 375WRF	1323	4.95	41.7	10.2	55	1.20	0.56	229	7.3
1429	DP 1137B2RF	1315	4.86	43.7	9.1	50	1.20	0.60	218	8.5
1344	FM 9058F	1295	4.58	40.1	10.5	67	1.25	0.55	225	7.3
1365	FM 1740B2RF	1294	4.58	41.2	10.0	57	1.20	0.57	244	8.0
1345	AMERICOT 1550B2RF	1281	4.86	41.9	10.1	49	1.17	0.57	201	7.5
1412	DP 0912B2RF	1278	4.95	40.6	9.5	52	1.16	0.54	208	7.3
1404	PHY 499WRF	1276	4.81	43.3	9.4	54	1.21	0.58	235	8.0
1387	ST 4288B2RF	1273	4.94	39.0	10.4	52	0.98	0.57	241	8.0

1396	DP 1048B2RF	1262	4.48	43.1	9.1	48	1.23	0.54	210	8.8
1390	PHY 367WRF	1253	4.38	41.1	9.7	57	1.24	0.57	234	8.0
1392	DG 2570B2RF	1222	5.09	41.2	10.6	51	1.18	0.56	213	8.3
1391	ST 5288B2RF	1215	4.81	40.1	9.0	52	1.21	0.56	222	8.3
1397	DP 1050B2RF	1213	4.78	42.7	9.2	49	1.25	0.57	198	8.0
1389	PHY 565WRF	1162	4.09	40.9	9.3	56	1.25	0.58	237	8.0
1430	DP 1133B2RF	1138	4.75	43.2	9.2	54	1.21	0.58	230	8.0
1376	ST 5458B2RF	1133	4.61	40.1	9.7	62	1.23	0.54	226	8.0
1426	Phytogen 725RF	1115	5.18	37.5	10.3	61	1.26	0.61	251	8.0
.	LSD	180	0.61	1.1	0.7	4	0.18	0.04	13	0.5

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY		MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	OIL	NITR
CODE	VARIETY	NAIRE	S.L.	MITY	NGTH	E	Rd	b	NAIRE	YIELD	(%)	OGEN
		(reading)	(in.)	(%)	(g/tex)	HUNTER'S			(Reading)	(lb/ac)		(%)
1428	AM 1511B2RF	2.25	1.20	84.7	31.5	8.0	78.0	8.1	4.60	1920	20.28	3.27
1326	PHY 375WRF	2.03	1.20	85.0	32.5	6.9	78.0	7.9	4.05	1849	20.51	3.32
1429	DP 1137B2RF	2.28	1.20	85.4	31.0	8.0	79.0	7.9	4.50	1695	16.86	3.53
1344	FM 9058F	1.90	1.25	85.4	32.5	6.4	80.5	7.3	3.75	1930	20.50	3.32
1365	FM 1740B2RF	2.00	1.20	84.8	32.0	6.9	78.0	7.2	4.00	1852	20.84	3.08
1345	AMERICOT 1550B2RF	2.18	1.20	84.7	29.0	7.2	77.5	8.6	4.30	1779	21.27	3.22
1412	DP 0912B2RF	2.33	1.20	84.9	30.0	7.4	79.0	8.2	4.75	1866	20.09	2.97
1404	PHY 499WRF	2.28	1.20	84.3	32.0	7.7	78.0	8.2	4.55	1672	21.13	3.15
1387	ST 4288B2RF	2.15	1.20	85.1	31.0	7.2	79.5	8.1	4.35	1998	21.81	3.06
1396	DP 1048B2RF	2.10	1.20	85.9	29.5	7.8	78.5	8.3	4.30	1663	17.13	3.30
1390	PHY 367WRF	1.98	1.20	85.1	30.5	7.3	78.0	8.5	3.85	1790	19.93	3.22
1392	DG 2570B2RF	2.15	1.15	85.1	31.5	7.7	77.0	8.3	4.25	1746	18.92	3.19
1391	ST 5288B2RF	2.28	1.20	84.3	30.0	7.0	79.5	7.6	4.60	1814	20.87	3.09
1397	DP 1050B2RF	2.18	1.20	85.8	29.0	7.6	78.0	8.0	4.25	1625	16.64	3.75
1389	PHY 565WRF	2.03	1.25	85.9	31.0	7.7	77.0	8.1	4.10	1679	20.03	3.20
1430	DP 1133B2RF	2.25	1.20	86.0	33.0	8.1	78.0	8.0	4.45	1493	16.48	3.58
1376	ST 5458B2RF	2.20	1.20	85.0	33.0	6.7	77.5	8.3	4.25	1696	22.01	3.25
1426	Phytogen 725RF	1.98	1.25	85.5	36.5	7.5	77.5	8.1	3.95	1857	21.34	3.07
.	LSD	0.14	0.06	1.4	2.8	0.5	2.3	0.7	0.45	270	0.90	.

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY		PLUS	MINUS	TOTAL	A	D	M	p	w	t	
CODE	VARIETY	(+)	(-)	(%)	---(mm2/mm3)---			(microns)	(mg/in)	(microns)	
1428	AM 1511B2RF	0.94	0.68	1.62	.	.	.	.	.	.	
1326	PHY 375WRF	0.78	0.56	1.34	461	26.3	1.68	86	45.88	3.86	2.7
1429	DP 1137B2RF	0.79	0.51	1.30	.	.	.	.	.	.	
1344	FM 9058F	0.51	0.48	0.99	489	24.8	1.66	87	42.54	3.37	2.6
1365	FM 1740B2RF	0.65	0.48	1.13	.	.	.	.	.	.	

1345	AMERICOT 1550B2RF	0.88	0.62	1.50	.	.	.	.	.	.	
1412	DP 0912B2RF	0.85	0.56	1.40	418	21.0	1.57	91	47.31	4.38	3.0
1404	PHY 499WRF	0.79	0.48	1.27	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.91	0.55	1.46	.	.	.	.	.	.	.
1396	DP 1048B2RF	0.79	0.52	1.31	.	.	.	.	.	.	.
1390	PHY 367WRF	0.75	0.53	1.28	.	.	.	.	.	.	.
1392	DG 2570B2RF	0.82	0.53	1.35	.	.	.	.	.	.	.
1391	ST 5288B2RF	0.87	0.61	1.48	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.80	0.52	1.31	.	.	.	.	.	.	.
1389	PHY 565WRF	0.77	0.53	1.30	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.75	0.49	1.23	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.84	0.53	1.36	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.62	0.46	1.08	494	29.8	1.76	84	44.62	3.50	2.5

LOCATION=GRIFFIN, GA

VARIETY		LINT	BOLL		YARN	DIGITAL	FIBROGRAPH	STELOMETER		
CODE	VARIETY	YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
		(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1326	PHY 375WRF	1892	23.9	43.7	.	53	1.16	0.56	203	6.5
1404	PHY 499WRF	1870	22.4	46.0	.	52	1.16	0.57	226	7.0
1412	DP 0912B2RF	1787	22.2	44.4	.	52	1.14	0.54	217	6.8
1396	DP 1048B2RF	1722	20.9	45.5	.	48	1.17	0.54	210	6.8
1429	DP 1137B2RF	1713	20.6	45.8	.	49	1.15	0.54	202	6.8
1376	ST 5458B2RF	1685	21.4	43.4	.	56	1.17	0.54	214	7.8
1397	DP 1050B2RF	1650	19.6	46.4	.	49	1.14	0.53	205	6.8
1430	DP 1133B2RF	1637	19.4	46.4	.	50	1.14	0.56	232	7.8
1428	AM 1511B2RF	1631	19.6	45.9	.	48	1.12	0.53	214	6.8
1389	PHY 565WRF	1595	20.7	42.5	.	54	1.17	0.57	221	7.3
1392	DG 2570B2RF	1567	20.1	43.0	.	51	1.16	0.55	215	6.5
1365	FM 1740B2RF	1524	19.7	42.6	.	51	1.14	0.53	216	7.3
1391	ST 5288B2RF	1452	18.6	43.1	.	49	1.17	0.55	196	6.8
1390	PHY 367WRF	1444	18.8	42.3	.	54	1.16	0.55	207	8.0
1345	AMERICOT 1550B2RF	1440	18.9	42.0	.	54	1.16	0.56	217	7.0
1387	ST 4288B2RF	1313	18.1	39.9	.	53	1.17	0.53	205	7.5
1344	FM 9058F	1265	16.5	42.2	.	63	1.20	0.53	214	6.5
1426	Phytogen 725RF	1200	16.4	40.3	.	58	1.20	0.56	250	6.8
.	LSD	244	3.08	1.0	.	3	0.03	0.03	13	0.8

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
VARIETY		MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED		NITR
CODE	VARIETY	NAIRE	S.L.	MITY	NGTH	HUNTER'S			NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1326	PHY 375WRF	2.10	1.15	84.2	28.5	6.3	67.0	6.7	4.20	2442	20.13	3.78
1404	PHY 499WRF	2.30	1.15	84.9	32.5	7.5	65.5	7.2	4.55	2198	18.47	3.48
1412	DP 0912B2RF	2.40	1.10	84.4	29.0	6.6	65.5	6.5	5.00	2239	19.11	3.25
1396	DP 1048B2RF	2.20	1.20	85.0	30.0	7.3	69.5	8.1	4.40	2065	15.12	4.10
1429	DP 1137B2RF	2.25	1.15	84.0	28.5	6.9	71.0	8.5	4.70	2032	16.13	3.91
1376	ST 5458B2RF	2.48	1.20	84.0	32.0	6.8	64.5	7.4	4.95	2193	20.60	3.50
1397	DP 1050B2RF	2.28	1.20	84.0	29.0	7.2	71.5	8.2	4.60	1907	15.54	4.30
1430	DP 1133B2RF	2.28	1.10	84.4	34.0	7.4	68.0	7.8	4.65	1889	15.04	4.24
1428	AM 1511B2RF	2.38	1.15	84.2	29.5	7.5	68.0	7.1	5.05	1922	19.18	3.70
1389	PHY 565WRF	2.25	1.20	83.8	32.5	7.1	66.0	7.5	4.40	2153	18.93	3.41
1392	DG 2570B2RF	2.15	1.15	84.6	31.5	7.4	70.5	8.3	4.40	2079	18.25	3.59
1365	FM 1740B2RF	2.10	1.15	84.5	30.5	6.5	68.0	6.6	4.30	2052	20.96	3.63
1391	ST 5288B2RF	2.35	1.15	83.7	29.5	6.7	67.0	6.1	4.75	1917	21.75	3.46
1390	PHY 367WRF	2.13	1.15	84.1	31.0	6.7	66.5	7.4	4.20	1964	20.49	3.74
1345	AMERICOT 1550B2RF	2.28	1.15	84.0	28.5	6.6	70.0	7.9	4.65	1986	20.27	3.81
1387	ST 4288B2RF	2.30	1.20	83.9	29.0	6.6	65.5	7.7	4.70	1977	20.45	3.43
1344	FM 9058F	2.15	1.20	83.9	29.5	5.6	70.0	6.8	4.40	1730	19.96	3.41
1426	Phytogen 725RF	2.10	1.20	83.7	35.0	7.1	68.0	7.5	4.30	1778	20.76	3.71
.	LSD	0.16	0.11	1.1	2.3	0.4	2.6	0.8	0.50	321	1.48	0.37

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY		PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
CODE	VARIETY	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
1326	PHY 375WRF	0.67	0.49	1.16	457	27.0	1.70	86	46.82	3.97	2.7
1404	PHY 499WRF	0.66	0.41	1.07	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.64	0.45	1.09	396	13.3	1.39	98	43.97	4.29	3.3
1396	DP 1048B2RF	0.66	0.43	1.08	.	.	.	.	.	.	.
1429	DP 1137B2RF	0.61	0.41	1.01	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.70	0.45	1.15	.	.	.	.	.	.	.
1397	DP 1050B2RF	0.65	0.45	1.09	.	.	.	.	.	.	.
1430	DP 1133B2RF	0.61	0.43	1.03	.	.	.	.	.	.	.
1428	AM 1511B2RF	0.69	0.51	1.20	.	.	.	.	.	.	.
1389	PHY 565WRF	0.68	0.46	1.14	.	.	.	.	.	.	.
1392	DG 2570B2RF	0.70	0.48	1.18	.	.	.	.	.	.	.
1365	FM 1740B2RF	0.57	0.43	1.00	.	.	.	.	.	.	.
1391	ST 5288B2RF	0.75	0.53	1.28	.	.	.	.	.	.	.
1390	PHY 367WRF	0.67	0.48	1.14	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.74	0.48	1.22	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.79	0.45	1.24	.	.	.	.	.	.	.
1344	FM 9058F	0.41	0.39	0.80	432	17.5	1.50	94	43.41	3.89	3.0

1426 Phytogen 725RF	0.52	0.38	0.89	450	26.0	1.68	87	46.74	4.02	2.8
. LSD	0.08	0.08	0.13	17.9	14.1	0.29	11	7.30	0.52	0.3

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*Thank you for your interest in the ongoing work of the  
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Questions or comments to: [ellen.keene@ars.usda.gov](mailto:ellen.keene@ars.usda.gov)

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# 2011 National Cotton Variety Test

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 DELTA REGIONAL COTTON VARIETY TEST

OVERALL SUMMARY COMBINING LOCATIONS

----- DELTA REGION -----

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 (%)
1404	PHY 499WRF	1297	4.78	43.2	9.9	60	1.18	0.55	243	7.3
1412	DP 0912B2RF	1274	4.82	39.9	9.7	60	1.13	0.52	224	7.0
1326	PHY 375WRF	1266	4.55	41.2	9.4	61	1.15	0.53	213	6.6
1345	AMERICOT 1550B2RF	1215	4.95	40.2	10.0	58	1.15	0.54	208	6.8
1376	ST 5458B2RF	1174	5.00	38.8	10.6	62	1.17	0.53	230	6.8
1358	FM 1740B2F	1086	4.71	40.3	10.1	64	1.17	0.54	244	7.3
1381	DP 0949B2RF	1082	4.74	42.5	8.6	65	1.17	0.55	243	6.9
1344	FM 9058F	1019	5.08	38.4	11.3	72	1.20	0.54	235	6.5

1417 UA 48	917	5.40	36.6	11.8	73	1.28	0.60	285	7.3
1426 Phytogen 725RF	858	4.90	36.5	10.5	68	1.24	0.59	267	6.8
. LSD	185	0.31	1.4	0.9	3	0.03	0.02	16	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	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1404	PHY 499WRF	2.29	1.18	84.5	34.7	7.0	74.7	7.6	4.63	1723	19.37	3.75
1412	DP 0912B2RF	2.43	1.13	83.8	33.0	6.7	73.8	7.5	4.92	1895	19.48	3.30
1326	PHY 375WRF	2.16	1.17	83.8	33.0	6.5	77.2	7.2	4.38	1733	19.23	3.60
1345	AMERICOT 1550B2RF	2.18	1.15	84.2	31.0	6.5	75.5	7.7	4.40	1745	19.82	3.59
1376	ST 5458B2RF	2.36	1.17	83.7	35.5	6.5	74.3	8.1	4.78	1823	21.08	3.52
1358	FM 1740B2F	2.19	1.17	84.3	33.2	6.4	77.0	7.3	4.43	1447	20.57	3.54
1381	DP 0949B2RF	2.18	1.18	84.1	34.2	6.5	76.7	7.7	4.40	1394	19.54	3.59
1344	FM 9058F	2.16	1.22	84.8	33.7	5.8	77.0	6.9	4.37	1530	21.01	3.51
1417	UA 48	2.38	1.28	86.3	41.3	6.6	75.7	7.3	4.80	1527	20.61	3.52
1426	Phytogen 725RF	2.10	1.23	85.1	38.3	6.7	74.7	7.9	4.20	1338	20.66	3.56
. LSD		0.17	0.04	0.8	2.4	0.4	0.8	0.4	0.34	511	1.42	0.28

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
					---(mm2/mm3)---						
1404	PHY 499WRF	0.61	0.39	1.00	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.63	0.45	1.08	414	14.5	1.42	96	42.88	4.03	3.2
1326	PHY 375WRF	0.62	0.46	1.08	450	23.3	1.61	89	45.10	3.93	2.8
1345	AMERICOT 1550B2RF	0.73	0.49	1.22	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.72	0.43	1.15	.	.	.	.	.	.	.
1358	FM 1740B2F	0.54	0.41	0.95	.	.	.	.	.	.	.
1381	DP 0949B2RF	0.48	0.36	0.84	.	.	.	.	.	.	.
1344	FM 9058F	0.39	0.40	0.80	446	23.3	1.62	89	45.66	3.98	2.8
1417	UA 48	0.59	0.43	1.02	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.52	0.38	0.90	468	22.8	1.60	90	42.72	3.53	2.7
. LSD		0.05	0.04	0.08	31.2	6.1	0.12	5	2.90	0.47	0.2

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
SAINT JOSEPH, LA	1207	5.59	41.6	9.9	60	1.14	0.53	237	6.2
PORTAGEVILLE, MO	1170	.	.	.	72	1.20	0.56	241	7.9
KEISER, AR	979	4.20	37.9	10.5	62	1.21	0.56	239	6.8

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
	MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	SEED	COLORIMETER	MICRO-NAIRE	SEED	OIL	NITR
	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)
SAINT JOSEPH, LA	2.53	1.15	84.1	33.2	6.1	76.9	7.8	5.14	1689	21.83
PORTAGEVILLE, MO	2.25	1.20	84.1	33.8	6.8	72.8	7.1	4.50	.	19.55
KEISER, AR	1.95	1.22	85.2	37.4	6.6	77.3	7.6	3.95	1542	19.03

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
SAINT JOSEPH, LA	0.65	0.46	1.11	414	13.9	1.40	97	42.58	3.99	3.2
PORTAGEVILLE, MO	0.55	0.41	0.96	424	19.1	1.53	92	45.23	4.14	3.0
KEISER, AR	0.54	0.39	0.94	495	30.0	1.76	84	44.45	3.47	2.5

INDIVIDUAL LOCATIONS  
LOCATION=SAINT JOSEPH, LA

VARIETY	VARIETY	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
CODE	NAME	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1412	DP 0912B2RF	1427	5.48	41.7	9.5	56	1.10	0.49	226	7.0
1381	DP 0949B2RF	1362	5.52	43.4	9.0	59	1.13	0.54	249	6.0
1376	ST 5458B2RF	1324	5.56	40.8	10.3	59	1.12	0.52	218	6.3
1326	PHY 375WRF	1280	5.25	43.2	9.2	56	1.08	0.49	209	5.5
1345	AMERICOT 1550B2RF	1273	5.74	42.1	9.9	56	1.12	0.51	204	6.0
1404	PHY 499WRF	1233	5.55	45.1	9.3	55	1.15	0.55	249	6.3
1358	FM 1740B2F	1168	5.40	42.6	9.8	59	1.12	0.51	245	6.0
1417	UA 48	1106	6.21	38.8	11.5	68	1.26	0.58	277	6.0

1344 FM 9058F	1079	5.61	40.2	10.8	66	1.17	0.52	236	6.3
1426 Phytogen 725RF	817	5.56	37.6	9.9	63	1.20	0.57	258	6.5
. LSD	127	0.33	1.0	0.5	3	0.02	0.02	13	0.7

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	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1412 DP 0912B2RF		2.63	1.10	83.8	31.5	6.5	75.5	7.6	5.40	1993	20.82	2.90
1381 DP 0949B2RF		2.58	1.15	83.6	32.5	6.1	77.0	8.1	5.30	1775	20.70	3.23
1376 ST 5458B2RF		2.73	1.10	83.3	33.5	6.1	75.0	8.4	5.50	1917	23.05	2.80
1326 PHY 375WRF		2.48	1.10	83.3	34.5	6.5	78.5	7.3	5.05	1681	21.96	3.10
1345 AMERICOT 1550B2RF		2.45	1.10	83.9	29.5	5.9	77.5	8.0	4.95	1756	21.75	3.22
1404 PHY 499WRF		2.55	1.15	84.8	33.5	6.7	76.0	7.9	5.20	1500	20.27	3.57
1358 FM 1740B2F		2.53	1.10	83.2	31.0	5.9	78.0	7.5	5.15	1577	21.97	3.13
1417 UA 48		2.68	1.25	85.8	39.0	6.1	77.0	7.9	5.40	1742	23.02	3.22
1344 FM 9058F		2.38	1.20	84.4	32.0	5.4	78.5	7.1	4.85	1600	22.65	3.05
1426 Phytogen 725RF		2.30	1.20	84.9	35.0	6.1	76.0	8.4	4.60	1352	22.16	3.06
. LSD		0.07	0.09	1.4	2.4	0.2	1.0	0.6	0.20	166	1.34	0.22

