2002 National Cotton Variety Test

Crop Genetics & Production Research Unit
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Any time you see the cotton boll photograph as shown here, you may click on it to return to the top of the document.

National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

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

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

National Cotton Variety Tests, 2002.

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

Issued October 2002.

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AUBURN, AL
BEEVILLE, TX
BELLE MINA, AL
BOSSIER CITY, LA
CLARKEDALE, AR
CHICKASHA, OK (DRY)
CHICKASHA, OK (IRR)
CHILLICOTHE, TX (DRY)
COLLEGE STATION, TX
DALLAS, TX
EL PASO, TX (PIMA)
FLORENCE, SC
KEISER, AR
LAMESA, TX (DRY)
LUBBOCK, TX (IRR)
PECOS, TX (IRR)
SAINT JOSEPH, LA
SHAFTER, CA
STONEVILLE, MS
THRALL, TX
TIFTON, GA
TIPTON, OK
WESLACO, TX
W SIDE FIELD STATION, CA

Acknowledgments

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

Alabama	--	K. Glass
Arizona	--	R. Percy (USDA-ARS)
Arkansas	--	F. M. Bourland
California	--	D. M. Bassett
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North Carolina	--	D. Bowman
Oklahoma	--	V. Verhalen
South Carolina	--	L. May (USDA-ARS)
Texas	--	J. R. Gannaway, and C. W. Smith

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

Acala 1517-99

-- CPCSD, Shafter, CA;

All Tex Atlas

-- All Tex Seed Company, Levelland, TX

DP 458B/R

-- Delta and Pine Land Company, Scott, MS; and

Stoneville 4892 B/R

-- Stoneville Pedigreed Seed Company, Stoneville, MS.

Joint Cotton Breeding Policy Committee

(As of January 2002)

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

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

National Cotton Variety Testing Committee

(As of January 2002)

D. M. Bassett, University of CA, U. S. Cotton Research Station, Shafter, CA
J. Creech, Delta Research and Extension Center, Stoneville, MS
F. M. Bourland, University of Arkansas, Fayetteville, AR
R. Cantrell, New Mexico Agricultural Experiment Station, Las Cruces, NM
N. Clark, Clark Brothers, Dos Palos, CA
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C. Green, Delta & Pine Land Co., Hartsville, SC
S. Lincoln, CA Dept. of Food & Agriculture, Sacramento, CA
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S. T. Rayburn, (Secretary) Agricultural Research Service, USDA, Stoneville, MS
R. Sheetz, Cargill Research, Plainview, TX
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 - 2002
Yield Archive File	1960 - 2002
Fiber Quality Archive File	1960 - 2002
Pima Combed Yarn Archive File	1962 - 2002

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.

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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 fourteenth 3-year testing cycle, beginning in 2000, the national standards were Acala Maxxa, All Tex Atlas, DPL NuCotn 33B, and Suregrow 747. 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.

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 (Chillicothe)
Dryland Test Chillicothe, TX
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
Clemson University
Pee Dee Experiment Station
Florence, SC
Georgia Agricultural Experiment Station
Georgia Coastal Plain Experiment Station
Tifton, GA
Louisiana Agricultural Experiment Station
Red River Valley Experiment Station
Bossier City, LA
Mississippi Agricultural and Forestry Experiment Station
Delta Branch
Stoneville, MS
North Carolina State University
Upper Coastal Plain Experiment Station
Rocky Mount, NC
Texas A&M University
Texas Agricultual Experiment Station
College Station, TX

Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station
Cotton Research Center
Maricopa, AZ
California Agricultural Experiment Station
West Side Field Station
West Side Field Station, CA
Kern, CA
Shafter, CA
Merced, CA

New Mexico Agricultural Experiment Station
Off-Station Test
Las Cruces, NM

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 180øF for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. The purpose of this modification was to reduce free moisture on the kernels with which the gossypol could interact and become bound to the protein thus reducing the free gossypol content. The use of this modification (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years. Free gossypol is expressed as a percentage of the mass of the kernel.

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

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

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

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

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

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

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

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

(LINT YIELD/ACRE) X ((100-LINT%) / 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.

Introduction and Explanations

Reporting Variations

Arizona Region Test Results:

No tests were conducted in the Arizona Region for 2002.