---GOSSYPOL LEVELS---

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			---AREALOMETER DATA---						
		PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1412 DP 0912B2RF		0.71	0.48	1.19	392	9.0	1.28	102	40.94	4.04	3.5
1381 DP 0949B2RF		0.58	0.43	1.01	.	.	.	.	.	.	.
1376 ST 5458B2RF		0.84	0.47	1.31	.	.	.	.	.	.	.
1326 PHY 375WRF		0.69	0.52	1.21	405	15.0	1.43	96	44.45	4.25	3.2
1345 AMERICOT 1550B2RF		0.82	0.52	1.34	.	.	.	.	.	.	.
1404 PHY 499WRF		0.69	0.43	1.12	.	.	.	.	.	.	.
1358 FM 1740B2F		0.60	0.45	1.05	.	.	.	.	.	.	.
1417 UA 48		0.62	0.47	1.09	.	.	.	.	.	.	.
1344 FM 9058F		0.43	0.44	0.86	412	17.0	1.48	95	45.27	4.26	3.1
1426 Phytogen 725RF		0.58	0.43	1.00	450	14.5	1.42	97	39.68	3.42	2.9
. LSD		0.04	0.04	0.06	33.5	7.0	0.16	6	3.62	0.53	0.3

LOCATION=PORTAGEVILLE, MO

VARIETY CODE	VARIETY NAME	LINT	BOLL	YARN		DIGITAL FIBROGRAPH		STELOMETER		
		YIELD (lb/acre)	SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1330	.	.	.	69	1.18	0.55	227	8.0
1404	PHY 499WRF	1327	.	.	.	66	1.18	0.56	241	7.8
1345	AMERICOT 1550B2RF	1280	.	.	.	64	1.14	0.55	212	8.0
1412	DP 0912B2RF	1263	.	.	.	68	1.13	0.54	226	8.0
1376	ST 5458B2RF	1180	.	.	.	67	1.17	0.53	237	8.0
1358	FM 1740B2F	1179	.	.	.	73	1.18	0.57	238	8.0
1344	FM 9058F	1138	.	.	.	82	1.22	0.56	250	7.3
1381	DP 0949B2RF	1127	.	.	.	74	1.21	0.57	228	7.8
1417	UA 48	962	.	.	.	82	1.31	0.61	283	7.8
1426	Phytogen 725RF	917	.	.	.	74	1.25	0.61	275	8.0
.	LSD	138	.	.	.	3	0.04	0.03	8	0.8

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY CODE	VARIETY NAME	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER		MICRO-	SEED	NITR		
		NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	HUNTER'S Rd	b (Reading)	NAIRE (Reading)	YIELD (lb/ac)	OIL (%)	OGEN (%)	
1326	PHY 375WRF	2.20	1.20	83.7	31.5	6.8	74.5	6.9	4.45	.	17.93	3.86
1404	PHY 499WRF	2.23	1.20	83.4	32.5	7.0	71.5	7.5	4.45	.	19.19	4.15
1345	AMERICOT 1550B2RF	2.25	1.15	83.6	30.5	7.1	72.5	7.4	4.50	.	19.08	3.92
1412	DP 0912B2RF	2.55	1.10	82.9	32.5	7.1	70.5	7.1	5.10	.	19.86	3.58
1376	ST 5458B2RF	2.33	1.20	83.1	34.5	6.8	71.5	7.7	4.70	.	20.62	4.12
1358	FM 1740B2F	2.23	1.20	84.4	32.0	6.7	74.0	6.9	4.45	.	19.94	3.93
1344	FM 9058F	2.18	1.20	85.0	32.5	6.3	74.0	6.5	4.35	.	20.73	3.78
1381	DP 0949B2RF	2.13	1.20	84.2	33.5	6.7	74.5	7.0	4.20	.	17.61	3.74
1417	UA 48	2.20	1.30	85.9	39.0	6.9	73.0	7.1	4.45	.	20.40	3.82
1426	Phytogen 725RF	2.20	1.25	85.2	39.0	7.2	71.5	7.4	4.40	.	20.17	3.94
.	LSD	0.16	0.07	1.3	3.3	0.4	2.2	0.4	0.38	.	1.02	0.31

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.55	0.42	0.97	426	20.3	1.56	91	45.94	4.18	3.0
1404	PHY 499WRF	0.58	0.37	0.95	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.70	0.48	1.17	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.62	0.45	1.07	387	13.5	1.40	97	45.29	4.53	3.4
1376	ST 5458B2RF	0.66	0.42	1.07	.	.	.	.	.	.	.
1358	FM 1740B2F	0.52	0.42	0.94	.	.	.	.	.	.	.

1344 FM 9058F	0.37	0.38	0.75	444	24.0	1.64	88	46.43	4.05	2.8
1381 DP 0949B2RF	0.48	0.37	0.85	.	.	.	.	.	.	.
1417 UA 48	0.58	0.43	1.01	.	.	.	.	.	.	.
1426 Phytogen 725RF	0.48	0.35	0.83	439	18.5	1.52	93	43.29	3.81	2.9
. LSD	0.03	0.03	0.07	32.0	11.7	0.28	11	7.73	0.74	0.4

LOCATION=KEISER, AR

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 (%)
1404	PHY 499WRF	1331	4.00	41.4	10.6	60	1.20	0.55	240	8.0
1326	PHY 375WRF	1189	3.84	39.1	9.5	58	1.18	0.54	202	6.3
1412	DP 0912B2RF	1133	4.16	38.0	9.9	57	1.17	0.54	221	6.0
1345	AMERICOT 1550B2RF	1093	4.16	38.3	10.2	55	1.19	0.56	207	6.3
1376	ST 5458B2RF	1019	4.45	36.8	10.9	61	1.22	0.55	236	6.0
1358	FM 1740B2F	910	4.03	38.1	10.5	62	1.20	0.55	249	8.0
1344	FM 9058F	841	4.55	36.6	11.8	68	1.22	0.54	220	6.0
1426	Phytogen 725RF	838	4.24	35.3	11.1	68	1.27	0.60	268	6.0
1381	DP 0949B2RF	757	3.96	41.6	8.3	63	1.17	0.54	251	7.0
1417	UA 48	684	4.59	34.3	12.1	70	1.29	0.60	296	8.0
. LSD		137	0.70	1.1	0.8	5	0.02	0.02	13	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 (%)
1404	PHY 499WRF	2.10	1.20	85.4	38.0	7.2	76.5	7.5	4.25	1946	18.66	3.54
1326	PHY 375WRF	1.80	1.20	84.5	33.0	6.2	78.5	7.4	3.65	1786	17.79	3.84
1412	DP 0912B2RF	2.10	1.20	84.9	35.0	6.5	75.5	7.8	4.25	1796	17.77	3.42
1345	AMERICOT 1550B2RF	1.85	1.20	85.1	33.0	6.6	76.5	7.7	3.75	1733	18.64	3.63
1376	ST 5458B2RF	2.03	1.20	84.8	38.5	6.7	76.5	8.4	4.15	1729	19.58	3.65
1358	FM 1740B2F	1.83	1.20	85.3	36.5	6.6	79.0	7.4	3.70	1317	19.82	3.57
1344	FM 9058F	1.93	1.25	84.9	36.5	5.9	78.5	7.2	3.90	1460	19.67	3.70
1426	Phytogen 725RF	1.80	1.25	85.3	41.0	6.9	76.5	8.0	3.60	1324	19.64	3.69
1381	DP 0949B2RF	1.85	1.20	84.6	36.5	6.8	78.5	8.2	3.70	1014	20.31	3.82
1417	UA 48	2.25	1.30	87.3	46.0	7.0	77.0	7.1	4.55	1313	18.41	3.53
. LSD		0.14	0.07	1.1	3.1	0.5	2.3	0.5	0.44	265	1.36	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)
1404	PHY 499WRF	0.57	0.38	0.95	.	.	.	.	.	.	.
1326	PHY 375WRF	0.61	0.46	1.06	519	34.8	1.86	80	44.91	3.35	2.3
1412	DP 0912B2RF	0.57	0.41	0.98	464	21.0	1.57	91	42.41	3.53	2.7
1345	AMERICOT 1550B2RF	0.69	0.47	1.16	.	.	.	.	.	.	.
1376	ST 5458B2RF	0.67	0.42	1.09	.	.	.	.	.	.	.
1358	FM 1740B2F	0.50	0.38	0.88	.	.	.	.	.	.	.
1344	FM 9058F	0.39	0.39	0.78	483	29.0	1.74	84	45.29	3.63	2.5
1426	Phytogen 725RF	0.50	0.36	0.86	516	35.3	1.86	80	45.19	3.38	2.3
1381	DP 0949B2RF	0.39	0.29	0.68	.	.	.	.	.	.	.
1417	UA 48	0.56	0.40	0.96	.	.	.	.	.	.	.
.	LSD	0.05	0.05	0.08	27.4	21.6	0.43	17	9.64	0.71	0.2

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National Cotton Variety Test Program.*



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# 2011 National Cotton Variety Test

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 CENTRAL REGIONAL COTTON VARIETY TEST

----- CENTRAL REGION -----

VARIETIES COMBINING 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 (%)
1358	FM 1740B2F	1673	4.91	41.8	10.7	53	1.18	0.53	233	8.0
1404	PHY 499WRF	1649	4.51	44.2	8.4	54	1.12	0.52	217	8.3
1345	AMERICOT 1550B2RF	1494	4.48	42.0	8.9	51	1.11	0.50	195	8.2
1412	DP 0912B2RF	1489	4.60	40.6	9.1	49	1.11	0.51	212	8.1
1326	PHY 375WRF	1439	4.37	41.9	8.4	53	1.12	0.50	204	8.0
1427	DP 1044B2RF	1414	3.86	40.1	7.7	50	1.12	0.50	207	8.1
1344	FM 9058F	1388	4.93	39.7	9.7	56	1.16	0.50	212	7.7

1411 AT Epic RF	1332	4.67	42.8	8.5	51	1.11	0.51	206	8.2
1426 Phytogen 725RF	1124	4.69	38.6	9.5	59	1.18	0.54	239	8.2
. LSD	193	0.33	1.6	0.7	4	0.02	0.02	12	0.4

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1358	FM 1740B2F	2.35	1.20	84.9	32.0	5.9	76.0	9.2	4.65	2330	21.86	3.29
1404	PHY 499WRF	2.22	1.12	83.8	31.8	6.9	71.5	8.6	4.40	2069	19.81	3.38
1345	AMERICOT 1550B2RF	2.14	1.12	83.0	27.2	6.0	74.3	9.3	4.28	2053	20.25	3.19
1412	DP 0912B2RF	2.38	1.10	83.2	30.7	6.6	72.5	8.8	4.75	2157	19.79	3.01
1326	PHY 375WRF	2.05	1.13	83.1	29.2	6.0	73.0	8.9	4.08	2009	19.31	3.32
1427	DP 1044B2RF	2.06	1.12	82.2	28.8	6.6	74.0	8.7	4.10	2109	18.75	3.01
1344	FM 9058F	2.09	1.17	83.1	28.8	5.3	73.5	7.8	4.15	2113	21.21	3.08
1411	AT Epic RF	2.17	1.10	82.6	29.3	6.5	73.5	9.7	4.32	1779	18.72	3.17
1426	Phytogen 725RF	2.07	1.17	84.0	35.2	6.7	70.8	9.0	4.12	1773	20.77	3.24
. LSD		0.15	0.05	0.8	1.5	0.5	1.5	0.6	0.32	237	1.88	0.24

---GOSSYPOL LEVELS---

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1358	FM 1740B2F	0.58	0.47	1.05	.	.	.	.	.	.	.
1404	PHY 499WRF	0.73	0.44	1.17	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.74	0.46	1.19	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.59	0.42	1.01	424	24.2	1.64	88	48.74	4.46	2.9
1326	PHY 375WRF	0.66	0.46	1.12	481	29.7	1.75	84	45.52	3.67	2.6
1427	DP 1044B2RF	0.65	0.37	1.01	.	.	.	.	.	.	.
1344	FM 9058F	0.45	0.43	0.89	464	23.6	1.63	88	44.01	3.67	2.7
1411	AT Epic RF	0.70	0.46	1.16	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.57	0.40	0.97	474	22.9	1.62	89	42.82	3.50	2.6
. LSD		0.22	0.13	0.35	37.7	11.3	0.23	9	2.82	0.26	0.3

LOCATIONS COMBINING VARIETIES

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LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
COLLEGE STATION, TX	1708	4.84	41.5	10.2	54	1.17	0.52	222	7.9
WESLACO, TX	1684	4.38	41.3	7.6	54	1.13	0.51	208	8.1
BEEVILLE, TX	853	4.32	40.9	8.6	50	1.09	0.49	207	8.3

LOCATION	MICRO- NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)				SEED YIELD (lb/ac)	NITR OGEN (%)				
		2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E			COLORIMETER HUNTER'S Rd	MICRO- NAIRE b (Reading)	OIL (%)	
COLLEGE STATION, TX	2.30	1.17	84.2	31.4	6.2	73.7	9.3	4.58	2397	20.99	3.12
WESLACO, TX	1.96	1.13	83.0	29.7	6.4	72.6	7.6	3.88	2388	19.70	2.83
BEEVILLE, TX	2.18	1.09	82.2	29.4	6.3	72.7	9.6	4.37	1230	18.89	3.60

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M	p	w	t
				---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
COLLEGE STATION, TX	0.63	0.48	1.10	439	22.3	1.60	89	45.85	4.06	2.9
WESLACO, TX	0.68	0.46	1.14	484	28.5	1.73	85	44.76	3.59	2.5
BEEVILLE, TX	0.59	0.35	0.94	459	24.5	1.65	88	45.21	3.82	2.7

INDIVIDUAL LOCATION RESULTS  
COLLEGE STATION, TX

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)	(%)
1404	PHY 499WRF	2011	4.74	44.8	9.6	57	1.16	0.54	221	8.3
1412	DP 0912B2RF	1898	4.91	41.2	10.0	52	1.14	0.53	227	8.0
1427	DP 1044B2RF	1820	3.94	41.5	8.6	50	1.15	0.52	211	7.8
1326	PHY 375WRF	1766	4.85	41.5	10.2	54	1.16	0.51	221	8.0

1345	AMERICOT 1550B2RF	1753	4.94	41.8	10.5	52	1.14	0.51	203	8.0
1358	FM 1740B2F	1673	4.91	41.8	10.7	53	1.18	0.53	233	8.0
1411	AT Epic RF	1647	5.03	42.8	9.7	54	1.15	0.52	214	8.0
1344	FM 9058F	1596	5.42	39.0	11.5	59	1.21	0.52	229	7.0
1426	Phytogen 725RF	1207	4.82	39.1	11.1	60	1.24	0.55	239	7.8
.	LSD	272	0.64	1.3	0.6	2	0.02	0.02	17	0.7

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)
1404	PHY 499WRF	2.40	1.20	85.1	33.5	6.9	71.5	9.0	4.75	2465	20.36	3.23
1412	DP 0912B2RF	2.45	1.10	84.3	31.5	6.2	72.5	8.9	4.90	2705	21.14	2.84
1427	DP 1044B2RF	2.22	1.15	82.9	30.0	6.6	74.5	9.7	4.45	2560	20.86	2.84
1326	PHY 375WRF	2.18	1.20	84.7	30.5	6.0	73.5	9.4	4.40	2485	20.70	3.39
1345	AMERICOT 1550B2RF	2.35	1.15	83.3	29.0	6.2	75.5	10.0	4.70	2447	21.55	3.30
1358	FM 1740B2F	2.35	1.20	84.9	32.0	5.9	76.0	9.2	4.65	2330	21.86	3.29
1411	AT Epic RF	2.35	1.15	84.2	30.0	6.6	74.5	10.0	4.65	2200	19.99	2.91
1344	FM 9058F	2.28	1.20	84.3	31.0	5.5	75.0	8.5	4.50	2494	21.73	2.98
1426	Phytogen 725RF	2.15	1.20	84.7	35.0	6.3	70.5	9.4	4.25	1885	20.74	3.30
.	LSD	0.31	0.09	1.3	2.0	0.7	2.1	0.4	0.81	361	2.03	0.45

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.71	0.47	1.18	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.78	0.59	1.37	404	24.0	1.64	88	50.92	4.87	3.1
1427	DP 1044B2RF	0.60	0.37	0.97	.	.	.	.	.	.	.
1326	PHY 375WRF	0.71	0.55	1.26	448	22.3	1.60	90	44.83	3.87	2.8
1345	AMERICOT 1550B2RF	0.49	0.36	0.85	.	.	.	.	.	.	.
1358	FM 1740B2F	0.58	0.47	1.05	.	.	.	.	.	.	.
1411	AT Epic RF	0.80	0.56	1.36	.	.	.	.	.	.	.
1344	FM 9058F	0.42	0.47	0.88	438	18.5	1.52	93	43.39	3.83	3.0
1426	Phytogen 725RF	0.58	0.46	1.04	468	24.3	1.65	88	44.26	3.68	2.6
.	LSD	0.18	0.18	0.32	57.3	8.6	0.20	7	1.57	0.61	0.5

LOCATION=WESLACO, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1404	PHY 499WRF	1923	4.37	44.2	7.4	55	1.13	0.51	210	8.0
1412	DP 0912B2RF	1763	4.63	41.2	8.1	47	1.10	0.51	205	8.0
1345	AMERICOT 1550B2RF	1717	4.11	43.0	7.5	55	1.12	0.51	193	8.0
1326	PHY 375WRF	1678	4.25	41.7	7.2	57	1.12	0.52	197	8.0
1411	AT Epic RF	1674	4.48	42.9	7.3	52	1.11	0.51	199	8.0
1344	FM 9058F	1650	4.87	40.2	8.6	55	1.16	0.50	211	8.0
1427	DP 1044B2RF	1585	3.67	38.2	6.7	51	1.13	0.51	203	8.3
1426	Phytogen 725RF	1478	4.72	39.0	7.9	61	1.18	0.55	244	8.3
.	LSD	320	0.57	1.0	1.1	4	0.02	0.02	14	0.4

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)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1404	PHY 499WRF	2.03	1.10	83.0	31.0	6.9	71.5	7.8	4.00	2426	20.26	3.17
1412	DP 0912B2RF	2.28	1.10	83.1	30.5	6.9	72.5	8.0	4.55	2522	20.46	2.79
1345	AMERICOT 1550B2RF	1.85	1.10	83.5	27.0	6.1	74.0	7.8	3.70	2279	19.76	2.73
1326	PHY 375WRF	1.85	1.10	83.0	28.5	6.1	72.5	7.4	3.60	2353	18.74	2.84
1411	AT Epic RF	1.98	1.10	82.4	28.5	6.8	73.5	8.7	3.90	2226	18.45	2.97
1344	FM 9058F	1.98	1.20	82.5	29.0	5.5	71.5	6.7	3.95	2456	22.44	2.66
1427	DP 1044B2RF	1.73	1.10	82.6	28.0	6.2	74.5	6.8	3.40	2545	16.25	2.68
1426	Phytogen 725RF	1.98	1.20	84.1	35.0	6.9	70.5	7.8	3.95	2298	21.27	2.86
.	LSD	0.31	.	1.2	3.1	0.8	4.4	0.8	0.73	424	2.33	0.39

---GOSSYPOL LEVELS---

---AREALOMETER DATA---

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D (mm2/mm3)	I (mm2/mm3)	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.83	0.49	1.32	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.43	0.33	0.76	442	24.3	1.65	88	46.80	4.10	2.8
1345	AMERICOT 1550B2RF	0.94	0.58	1.52	.	.	.	.	.	.	.
1326	PHY 375WRF	0.68	0.45	1.13	533	42.0	1.99	75	46.76	3.39	2.2
1411	AT Epic RF	0.76	0.48	1.24	.	.	.	.	.	.	.
1344	FM 9058F	0.55	0.50	1.05	476	25.8	1.68	87	44.23	3.59	2.6
1427	DP 1044B2RF	0.65	0.39	1.04	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.65	0.44	1.08	485	22.0	1.60	90	41.27	3.29	2.6
.	LSD	0.21	0.21	0.36	30.3	13.8	0.27	11	4.61	0.27	0.3

LOCATION=BEEVILLE, 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 (%)
1404	PHY 499WRF	1014	4.41	43.5	8.2	51	1.08	0.50	221	8.5
1345	AMERICOT 1550B2RF	1011	4.39	41.4	8.7	47	1.09	0.49	188	8.5
1344	FM 9058F	918	4.50	39.8	8.9	53	1.11	0.48	197	8.0
1326	PHY 375WRF	874	4.02	42.5	7.9	50	1.07	0.48	195	8.0
1427	DP 1044B2RF	836	3.97	40.6	7.9	49	1.08	0.49	207	8.3
1412	DP 0912B2RF	807	4.27	39.3	9.3	49	1.08	0.51	205	8.3
1426	Phytogen 725RF	686	4.54	37.7	9.4	57	1.13	0.51	235	8.5
1411	AT Epic RF	674	4.50	42.6	8.6	48	1.08	0.50	206	8.5
.	LSD	199	0.57	0.4	0.9	3	0.05	0.02	17	1.1

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1404	PHY 499WRF	2.23	1.05	83.2	31.0	6.8	71.5	9.2	4.45	1317	18.80	3.75
1345	AMERICOT 1550B2RF	2.23	1.10	82.2	25.5	5.7	73.5	10.0	4.45	1432	19.45	3.55
1344	FM 9058F	2.03	1.10	82.4	26.5	4.9	74.0	8.2	4.00	1389	19.46	3.60
1326	PHY 375WRF	2.13	1.10	81.6	28.5	6.1	73.0	10.0	4.25	1189	18.49	3.75
1427	DP 1044B2RF	2.23	1.10	81.3	28.5	6.9	73.0	9.5	4.45	1223	19.16	3.53
1412	DP 0912B2RF	2.40	1.10	82.2	30.0	6.7	72.5	9.7	4.80	1244	17.78	3.41
1426	Phytogen 725RF	2.08	1.10	83.1	35.5	6.9	71.5	9.8	4.15	1135	20.29	3.57
1411	AT Epic RF	2.18	1.05	81.4	29.5	6.2	72.5	10.5	4.40	911	17.73	3.64
.	LSD	0.16	0.08	1.1	4.0	0.5	2.7	1.0	0.43	283	1.28	0.34

---GOSSYPOL LEVELS---			---AREALOMETER DATA---								
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.65	0.36	1.01	.	.	.	.	.	.	.