San Joaquin Region Test Results:

No tests were conducted in the San Joqauin Region for 2002.

Cotton varieties tested in the 2002 National Cotton Variety Tests:

VARIETY

CODE	VARIETY	IN REGIONAL TEST
874	ACALA 1517-95	WESTERN
1128	ACALA 1517-99	NATIONAL STANDARD; IN ALL REGIONS
1164	ACALA ULTIMA	HIGH QUALITY
1129	ACALA W 1218	WESTERN
1019	ALL TEX ATLAS	NATIONAL STANDARD; IN ALL REGIONS
1212	ALL TEX ATLAS RR	PLAINS
1220	AR 9101-91-09	HIGH QUALITY
1218	CH 007	PIMA
1222	CT 210	HIGH QUALITY
1221	CT 211	HIGH QUALITY
1140	DELTA PEARL	EASTERN; HIGH QUALITY
1234	DP 451 BRB	EASTERN
1223	DP 493	HIGH QUALITY
1224	DP 555 R/R	EASTERN; HIGH QUALITY
1155	DPL 451 BRR	DELTA
1152	DPL 458 BG/RR	NATIONAL STANDARD; IN ALL REGIONS
1201	DPL 491	HIGH QUALITY
1102	DPL 5415 RR	EASTERN
1094	DPL NuCotn 33B	CENTRAL
1117	FIBERMAX 832	CENTRAL; HIGH QUALITY
1169	FIBERMAX 958	PLAINS; HIGH QUALITY
1175	FIBERMAX 966	DELTA; HIGH QUALITY
1103	FIBERMAX 989	WESTERN
1213	FM 5013	PLAINS
1235	FM 989 R	EASTERN
1236	FM 991 R	EASTERN
1225	GA 98028	HIGH QUALITY
1226	GA 98084	HIGH QUALITY
1227	JAJO 0065	HIGH QUALITY
1228	JAJO 0157	HIGH QUALITY
1203	JAJO 8192	HIGH QUALITY
1197	NM 970123	WESTERN
1167	NM 970513	WESTERN
1108	OA 325 (DP-HTO)	PIMA
1210	OA 340	PIMA
1168	PAYMASTER 1218BG/RR	CENTRAL; DELTA
1135	PAYMASTER 2326 RR	PLAINS
1219	PD 744	PIMA

1113	PHY 57	PIMA
1211	PHY 76	PIMA
1166	PHYTOGEN 72	WESTERN
471	PIMA S-6	PIMA
615	PIMA S-7	PIMA
1214	PM 2167 RR	PLAINS
1215	PM 2266 RR	PLAINS
1158	PSC 355	BLACKLANS; CENTRAL; EASTERN; DELTA; HIGH QUALITY
1229	SG 00W12	HIGH QUALITY
1232	SG 215 BR	CENTRAL; EASTERN
1170	SG 501 BG/RR	EASTERN
1104	SG 747	HIGH QUALITY
1237	ST 4793 R	EASTERN
1216	STV 2454 RR	PLAINS
1231	STV 4691 B	CENTRAL
971	STV 474	PLAINS
1196	STV 4892 BR	NATIONAL STANDARD; IN ALL REGIONS
1208	STV 580	EASTERN; HIGH QUALITY
1075	STV BXN 47	DELTA
1163	SUREGROW 105	DELTA
1230	TAM 96 WD-18	HIGH QUALITY
1217	TAMCOT LUXOR	PLAINS
1233	TAMCOT PYRAMID	BLACKLANDS; CENTRAL

2002 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER
DR. J. CREECH

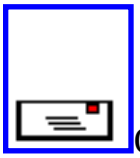
At the request of Dr. Creech, please access the 2002 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

2002 REGIONAL SHORT SEASON TEST

2002 BUDWORM/BOLLWORM TEST RESULTS

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

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

 Questions or comments to: ekeene@ars.usda.gov

United States Department of Agriculture

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Other links:

Crop Genetics and Production Research Unit Home Page

Publications of the Crop Genetics & Production Research Unit

Jamie Whitten Delta States Research Center

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

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2002 EASTERN REGIONAL COTTON VARIETY TEST