1345 AMERICOT 1550B2RF	0.78	0.43	1.21	.	.	.	.	.	.	.
1344 FM 9058F	0.40	0.34	0.74	478	26.5	1.69	86	44.42	3.59	2.6
1326 PHY 375WRF	0.60	0.38	0.98	462	24.8	1.66	88	44.97	3.76	2.7
1427 DP 1044B2RF	0.69	0.34	1.03	.	.	.	.	.	.	.
1412 DP 0912B2RF	0.55	0.35	0.90	426	24.3	1.64	88	48.51	4.41	2.9
1426 Phytogen 725RF	0.48	0.31	0.79	470	22.5	1.61	89	42.93	3.53	2.6
1411 AT Epic RF	0.55	0.34	0.88	.	.	.	.	.	.	.
. LSD	0.07	0.07	0.10	23.4	7.4	0.16	6	2.40	0.17	0.3

[RETURN TO 2011 NCVT COVER PAGE](#)



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



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# 2011 National Cotton Variety Test

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 HIGH QUALITY REGIONAL COTTON VARIETY TEST

REGIONAL HIGH QUALITY -- OVERALL SUMMARY; COMBINING ALL LOCATIONS  
 VARIETIES COMBINING LOCATIONS

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 (%)
1404	PHY 499WRF	1311	4.68	43.1	9.6	57	1.16	0.55	236	7.4
1326	PHY 375WRF	1258	4.69	41.6	9.8	57	1.16	0.54	227	7.6
1419	ST 4145LLB2	1198	4.58	38.9	9.9	60	1.17	0.55	229	7.4
1398	DP 1032B2RF	1193	4.68	42.5	8.9	58	1.18	0.54	225	7.2
1387	ST 4288B2RF	1176	5.25	37.6	11.0	56	1.17	0.54	225	7.8
1416	ARS 0222-12	1163	5.25	39.2	11.0	54	1.22	0.56	228	7.7
1420	Dyna-Gro 2570B2RF	1163	5.15	41.5	10.0	55	1.15	0.54	222	7.8

1422	MD25-26ne	1156	5.29	38.4	10.6	65	1.23	0.58	246	7.8
1423	MD25-27y	1156	5.13	39.6	10.3	68	1.18	0.57	251	7.4
1415	ARK 0219-15	1154	5.35	40.5	11.0	56	1.18	0.55	229	7.6
1399	DP 1034B2RF	1127	4.56	43.3	9.2	54	1.16	0.55	225	7.4
1418	TAMCOT 73	1111	4.97	37.8	10.5	62	1.19	0.57	249	7.1
1425	MD25-87y	1107	5.39	37.5	11.5	66	1.19	0.56	283	7.1
1421	LA35RS	1083	5.54	37.2	11.4	61	1.21	0.56	234	7.7
1403	PHX 4912WRF	1082	4.26	38.2	9.8	61	1.22	0.56	237	7.6
1382	FM 1845LLB2	1078	5.13	38.0	11.0	61	1.20	0.56	241	7.1
1344	FM 9058F	1074	4.99	38.9	11.1	62	1.19	0.54	231	7.3
1389	PHY 565WRF	1073	4.15	39.7	9.5	59	1.18	0.55	239	7.8
1424	MD25-42y	1052	5.47	36.4	11.7	70	1.25	0.59	275	7.3
1413	FM 9170B2F	1043	4.63	39.6	10.4	65	1.19	0.55	237	7.2
1417	UA 48	909	5.27	37.3	11.9	70	1.27	0.59	266	7.3
1401	TAM 04WB-33s	896	4.72	35.4	11.2	69	1.25	0.59	262	6.9
.	LSD	117	0.27	0.9	0.5	4	0.03	0.01	13	0.6

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

VARIETY	VARIETY	MICRO-	2.5%	UNIFO-	STRE-		COLORIMETER		MICRO-	SEED		NITR
CODE	NAME	NAIRE	S.L.	MITY	NGTH	E	HUNTER'S	NAIRE	NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)		Rd	b	(Reading)	(lb/ac)	(%)	(%)
1404	PHY 499WRF	2.33	1.18	84.0	34.2	7.5	73.6	7.9	4.70	1723	19.46	3.67
1326	PHY 375WRF	2.25	1.15	83.3	31.9	6.6	74.7	7.7	4.55	1773	20.23	3.78
1419	ST 4145LLB2	2.16	1.18	83.9	33.3	6.3	74.5	7.6	4.33	1898	19.69	3.68
1398	DP 1032B2RF	2.23	1.19	83.8	32.8	6.4	75.9	7.9	4.46	1596	15.61	3.95
1387	ST 4288B2RF	2.31	1.17	83.7	30.9	6.5	74.6	8.1	4.66	1937	21.14	3.54
1416	ARS 0222-12	2.30	1.21	84.7	32.3	7.2	75.1	7.9	4.63	1793	21.71	3.62
1420	Dyna-Gro 2570B2RF	2.32	1.15	83.5	30.9	7.1	74.4	8.6	4.69	1596	19.40	3.48
1422	MD25-26ne	2.21	1.25	85.2	36.1	6.8	75.6	7.7	4.41	1861	20.76	3.78
1423	MD25-27y	2.18	1.18	84.6	36.3	6.5	75.7	7.6	4.35	1750	21.09	3.79
1415	ARK 0219-15	2.30	1.18	83.7	33.5	7.2	73.7	8.6	4.63	1696	21.53	3.85
1399	DP 1034B2RF	2.35	1.17	84.2	34.4	7.1	74.9	8.3	4.73	1447	14.83	4.13
1418	TAMCOT 73	2.24	1.19	84.5	37.6	6.9	74.5	7.4	4.51	1827	21.62	3.68
1425	MD25-87y	2.21	1.21	84.8	40.4	6.8	75.3	7.8	4.44	1841	20.46	3.70
1421	LA35RS	2.25	1.21	84.7	35.0	7.0	73.8	8.5	4.52	1817	20.36	3.59
1403	PHX 4912WRF	2.13	1.24	84.8	34.0	6.7	75.9	7.4	4.29	1729	20.27	3.55
1382	FM 1845LLB2	2.27	1.21	84.7	35.2	6.7	75.6	7.5	4.58	1745	21.25	3.45
1344	FM 9058F	2.17	1.18	83.3	31.9	5.7	76.3	7.4	4.35	1682	20.43	3.55
1389	PHY 565WRF	2.18	1.18	84.4	33.9	7.2	74.7	8.2	4.37	1603	18.41	3.66
1424	MD25-42y	2.20	1.25	86.1	39.2	6.8	75.6	7.6	4.40	1858	21.17	3.75
1413	FM 9170B2F	2.11	1.19	83.7	34.0	6.4	77.3	7.5	4.19	1576	21.59	3.52
1417	UA 48	2.44	1.28	86.3	41.3	6.9	75.4	7.7	4.94	1477	21.03	3.52
1401	TAM 04WB-33s	2.05	1.25	85.8	39.3	7.0	75.9	7.9	4.08	1629	21.56	3.66

. LSD 0.10 0.03 0.6 1.3 0.2 1.1 0.4 0.21 198 0.86 0.16

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.62	0.39	1.01	431	23.4	1.61	89	46.99	4.23	3.0
1326	PHY 375WRF	0.58	0.43	1.01	442	21.3	1.57	90	44.62	3.93	2.9
1419	ST 4145LLB2	0.72	0.47	1.19	455	26.4	1.67	87	46.14	3.95	2.8
1398	DP 1032B2RF	0.53	0.40	0.94	447	22.7	1.60	89	45.19	3.95	2.8
1387	ST 4288B2RF	0.79	0.46	1.25	433	24.5	1.63	88	47.40	4.26	2.9
1416	ARS 0222-12	0.61	0.39	1.00	437	20.1	1.54	91	44.49	3.98	2.9
1420	Dyna-Gro 2570B2RF	0.74	0.48	1.22	436	24.2	1.62	89	46.59	4.17	3.0
1422	MD25-26ne	0.64	0.51	1.14	451	23.8	1.62	89	45.18	3.91	2.8
1423	MD25-27y	0.61	0.52	1.13	457	21.9	1.58	90	43.38	3.70	2.8
1415	ARK 0219-15	0.63	0.41	1.04	436	23.1	1.61	89	46.43	4.17	2.9
1399	DP 1034B2RF	0.58	0.40	0.97	430	23.6	1.62	89	47.11	4.25	3.0
1418	TAMCOT 73	0.58	0.41	1.00	440	24.4	1.63	88	46.47	4.10	2.9
1425	MD25-87y	0.63	0.55	1.18	452	23.8	1.62	88	45.05	3.88	2.8
1421	LA35RS	0.62	0.43	1.04	444	25.4	1.65	87	46.72	4.11	2.8
1403	PHX 4912WRF	0.73	0.45	1.18	463	23.9	1.63	88	44.09	3.71	2.7
1382	FM 1845LLB2	0.57	0.42	0.99	443	21.0	1.56	91	44.34	3.91	2.9
1344	FM 9058F	0.39	0.39	0.77	450	19.3	1.52	92	42.43	3.66	2.9
1389	PHY 565WRF	0.64	0.42	1.06	462	27.7	1.69	86	45.81	3.84	2.7
1424	MD25-42y	0.65	0.50	1.15	449	24.0	1.62	89	45.31	3.92	2.8
1413	FM 9170B2F	0.61	0.41	1.02	474	24.5	1.63	88	43.25	3.59	2.7
1417	UA 48	0.58	0.42	1.00	415	16.6	1.46	95	44.08	4.12	3.2
1401	TAM 04WB-33s	0.56	0.37	0.93	485	27.3	1.69	86	44.06	3.58	2.6
. LSD		0.04	0.04	0.07	16.5	4.0	0.08	3	1.69	0.21	0.2

-----REGION=HIGH QUALITY---SUB REGION 71-----

VARIETIES COMBINING 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 (%)

1404	PHY 499WRF	1398	4.66	42.7	9.7	59	1.17	0.56	243	7.6
1398	DP 1032B2RF	1324	4.60	42.3	8.8	59	1.18	0.54	229	7.3
1326	PHY 375WRF	1311	4.66	41.2	9.9	58	1.16	0.54	224	7.7
1416	ARS 0222-12	1282	5.26	38.5	11.3	56	1.23	0.57	233	7.9
1423	MD25-27y	1264	4.96	38.9	10.5	70	1.18	0.57	250	7.3
1399	DP 1034B2RF	1245	4.47	43.2	9.2	56	1.17	0.56	230	7.5
1420	Dyna-Gro 2570B2RF	1242	5.16	41.2	10.1	57	1.16	0.55	227	7.8
1387	ST 4288B2RF	1238	5.19	36.8	11.6	57	1.18	0.55	229	7.7
1419	ST 4145LLB2	1234	4.55	38.1	10.0	60	1.18	0.56	230	7.2
1422	MD25-26ne	1225	5.27	37.8	10.8	67	1.25	0.59	248	7.8
1415	ARK 0219-15	1218	5.34	39.9	11.3	58	1.20	0.56	232	7.7
1425	MD25-87y	1205	5.35	36.9	11.8	66	1.21	0.57	291	6.9
1403	PHX 4912WRF	1180	4.17	38.0	9.8	63	1.24	0.56	241	7.7
1421	LA35RS	1178	5.61	36.8	11.6	63	1.23	0.57	237	7.6
1389	PHY 565WRF	1173	4.09	39.3	9.7	61	1.18	0.56	244	8.0
1418	TAMCOT 73	1170	4.97	37.3	10.8	64	1.20	0.58	251	7.0
1344	FM 9058F	1158	4.86	38.2	11.4	63	1.20	0.55	234	7.3
1382	FM 1845LLB2	1155	5.03	37.4	11.3	62	1.22	0.57	247	7.2
1424	MD25-42y	1142	5.45	35.9	12.2	72	1.26	0.60	278	7.0
1413	FM 9170B2F	1131	4.54	39.1	10.5	65	1.19	0.55	239	7.2
1401	TAM 04WB-33s	980	4.64	34.9	11.4	71	1.27	0.60	270	6.8
1417	UA 48	972	5.24	36.9	12.3	71	1.28	0.59	271	7.4
.	LSD	134	0.32	1.1	0.5	5	0.02	0.02	15	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 (%)
1404	PHY 499WRF	2.33	1.18	84.2	34.4	7.4	74.2	8.0	4.67	1872	19.73	3.67
1398	DP 1032B2RF	2.19	1.20	83.9	33.0	6.3	76.7	8.1	4.36	1806	15.42	3.89
1326	PHY 375WRF	2.23	1.15	83.3	31.3	6.5	75.1	7.7	4.51	1885	20.19	3.81
1416	ARS 0222-12	2.27	1.23	85.0	32.3	7.0	75.9	7.9	4.53	2049	21.71	3.59
1423	MD25-27y	2.13	1.18	84.5	36.3	6.4	76.3	7.7	4.25	1976	21.02	3.66
1399	DP 1034B2RF	2.31	1.18	84.6	34.3	6.9	75.3	8.4	4.63	1621	14.76	3.98
1420	Dyna-Gro 2570B2RF	2.29	1.15	83.8	31.6	7.1	75.3	8.8	4.63	1726	19.06	3.41
1387	ST 4288B2RF	2.29	1.18	84.0	30.8	6.4	75.7	8.3	4.59	2105	21.33	3.52
1419	ST 4145LLB2	2.13	1.18	84.3	33.2	6.3	75.0	7.8	4.25	2025	19.27	3.60
1422	MD25-26ne	2.18	1.27	85.6	36.1	6.7	76.0	7.7	4.35	2026	20.94	3.73
1415	ARK 0219-15	2.30	1.19	84.0	33.8	7.1	73.8	8.7	4.62	1841	22.10	3.83
1425	MD25-87y	2.21	1.23	85.2	41.1	6.8	76.1	7.9	4.43	2078	20.60	3.59
1403	PHX 4912WRF	2.10	1.25	85.0	33.8	6.6	76.6	7.4	4.19	1918	20.26	3.57
1421	LA35RS	2.23	1.24	85.0	35.3	6.9	74.3	8.7	4.44	2021	20.54	3.49
1389	PHY 565WRF	2.18	1.18	84.4	33.6	7.1	74.8	8.4	4.35	1786	18.26	3.61
1418	TAMCOT 73	2.28	1.19	84.7	38.0	6.8	75.1	7.3	4.56	1970	21.84	3.67

1344 FM 9058F	2.16	1.18	83.6	32.3	5.7	76.9	7.3	4.33	1868	20.20	3.52
1382 FM 1845LLB2	2.29	1.23	84.9	35.3	6.5	76.3	7.5	4.60	1931	22.03	3.37
1424 MD25-42y	2.18	1.27	86.3	38.6	6.7	76.4	7.6	4.36	2073	21.34	3.70
1413 FM 9170B2F	2.07	1.19	83.6	33.8	6.3	78.2	7.5	4.08	1747	21.56	3.49
1401 TAM 04WB-33s	1.95	1.28	86.3	39.6	6.9	76.9	8.1	3.89	1806	21.60	3.54
1417 UA 48	2.45	1.28	86.5	41.8	6.9	75.8	7.8	4.94	1598	21.28	3.46
. LSD	0.11	0.03	0.7	1.3	0.2	1.2	0.5	0.23	249	0.85	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)
1404 PHY 499WRF		0.61	0.39	1.00	433	22.1	1.58	90	45.74	4.09	3.0
1398 DP 1032B2RF		0.52	0.41	0.93	457	22.1	1.59	90	43.70	3.72	2.8
1326 PHY 375WRF		0.57	0.43	1.00	450	21.6	1.57	90	43.90	3.79	2.9
1416 ARS 0222-12		0.61	0.40	1.01	445	19.8	1.54	92	43.44	3.80	2.9
1423 MD25-27y		0.60	0.53	1.13	464	21.5	1.57	90	42.36	3.55	2.8
1399 DP 1034B2RF		0.59	0.41	1.00	434	23.5	1.61	89	46.50	4.15	2.9
1420 Dyna-Gro 2570B2RF		0.72	0.49	1.21	444	24.2	1.61	89	45.41	3.98	3.0
1387 ST 4288B2RF		0.79	0.45	1.24	438	23.7	1.61	89	46.13	4.08	2.9
1419 ST 4145LLB2		0.73	0.49	1.23	465	27.6	1.70	86	45.93	3.86	2.7
1422 MD25-26ne		0.64	0.54	1.18	458	24.0	1.62	89	44.28	3.75	2.8
1415 ARK 0219-15		0.63	0.42	1.05	437	21.9	1.58	90	45.66	4.09	2.9
1425 MD25-87y		0.63	0.57	1.20	456	24.3	1.63	88	45.03	3.84	2.8
1403 PHX 4912WRF		0.74	0.46	1.20	473	23.8	1.62	89	42.96	3.52	2.7
1421 LA35RS		0.61	0.43	1.05	453	25.8	1.66	87	45.84	3.93	2.8
1389 PHY 565WRF		0.63	0.42	1.05	467	27.3	1.68	86	45.07	3.74	2.7
1418 TAMCOT 73		0.58	0.42	1.00	438	22.2	1.59	90	45.38	4.03	2.9
1344 FM 9058F		0.37	0.39	0.76	454	18.5	1.50	93	41.49	3.55	2.9
1382 FM 1845LLB2		0.57	0.43	1.01	443	19.9	1.54	92	43.56	3.83	2.9
1424 MD25-42y		0.65	0.49	1.14	452	22.5	1.59	90	44.03	3.78	2.8
1413 FM 9170B2F		0.61	0.40	1.02	482	24.9	1.64	88	42.53	3.46	2.7
1401 TAM 04WB-33s		0.54	0.36	0.90	500	26.9	1.68	86	42.35	3.30	2.5
1417 UA 48		0.57	0.43	0.99	419	15.3	1.43	96	42.71	3.94	3.2
. LSD		0.05	0.04	0.08	18.8	4.5	0.09	4	1.81	0.21	0.2

-----REGION=HIGH QUALITY SUB REGION 72-----

VARIETY CODE	VARIETY NAME	LINT	BOLL			YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1099	4.76	42.6	9.5	56	1.16	0.53	235	7.1
1419	ST 4145LLB2	1090	4.65	40.7	9.6	59	1.13	0.52	224	7.9
1404	PHY 499WRF	1051	4.74	44.1	9.2	52	1.14	0.54	216	6.6
1387	ST 4288B2RF	990	5.41	39.6	9.9	53	1.12	0.52	211	7.9
1415	ARK 0219-15	961	5.38	42.0	10.5	49	1.14	0.53	219	7.1
1422	MD25-26ne	952	5.32	39.8	10.1	60	1.18	0.53	241	8.0
1418	TAMCOT 73	937	4.96	39.2	10.0	58	1.17	0.55	241	7.3
1420	Dyna-Gro 2570B2RF	925	5.14	42.4	9.8	49	1.12	0.51	209	7.9
1382	FM 1845LLB2	850	5.38	39.6	10.4	56	1.17	0.53	223	6.9
1423	MD25-27y	833	5.58	41.4	9.9	64	1.18	0.55	254	7.8
1344	FM 9058F	821	5.32	40.5	10.5	56	1.18	0.52	224	7.3
1425	MD25-87y	813	5.47	39.2	11.0	65	1.14	0.53	258	7.5
1416	ARS 0222-12	808	5.22	41.1	10.5	50	1.17	0.52	211	7.1
1398	DP 1032B2RF	802	4.87	42.9	9.1	55	1.16	0.52	214	7.0
1421	LA35RS	800	5.37	38.3	10.8	56	1.15	0.54	223	8.1
1403	PHX 4912WRF	789	4.48	38.7	9.7	58	1.18	0.54	225	7.3
1424	MD25-42y	785	5.52	37.7	10.7	65	1.20	0.56	265	7.9
1413	FM 9170B2F	782	4.85	40.8	10.0	63	1.18	0.54	231	7.1
1389	PHY 565WRF	774	4.29	40.7	9.3	53	1.19	0.54	225	7.0
1399	DP 1034B2RF	774	4.78	43.7	9.2	50	1.13	0.52	212	7.0
1417	UA 48	721	5.36	38.2	11.2	66	1.25	0.57	250	7.0
1401	TAM 04WB-33s	687	4.93	36.8	10.7	65	1.21	0.56	246	7.1
.	LSD	272	0.61	1.3	0.8	6	0.08	0.03	24	1.1

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

VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)		SEED YIELD (lb/ac)	NITR OGEN (%)						
			2.5% S.L. (in.)	UNIFO- MITY (%)								
			STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S b	MICRO- NAIRE (Reading)	OIL (%)					
1326	PHY 375WRF	2.33	1.15	83.4	33.5	7.2	73.5	7.8	4.68	1493	20.32	3.68
1419	ST 4145LLB2	2.26	1.15	82.7	33.5	6.6	73.0	7.0	4.55	1582	20.74	3.89
1404	PHY 499WRF	2.33	1.15	83.7	33.5	7.9	71.8	7.7	4.80	1351	18.79	3.67
1387	ST 4288B2RF	2.39	1.15	82.9	31.3	6.7	71.5	7.8	4.88	1516	20.67	3.57
1415	ARK 0219-15	2.33	1.13	82.8	32.5	7.4	73.5	8.5	4.68	1332	20.11	3.89
1422	MD25-26ne	2.29	1.20	84.3	36.0	7.2	74.3	7.8	4.60	1447	20.31	3.93
1418	TAMCOT 73	2.13	1.18	84.1	36.3	7.3	72.8	7.4	4.38	1468	21.09	3.71
1420	Dyna-Gro 2570B2RF	2.39	1.15	82.8	29.0	7.1	71.8	8.0	4.88	1272	20.24	3.65
1382	FM 1845LLB2	2.21	1.18	84.1	34.8	7.2	73.8	7.3	4.53	1281	19.31	3.65
1423	MD25-27y	2.31	1.18	84.9	36.5	6.9	73.8	7.4	4.65	1185	21.27	4.12
1344	FM 9058F	2.19	1.18	82.5	30.8	5.9	74.5	7.5	4.40	1217	20.99	3.61
1425	MD25-87y	2.19	1.15	83.5	38.3	6.8	73.0	7.7	4.45	1249	20.11	3.97

1416	ARS 0222-12	2.41	1.18	83.9	32.3	7.6	72.5	7.9	4.93	1154	21.69	3.68
1398	DP 1032B2RF	2.35	1.15	83.4	32.3	6.8	73.8	7.5	4.75	1071	16.07	4.11
1421	LA35RS	2.33	1.13	83.7	34.0	7.1	72.5	8.0	4.75	1306	19.91	3.84
1403	PHX 4912WRF	2.25	1.20	84.1	34.8	6.9	74.0	7.5	4.58	1257	20.29	3.50
1424	MD25-42y	2.26	1.20	85.5	41.0	7.3	73.3	7.6	4.53	1321	20.77	3.87
1413	FM 9170B2F	2.24	1.18	84.1	34.8	6.6	74.5	7.5	4.50	1147	21.66	3.60
1389	PHY 565WRF	2.20	1.20	84.2	34.8	7.6	74.5	7.4	4.43	1146	18.77	3.79
1399	DP 1034B2RF	2.46	1.15	83.1	34.5	7.7	74.0	8.1	5.03	1013	14.99	4.51
1417	UA 48	2.44	1.25	85.6	39.8	7.1	74.3	7.4	4.95	1176	20.40	3.68
1401	TAM 04WB-33s	2.24	1.20	85.0	38.5	7.2	74.0	7.5	4.48	1187	21.50	3.85
.	LSD	0.25	0.10	1.5	3.7	0.7	2.4	0.9	0.48	349	1.82	0.32

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1326	PHY 375WRF	0.61	0.43	1.04	420	20.5	1.56	91	46.78	4.32	3.0	
1419	ST 4145LLB2	0.68	0.43	1.10	427	22.9	1.60	89	46.77	4.23	3.0	
1404	PHY 499WRF	0.65	0.40	1.05	423	27.4	1.71	86	50.73	4.66	2.9	
1387	ST 4288B2RF	0.79	0.47	1.27	416	26.9	1.69	86	51.23	4.80	3.0	
1415	ARK 0219-15	0.62	0.40	1.02	434	26.9	1.69	86	48.74	4.41	2.9	
1422	MD25-26ne	0.62	0.44	1.06	428	23.3	1.62	89	47.88	4.39	2.9	
1418	TAMCOT 73	0.59	0.40	0.99	444	31.1	1.77	83	49.74	4.34	2.8	
1420	Dyna-Gro 2570B2RF	0.79	0.46	1.24	411	24.1	1.64	88	50.14	4.72	3.0	
1382	FM 1845LLB2	0.56	0.38	0.94	441	24.5	1.64	88	46.68	4.16	2.9	
1423	MD25-27y	0.65	0.50	1.14	436	23.0	1.61	89	46.44	4.14	2.9	
1344	FM 9058F	0.41	0.39	0.81	439	21.5	1.58	90	45.25	4.01	2.9	
1425	MD25-87y	0.64	0.51	1.15	441	22.3	1.59	90	45.14	3.97	2.9	
1416	ARS 0222-12	0.61	0.38	1.00	412	20.9	1.57	91	47.63	4.50	3.1	
1398	DP 1032B2RF	0.56	0.40	0.96	417	24.4	1.64	88	49.63	4.64	3.0	
1421	LA35RS	0.64	0.40	1.04	418	24.3	1.64	88	49.37	4.63	3.0	
1403	PHX 4912WRF	0.70	0.43	1.14	433	24.3	1.64	88	47.49	4.30	3.0	
1424	MD25-42y	0.67	0.52	1.19	441	28.3	1.72	85	49.18	4.35	2.8	
1413	FM 9170B2F	0.62	0.41	1.03	448	23.5	1.62	89	45.38	3.99	2.9	
1389	PHY 565WRF	0.67	0.41	1.08	449	29.0	1.73	85	48.02	4.13	2.8	
1399	DP 1034B2RF	0.56	0.36	0.92	418	24.0	1.63	88	48.91	4.55	3.0	
1417	UA 48	0.60	0.41	1.01	406	20.5	1.56	91	48.19	4.65	3.2	
1401	TAM 04WB-33s	0.58	0.39	0.97	454	28.3	1.71	85	47.47	4.12	2.8	
.	LSD	0.11	0.09	0.18	38.6	8.8	0.18	7	4.52	0.64	0.3	

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
COLLEGE STATION, TX	1766	4.92	39.2	10.7	57	1.20	0.55	234	7.8
STONEVILLE, MS	1182	5.07	39.8	11.1	76	1.23	0.64	259	5.5
PORTAGEVILLE, MO	1151	.	.	.	63	1.21	0.57	251	7.4
KEISER, AR	1059	4.31	36.3	11.0	63	1.25	0.57	245	8.1
LUBBOCK, TX	1054	4.84	38.6	10.2	56	1.15	0.52	244	8.0
LAS CRUCES, NM	1002	5.43	39.6	.	60	1.19	0.55	232	7.9
BELLE MINA, AL	935	4.59	38.7	10.1	58	1.23	0.57	239	8.0
FLORENCE, SC	796	5.57	42.2	10.0	56	1.10	0.50	220	6.8

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

LOCATION	MICRO-	2.5%	UNIFO-	STRE-	E	COLORIMETER		MICRO-	SEED	OIL	NITR
	NAIRE	S.L.	MITY	NGTH		HUNTER'S	NAIRE	YIELD	OGEN		
	(reading)	(in.)	(%)	(g/tex)		Rd	b	(Reading)	(lb/ac)	(%)	(%)
COLLEGE STATION, TX	2.32	1.22	85.1	33.6	6.4	74.8	9.1	4.62	2733	22.05	2.90
STONEVILLE, MS	2.30	1.23	85.6	35.8	7.0	74.8	7.5	4.61	1787	.	.
PORTAGEVILLE, MO	2.15	1.23	84.8	34.6	6.7	73.6	6.5	4.24	.	19.14	3.95
KEISER, AR	1.82	1.23	85.5	36.9	6.4	77.3	7.3	3.66	1750	19.19	3.48
LUBBOCK, TX	2.51	1.15	82.9	34.5	6.7	77.6	9.0	5.10	1688	20.34	3.76
LAS CRUCES, NM	2.23	1.18	83.9	34.1	6.9	76.3	8.1	4.45	1526	20.25	4.05
BELLE MINA, AL	2.07	1.23	85.1	34.0	7.2	76.7	8.0	4.13	1471	19.98	3.59
FLORENCE, SC	2.52	1.11	82.6	35.3	6.9	70.1	7.3	5.18	1089	20.02	4.02

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS	MINUS	TOTAL	A	D	I	M	p	w	t
	(+)	(-)	(%)	---(mm2/mm3)---			(%)	(microns)	(mg/in)	(microns)
COLLEGE STATION, TX	0.75	0.56	1.32	433	21.6	1.58	90	45.96	4.12	2.9
STONEVILLE, MS	.	.	.	443	6.8	1.21	104	34.35	3.01	3.3
PORTAGEVILLE, MO	0.60	0.43	1.03	456	31.3	1.78	82	49.00	4.16	2.7
KEISER, AR	0.61	0.45	1.06	519	35.4	1.86	79	45.06	3.37	2.3
LUBBOCK, TX	0.56	0.40	0.95	411	18.3	1.51	93	46.15	4.35	3.1
LAS CRUCES, NM	0.56	0.38	0.94	449	23.8	1.63	88	45.57	3.93	2.8
BELLE MINA, AL	0.70	0.48	1.17	466	31.4	1.78	82	48.20	4.02	2.6
FLORENCE, SC	0.56	0.37	0.93	394	17.9	1.50	93	47.87	4.71	3.3



VARIETIES COMBINING LOCATIONS  
 LOCATION=LUBBOCK, TX

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1401	TAM 04WB-33s	1249	4.60	34.4	10.0	.	.	.	.	.
1387	ST 4288B2RF	1221	4.98	37.2	10.6	50	1.12	0.51	226	8.0
1419	ST 4145LLB2	1179	4.17	37.4	9.7	57	1.13	0.52	228	8.0
1421	LA35RS	1157	6.27	36.5	11.5	58	1.18	0.53	273	8.3
1416	ARS 0222-12	1122	5.60	38.6	11.1	50	1.18	0.52	229	8.0
1382	FM 1845LLB2	1121	4.85	37.7	10.4	56	1.17	0.52	240	8.0
1423	MD25-27y	1086	5.03	38.0	10.1	63	1.15	0.53	262	8.0
1415	ARK 0219-15	1081	5.40	39.7	11.1	53	1.15	0.51	229	8.0
1398	DP 1032B2RF	1070	4.60	42.1	8.6	53	1.12	0.51	235	8.0
1424	MD25-42y	1067	5.27	38.1	11.1	64	1.20	0.55	295	8.0
1404	PHY 499WRF	1062	4.65	41.8	9.6	51	1.11	0.51	246	8.0
1403	PHX 4912WRF	1037	3.90	37.4	9.3	55	1.17	0.52	213	8.0
1413	FM 9170B2F	1031	4.33	40.6	9.9	56	1.13	0.51	226	8.0
1399	DP 1034B2RF	1024	4.10	43.0	8.9	49	1.12	0.52	229	8.0
1420	Dyna-Gro 2570B2RF	1022	5.15	41.4	9.6	47	1.12	0.51	228	8.0
1425	MD25-87y	1021	5.10	36.2	11.6	69	1.18	0.53	321	7.3
1418	TAMCOT 73	1018	4.73	36.5	10.5	56	1.16	0.53	244	8.0
1422	MD25-26ne	1016	5.05	38.3	10.1	60	1.20	0.53	264	8.5
1389	PHY 565WRF	993	4.08	38.5	9.2	51	1.13	0.52	242	8.0
1326	PHY 375WRF	985	4.60	41.0	9.2	54	1.12	0.49	232	8.0
1344	FM 9058F	938	4.90	37.8	10.4	56	1.13	0.50	233	8.0
1417	UA 48	697	5.05	36.3	11.5	69	1.24	0.54	240	8.0
.	LSD	276	0.62	1.4	0.8	5	0.03	0.02	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)	SEED INDEX E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1401	TAM 04WB-33s	.	.	.	.	.	.	.	2378	.	.

1387	ST 4288B2RF	2.53	1.10	82.0	29.5	6.4	76.5	9.3	5.20	2056	21.48	3.70
1419	ST 4145LLB2	2.50	1.10	82.8	34.0	6.2	78.0	9.0	5.10	1968	19.91	3.77
1421	LA35RS	2.60	1.20	83.6	35.5	6.7	75.5	9.7	5.25	2004	21.72	3.69
1416	ARS 0222-12	2.63	1.20	83.4	31.0	7.0	78.0	9.0	5.35	1778	23.44	3.78
1382	FM 1845LLB2	2.50	1.20	83.3	36.0	6.7	78.5	8.9	5.10	1847	21.79	3.43
1423	MD25-27y	2.35	1.20	82.3	35.0	6.2	79.0	8.7	4.70	1773	20.98	3.79
1415	ARK 0219-15	2.58	1.15	82.8	35.0	7.3	75.0	9.6	5.35	1641	22.11	3.88
1398	DP 1032B2RF	2.50	1.10	82.1	33.0	6.3	78.0	9.1	5.10	1465	16.37	4.19
1424	MD25-42y	2.50	1.20	85.1	38.5	6.8	78.5	8.6	5.10	1735	22.77	3.69
1404	PHY 499WRF	2.50	1.10	82.3	34.5	7.6	77.0	9.1	5.05	1475	19.04	3.94
1403	PHX 4912WRF	2.25	1.20	82.5	34.0	6.7	80.0	8.4	4.60	1737	20.34	3.77
1413	FM 9170B2F	2.45	1.10	81.2	32.0	6.5	80.0	8.6	5.00	1502	21.77	3.78
1399	DP 1034B2RF	2.63	1.10	82.6	34.0	7.2	77.0	9.4	5.35	1356	14.71	4.10
1420	Dyna-Gro 2570B2RF	2.60	1.10	83.1	31.0	7.0	75.0	9.7	5.40	1445	19.72	3.56
1425	MD25-87y	2.48	1.20	83.9	40.0	6.7	77.0	9.2	5.00	1801	20.35	3.65
1418	TAMCOT 73	2.55	1.15	83.2	38.5	6.8	77.0	8.8	5.15	1769	22.06	3.61
1422	MD25-26ne	2.50	1.20	83.5	36.0	6.7	78.0	8.9	5.05	1639	21.03	3.88
1389	PHY 565WRF	2.48	1.10	82.7	33.0	7.3	78.0	9.3	5.00	1587	18.63	4.01
1326	PHY 375WRF	2.48	1.10	81.3	30.5	6.3	77.0	9.0	5.05	1416	19.01	3.94
1344	FM 9058F	2.45	1.10	81.5	30.0	5.7	79.0	8.5	5.00	1542	18.47	3.35
1417	UA 48	2.60	1.20	85.2	43.0	7.0	78.0	8.9	5.30	1221	21.43	3.48
.	LSD	0.08	0.07	1.9	2.6	0.4	1.7	0.3	0.24	405	1.78	0.33

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1401	TAM 04WB-33s	.	.	.	.	.	.	.	.	.	.	.
1387	ST 4288B2RF	0.72	0.40	1.11	402	19.3	1.54	92	47.94	4.61	3.1	
1419	ST 4145LLB2	0.66	0.44	1.10	412	20.5	1.56	91	47.60	4.46	3.0	
1421	LA35RS	0.55	0.41	0.96	405	20.0	1.55	92	47.96	4.58	3.1	
1416	ARS 0222-12	0.58	0.36	0.94	397	16.3	1.46	94	46.28	4.51	3.3	
1382	FM 1845LLB2	0.58	0.43	1.01	408	17.0	1.48	94	45.56	4.31	3.2	
1423	MD25-27y	0.48	0.44	0.92	432	22.0	1.60	89	46.41	4.15	2.9	
1415	ARK 0219-15	0.61	0.39	1.00	398	18.8	1.53	93	48.03	4.67	3.2	
1398	DP 1032B2RF	0.47	0.37	0.84	408	19.3	1.54	92	47.15	4.47	3.1	
1424	MD25-42y	0.65	0.49	1.14	412	14.3	1.42	97	43.13	4.05	3.2	
1404	PHY 499WRF	0.52	0.33	0.85	419	21.0	1.58	91	47.13	4.35	3.0	
1403	PHX 4912WRF	0.70	0.42	1.11	436	19.0	1.53	92	43.87	3.89	2.9	
1413	FM 9170B2F	0.58	0.37	0.95	419	19.5	1.54	92	46.15	4.26	3.0	
1399	DP 1034B2RF	0.51	0.37	0.88	401	22.3	1.60	90	50.09	4.83	3.1	
1420	Dyna-Gro 2570B2RF	0.71	0.46	1.17	389	17.0	1.48	94	47.84	4.76	3.3	
1425	MD25-87y	0.50	0.46	0.96	413	19.5	1.54	92	46.73	4.38	3.1	
1418	TAMCOT 73	0.53	0.37	0.90	406	17.3	1.49	94	46.10	4.40	3.2	
1422	MD25-26ne	0.61	0.51	1.12	415	17.5	1.49	94	45.21	4.22	3.1	

1389	PHY 565WRF	0.54	0.35	0.89	426	20.0	1.55	92	45.55	4.13	3.0
1326	PHY 375WRF	0.45	0.33	0.78	415	17.5	1.50	94	45.26	4.22	3.1
1344	FM 9058F	0.31	0.34	0.65	408	13.0	1.39	97	42.62	4.04	3.2
1417	UA 48	0.45	0.35	0.80	407	13.0	1.39	97	42.66	4.05	3.2
.	LSD	0.10	0.10	0.15	18.0	9.7	0.22	9	5.53	0.46	0.3

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 (%)
1398	DP 1032B2RF	2115	4.74	43.1	8.9	54	1.19	0.53	204	8.0
1416	ARS 0222-12	2055	5.29	37.5	10.8	51	1.21	0.55	205	8.0
1326	PHY 375WRF	2000	4.72	41.4	10.2	52	1.16	0.52	219	8.0
1418	TAMCOT 73	1995	5.17	37.8	10.8	56	1.21	0.56	242	7.0
1404	PHY 499WRF	1972	4.59	43.7	9.3	57	1.18	0.54	244	7.5
1422	MD25-26ne	1954	5.38	38.7	11.1	62	1.24	0.57	230	8.3
1423	MD25-27y	1946	4.80	39.5	10.4	66	1.19	0.56	229	8.0
1387	ST 4288B2RF	1888	5.23	37.3	11.4	53	1.18	0.53	231	8.0
1415	ARK 0219-15	1815	5.54	41.0	11.2	51	1.19	0.54	209	8.3
1403	PHX 4912WRF	1779	3.99	39.3	9.7	57	1.24	0.55	242	7.8
1399	DP 1034B2RF	1775	4.82	42.5	8.8	53	1.16	0.54	221	8.0
1425	MD25-87y	1771	5.29	38.0	11.6	65	1.23	0.57	275	8.0
1420	Dyna-Gro 2570B2R F	1745	5.23	42.1	10.2	52	1.15	0.55	207	8.8
1419	ST 4145LLB2	1708	4.49	38.3	10.4	54	1.19	0.56	241	7.0
1382	FM 1845LLB2	1708	5.04	38.4	11.5	56	1.20	0.54	240	7.3
1421	LA35RS	1696	5.17	37.9	11.5	57	1.22	0.57	230	8.0
1344	FM 9058F	1661	4.99	38.7	11.2	61	1.18	0.53	218	7.5
1389	PHY 565WRF	1650	3.92	40.7	9.2	56	1.18	0.55	249	8.8
1413	FM 9170B2F	1570	4.88	38.8	10.6	62	1.21	0.56	239	7.3
1424	MD25-42y	1550	5.57	35.2	12.4	66	1.25	0.58	267	8.0
1417	UA 48	1405	4.81	38.3	12.0	64	1.27	0.57	243	7.5
1401	TAM 04WB-33s	1096	4.62	35.0	12.0	65	1.29	0.58	265	7.5
.	LSD	234	0.65	1.7	1.0	4	0.02	0.03	14	0.5