EASTERN
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 (%)
1158	PSC 355	1365	4.57	40.2	8.3	133	1.14	0.55	219	9.2
1232	SG 215 BR	1319	5.06	40.6	8.2	117	1.11	0.53	187	9.5
1224	DP 555 R/R	1303	4.87	42.8	7.5	130	1.15	0.55	210	6.7
1196	STV 4892 BR	1241	5.22	41.3	7.9	126	1.10	0.54	199	8.2
1208	STV 580	1240	5.03	39.6	7.8	130	1.15	0.55	214	9.2
1237	ST 4793 R	1231	4.76	41.0	8.1	132	1.12	0.54	207	8.9
1170	SG 501 BG/RR	1205	4.95	39.1	8.1	136	1.13	0.55	215	9.7
1140	DELTA PEARL	1202	4.75	40.8	7.6	135	1.19	0.56	213	6.9
1234	DP 451 BRB	1171	4.96	35.8	8.3	128	1.15	0.54	195	7.7

1152 DPL 458 BG/RR	1132	4.75	39.1	7.5	126	1.14	0.55	199	8.6
1235 FM 989 R	1100	5.20	39.8	8.3	152	1.14	0.55	233	7.4
1236 FM 991 R	1066	5.19	37.8	7.9	144	1.17	0.55	230	7.2
1102 DPL 5415 RR	1059	4.55	39.5	7.6	130	1.15	0.55	211	8.9
1128 ACALA 1517-99	898	4.86	37.9	8.6	157	1.21	0.57	248	7.6
1019 ALL TEX ATLAS	843	4.82	35.4	8.8	139	1.13	0.56	219	8.9
. LSD	247	0.48	2.0	1.3	9	0.04	0.02	21	0.9

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)								
						COLORIMETER HUNTER'S					
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1158	PSC 355	4.58	1.10	83.1	33.3	9.2	71.2	8.1	4.58	2021	18.50	3.60
1232	SG 215 BR	4.37	1.10	83.0	29.2	8.9	72.7	8.9	4.43	1894	17.11	3.37
1224	DP 555 R/R	4.38	1.12	81.8	32.2	7.9	75.7	7.8	4.38	1664	16.07	3.79
1196	STV 4892 BR	4.72	1.10	83.4	31.2	8.6	71.0	9.2	4.80	1806	18.32	3.63
1208	STV 580	4.52	1.13	82.6	32.3	8.7	73.2	8.8	4.70	1856	17.65	3.39
1237	ST 4793 R	4.42	1.08	82.4	31.3	8.6	72.8	8.8	4.50	1775	17.02	3.50
1170	SG 501 BG/RR	4.22	1.08	83.2	32.2	8.9	73.3	8.5	4.30	1906	17.19	3.47
1140	DELTA PEARL	4.50	1.15	83.0	32.3	7.7	74.3	7.4	4.53	1736	17.28	3.68
1234	DP 451 BRB	4.42	1.10	82.9	29.8	8.2	74.5	8.4	4.43	2031	19.53	3.42
1152	DPL 458 BG/RR	4.72	1.12	82.5	32.0	8.7	72.7	8.1	4.72	1799	17.40	3.37
1235	FM 989 R	3.95	1.10	82.8	34.8	7.9	72.7	8.2	3.98	1648	19.85	3.55
1236	FM 991 R	4.37	1.15	83.2	34.5	8.2	74.0	8.1	4.43	1732	19.16	3.55
1102	DPL 5415 RR	4.65	1.12	83.4	32.8	8.8	73.0	8.4	4.67	1693	16.53	3.43
1128	ACALA 1517-99	4.02	1.15	83.7	36.7	8.4	72.8	8.9	4.02	1428	18.49	3.73
1019	ALL TEX ATLAS	4.18	1.10	82.4	32.7	8.4	73.7	8.4	4.22	1535	19.12	3.61
.	LSD	0.37	0.05	1.1	2.1	0.4	3.0	1.0	0.39	357	1.39	0.21

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1158	PSC 355	0.85	0.50	1.35	.	.	.	.	.	.	.
1232	SG 215 BR	0.68	0.46	1.14	.	.	.	.	.	.	.