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

MICRO- 2.5% UNIFO- STRE- COLORIMETER MICRO- SEED NITR

VARIETY CODE	VARIETY NAME	NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	HUNTER'S Rd	NAIRE b (Reading)	YIELD (lb/ac)	OIL (%)	OGEN (%)	
1398	DP 1032B2RF	2.30	1.20	84.7	30.5	5.9	76.5	9.6	4.55	2795	18.06	3.10
1416	ARS 0222-12	2.43	1.20	84.6	31.0	7.1	76.0	9.2	4.75	3438	23.47	2.78
1326	PHY 375WRF	2.33	1.20	83.9	29.5	6.1	74.5	9.7	4.65	2836	22.39	3.23
1418	TAMCOT 73	2.35	1.20	85.0	35.0	6.6	72.0	8.5	4.75	3284	23.51	3.02
1404	PHY 499WRF	2.43	1.20	85.0	34.0	7.0	72.0	9.3	4.85	2541	21.63	2.91
1422	MD25-26ne	2.28	1.30	86.7	35.0	6.3	74.5	8.9	4.55	3095	22.75	3.00
1423	MD25-27y	2.23	1.20	85.6	34.5	6.0	76.0	8.5	4.45	2978	23.26	2.83
1387	ST 4288B2RF	2.35	1.20	84.0	30.5	6.2	74.5	9.3	4.65	3174	22.92	2.87
1415	ARK 0219-15	2.50	1.20	84.3	33.0	6.8	73.5	9.9	4.95	2597	23.88	3.15
1403	PHX 4912WRF	2.20	1.25	85.4	32.0	6.3	76.5	8.1	4.35	2751	20.71	2.74
1399	DP 1034B2RF	2.35	1.20	85.1	33.0	6.6	73.0	10.0	4.65	2393	16.62	3.18
1425	MD25-87y	2.30	1.20	85.8	39.5	6.7	74.0	9.5	4.70	2904	23.18	2.69
1420	Dyna-Gro 2570B2RF	2.58	1.15	84.1	29.0	6.8	76.5	10.5	5.15	2419	20.85	2.52
1419	ST 4145LLB2	2.13	1.20	85.8	31.5	5.8	71.5	8.9	4.20	2744	20.95	2.94
1382	FM 1845LLB2	2.43	1.20	85.0	34.0	6.3	76.0	8.5	4.85	2735	24.27	2.51
1421	LA35RS	2.33	1.20	85.7	34.5	6.6	73.5	9.6	4.65	2775	22.07	2.79
1344	FM 9058F	2.30	1.20	82.7	33.0	5.7	77.0	8.5	4.60	2635	21.91	3.01
1389	PHY 565WRF	2.28	1.20	85.0	32.5	6.9	74.0	9.9	4.50	2400	19.94	3.04
1413	FM 9170B2F	2.13	1.20	84.3	33.0	5.8	77.0	8.7	4.20	2482	23.19	2.78
1424	MD25-42y	2.18	1.30	87.4	38.0	6.5	74.0	8.2	4.30	2857	22.24	3.26
1417	UA 48	2.58	1.30	86.3	38.5	6.7	75.5	9.1	5.25	2258	23.94	2.73
1401	TAM 04WB-33s	2.05	1.30	87.2	38.5	6.8	76.5	9.0	4.05	2031	23.42	2.83
.	LSD	0.14	0.04	1.6	2.5	0.4	2.0	0.8	0.35	374	1.39	0.35

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1398	DP 1032B2RF	0.62	0.53	1.15	444	19.8	1.55	92	43.67	3.81	2.9
1416	ARS 0222-12	0.73	0.49	1.22	429	20.8	1.56	91	45.62	4.12	3.0
1326	PHY 375WRF	0.72	0.54	1.26	434	22.5	1.61	89	46.53	4.15	2.9
1418	TAMCOT 73	0.71	0.56	1.27	420	22.5	1.61	89	48.04	4.42	3.0
1404	PHY 499WRF	0.77	0.49	1.26	414	23.0	1.62	89	49.18	4.61	3.0
1422	MD25-26ne	0.78	0.67	1.45	438	20.8	1.57	91	44.95	3.97	2.9
1423	MD25-27y	0.81	0.77	1.57	440	16.3	1.47	95	41.80	3.68	2.9
1387	ST 4288B2RF	0.97	0.54	1.51	433	24.8	1.66	88	47.91	4.28	2.9
1415	ARK 0219-15	0.74	0.51	1.25	407	23.3	1.62	88	50.17	4.78	3.0
1403	PHX 4912WRF	0.83	0.56	1.39	461	21.3	1.58	90	43.01	3.60	2.7
1399	DP 1034B2RF	0.71	0.52	1.23	426	20.8	1.57	91	46.35	4.23	2.9
1425	MD25-87y	0.86	0.82	1.68	435	23.5	1.63	89	47.04	4.19	2.9
1420	Dyna-Gro 2570B2RF	0.92	0.66	1.58	409	20.8	1.57	91	48.14	4.55	3.1
1419	ST 4145LLB2	0.91	0.63	1.53	446	23.0	1.62	89	45.60	3.96	2.8

1382	FM 1845LLB2	0.70	0.53	1.23	407	15.8	1.45	95	44.75	4.25	3.2
1421	LA35RS	0.72	0.56	1.28	428	22.3	1.61	89	47.10	4.28	2.9
1344	FM 9058F	0.47	0.47	0.93	433	20.8	1.57	91	45.53	4.07	2.9
1389	PHY 565WRF	0.75	0.51	1.26	445	23.8	1.63	89	46.07	4.01	2.8
1413	FM 9170B2F	0.75	0.52	1.26	463	21.8	1.59	90	42.98	3.60	2.7
1424	MD25-42y	0.76	0.58	1.34	443	26.8	1.69	86	47.96	4.20	2.8
1417	UA 48	0.70	0.56	1.26	393	12.8	1.38	98	44.00	4.33	3.4
1401	TAM 04WB-33s	0.67	0.43	1.09	486	28.8	1.74	84	44.87	3.57	2.5
.	LSD	0.09	0.09	0.14	28.3	7.6	0.17	6	4.92	0.60	0.3

LOCATION=STONEVILLE, MS

VARIETY CODE	VARIETY NAME	LINT	BOLL	YARN		DIGITAL FIBROGRAPH		STELOMETER		
		YIELD (lb/acre)	SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1399	DP 1034B2RF	1452	4.85	46.2	9.5	65	1.17	0.64	245	5.0
1404	PHY 499WRF	1424	4.66	45.2	9.9	68	1.16	0.62	262	4.8
1398	DP 1032B2RF	1364	4.68	44.1	8.8	77	1.19	0.61	238	4.3
1326	PHY 375WRF	1272	4.72	43.3	9.9	71	1.16	0.61	231	7.1
1419	ST 4145LLB2	1270	4.59	40.4	10.2	77	1.20	0.63	266	5.3
1344	FM 9058F	1256	5.00	39.2	11.6	79	1.26	0.59	250	5.7
1413	FM 9170B2F	1224	4.71	40.3	11.1	81	1.19	0.62	258	5.0
1389	PHY 565WRF	1201	4.11	41.4	9.9	70	1.18	0.63	246	5.8
1420	Dyna-Gro 2570B2RF	1196	5.36	42.6	10.5	70	1.14	0.60	248	6.2
1403	PHX 4912WRF	1166	4.25	39.5	10.3	75	1.29	0.65	251	5.7
1417	UA 48	1155	5.59	38.3	13.0	84	1.30	0.68	282	4.5
1422	MD25-26ne	1150	5.56	38.2	11.3	81	1.29	0.71	244	7.2
1421	LA35RS	1149	5.58	37.1	12.4	75	1.24	0.66	234	6.3
1415	ARK 0219-15	1142	5.39	40.9	11.1	69	1.27	0.62	250	6.2
1423	MD25-27y	1136	5.33	39.6	11.1	85	1.19	0.65	249	5.2
1425	MD25-87y	1124	6.00	36.4	12.4	88	1.25	0.62	325	4.4
1416	ARS 0222-12	1082	5.09	39.0	11.4	66	1.30	0.65	240	7.7
1382	FM 1845LLB2	1076	5.21	37.8	11.8	79	1.22	0.65	266	5.4
1424	MD25-42y	1075	5.81	35.7	12.9	87	1.34	0.68	291	4.3
1387	ST 4288B2RF	1032	5.46	36.8	12.6	73	1.23	0.64	265	7.0
1418	TAMCOT 73	1031	5.04	38.2	11.4	83	1.20	0.69	267	3.8
1401	TAM 04WB-33s	1021	4.52	34.8	12.0	79	1.30	0.69	294	3.9
.	LSD	177	0.31	0.4	0.2	5	0.03	0.04	15	1.7

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
VARIETY	VARIETY	MICRO-	2.5%	UNIFO-	STRE-	COLORIMETER			MICRO-	SEED	NITR	
CODE	NAME	NAIRE	S.L.	MITY	NGTH	E	Rd	HUNTER'S	NAIRE	YIELD	OIL	OGEN
		(reading)	(in.)	(%)	(g/tex)			b	(Reading)	(lb/ac)	(%)	(%)
1399	DP 1034B2RF	2.58	1.20	86.3	35.5	7.4	75.0	8.1	5.20	1693	.	.
1404	PHY 499WRF	2.53	1.20	84.8	36.0	7.6	73.0	6.9	5.05	1726	.	.
1398	DP 1032B2RF	2.20	1.20	84.3	33.0	6.4	75.5	7.4	4.40	1728	.	.
1326	PHY 375WRF	2.30	1.10	83.7	32.0	6.4	74.5	5.9	4.70	1663	.	.
1419	ST 4145LLB2	2.15	1.20	84.6	32.5	6.6	75.0	7.3	4.30	1875	.	.
1344	FM 9058F	2.25	1.20	85.0	32.5	5.7	76.5	6.2	4.40	1946	.	.
1413	FM 9170B2F	2.25	1.20	84.3	34.0	6.9	77.5	7.3	4.50	1815	.	.
1389	PHY 565WRF	2.30	1.20	85.1	35.0	7.4	72.0	8.0	4.60	1704	.	.
1420	Dyna-Gro 2570B2RF	2.43	1.15	84.4	32.5	7.7	74.5	8.1	4.85	1612	.	.
1403	PHX 4912WRF	2.18	1.30	87.0	36.0	7.1	75.0	6.9	4.35	1786	.	.
1417	UA 48	2.60	1.30	87.3	43.5	7.2	75.0	7.4	5.30	1861	.	.
1422	MD25-26ne	2.22	1.30	86.7	35.0	7.0	76.0	7.5	4.45	1863	.	.
1421	LA35RS	2.38	1.30	85.7	35.0	7.4	72.5	8.9	4.75	1951	.	.
1415	ARK 0219-15	2.18	1.25	85.9	35.0	7.2	72.5	8.3	4.30	1647	.	.
1423	MD25-27y	2.30	1.20	85.3	38.0	7.0	76.0	7.3	4.60	1736	.	.
1425	MD25-87y	2.18	1.30	86.6	44.5	7.2	75.0	8.2	4.35	1960	.	.
1416	ARS 0222-12	2.15	1.30	86.3	32.0	7.0	74.5	7.3	4.25	1699	.	.
1382	FM 1845LLB2	2.40	1.25	85.2	35.5	6.8	74.5	6.3	4.80	1770	.	.
1424	MD25-42y	2.30	1.30	87.2	39.0	7.1	77.0	7.6	4.60	1932	.	.
1387	ST 4288B2RF	2.40	1.20	85.0	31.5	6.7	76.0	8.1	4.80	1770	.	.
1418	TAMCOT 73	2.43	1.20	86.2	39.5	7.1	73.0	8.0	4.85	1665	.	.
1401	TAM 04WB-33s	1.98	1.30	87.2	41.0	7.3	76.0	7.6	3.95	1916	.	.
.	LSD	0.17	0.05	1.4	2.5	0.6	2.0	2.0	0.35	269	.	.

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t		
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---			I	(%)	(microns)	(mg/in)	(microns)
1399	DP 1034B2RF	.	.	.	401	4.8	1.16	107	36.18	3.49	3.7	
1404	PHY 499WRF	.	.	.	403	4.3	1.14	107	35.46	3.41	3.8	
1398	DP 1032B2RF	.	.	.	468	8.8	1.27	102	34.14	2.82	3.0	
1326	PHY 375WRF	.	.	.	445	7.8	1.25	103	34.96	3.04	3.2	
1419	ST 4145LLB2	.	.	.	463	11.3	1.34	100	36.08	3.01	2.9	
1344	FM 9058F	.	.	.	448	3.0	1.10	109	30.88	2.67	3.5	
1413	FM 9170B2F	.	.	.	452	7.0	1.23	104	34.13	2.96	3.2	
1389	PHY 565WRF	.	.	.	440	4.8	1.16	106	32.97	2.91	3.5	
1420	Dyna-Gro 2570B2RF	.	.	.	420	1.0	1.03	111	31.03	2.87	4.0	
1403	PHX 4912WRF	.	.	.	467	10.0	1.31	101	35.04	2.90	3.0	

1417	UA 48	.	.	.	400	3.8	1.12	108	35.36	3.43	3.9
1422	MD25-26ne	.	.	.	452	5.0	1.16	106	32.20	2.76	3.4
1421	LA35RS	.	.	.	432	8.0	1.25	103	36.42	3.27	3.3
1415	ARK 0219-15	.	.	.	459	8.0	1.25	103	34.21	2.88	3.1
1423	MD25-27y	.	.	.	446	6.8	1.22	104	34.26	2.98	3.2
1425	MD25-87y	.	.	.	455	9.3	1.29	101	35.55	3.04	3.0
1416	ARS 0222-12	.	.	.	467	7.0	1.23	104	32.87	2.73	3.0
1382	FM 1845LLB2	.	.	.	440	7.5	1.24	104	35.32	3.12	3.2
1424	MD25-42y	.	.	.	442	5.8	1.19	105	33.71	2.96	3.3
1387	ST 4288B2RF	.	.	.	422	4.3	1.14	107	33.89	3.11	3.6
1418	TAMCOT 73	.	.	.	422	8.5	1.27	102	37.67	3.46	3.3
1401	TAM 04WB-33s	.	.	.	513	12.5	1.37	98	33.55	2.53	2.6
.	LSD	.	.	.	34.1	5.4	0.15	6	4.79	0.55	0.4

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 (%)
1420	Dyna-Gro 2570B2RF	1310	.	.	.	57	1.18	0.55	240	8.0
1404	PHY 499WRF	1300	.	.	.	56	1.17	0.56	240	8.0
1416	ARS 0222-12	1280	.	.	.	61	1.21	0.57	258	8.0
1387	ST 4288B2RF	1249	.	.	.	58	1.18	0.55	231	7.3
1423	MD25-27y	1247	.	.	.	72	1.20	0.59	265	7.0
1326	PHY 375WRF	1241	.	.	.	59	1.18	0.56	228	7.8
1398	DP 1032B2RF	1171	.	.	.	60	1.22	0.55	236	7.3
1419	ST 4145LLB2	1168	.	.	.	60	1.17	0.55	219	6.5
1399	DP 1034B2RF	1160	.	.	.	57	1.19	0.57	223	8.3
1344	FM 9058F	1146	.	.	.	66	1.18	0.56	256	7.3
1418	TAMCOT 73	1124	.	.	.	61	1.20	0.59	260	7.0
1422	MD25-26ne	1104	.	.	.	66	1.28	0.60	260	7.3
1415	ARK 0219-15	1101	.	.	.	57	1.19	0.56	249	7.8
1389	PHY 565WRF	1093	.	.	.	58	1.20	0.56	247	8.0
1417	UA 48	1085	.	.	.	73	1.30	0.60	288	8.0
1421	LA35RS	1082	.	.	.	60	1.24	0.58	248	7.5
1403	PHX 4912WRF	1079	.	.	.	66	1.24	0.58	253	7.8
1425	MD25-87y	1071	.	.	.	70	1.21	0.58	300	6.8
1382	FM 1845LLB2	1060	.	.	.	62	1.23	0.58	251	6.8
1413	FM 9170B2F	1057	.	.	.	66	1.19	0.56	249	6.8
1424	MD25-42y	1037	.	.	.	72	1.26	0.60	279	6.3
.	LSD	156	.	.	.	4	0.03	0.02	12	0.8

		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)	(%)	(%)
1420	Dyna-Gro 2570B2RF	2.23	1.20	84.3	31.0	7.0	72.5	7.5	4.40	.	18.49	3.75
1404	PHY 499WRF	2.23	1.20	84.1	34.0	7.2	72.5	7.2	4.35	.	19.06	4.00
1416	ARS 0222-12	2.30	1.20	85.3	32.5	7.2	74.0	6.7	4.55	.	19.84	3.77
1387	ST 4288B2RF	2.18	1.20	84.0	31.0	6.5	73.0	7.2	4.35	.	21.02	3.85
1423	MD25-27y	2.03	1.20	85.8	35.7	6.4	72.0	6.7	4.07	.	20.14	3.89
1326	PHY 375WRF	2.15	1.20	84.3	31.0	6.6	73.0	6.7	4.25	.	18.59	4.11
1398	DP 1032B2RF	2.15	1.25	84.6	34.0	6.5	74.5	6.9	4.25	.	13.63	4.05
1419	ST 4145LLB2	2.10	1.20	84.7	32.5	6.5	72.0	6.3	4.15	.	18.13	3.86
1399	DP 1034B2RF	2.10	1.20	84.6	34.5	6.9	74.0	7.0	4.10	.	14.25	4.31
1344	FM 9058F	2.13	1.20	84.0	32.5	5.7	73.5	6.2	4.25	.	20.54	3.81
1418	TAMCOT 73	2.30	1.20	84.0	38.0	7.0	76.5	4.0	4.55	.	20.76	4.23
1422	MD25-26ne	2.13	1.30	86.0	36.5	6.8	73.5	6.6	4.15	.	20.15	4.02
1415	ARK 0219-15	2.38	1.20	83.9	33.0	7.1	71.0	7.5	4.75	.	21.29	4.37
1389	PHY 565WRF	1.95	1.20	84.5	33.5	6.9	73.5	6.8	3.75	.	17.28	3.66
1417	UA 48	2.28	1.30	86.1	39.5	6.7	74.0	6.7	4.50	.	19.38	3.90
1421	LA35RS	1.98	1.30	85.1	36.0	6.9	72.5	7.3	3.85	.	18.52	3.87
1403	PHX 4912WRF	2.05	1.30	85.1	33.5	6.7	73.0	6.3	4.10	.	19.51	3.85
1425	MD25-87y	2.15	1.20	85.2	40.5	6.9	77.5	4.6	4.25	.	19.40	4.10
1382	FM 1845LLB2	2.25	1.25	85.3	36.5	6.5	73.5	6.3	4.45	.	20.85	3.76
1413	FM 9170B2F	2.00	1.20	84.6	34.5	6.4	76.0	6.2	3.90	.	21.29	3.85
1424	MD25-42y	2.05	1.30	85.4	37.0	6.6	73.0	6.6	4.10	.	19.98	4.01
.	LSD	0.11	0.04	1.1	1.8	0.3	3.3	1.6	0.39	.	1.47	0.31

		---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t	
CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1420	Dyna-Gro 2570B2RF	0.66	0.47	1.13	458	35.0	1.85	80	50.74	4.29	2.6
1404	PHY 499WRF	0.61	0.38	0.98	443	32.0	1.80	82	51.01	4.45	2.7
1416	ARS 0222-12	0.62	0.39	1.01	436	23.3	1.63	89	46.70	4.14	2.9
1387	ST 4288B2RF	0.75	0.46	1.20	443	31.5	1.79	83	50.83	4.44	2.8
1423	MD25-27y	0.57	0.43	1.01	472	32.3	1.81	81	48.07	3.94	2.5
1326	PHY 375WRF	0.55	0.41	0.96	451	27.3	1.71	86	47.48	4.07	2.7
1398	DP 1032B2RF	0.53	0.39	0.92	463	30.0	1.76	84	47.84	4.00	2.6
1419	ST 4145LLB2	0.73	0.50	1.23	465	35.5	1.87	80	50.50	4.22	2.6
1399	DP 1034B2RF	0.63	0.43	1.06	451	32.3	1.81	82	50.32	4.31	2.7



1344	FM 9058F	0.35	0.38	0.73	448	19.0	1.53	92	42.63	3.68	2.9
1418	TAMCOT 73	0.59	0.41	0.99	436	28.8	1.74	85	50.07	4.45	2.8
1422	MD25-26ne	0.62	0.51	1.13	469	36.0	1.88	79	50.28	4.15	2.6
1415	ARK 0219-15	0.61	0.41	1.02	414	20.8	1.57	91	47.53	4.44	3.1
1389	PHY 565WRF	0.62	0.43	1.05	501	45.3	2.04	73	51.24	3.96	2.4
1417	UA 48	0.56	0.41	0.97	449	29.3	1.75	84	48.81	4.20	2.7
1421	LA35RS	0.58	0.39	0.97	480	38.5	1.92	77	50.23	4.04	2.5
1403	PHX 4912WRF	0.76	0.47	1.23	462	29.0	1.74	85	47.14	3.95	2.7
1425	MD25-87y	0.62	0.53	1.14	460	36.8	1.89	78	51.69	4.35	2.6
1382	FM 1845LLB2	0.54	0.40	0.94	446	28.0	1.72	85	48.47	4.20	2.8
1413	FM 9170B2F	0.55	0.38	0.93	480	32.5	1.81	82	47.47	3.83	2.5
1424	MD25-42y	0.59	0.46	1.05	461	33.8	1.84	81	50.07	4.21	2.6
.	LSD	0.06	0.06	0.11	35.3	12.1	0.24	9	3.64	0.27	0.3

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 (%)
1404	PHY 499WRF	1256	5.42	42.4	.	60	1.17	0.55	222	8.9
1326	PHY 375WRF	1178	5.11	42.2	.	52	1.14	0.55	215	7.3
1424	MD25-42y	1165	5.82	36.9	.	74	1.24	0.56	258	7.8
1425	MD25-87y	1130	5.63	38.9	.	69	1.17	0.54	257	7.3
1423	MD25-27y	1079	5.34	40.7	.	63	1.15	0.55	232	7.5
1398	DP 1032B2RF	1045	4.94	43.0	.	55	1.16	0.53	217	7.8
1389	PHY 565WRF	1031	4.57	39.9	.	63	1.16	0.54	237	8.8
1382	FM 1845LLB2	1030	5.70	38.6	.	55	1.23	0.56	227	8.0
1420	Dyna-Gro 2570B2RF	1030	5.61	41.9	.	54	1.16	0.54	223	8.0
1422	MD25-26ne	1029	5.69	38.3	.	65	1.20	0.55	240	7.5
1387	ST 4288B2RF	1029	6.02	38.2	.	52	1.18	0.54	223	8.5
1415	ARK 0219-15	1020	5.93	40.1	.	58	1.16	0.56	224	8.0
1421	LA35RS	996	6.49	37.9	.	64	1.25	0.56	234	7.5
1416	ARS 0222-12	988	5.45	40.3	.	53	1.25	0.57	222	7.5
1419	ST 4145LLB2	976	4.95	38.3	.	56	1.20	0.54	221	8.3
1413	FM 9170B2F	960	5.13	39.3	.	60	1.21	0.53	224	8.3
1403	PHX 4912WRF	951	4.78	38.0	.	64	1.23	0.54	240	8.5
1344	FM 9058F	940	5.15	39.7	.	51	1.20	0.54	216	7.5
1418	TAMCOT 73	929	5.69	39.1	.	64	1.22	0.56	238	8.2
1399	DP 1034B2RF	889	4.54	43.5	.	52	1.17	0.53	220	8.0
1401	TAM 04WB-33s	781	5.66	38.0	.	68	1.18	0.54	242	7.8
1417	UA 48	625	5.90	37.0	.	67	1.29	0.58	265	8.3

. LSD 181 0.50 1.5 . 4 0.03 0.04 11 1.0

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1404	PHY 499WRF	2.38	1.20	84.1	32.5	8.0	74.5	8.1	4.75	1706	19.39	4.10
1326	PHY 375WRF	2.38	1.10	82.7	31.5	6.9	74.5	7.9	4.85	1613	20.58	4.15
1424	MD25-42y	2.23	1.20	85.4	38.0	6.7	78.0	7.6	4.45	2002	21.66	4.17
1425	MD25-87y	2.38	1.20	83.9	39.5	7.1	75.0	8.4	4.60	1774	21.00	4.06
1423	MD25-27y	2.13	1.10	82.8	33.5	6.2	77.0	7.9	4.15	1574	20.64	4.20
1398	DP 1032B2RF	2.15	1.20	83.4	31.0	6.4	77.0	8.1	4.25	1383	14.95	4.41
1389	PHY 565WRF	2.30	1.15	84.0	33.0	7.6	75.0	8.9	4.65	1550	17.55	3.87
1382	FM 1845LLB2	2.28	1.20	84.6	33.5	6.6	77.5	7.9	4.60	1643	21.92	3.80
1420	Dyna-Gro 2570B2RF	2.13	1.10	82.6	32.5	7.5	75.0	8.8	4.30	1431	18.74	3.86
1422	MD25-26ne	2.15	1.20	84.5	34.5	7.0	77.0	7.7	4.30	1655	21.16	4.37
1387	ST 4288B2RF	2.48	1.15	84.1	30.0	6.6	77.0	8.2	4.90	1662	20.99	3.88
1415	ARK 0219-15	2.30	1.15	82.1	32.0	7.4	74.5	8.9	4.65	1528	22.13	4.20
1421	LA35RS	2.28	1.20	84.7	35.0	7.2	75.5	8.5	4.50	1626	20.92	3.91
1416	ARS 0222-12	2.13	1.20	84.5	31.0	7.0	76.0	8.0	4.20	1460	21.95	4.14
1419	ST 4145LLB2	2.23	1.20	83.6	34.0	6.6	76.0	8.0	4.45	1575	19.63	4.02
1413	FM 9170B2F	2.03	1.20	82.7	34.0	6.4	78.5	7.5	3.95	1479	22.52	3.67
1403	PHX 4912WRF	2.08	1.20	84.3	33.0	6.8	77.5	7.6	4.05	1549	20.69	4.06
1344	FM 9058F	1.95	1.20	83.6	29.5	5.6	78.0	7.5	3.95	1430	20.45	3.94
1418	TAMCOT 73	2.23	1.20	84.4	39.0	7.0	76.5	7.9	4.40	1441	22.08	3.91
1399	DP 1034B2RF	2.35	1.15	83.2	33.0	7.0	75.0	8.5	4.65	1158	14.05	4.51
1401	TAM 04WB-33s	2.18	1.20	83.5	38.5	6.9	77.0	8.3	4.30	1269	20.86	4.08
1417	UA 48	2.43	1.30	86.8	41.5	7.1	76.5	8.0	4.90	1061	21.78	3.76
.	LSD	0.17	0.06	1.6	3.2	0.5	2.3	0.5	0.49	259	0.98	0.27

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1404	PHY 499WRF	0.57	0.34	0.91	433	22.8	1.61	89	46.77	4.18	2.9
1326	PHY 375WRF	0.54	0.39	0.93	433	17.8	1.50	94	43.54	3.90	3.0
1424	MD25-42y	0.56	0.43	0.99	440	19.8	1.54	92	44.00	3.87	2.9
1425	MD25-87y	0.52	0.47	0.98	454	24.3	1.65	88	45.46	3.87	2.7
1423	MD25-27y	0.54	0.46	1.00	450	15.3	1.44	96	40.14	3.45	2.9

1398	DP 1032B2RF	0.50	0.34	0.84	454	23.8	1.63	88	45.17	3.84	2.7
1389	PHY 565WRF	0.58	0.36	0.94	460	30.3	1.77	83	48.21	4.05	2.6
1382	FM 1845LLB2	0.53	0.39	0.92	443	19.3	1.53	92	43.51	3.80	2.9
1420	Dyna-Gro 2570B2RF	0.64	0.39	1.02	461	28.0	1.72	85	46.80	3.93	2.7
1422	MD25-26ne	0.58	0.48	1.06	455	29.0	1.74	85	47.95	4.08	2.7
1387	ST 4288B2RF	0.74	0.39	1.13	428	25.5	1.67	87	49.09	4.44	2.9
1415	ARK 0219-15	0.57	0.37	0.94	441	26.8	1.70	86	48.36	4.25	2.8
1421	LA35RS	0.59	0.38	0.97	449	24.5	1.65	88	46.18	3.98	2.8
1416	ARS 0222-12	0.52	0.34	0.86	466	27.8	1.72	85	46.33	3.85	2.6
1419	ST 4145LLB2	0.63	0.40	1.03	444	29.0	1.74	84	49.31	4.30	2.8
1413	FM 9170B2F	0.62	0.36	0.98	475	20.5	1.57	91	41.32	3.36	2.6
1403	PHX 4912WRF	0.70	0.40	1.10	491	28.3	1.73	85	44.16	3.48	2.5
1344	FM 9058F	0.37	0.37	0.73	484	26.5	1.69	86	43.86	3.50	2.6
1418	TAMCOT 73	0.54	0.37	0.91	428	19.0	1.53	92	44.61	4.03	3.0
1399	DP 1034B2RF	0.47	0.31	0.78	438	27.5	1.71	85	49.10	4.33	2.8
1401	TAM 04WB-33s	0.47	0.30	0.77	448	24.3	1.65	88	46.08	3.98	2.8
1417	UA 48	0.57	0.40	0.97	412	13.5	1.40	97	42.63	4.01	3.2
.	LSD	0.07	0.07	0.11	29.9	8.0	0.17	6	3.75	0.42	0.3

LOCATION=KEISER, AR

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 (%)
1404	PHY 499WRF	1376	4.00	40.5	10.2	62	1.23	0.57	243	8.5
1326	PHY 375WRF	1193	4.15	38.2	10.4	60	1.18	0.54	218	8.3
1398	DP 1032B2RF	1178	4.05	39.5	9.1	59	1.23	0.54	244	8.5
1399	DP 1034B2RF	1170	4.05	40.8	9.8	59	1.24	0.59	241	8.0
1416	ARS 0222-12	1164	4.90	36.9	12.0	56	1.27	0.58	248	8.0
1420	Dyna-Gro 2570B2RF	1149	4.45	37.9	10.3	63	1.21	0.56	215	8.0
1415	ARK 0219-15	1148	4.45	37.7	11.8	59	1.23	0.57	233	8.0
1425	MD25-87y	1115	4.75	34.8	11.8	39	1.26	0.61	271	8.0
1419	ST 4145LLB2	1104	4.55	36.2	9.9	58	1.20	0.55	208	8.0
1422	MD25-26ne	1095	4.70	35.6	10.8	68	1.31	0.61	252	8.0
1423	MD25-27y	1089	4.30	36.9	10.6	72	1.23	0.57	267	8.0
1389	PHY 565WRF	1071	3.80	36.2	10.4	67	1.22	0.56	242	8.8
1403	PHX 4912WRF	1066	3.95	36.0	10.1	61	1.25	0.55	248	8.3
1387	ST 4288B2RF	1013	4.25	34.3	11.7	59	1.24	0.55	201	7.5
1344	FM 9058F	1007	4.25	35.8	12.5	67	1.24	0.56	231	8.0
1421	LA35RS	986	4.55	34.7	11.2	65	1.26	0.57	207	8.0

1424	MD25-42y	955	4.80	33.6	12.3	70	1.30	0.64	279	8.0
1413	FM 9170B2F	944	3.65	36.4	10.5	69	1.25	0.55	237	8.0
1382	FM 1845LLB2	933	4.35	34.3	11.5	65	1.26	0.57	259	8.0
1418	TAMCOT 73	922	4.25	34.7	10.4	64	1.23	0.57	258	8.3
1417	UA 48	865	4.85	34.6	12.8	70	1.30	0.58	308	8.0
1401	TAM 04WB-33s	751	3.80	32.2	11.8	71	1.32	0.61	279	8.0
.	LSD	120	0.98	1.1	0.6	20	0.02	0.02	11	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	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1404	PHY 499WRF	1.93	1.20	84.8	35.5	6.9	76.0	7.6	3.95	1913	19.52	3.42
1326	PHY 375WRF	1.75	1.20	84.2	33.5	6.5	77.0	6.9	3.55	1896	20.38	3.64
1398	DP 1032B2RF	1.83	1.25	84.6	36.5	6.2	78.5	7.5	3.60	1662	14.10	3.70
1399	DP 1034B2RF	1.88	1.20	85.7	36.0	6.7	77.5	7.5	3.85	1503	14.21	3.80
1416	ARS 0222-12	1.98	1.25	86.0	36.0	7.1	77.0	7.2	4.05	1871	19.87	3.51
1420	Dyna-Gro 2570B2RF	1.80	1.20	84.2	33.5	6.7	78.5	8.1	3.65	1722	17.50	3.36
1415	ARK 0219-15	1.85	1.20	85.0	35.0	6.9	76.0	8.0	3.70	1793	21.13	3.54
1425	MD25-87y	1.80	1.25	85.9	42.5	6.5	78.0	7.5	3.70	1951	19.08	3.45
1419	ST 4145LLB2	1.65	1.20	84.2	34.5	6.0	77.5	7.3	3.30	1962	17.76	3.41
1422	MD25-26ne	1.80	1.30	86.1	39.5	6.5	77.0	6.9	3.60	1879	19.60	3.37
1423	MD25-27y	1.78	1.20	85.2	41.0	6.5	78.0	6.9	3.55	1821	20.11	3.60
1389	PHY 565WRF	1.78	1.20	85.3	34.5	6.6	76.0	7.6	3.60	1691	17.93	3.46
1403	PHX 4912WRF	1.83	1.25	85.9	34.0	6.3	77.5	7.1	3.70	1768	20.05	3.43
1387	ST 4288B2RF	1.80	1.20	84.7	32.5	6.1	77.0	7.6	3.65	1862	20.25	3.34
1344	FM 9058F	1.88	1.20	85.1	36.0	5.9	77.5	7.2	3.80	1789	19.63	3.52
1421	LA35RS	1.80	1.25	85.6	36.0	6.8	76.0	8.3	3.65	1748	19.49	3.21
1424	MD25-42y	1.83	1.30	87.3	41.0	6.5	78.0	7.0	3.60	1839	20.05	3.40
1413	FM 9170B2F	1.55	1.25	84.7	35.0	5.8	80.0	6.8	2.95	1459	19.04	3.38
1382	FM 1845LLB2	1.90	1.25	86.4	36.5	6.1	77.5	7.3	3.80	1658	21.31	3.37
1418	TAMCOT 73	1.80	1.20	85.5	38.0	6.5	75.5	6.9	3.65	1692	20.78	3.58
1417	UA 48	2.20	1.30	87.3	45.0	6.6	76.0	6.9	4.40	1588	19.90	3.42
1401	TAM 04WB-33s	1.60	1.30	87.2	40.5	6.7	78.0	7.4	3.25	1435	20.52	3.71
.	LSD	0.13	0.08	1.6	2.8	0.4	2.6	0.5	0.37	288	1.18	0.26

---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)
1404	PHY 499WRF	0.61	0.41	1.02	490	29.5	1.75	84	44.91	3.55	2.5
1326	PHY 375WRF	0.61	0.46	1.07	522	37.0	1.90	78	45.67	3.39	2.3

1398	DP 1032B2RF	0.50	0.40	0.89	506	31.0	1.78	83	44.28	3.39	2.4
1399	DP 1034B2RF	0.62	0.43	1.05	488	33.3	1.83	81	47.00	3.72	2.5
1416	ARS 0222-12	0.61	0.42	1.03	478	23.8	1.63	88	42.86	3.48	2.6
1420	Dyna-Gro 2570B2RF	0.69	0.49	1.18	528	43.5	2.01	74	47.92	3.51	2.3
1415	ARK 0219-15	0.64	0.44	1.08	503	33.8	1.83	81	45.69	3.51	2.4
1425	MD25-87y	0.66	0.57	1.23	521	32.5	1.81	82	43.70	3.25	2.3
1419	ST 4145LLB2	0.75	0.51	1.26	559	46.5	2.07	72	46.50	3.23	2.1
1422	MD25-26ne	0.63	0.52	1.14	523	36.0	1.88	79	45.12	3.34	2.3
1423	MD25-27y	0.61	0.54	1.14	544	36.3	1.89	79	43.47	3.09	2.2
1389	PHY 565WRF	0.67	0.48	1.15	528	39.8	1.95	77	46.37	3.41	2.3
1403	PHX 4912WRF	0.72	0.48	1.19	524	35.0	1.86	80	44.53	3.29	2.3
1387	ST 4288B2RF	0.76	0.48	1.24	505	37.0	1.90	78	47.13	3.61	2.4
1344	FM 9058F	0.38	0.39	0.77	504	29.0	1.74	84	43.43	3.34	2.4
1421	LA35RS	0.63	0.44	1.06	527	41.5	1.98	76	47.17	3.46	2.2
1424	MD25-42y	0.68	0.52	1.20	514	35.0	1.86	80	45.29	3.41	2.4
1413	FM 9170B2F	0.57	0.40	0.97	607	48.0	2.09	71	43.16	2.75	2.0
1382	FM 1845LLB2	0.53	0.41	0.94	516	31.8	1.80	82	43.74	3.29	2.3
1418	TAMCOT 73	0.55	0.41	0.96	520	37.0	1.90	78	45.81	3.42	2.3
1417	UA 48	0.56	0.42	0.97	451	19.5	1.54	92	42.80	3.67	2.8
1401	TAM 04WB-33s	0.50	0.36	0.86	555	42.0	1.99	75	44.93	3.14	2.2
.	LSD	0.04	0.04	0.08	41.4	11.0	0.21	8	4.23	0.44	0.2

LOCATION=FLORENCE, SC

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 (%)
1419	ST 4145LLB2	1190	4.95	42.9	9.3	58	1.09	0.51	215	7.0
1326	PHY 375WRF	1054	5.42	44.1	9.8	58	1.15	0.50	240	6.0
1422	MD25-26ne	941	6.22	41.7	10.4	57	1.10	0.49	217	8.0
1382	FM 1845LLB2	939	5.94	42.1	10.8	52	1.09	0.51	217	6.0
1387	ST 4288B2RF	917	5.71	40.6	9.8	52	1.05	0.50	201	7.8
1415	ARK 0219-15	900	6.26	43.6	10.9	48	1.05	0.50	215	6.3
1425	MD25-87y	882	6.18	41.2	11.3	65	1.08	0.50	228	7.0
1404	PHY 499WRF	838	5.17	45.6	9.0	50	1.08	0.50	206	6.0
1420	Dyna-Gro 2570B2RF	816	5.60	44.2	9.8	48	1.07	0.49	208	7.8
1423	MD25-27y	808	6.31	43.4	9.8	63	1.15	0.53	240	7.5
1416	ARS 0222-12	801	5.68	42.5	10.5	50	1.06	0.49	203	6.3
1418	TAMCOT 73	786	5.34	40.7	9.8	58	1.13	0.52	237	6.5

1403	PHX 4912WRF	729	4.87	39.9	9.3	60	1.08	0.50	217	6.3
1398	DP 1032B2RF	705	5.25	44.2	9.1	55	1.12	0.49	203	6.3
1417	UA 48	703	5.45	40.3	10.9	66	1.18	0.53	243	6.5
1421	LA35RS	698	6.03	40.1	10.9	53	1.04	0.49	212	8.0
1401	TAM 04WB-33s	690	5.26	39.5	10.0	68	1.14	0.52	239	6.5
1399	DP 1034B2RF	661	4.97	45.7	8.9	47	1.06	0.49	207	6.0
1424	MD25-42y	654	6.03	39.8	10.8	65	1.11	0.51	247	7.8
1389	PHY 565WRF	631	4.73	42.4	9.1	56	1.16	0.52	229	6.0
1413	FM 9170B2F	595	5.37	42.0	9.9	63	1.10	0.50	222	6.3
1344	FM 9058F	568	5.79	41.5	10.6	53	1.11	0.50	206	7.0
.	LSD	183	0.43	2.3	0.7	5	0.07	0.03	21	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 (%)
1419	ST 4145LLB2	2.35	1.10	80.9	35.0	6.5	70.5	6.5	4.85	1584	22.06	4.14
1326	PHY 375WRF	2.47	1.15	83.0	36.5	7.3	70.0	7.6	5.05	1350	20.71	3.91
1422	MD25-26ne	2.50	1.10	82.7	35.5	6.8	70.0	8.0	5.10	1317	19.57	3.99
1382	FM 1845LLB2	2.58	1.10	82.7	35.0	7.8	69.0	7.3	5.35	1281	18.69	3.92
1387	ST 4288B2RF	2.53	1.10	81.8	33.5	6.5	67.5	7.2	5.25	1339	20.24	3.87
1415	ARK 0219-15	2.70	1.05	81.8	34.0	7.5	71.0	8.3	5.50	1157	20.79	4.19
1425	MD25-87y	2.38	1.10	82.3	36.5	6.4	71.0	7.1	4.95	1254	20.76	4.19
1404	PHY 499WRF	2.47	1.10	82.6	35.0	7.7	69.0	7.1	5.15	1002	17.64	3.88
1420	Dyna-Gro 2570B2RF	2.48	1.10	82.0	29.0	6.6	69.0	7.3	5.10	1033	21.19	3.90
1423	MD25-27y	2.65	1.15	84.1	37.0	7.0	69.5	7.1	5.30	1053	21.75	4.10
1416	ARS 0222-12	2.73	1.05	82.4	33.5	7.4	70.0	8.0	5.55	1080	21.30	3.95
1418	TAMCOT 73	2.35	1.15	83.2	35.0	7.0	69.5	7.0	4.95	1147	20.74	4.03
1403	PHX 4912WRF	2.48	1.10	82.1	36.5	6.7	70.5	7.2	5.10	1097	20.45	3.58
1398	DP 1032B2RF	2.55	1.10	82.4	33.0	6.6	70.5	7.0	5.20	888	16.18	4.44
1417	UA 48	2.70	1.20	84.8	40.5	7.0	71.0	6.8	5.60	1042	20.92	3.88
1421	LA35RS	2.58	1.00	81.5	32.0	7.1	70.0	7.4	5.35	1042	19.50	4.30
1401	TAM 04WB-33s	2.48	1.15	84.3	39.0	6.8	71.0	7.0	5.05	1055	20.77	4.07
1399	DP 1034B2RF	2.70	1.10	81.8	35.0	7.7	70.5	7.5	5.55	786	15.02	4.79
1424	MD25-42y	2.48	1.10	83.6	42.5	7.0	69.0	7.6	5.05	989	20.14	3.94
1389	PHY 565WRF	2.38	1.20	83.7	36.5	7.2	72.5	6.6	4.80	857	19.31	4.04
1413	FM 9170B2F	2.60	1.10	82.8	36.5	6.9	70.0	7.5	5.30	820	21.88	3.70
1344	FM 9058F	2.38	1.10	80.7	30.5	5.5	71.0	7.3	4.85	795	20.79	3.78
.	LSD	0.22	0.08	2.1	4.3	0.4	2.3	0.9	0.49	250	1.54	0.33