1224	DP 555 R/R	0.62	0.43	1.04	.	.	.	.	.	.	.
1196	STV 4892 BR	0.92	0.60	1.51	416	26.0	1.68	86	50.77	4.76	3.0
1208	STV 580	0.83	0.59	1.42	.	.	.	.	.	.	.
1237	ST 4793 R	0.93	0.59	1.52	.	.	.	.	.	.	.
1170	SG 501 BG/RR	0.80	0.55	1.35	.	.	.	.	.	.	.
1140	DELTA PEARL	0.64	0.44	1.08	.	.	.	.	.	.	.
1234	DP 451 BRB	0.92	0.55	1.47	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.71	0.52	1.24	424	28.7	1.73	84	51.30	4.70	2.9
1235	FM 989 R	0.66	0.46	1.11	.	.	.	.	.	.	.
1236	FM 991 R	0.72	0.52	1.24	.	.	.	.	.	.	.
1102	DPL 5415 RR	0.71	0.54	1.25	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.64	0.45	1.09	474	26.1	1.68	86	44.56	3.66	2.6
1019	ALL TEX ATLAS	0.70	0.51	1.21	465	28.7	1.73	84	47.21	4.01	2.7
.	LSD	0.07	0.05	0.10	41.6	8.3	0.16	6	4.09	0.56	0.3

REGION=EASTERN

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
STV 4892 BR	5.22
FM 989 R	5.20
FM 991 R	5.19
SG 215 BR	5.06
STV 580	5.03
DP 451 BRB	4.96
SG 501 BG/RR	4.95
DP 555 R/R	4.87
ACALA 1517-99	4.86
ALL TEX ATLAS	4.82
ST 4793 R	4.76
DPL 458 BG/RR	4.75
DELTA PEARL	4.75
PSC 355	4.57
DPL 5415 RR	4.55
LSD	0.48

REGION=EASTERN

LINT PERCENT	
DP 555 R/R	42.8
STV 4892 BR	41.3
ST 4793 R	41.0
DELTA PEARL	40.8
SG 215 BR	40.6
PSC 355	40.2
FM 989 R	39.8
STV 580	39.6
DPL 5415 RR	39.5
SG 501 BG/RR	39.1
DPL 458 BG/RR	39.1
ACALA 1517-99	37.9
FM 991 R	37.8
DP 451 BRB	35.8
ALL TEX ATLAS	35.4
LSD	2.0

REGION=EASTERN

SEED INDEX	
ALL TEX ATLAS	8.8
ACALA 1517-99	8.6
PSC 355	8.3
FM 989 R	8.3
DP 451 BRB	8.3
SG 215 BR	8.2
ST 4793 R	8.1
SG 501 BG/RR	8.1
FM 991 R	7.9
STV 4892 BR	7.9
STV 580	7.8
DPL 5415 RR	7.6
DELTA PEARL	7.6
DPL 458 BG/RR	7.5
DP 555 R/R	7.5
LSD	1.3

2.5% S.L. (INCHES)	
ACALA 1517-99	1.15
FM 991 R	1.15
DELTA PEARL	1.15
STV 580	1.13
DPL 5415 RR	1.12
DPL 458 BG/RR	1.12
DP 555 R/R	1.12
ALL TEX ATLAS	1.10
PSC 355	1.10
FM 989 R	1.10
DP 451 BRB	1.10
SG 215 BR	1.10
STV 4892 BR	1.10
ST 4793 R	1.08
SG 501 BG/RR	1.08
LSD	0.05

UR (PERCENT)	
ACALA 1517-99	83.7
STV 4892 BR	83.4
DPL 5415 RR	83.4
SG 501 BG/RR	83.2
FM 991 R	83.2
PSC 355	83.1
DELTA PEARL	83.0
SG 215 BR	83.0
DP 451 BRB	82.9
FM 989 R	82.8
STV 580	82.6
DPL 458 BG/RR	82.5
ST 4793 R	82.4
ALL TEX ATLAS	82.4
DP 555 R/R	81.8
LSD	1.1

STRENGTH (G/TEX)	
ACALA 1517-99	36.7
FM 989 R	34.8
FM 991 R	34.5
PSC 355	33.3
DPL 5415 RR	32.8
ALL TEX ATLAS	32.7
DELTA PEARL	32.3
STV 580	32.3
SG 501 BG/RR	32.2
DP 555 R/R	32.2
DPL 458 BG/RR	32.0
ST 4793 R	31.3
STV 4892 BR	31.2
DP 451 BRB	29.8
SG 215 BR	29.2
LSD	2.1

E	
PSC 355	9.2
SG 501 BG/RR	8.9
SG 215 BR	8.9
DPL 5415 RR	8.8
STV 580	8.7
DPL 458 BG/RR	8.7
ST 4793 R	8.6
STV 4892 BR	8.6
ACALA 1517-99	8.4
ALL TEX ATLAS	8.4
DP 451 BRB	8.2
FM 991 R	8.2
FM 989 R	7.9
DP 555 R/R	7.9
DELTA PEARL	7.7

MICRONAIRE (SL-HVI)	
STV 4892 BR	4.80
DPL 458 BG/RR	4.72
STV 580	4.70
DPL 5415 RR	4.67
PSC 355	4.58
DELTA PEARL	4.53
ST 4793 R	4.50
SG 215 BR	4.43
DP 451 BRB	4.43
FM 991 R	4.43
DP 555 R/R	4.38
SG 501 BG/RR	4.30
ALL TEX ATLAS	4.22
ACALA 1517-99	4.02
FM 989 R	3.98

COLORIMETER - Rd	
DP 555 R/R	75.7
DP 451 BRB	74.5
DELTA PEARL	74.3
FM 991 R	74.0
ALL TEX ATLAS	73.7
SG 501 BG/RR	73.3
STV 580	73.2
DPL 5415 RR	73.0
ST 4793 R	72.8
ACALA 1517-99	72.8
DPL 458 BG/RR	72.7
SG 215 BR	72.7
FM 989 R	72.7
PSC 355	71.2
STV 4892 BR	71.0

LSD	0.4

LSD	0.39

LSD	3.0

COLORIMETER - b	
STV 4892 BR	9.2
ACALA 1517-99	8.9
SG 215 BR	8.9
ST 4793 R	8.8
STV 580	8.8
SG 501 BG/RR	8.5
DPL 5415 RR	8.4
ALL TEX ATLAS	8.4
DP 451 BRB	8.4
FM 989 R	8.2
FM 991 R	8.1
DPL 458 BG/RR	8.1
PSC 355	8.1
DP 555 R/R	7.8
DELTA PEARL	7.4
LSD	1.0

MICRONAIRE	
STV 4892 BR	4.72
DPL 458 BG/RR	4.72
DPL 5415 RR	4.65
PSC 355	4.58
STV 580	4.52
DELTA PEARL	4.50
ST 4793 R	4.42
DP 451 BRB	4.42
DP 555 R/R	4.38
SG 215 BR	4.37
FM 991 R	4.37
SG 501 BG/RR	4.22
ALL TEX ATLAS	4.18
ACALA 1517-99	4.02
FM 989 R	3.95
LSD	0.37

STELOMETER - E1	
SG 501 BG/RR	9.7
SG 215 BR	9.5
STV 580	9.2
PSC 355	9.2
ST 4793 R	8.9
DPL 5415 RR	8.9
ALL TEX ATLAS	8.9
DPL 458 BG/RR	8.6
STV 4892 BR	8.2
DP 451 BRB	7.7
ACALA 1517-99	7.6
FM 989 R	7.4
FM 991 R	7.2
DELTA PEARL	6.9
DP 555 R/R	6.7
LSD	0.9

STELOMETER - T1	
ACALA 1517-99	248
FM 989 R	233
FM 991 R	230
ALL TEX ATLAS	219
PSC 355	219
SG 501 BG/RR	215
STV 580	214
DELTA PEARL	213
DPL 5415 RR	211
DP 555 R/R	210
ST 4793 R	207
STV 4892 BR	199
DPL 458 BG/RR	199

FIBROGRAPH--50% S.L.	
ACALA 1517-99	0.57
ALL TEX ATLAS	0.56
DELTA PEARL	0.56
DPL 5415 RR	0.55
FM 989 R	0.55
FM 991 R	0.55
STV 580	0.55
DPL 458 BG/RR	0.55
PSC 355	0.55
SG 501 BG/RR	0.55
DP 555 R/R	0.55
DP 451 BRB	0.54
ST 4793 R	0.54