---GOSSYPOL LEVELS---

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

1419	ST 4145LLB2	0.55	0.32	0.86	410	13.8	1.41	97	43.03	4.07	3.2
1326	PHY 375WRF	0.52	0.34	0.86	401	19.0	1.53	92	47.92	4.63	3.2
1422	MD25-26ne	0.52	0.34	0.85	387	20.8	1.57	91	50.81	5.07	3.3
1382	FM 1845LLB2	0.51	0.30	0.81	386	15.5	1.45	96	47.06	4.72	3.4
1387	ST 4288B2RF	0.77	0.47	1.23	384	21.0	1.57	90	51.55	5.21	3.3
1415	ARK 0219-15	0.58	0.36	0.93	381	16.0	1.46	95	48.13	4.89	3.4
1425	MD25-87y	0.53	0.43	0.96	405	13.8	1.41	97	43.57	4.17	3.3
1404	PHY 499WRF	0.55	0.33	0.88	405	23.3	1.63	89	50.46	4.84	3.1
1420	Dyna-Gro 2570B2RF	0.80	0.40	1.19	400	21.3	1.58	90	49.55	4.79	3.1
1423	MD25-27y	0.56	0.42	0.98	402	18.0	1.51	93	46.90	4.51	3.2
1416	ARS 0222-12	0.56	0.33	0.89	378	14.5	1.43	96	47.27	4.84	3.5
1418	TAMCOT 73	0.54	0.36	0.89	413	19.3	1.54	92	46.50	4.35	3.1
1403	PHX 4912WRF	0.56	0.37	0.93	387	17.0	1.48	94	48.09	4.81	3.4
1398	DP 1032B2RF	0.50	0.37	0.87	388	21.0	1.57	91	51.09	5.11	3.2
1417	UA 48	0.56	0.40	0.96	364	13.8	1.41	97	48.43	5.15	3.6
1421	LA35RS	0.53	0.33	0.86	375	18.5	1.52	93	50.66	5.22	3.4
1401	TAM 04WB-33s	0.56	0.39	0.95	394	17.3	1.49	94	47.52	4.68	3.3
1399	DP 1034B2RF	0.49	0.31	0.80	383	17.3	1.49	94	48.49	4.89	3.4
1424	MD25-42y	0.61	0.51	1.11	406	22.8	1.61	89	49.94	4.77	3.1
1389	PHY 565WRF	0.66	0.37	1.03	418	18.0	1.51	93	45.09	4.17	3.1
1413	FM 9170B2F	0.55	0.38	0.93	391	14.5	1.43	96	45.72	4.53	3.3
1344	FM 9058F	0.35	0.32	0.67	410	17.0	1.49	94	45.41	4.29	3.2
.	LSD	0.10	0.10	0.15	24.7	7.3	0.17	6	5.01	0.62	0.3

LOCATION=BELLE MINA, AL

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1404	PHY 499WRF	1263	4.31	42.6	9.4	54	1.20	0.58	225	7.3
1326	PHY 375WRF	1145	4.11	41.2	9.1	55	1.18	0.56	230	8.3
1418	TAMCOT 73	1088	4.58	37.8	10.2	58	1.21	0.58	246	8.0
1344	FM 9058F	1073	4.86	39.5	10.4	60	1.25	0.55	242	7.5
1387	ST 4288B2RF	1063	5.11	38.6	10.1	55	1.19	0.55	221	8.0
1420	Dyna-Gro 2570B2RF	1035	4.67	40.6	9.8	50	1.17	0.53	211	8.0
1415	ARK 0219-15	1022	4.51	40.4	10.0	51	1.23	0.56	224	8.0
1419	ST 4145LLB2	989	4.36	38.5	9.9	60	1.18	0.54	232	8.8
1413	FM 9170B2F	968	4.34	39.6	10.1	63	1.26	0.57	239	8.0
1422	MD25-26ne	963	4.41	37.9	9.9	64	1.27	0.57	265	8.0

1389	PHY 565WRF	917	3.86	39.1	9.5	51	1.22	0.56	221	8.0
1424	MD25-42y	916	5.02	35.6	10.7	65	1.30	0.62	284	8.0
1421	LA35RS	901	4.71	36.5	10.8	60	1.26	0.58	235	8.3
1398	DP 1032B2RF	899	4.49	41.5	9.1	55	1.21	0.55	226	7.8
1399	DP 1034B2RF	888	4.59	41.8	9.6	53	1.21	0.55	218	8.0
1423	MD25-27y	857	4.85	39.5	10.1	65	1.21	0.56	267	8.0
1403	PHX 4912WRF	850	4.08	37.4	10.1	56	1.29	0.58	233	8.3
1416	ARS 0222-12	815	4.77	39.7	10.4	50	1.27	0.56	220	8.0
1382	FM 1845LLB2	761	4.82	37.2	10.0	61	1.26	0.56	230	7.8
1425	MD25-87y	744	4.76	37.3	10.6	66	1.19	0.56	289	8.0
1417	UA 48	739	5.28	36.1	11.5	66	1.32	0.62	258	7.5
1401	TAM 04WB-33s	684	4.61	34.1	11.3	63	1.28	0.60	254	7.8
.	LSD	241	0.55	1.2	0.9	4	0.03	0.03	12	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	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1404	PHY 499WRF	2.18	1.20	84.7	32.0	8.2	74.5	8.4	4.45	1700	19.94	3.47
1326	PHY 375WRF	2.18	1.15	83.7	30.5	7.1	77.0	8.1	4.30	1635	19.94	3.46
1418	TAMCOT 73	1.90	1.20	85.1	37.5	7.6	76.0	7.8	3.80	1790	21.44	3.39
1344	FM 9058F	2.00	1.25	84.2	31.0	6.2	78.0	7.7	3.95	1639	21.20	3.44
1387	ST 4288B2RF	2.25	1.20	84.1	29.0	6.9	75.5	8.4	4.50	1693	21.10	3.27
1420	Dyna-Gro 2570B2RF	2.30	1.20	83.7	29.0	7.6	74.5	8.8	4.65	1512	19.29	3.40
1415	ARK 0219-15	1.95	1.20	83.9	31.0	7.4	76.0	8.7	3.85	1506	19.42	3.60
1419	ST 4145LLB2	2.18	1.20	84.5	32.0	6.7	75.5	7.6	4.25	1581	19.43	3.64
1413	FM 9170B2F	1.88	1.25	85.3	33.0	6.4	79.0	7.4	3.70	1473	21.45	3.51
1422	MD25-26ne	2.08	1.30	85.9	36.5	7.5	78.5	7.5	4.10	1577	21.05	3.87
1389	PHY 565WRF	2.03	1.20	84.8	33.0	8.0	76.5	8.2	4.05	1435	18.24	3.55
1424	MD25-42y	2.05	1.30	87.5	39.5	7.6	77.5	7.6	4.00	1653	21.40	3.81
1421	LA35RS	2.08	1.25	86.0	36.0	7.2	75.0	8.5	4.15	1570	20.32	3.39
1398	DP 1032B2RF	2.15	1.20	84.4	31.5	6.9	77.0	8.1	4.30	1254	15.96	3.79
1399	DP 1034B2RF	2.23	1.20	84.5	34.0	7.8	77.5	8.7	4.50	1241	14.97	4.23
1423	MD25-27y	1.98	1.20	85.8	36.0	6.9	78.0	7.7	4.00	1316	20.80	4.15
1403	PHX 4912WRF	2.03	1.30	86.1	33.0	7.2	77.5	7.9	4.05	1416	20.14	3.43
1416	ARS 0222-12	2.10	1.30	85.4	31.0	7.7	75.0	7.7	4.30	1228	22.08	3.41
1382	FM 1845LLB2	1.85	1.25	85.6	34.5	6.6	78.5	7.2	3.70	1280	19.93	3.39
1425	MD25-87y	2.00	1.20	84.8	40.0	7.2	75.0	8.3	3.95	1243	19.47	3.75
1417	UA 48	2.18	1.30	86.5	39.0	7.2	77.5	8.1	4.30	1311	19.89	3.49
1401	TAM 04WB-33s	2.00	1.25	85.7	38.0	7.6	77.0	7.9	3.90	1318	22.23	3.63
.	LSD	0.23	0.08	1.3	2.5	0.4	1.9	0.7	0.63	367	1.27	0.25



VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1404	PHY 499WRF	0.75	0.47	1.22	441	31.5	1.79	83	51.01	4.48	2.8	
1326	PHY 375WRF	0.71	0.51	1.22	440	22.0	1.60	90	45.64	4.02	2.8	
1418	TAMCOT 73	0.65	0.44	1.09	475	43.0	2.01	75	52.99	4.32	2.5	
1344	FM 9058F	0.48	0.47	0.94	468	26.0	1.68	87	45.09	3.73	2.6	
1387	ST 4288B2RF	0.82	0.48	1.30	449	32.8	1.82	81	50.91	4.40	2.7	
1420	Dyna-Gro 2570B2RF	0.78	0.52	1.30	422	27.0	1.70	86	50.72	4.66	2.9	
1415	ARK 0219-15	0.67	0.44	1.11	487	37.8	1.91	78	49.36	3.93	2.5	
1419	ST 4145LLB2	0.81	0.54	1.34	445	32.0	1.80	82	50.51	4.39	2.7	
1413	FM 9170B2F	0.69	0.45	1.14	505	32.5	1.81	82	45.05	3.45	2.4	
1422	MD25-26ne	0.72	0.55	1.27	468	25.8	1.68	87	44.96	3.72	2.6	
1389	PHY 565WRF	0.69	0.45	1.13	481	40.0	1.95	76	50.96	4.10	2.5	
1424	MD25-42y	0.73	0.54	1.27	476	33.8	1.84	81	48.42	3.94	2.6	
1421	LA35RS	0.74	0.48	1.22	461	30.0	1.76	83	48.09	4.04	2.7	
1398	DP 1032B2RF	0.62	0.43	1.05	447	27.8	1.72	85	48.17	4.17	2.8	
1399	DP 1034B2RF	0.64	0.42	1.05	453	30.8	1.78	83	49.34	4.22	2.7	
1423	MD25-27y	0.73	0.58	1.31	470	28.0	1.72	85	45.99	3.78	2.6	
1403	PHX 4912WRF	0.85	0.50	1.35	480	31.5	1.79	82	46.89	3.78	2.6	
1416	ARS 0222-12	0.67	0.44	1.11	447	27.3	1.71	85	47.99	4.15	2.7	
1382	FM 1845LLB2	0.62	0.46	1.07	497	33.5	1.83	81	46.30	3.61	2.4	
1425	MD25-87y	0.75	0.60	1.35	478	30.8	1.78	83	46.71	3.78	2.6	
1417	UA 48	0.64	0.43	1.06	447	27.3	1.71	86	47.95	4.15	2.8	
1401	TAM 04WB-33s	0.60	0.40	0.99	514	39.3	1.94	77	47.42	3.57	2.3	
.	LSD	0.05	0.05	0.08	32.6	8.2	0.16	6	3.90	0.48	0.2	

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**United States Department of Agriculture**

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# 2011 National Cotton Variety Test

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 PLAINS REGIONAL COTTON VARIETY TEST

\*\*\*\*\*Only one location in 2011 for Plains region reported data\*\*\*\*\*

-----PLAINS REGION-----

LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1376 ST 5458B2RF	995	30.8	38.4	10.8	54	1.16	0.53	237	8.0
1411 AT Epic RF	938	31.0	40.6	10.1	51	1.11	0.51	238	8.0
1427 DP 1044B2RF	917	28.8	39.4	9.3	48	1.15	0.54	226	8.0
1412 DP 0912B2RF	847	32.0	39.2	10.1	56	1.12	0.51	219	8.3

1352 FM 9180B2F	803	30.6	34.9	11.6	60	1.15	0.54	236	8.0
1326 PHY 375WRF	775	28.9	38.9	9.5	55	1.13	0.50	213	8.0
1344 FM 9058F	737	30.5	35.2	10.7	58	1.16	0.52	225	8.0
1410 NG 3348B2F	722	28.9	37.3	11.0	58	1.14	0.53	224	8.0
1426 Phytogen 725RF	587	30.4	35.2	10.9	61	1.19	0.56	264	8.0

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 (%)	
1376 ST 5458B2RF	2.70	1.20	83.2	33.0	6.6	75.5	9.1	5.60	1763	22.72	3.51
1411 AT Epic RF	2.55	1.10	83.0	33.0	7.3	75.0	9.6	5.20	1490	18.79	4.04
1427 DP 1044B2RF	2.40	1.15	83.7	30.5	7.2	78.0	8.7	4.95	1353	20.87	2.89
1412 DP 0912B2RF	2.70	1.15	82.8	32.0	6.8	77.0	8.9	5.50	1315	20.77	3.27
1352 FM 9180B2F	2.35	1.15	82.6	35.5	6.4	79.0	8.2	4.85	1697	21.88	3.51
1326 PHY 375WRF	2.28	1.15	81.8	30.5	6.3	78.5	8.1	4.75	1282	20.22	3.57
1344 FM 9058F	2.30	1.15	83.3	32.5	5.7	78.0	8.4	4.75	1370	20.83	3.52
1410 NG 3348B2F	2.20	1.15	83.0	32.5	6.3	76.0	8.6	4.55	1123	22.45	3.44
1426 Phytogen 725RF	2.30	1.20	83.6	36.0	7.0	76.0	9.0	4.70	1180	21.71	3.47

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1376 ST 5458B2RF	0.66	0.40	1.06	.	.	.	.	.	.	.
1411 AT Epic RF	0.59	0.37	0.96	.	.	.	.	.	.	.
1427 DP 1044B2RF	0.80	0.46	1.26	.	.	.	.	.	.	.
1412 DP 0912B2RF	0.67	0.48	1.15	387	15.0	1.44	96	46.48	4.64	3.4
1352 FM 9180B2F	0.47	0.38	0.85	.	.	.	.	.	.	.
1326 PHY 375WRF	0.54	0.42	0.96	432	16.3	1.47	95	42.51	3.81	3.0
1344 FM 9058F	0.33	0.36	0.69	430	15.0	1.43	96	41.89	3.77	3.1
1410 NG 3348B2F	0.70	0.39	1.09	.	.	.	.	.	.	.
1426 Phytogen 725RF	0.54	0.36	0.90	437	15.0	1.43	95	41.17	3.64	3.0

\*\*\*\*\*Only one location in 2011 for Plains region reported data\*\*\*\*\*  
LOCATIONS COMBINING VARIETIES

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
LUBBOCK, TX (IRR)	814	30.2	37.7	10.4	55	1.14	0.52	231	8.0

LOCATION	MICRO- NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)				E	Rd	HUNTER'S b	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
		2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	COLORIMETER							
LUBBOCK, TX (IRR)	2.42	1.16	83.0	32.8	6.6	77.0	8.7	4.98	1397	21.14	3.47	

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A	D	I	M	p	w	t
	(mm2/mm3)	(mm2/mm3)	(mm2/mm3)	(mm2/mm3)	(mm2/mm3)	(mm2/mm3)	(mm2/mm3)	(microns)	(mg/in)	(microns)
LUBBOCK, TX (IRR)	0.59	0.40	0.99	421	15.3	1.44	95	43.01	3.96	3.1

\*\*\*\*\*Only one location in 2011 for Plains region reported data\*\*\*\*\*

INDIVIDUAL LOCATION

LOCATION=LUBBOCK, TX (IRR)

LOCATION	LINT	BOLL	LINT	SEED	YARN	DIGITAL FIBROGRAPH		STELOMETER	
	YIELD	SIZE			TENACITY	2.5% S.L.	50% S.L.	T1	E1
	(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1376 ST 5458B2RF	995	30.8	38.4	10.8	54	1.16	0.53	237	8.0
1411 AT Epic RF	938	31.0	40.6	10.1	51	1.11	0.51	238	8.0
1427 DP 1044B2RF	917	28.8	39.4	9.3	48	1.15	0.54	226	8.0
1412 DP 0912B2RF	847	32.0	39.2	10.1	56	1.12	0.51	219	8.3
1352 FM 9180B2F	803	30.6	34.9	11.6	60	1.15	0.54	236	8.0
1326 PHY 375WRF	775	28.9	38.9	9.5	55	1.13	0.50	213	8.0
1344 FM 9058F	737	30.5	35.2	10.7	58	1.16	0.52	225	8.0
1410 NG 3348B2F	722	28.9	37.3	11.0	58	1.14	0.53	224	8.0

1426	Phytogen 725RF	587	30.4	35.2	10.9	61	1.19	0.56	264	8.0
.	LSD	320	1.93	2.5	0.9	3	0.07	0.05	7	0.3

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)												
LOCATION	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	RD	HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1376	ST 5458B2RF	2.70	1.20	83.2	33.0	6.6	75.5	9.1	5.60	1763	22.72	3.51
1411	AT Epic RF	2.55	1.10	83.0	33.0	7.3	75.0	9.6	5.20	1490	18.79	4.04
1427	DP 1044B2RF	2.40	1.15	83.7	30.5	7.2	78.0	8.7	4.95	1353	20.87	2.89
1412	DP 0912B2RF	2.70	1.15	82.8	32.0	6.8	77.0	8.9	5.50	1315	20.77	3.27
1352	FM 9180B2F	2.35	1.15	82.6	35.5	6.4	79.0	8.2	4.85	1697	21.88	3.51
1326	PHY 375WRF	2.28	1.15	81.8	30.5	6.3	78.5	8.1	4.75	1282	20.22	3.57
1344	FM 9058F	2.30	1.15	83.3	32.5	5.7	78.0	8.4	4.75	1370	20.83	3.52
1410	NG 3348B2F	2.20	1.15	83.0	32.5	6.3	76.0	8.6	4.55	1123	22.45	3.44
1426	Phytogen 725RF	2.30	1.20	83.6	36.0	7.0	76.0	9.0	4.70	1180	21.71	3.47
.	LSD	0.16	0.16	1.9	3.4	0.6	2.0	1.2	0.49	737	1.94	0.38

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)	
1376	ST 5458B2RF	0.66	0.40	1.06	.	.	.	.	.	.	.
1411	AT Epic RF	0.59	0.37	0.96	.	.	.	.	.	.	.
1427	DP 1044B2RF	0.80	0.46	1.26	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.67	0.48	1.15	387	15.0	1.44	96	46.48	4.64	3.4
1352	FM 9180B2F	0.47	0.38	0.85	.	.	.	.	.	.	.
1326	PHY 375WRF	0.54	0.42	0.96	432	16.3	1.47	95	42.51	3.81	3.0
1344	FM 9058F	0.33	0.36	0.69	430	15.0	1.43	96	41.89	3.77	3.1
1410	NG 3348B2F	0.70	0.39	1.09	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.54	0.36	0.90	437	15.0	1.43	95	41.17	3.64	3.0
.	LSD	0.12	0.12	0.22	19.4	13.1	0.31	12	8.12	0.67	0.4

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**National Cotton Variety Tests, 2011  
Yield, Boll, Seed, Spinning and Data**

## 2011 WESTERN REGIONAL COTTON VARIETY TEST

OVERALL SUMMARY COMBINING ALL LOCATIONS

----- WESTERN REGION -----

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 (%)
1326	PHY 375WRF	1041	4.43	41.3	9.1	53	1.11	0.52	202	7.5
1413	FM 9170B2F	989	4.74	40.1	9.3	57	1.16	0.53	246	8.1
1412	DP 0912B2RF	980	4.41	38.8	8.7	55	1.12	0.54	215	7.9
1426	Phytogen 725RF	902	4.85	37.1	10.2	64	1.20	0.56	263	8.1
1370	DP 161B2RF	789	4.26	36.3	8.4	53	1.18	0.53	231	8.0
1344	FM 9058F	747	4.42	37.8	10.1	58	1.18	0.52	227	7.6
1361	PHY 755WRF	710	4.39	36.0	9.5	66	1.22	0.57	272	8.3

. LSD 149 0.46 2.3 . 9 0.06 0.05 26 0.9

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	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1326	PHY 375WRF	2.43	1.10	81.1	31.0	6.7	76.0	8.6	4.98	1484	20.49	3.94
1413	FM 9170B2F	2.21	1.18	82.7	33.5	6.3	79.5	7.7	4.45	1525	22.58	3.54
1412	DP 0912B2RF	2.44	1.10	82.7	32.5	7.1	77.3	8.3	5.10	1615	19.81	3.38
1426	Phytogen 725RF	2.30	1.20	83.4	35.5	7.0	75.8	8.6	4.65	1589	21.99	3.75
1370	DP 161B2RF	2.26	1.20	83.2	33.7	6.7	77.0	7.9	4.65	1526	17.18	3.68
1344	FM 9058F	2.31	1.18	82.9	31.8	5.7	79.0	7.8	4.70	1254	21.17	3.67
1361	PHY 755WRF	2.20	1.20	83.8	37.5	7.2	75.3	8.8	4.43	1376	21.14	3.82
. LSD		0.25	0.04	1.3	1.8	0.3	1.7	0.2	0.55	402	0.86	0.36

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.60	0.43	1.03	421	18.8	1.52	92	45.20	4.15	3.0
1413	FM 9170B2F	0.68	0.43	1.11	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.69	0.44	1.13	408	20.0	1.55	91	47.64	4.52	3.1
1426	Phytogen 725RF	0.53	0.35	0.88	444	18.3	1.51	93	42.70	3.72	2.9
1370	DP 161B2RF	0.48	0.33	0.81	.	.	.	.	.	.	.
1344	FM 9058F	0.44	0.40	0.84	433	16.8	1.47	94	42.73	3.82	3.0
1361	PHY 755WRF	0.49	0.34	0.83	.	.	.	.	.	.	.
. LSD		0.05	0.03	0.08	27.9	5.4	0.12	5	3.85	0.44	0.2

LOCATIONS COMBINING ALL VARIETIES

LOCATION	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 (%)
UNIVERSITY PARK, NM	975	5.16	39.8	.	58	1.19	0.55	244	7.8
PECOS, TX (IRR)	784	3.84	36.7	9.3	57	1.14	0.52	229	8.0

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 (%)	
UNIVERSITY PARK, NM	2.19	1.17	83.6	34.8	7.0	76.4	8.1	4.46	1468	20.28	3.93
PECOS, TX (IRR)	2.42	1.16	82.0	32.5	6.3	77.8	8.4	4.95	1494	20.96	3.44

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
UNIVERSITY PARK, NM	0.48	0.34	0.83	439	22.4	1.61	89	45.96	4.06	2.8
PECOS, TX (IRR)	0.63	0.43	1.06	413	14.4	1.42	96	43.17	4.04	3.2

INDIVIDUAL LOCATIONS  
UNIVERSITY PARK, NM

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1326	PHY 375WRF	1207	5.05	42.0	.	51	1.12	0.51	209	7.0
1412	DP 0912B2RF	1083	5.18	40.9	.	56	1.17	0.57	226	7.8
1413	FM 9170B2F	1080	5.27	41.7	.	56	1.17	0.54	266	8.3
1426	Phytogen 725RF	940	5.66	38.2	.	68	1.22	0.59	264	8.0
1344	FM 9058F	877	5.04	39.5	.	55	1.23	0.54	232	7.3
1370	DP 161B2RF	847	4.71	38.9	.	53	1.20	0.53	243	8.0
1361	PHY 755WRF	791	5.18	37.1	.	71	1.23	0.58	270	8.5
.	LSD	209	0.67	1.3	.	4	0.04	0.04	12	0.8

SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)											
VARIETY	VARIETY	MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	E	COLORIMETER HUNTER'S	MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN

CODE	NAME	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1326	PHY 375WRF	2.33	1.10	81.8	31.5	7.0	75.0	8.5	4.80	1677	20.22	4.13
1412	DP 0912B2RF	2.33	1.10	83.8	34.0	7.5	77.0	8.2	4.85	1560	19.51	3.62
1413	FM 9170B2F	2.10	1.20	83.1	34.5	6.7	79.0	7.6	4.20	1504	22.44	3.75
1426	Phytogen 725RF	2.28	1.20	84.4	36.5	7.3	74.5	8.4	4.60	1522	21.56	4.07
1344	FM 9058F	2.15	1.20	84.2	33.5	5.9	78.5	7.7	4.40	1347	20.83	3.74
1370	DP 161B2RF	2.02	1.20	84.3	35.3	7.0	77.0	7.7	4.10	1327	16.35	3.98
1361	PHY 755WRF	2.15	1.20	84.1	38.0	7.5	74.0	8.6	4.30	1341	21.08	4.20
.	LSD	0.21	.	1.9	2.7	0.3	2.6	0.6	0.56	269	2.08	0.38

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1326	PHY 375WRF	0.52	0.38	0.90	439	24.0	1.64	88	46.95	4.14	2.8
1412	DP 0912B2RF	0.61	0.40	1.01	416	24.8	1.66	87	49.98	4.65	3.0
1413	FM 9170B2F	0.63	0.39	1.02	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.46	0.31	0.77	451	21.0	1.58	91	43.86	3.77	2.8
1344	FM 9058F	0.37	0.36	0.72	452	20.0	1.55	91	43.07	3.68	2.8
1370	DP 161B2RF	0.42	0.29	0.71	.	.	.	.	.	.	.
1361	PHY 755WRF	0.39	0.28	0.67	.	.	.	.	.	.	.
.	LSD	0.09	0.09	0.16	22.1	4.2	0.10	3	1.60	0.28	0.2

LOCATION=PECOS, TX (IRR)

VARIETY CODE	VARIETY NAME	LINT	BOLL	LINT PERCENT	SEED INDEX	YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD (lb/acre)	SIZE (g/boll)			TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1413	FM 9170B2F	897	4.20	38.5	9.3	58	1.15	0.51	226	8.0
1412	DP 0912B2RF	877	3.65	36.8	8.7	55	1.08	0.50	205	8.0
1326	PHY 375WRF	875	3.80	40.7	9.1	54	1.10	0.52	195	8.0
1426	Phytogen 725RF	864	4.05	36.0	10.2	60	1.19	0.53	262	8.3
1370	DP 161B2RF	731	3.80	33.8	8.4	52	1.16	0.52	219	8.0

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

VARIETY CODE	VARIETY NAME	NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	E	HUNTER'S Rd	NAIRE b (Reading)	YIELD (lb/ac)	OIL (%)	OGEN (%)	
1413	FM 9170B2F	2.33	1.15	82.3	32.5	5.9	80.0	7.9	4.70	1546	22.72	3.33
1412	DP 0912B2RF	2.55	1.10	81.7	31.0	6.7	77.5	8.5	5.35	1670	20.11	3.13
1326	PHY 375WRF	2.53	1.10	80.5	30.5	6.5	77.0	8.8	5.15	1291	20.77	3.75
1426	Phytogen 725RF	2.33	1.20	82.4	34.5	6.6	77.0	8.7	4.70	1656	22.42	3.42
1370	DP 161B2RF	2.50	1.20	82.1	32.0	6.3	77.0	8.2	5.20	1724	18.01	3.39

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A --- (mm2/mm3) ---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1413	FM 9170B2F	0.74	0.47	1.20	.	.	.	.	.	.	.
1412	DP 0912B2RF	0.78	0.48	1.25	399	15.3	1.44	96	45.30	4.39	3.3
1326	PHY 375WRF	0.68	0.48	1.16	404	13.5	1.40	97	43.45	4.16	3.3
1426	Phytogen 725RF	0.61	0.39	0.99	437	15.5	1.45	95	41.53	3.67	3.0
1370	DP 161B2RF	0.54	0.37	0.91	.	.	.	.	.	.	.

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# 2011 National Cotton Variety Test

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 PIMA REGIONAL COTTON VARIETY TEST

OVERALL SUMMARY COMBINING ALL LOCATIONS

----- PIMA REGION -----

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 (%)
1432	PHY 805	1191	3.51	40.5	13.6	83	1.34	0.63	349	7.9





SUMMARY COMBINING ALL VARIETIES  
 reg=60 REGION=PIMA

LOCATION	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 (%)
LEMOORE, CA	1303	.	37.2	13.7	79	1.36	0.62	346	7.7
LAS CRUCES, NM	727	3.37	41.4	.	85	1.29	0.61	352	8.4
MARICOPA, AZ	556	2.12	37.1	11.0	98	1.38	0.69	352	6.6

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

LOCATION	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 (%)
LEMOORE, CA	1.73	1.35	87.7	48.8	6.9	63.4	10.9	3.40	2203	23.98	4.17
LAS CRUCES, NM	2.39	1.28	85.2	59.3	8.5	67.0	11.3	4.80	1022	22.89	4.44
MARICOPA, AZ	1.91	1.38	88.8	50.9	7.7	68.0	11.0	4.14	940	22.89	3.92

LOCATION	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
LEMOORE, CA	0.52	0.57	1.09	545	38.0	1.91	78	44.15	3.15	2.2
LAS CRUCES, NM	0.47	0.49	0.96	418	5.0	1.17	106	34.90	3.23	3.5
MARICOPA, AZ	0.37	0.38	0.75	459	8.0	1.25	103	34.22	2.89	3.1

INDIVIDUAL LOCATIONS  
 LOCATION=MARICOPA, AZ

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1272	DP 340	654	2.22	37.6	11.2	89	1.37	0.69	362	6.0
1374	DP 357	589	2.29	38.3	11.0	87	1.38	0.69	358	6.8
1393	PHY 830	586	2.08	37.5	11.0	86	1.39	0.69	329	6.3
1300	COBALT	508	2.10	37.0	10.2	87	1.38	0.70	332	7.7
1273	PHY 800	444	1.92	35.0	11.4	139	1.42	0.70	381	6.4
.	LSD	118	0.42	0.9	0.8	41	0.01	0.02	15	1.1

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	SEED YIELD (lb/ac)	NITR OGEN (%)	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1272	DP 340	2.18	1.35	88.8	47.5	7.7	67.5	11.0	4.35	1086	23.34	3.96
1374	DP 357	2.27	1.37	88.9	51.7	7.5	69.7	11.0	4.53	946	22.94	3.76
1393	PHY 830	2.20	1.40	89.4	55.0	8.1	68.0	10.0	4.30	980	21.08	3.90
1300	COBALT	1.97	1.37	89.3	49.3	7.6	66.0	12.0	3.90	863	23.49	3.96
1273	PHY 800	0.93	1.40	87.8	51.0	7.6	69.0	11.0	3.60	827	23.63	4.04
.	LSD	0.81	0.06	0.6	3.4	0.4	0.8	1.3	0.13	201	0.88	0.19

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	M (%)	p (microns)	w (mg/in)	t (microns)	
1272	DP 340	0.36	0.39	0.74	.	.	.	.	.	.	.
1374	DP 357	0.36	0.39	0.75	.	.	.	.	.	.	.
1393	PHY 830	0.41	0.44	0.84	.	.	.	.	.	.	.
1300	COBALT	0.37	0.37	0.74	.	.	.	.	.	.	.
1273	PHY 800	0.35	0.35	0.69	459	8.0	1.25	103	34.22	2.89	3.1
.	LSD	0.02	0.02	0.05	.	.	.	.	.	.	.

LOCATION=LEMOORE, CA

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 (%)
1432	PHY 805	1380	.	39.0	13.6	81	1.37	0.64	351	7.0
1272	DP 340	1334	.	37.0	13.3	78	1.35	0.62	346	7.6
1374	DP 357	1319	.	36.7	13.6	77	1.36	0.62	321	8.3
1273	PHY 800	1293	.	37.1	14.3	78	1.36	0.62	339	8.0
1300	COBALT	1282	.	36.1	13.3	78	1.36	0.60	357	7.9
1433	PHY 802	1208	.	37.1	14.1	81	1.40	0.64	364	7.7
.	LSD	118	.	1.0	1.8	4	0.03	0.05	23	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	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1432	PHY 805	1.75	1.35	87.6	51.0	7.0	65.5	11.0	3.45	2161	23.69	4.14
1272	DP 340	1.83	1.35	87.4	46.5	6.7	62.5	11.5	3.50	2273	25.38	4.22
1374	DP 357	1.65	1.30	87.9	47.0	6.9	64.0	11.0	3.25	2272	24.38	4.17
1273	PHY 800	1.73	1.35	87.8	48.5	6.9	62.5	10.0	3.40	2193	22.84	4.17
1300	COBALT	1.65	1.35	87.1	47.0	6.8	63.0	12.0	3.25	2267	23.81	4.26
1433	PHY 802	1.80	1.40	88.8	53.0	7.1	63.0	10.0	3.55	2052	23.76	4.10
.	LSD	0.16	0.15	2.5	5.0	0.3	2.5	0.7	0.34	175	1.15	0.46

---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----							
VARIETY	VARIETY	PLUS	MINUS	TOTAL	A	D	M	p	w	t

CODE	NAME	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1432	PHY 805	0.51	0.50	1.01	.	.	.	.	.	.	.
1272	DP 340	0.56	0.69	1.24	.	.	.	.	.	.	.
1374	DP 357	0.52	0.63	1.15	.	.	.	.	.	.	.
1273	PHY 800	0.48	0.53	1.01	545	38.0	1.91	78	44.15	3.15	2.2
1300	COBALT	0.57	0.61	1.18	.	.	.	.	.	.	.
1433	PHY 802	0.48	0.50	0.98	.	.	.	.	.	.	.
.	LSD	0.08	0.08	0.20	.	.	.	.	.	.	.

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 (%)
1393	PHY 830	1175	3.17	43.1	.	79	1.31	0.60	342	8.8
1432	PHY 805	1002	3.51	42.1	.	86	1.31	0.63	348	8.8
1433	PHY 802	801	3.17	41.4	.	91	1.30	0.62	372	8.9
1374	DP 357	605	3.94	40.5	.	84	1.30	0.60	351	8.8
1300	COBALT	518	3.12	40.5	.	84	1.30	0.60	342	7.8
1272	DP 340	514	3.47	40.3	.	85	1.25	0.59	347	7.9
1273	PHY 800	471	3.24	41.7	.	89	1.31	0.62	364	8.0
.	LSD	444	0.49	1.6	.	4	0.03	0.03	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	COLORIMETER HUNTER'S Rd	MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)	
1393	PHY 830	2.60	1.30	85.3	58.5	8.8	68.5	11.0	5.30	1546	22.52	4.48
1432	PHY 805	2.40	1.30	86.0	64.5	8.7	67.0	11.0	4.70	1374	22.45	4.52
1433	PHY 802	2.28	1.30	85.0	63.5	8.6	68.5	11.0	4.55	1137	22.77	4.52

1374	DP 357	2.38	1.30	85.9	57.5	8.4	67.0	11.0	4.70	903	23.48	4.28
1300	COBALT	2.40	1.25	84.7	55.5	8.3	65.0	12.0	4.80	759	23.69	4.57
1272	DP 340	2.40	1.20	83.9	53.5	8.3	66.5	12.0	5.00	766	23.74	4.39
1273	PHY 800	2.28	1.30	85.7	62.0	8.8	66.5	11.0	4.55	672	21.60	4.34
.	LSD	0.18	0.07	2.4	9.6	0.7	3.5	.	0.40	621	1.18	0.26

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1393	PHY 830	0.52	0.57	1.08	.	.	.	.	.	.	.
1432	PHY 805	0.48	0.45	0.93	.	.	.	.	.	.	.
1433	PHY 802	0.43	0.42	0.85	.	.	.	.	.	.	.
1374	DP 357	0.46	0.50	0.96	.	.	.	.	.	.	.
1300	COBALT	0.54	0.55	1.09	.	.	.	.	.	.	.
1272	DP 340	0.45	0.52	0.97	.	.	.	.	.	.	.
1273	PHY 800	0.41	0.43	0.84	418	5.0	1.17	106	34.90	3.23	3.5
.	LSD	0.04	0.04	0.08	.	.	.	.	.	.	.

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National Cotton Variety Tests, 2011  
 Yield, Boll, Seed, Spinning and Data

## 2011 BLACKLANDS REGIONAL COTTON VARIETY TEST

----- BLACKLANDS REGION -----

VARIETIES COMBINING LOCATIONS

VARIETY CODE	VARIETY NAME	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL 2.5% S.L. (inches)	FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	E1 (%)
1427	DP 1044B2RF	102	2.70	40.8	6.9	48	0.97	0.45	207	7.0
1345	AMERICOT 1550B2RF	74	3.21	42.5	7.0	46	0.93	0.43	158	6.0
1326	PHY 375WRF	69	2.93	41.5	7.0	48	0.93	0.47	171	8.0
1412	DP 0912B2RF	60	2.92	40.5	6.6	23	0.93	0.45	178	8.0

1411	AT Epic RF	47	3.09	42.3	7.1	46	0.95	0.47	231	8.0
1358	FM 1740B2F	45	2.67	38.9	7.3	0	0.92	0.43	175	6.8
1426	Phytogen 725RF	33	2.28	37.3	7.5	54	1.03	0.48	232	7.3
1344	FM 9058F	18	2.50	37.9	7.1	49	0.93	0.44	162	8.0

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFORMITY (%)	STRENGTH (g/tex)	E	COLORIMETER HUNTER'S Rd	MICRO-NAIRE (Reading) b	SEED YIELD (lb/ac)	OIL (%)	NITROGEN (%)	
1427	DP 1044B2RF	2.35	1.00	79.8	29.0	6.6	70.5	8.9	4.80	147	19.03	3.97
1345	AMERICOT 1550B2RF	2.40	0.90	79.0	25.0	5.2	71.0	10.0	4.80	100	18.23	4.08
1326	PHY 375WRF	2.35	0.95	79.4	25.0	5.1	72.5	9.7	4.70	98	17.81	4.05
1412	DP 0912B2RF	2.40	0.95	79.8	25.0	5.5	70.5	9.6	4.80	88	17.75	3.81
1411	AT Epic RF	2.35	1.00	81.0	29.0	6.4	70.0	10.0	4.70	64	15.12	3.82
1358	FM 1740B2F	2.15	0.90	78.9	23.0	4.3	71.0	9.3	4.30	71	16.91	3.98
1426	Phytogen 725RF	1.88	1.05	79.2	32.0	6.0	71.0	9.8	3.75	57	15.68	3.88
1344	FM 9058F	2.18	0.90	77.5	20.5	3.4	72.5	8.8	4.35	29	16.11	3.75

---GOSSYPOL LEVELS---

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

VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1427	DP 1044B2RF	0.52	0.19	0.71	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.41	0.19	0.60	.	.	.	.	.	.	.
1326	PHY 375WRF	0.37	0.22	0.59	431	15.8	1.45	95	42.26	3.79	3.0
1412	DP 0912B2RF	0.38	0.21	0.59	433	19.3	1.54	92	44.44	3.97	2.9
1411	AT Epic RF	0.38	0.19	0.57	.	.	.	.	.	.	.
1358	FM 1740B2F	0.31	0.19	0.49	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.22	0.14	0.36	506	30.5	1.77	83	43.94	3.36	2.4
1344	FM 9058F	0.25	0.17	0.42	460	24.8	1.66	87	45.18	3.81	2.7

LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
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VARIETY CODE	VARIETY NAME	MICRO- NAIRE (reading)	2.5% S.L. (in.)	UNIFO- MITY (%)	STRE- NGTH (g/tex)	E	COLORIMETER HUNTER'S		MICRO- NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
							Rd	b				
1427	DP 1044B2RF	2.35	1.00	79.8	29.0	6.6	70.5	8.9	4.80	147	19.03	3.97
1345	AMERICOT 1550B2RF	2.40	0.90	79.0	25.0	5.2	71.0	10.0	4.80	100	18.23	4.08
1326	PHY 375WRF	2.35	0.95	79.4	25.0	5.1	72.5	9.7	4.70	98	17.81	4.05
1412	DP 0912B2RF	2.40	0.95	79.8	25.0	5.5	70.5	9.6	4.80	88	17.75	3.81
1411	AT Epic RF	2.35	1.00	81.0	29.0	6.4	70.0	10.0	4.70	64	15.12	3.82
1358	FM 1740B2F	2.15	0.90	78.9	23.0	4.3	71.0	9.3	4.30	71	16.91	3.98
1426	Phytogen 725RF	1.88	1.05	79.2	32.0	6.0	71.0	9.8	3.75	57	15.68	3.88
1344	FM 9058F	2.18	0.90	77.5	20.5	3.4	72.5	8.8	4.35	29	16.11	3.75

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS---			-----AREALOMETER DATA-----						
		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1427	DP 1044B2RF	0.52	0.19	0.71	.	.	.	.	.	.	.
1345	AMERICOT 1550B2RF	0.41	0.19	0.60	.	.	.	.	.	.	.
1326	PHY 375WRF	0.37	0.22	0.59	431	15.8	1.45	95	42.26	3.79	3.0
1412	DP 0912B2RF	0.38	0.21	0.59	433	19.3	1.54	92	44.44	3.97	2.9
1411	AT Epic RF	0.38	0.19	0.57	.	.	.	.	.	.	.
1358	FM 1740B2F	0.31	0.19	0.49	.	.	.	.	.	.	.
1426	Phytogen 725RF	0.22	0.14	0.36	506	30.5	1.77	83	43.94	3.36	2.4
1344	FM 9058F	0.25	0.17	0.42	460	24.8	1.66	87	45.18	3.81	2.7

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



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