FIBROGRAPH--2.5% S.L.	
ACALA 1517-99	1.21
DELTA PEARL	1.19
FM 991 R	1.17
STV 580	1.15
DP 555 R/R	1.15
DPL 5415 RR	1.15
DP 451 BRB	1.15
FM 989 R	1.14
DPL 458 BG/RR	1.14
PSC 355	1.14
ALL TEX ATLAS	1.13
SG 501 BG/RR	1.13
ST 4793 R	1.12

DP 451 BRB	195
SG 215 BR	187
LSD	21

STV 4892 BR	0.54
SG 215 BR	0.53
LSD	0.02

SG 215 BR	1.11
STV 4892 BR	1.10
LSD	0.04

YARN TENACITY	
ACALA 1517-99	157
FM 989 R	152
FM 991 R	144
ALL TEX ATLAS	139
SG 501 BG/RR	136
DELTA PEARL	135
PSC 355	133
ST 4793 R	132
STV 580	130
DPL 5415 RR	130
DP 555 R/R	130
DP 451 BRB	128
STV 4892 BR	126
DPL 458 BG/RR	126
SG 215 BR	117
LSD	9

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	474
ALL TEX ATLAS	465
DPL 458 BG/RR	424
STV 4892 BR	416
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.
DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	41.6

AREALOMETER - D (mm2/mm3)	
ALL TEX ATLAS	28.7
DPL 458 BG/RR	28.7
ACALA 1517-99	26.1
STV 4892 BR	26.0
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.
DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	8.3

AREALOMETER - I	
DPL 458 BG/RR	1.73
ALL TEX ATLAS	1.73
ACALA 1517-99	1.68
STV 4892 BR	1.68
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.

AREALOMETER - M (PERCENT)	
STV 4892 BR	86
ACALA 1517-99	86
DPL 458 BG/RR	84
ALL TEX ATLAS	84
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.

AREALOMETER - p (Microns)	
DPL 458 BG/RR	51.30
STV 4892 BR	50.77
ALL TEX ATLAS	47.21
ACALA 1517-99	44.56
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.

DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	0.16

DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	6

DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	4.09

AREALOMETER - w (MG/INCH)	
STV 4892 BR	4.76
DPL 458 BG/RR	4.70
ALL TEX ATLAS	4.01
ACALA 1517-99	3.66
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.
DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	0.56

AREALOMETER - t (MICRONS)	
STV 4892 BR	3.0
DPL 458 BG/RR	2.9
ALL TEX ATLAS	2.7
ACALA 1517-99	2.6
FM 989 R	.
FM 991 R	.
SG 501 BG/RR	.
DELTA PEARL	.
PSC 355	.
ST 4793 R	.
STV 580	.
DPL 5415 RR	.
DP 555 R/R	.
DP 451 BRB	.
SG 215 BR	.
LSD	0.3

SEED YIELD (LB/ACRE)	
DP 451 BRB	2031
PSC 355	2021
SG 501 BG/RR	1906
SG 215 BR	1894
STV 580	1856
STV 4892 BR	1806
DPL 458 BG/RR	1799
ST 4793 R	1775
DELTA PEARL	1736
FM 991 R	1732
DPL 5415 RR	1693
DP 555 R/R	1664
FM 989 R	1648
ALL TEX ATLAS	1535
ACALA 1517-99	1428
LSD	357

OIL (PERCENT)	
FM 989 R	19.85
DP 451 BRB	19.53
FM 991 R	19.16
ALL TEX ATLAS	19.12
PSC 355	18.50
ACALA 1517-99	18.49
STV 4892 BR	18.32
STV 580	17.65
DPL 458 BG/RR	17.40

NITROGEN (PERCENT)	
DP 555 R/R	3.79
ACALA 1517-99	3.73
DELTA PEARL	3.68
STV 4892 BR	3.63
ALL TEX ATLAS	3.61
PSC 355	3.60
FM 991 R	3.55
FM 989 R	3.55
ST 4793 R	3.50

PLUS GOSSYPOL	
ST 4793 R	0.93
DP 451 BRB	0.92
STV 4892 BR	0.92
PSC 355	0.85
STV 580	0.83
SG 501 BG/RR	0.80
FM 991 R	0.72
DPL 5415 RR	0.71
DPL 458 BG/RR	0.71

DELTA PEARL	17.28	SG 501 BG/RR	3.47	ALL TEX ATLAS	0.70
SG 501 BG/RR	17.19	DPL 5415 RR	3.43	SG 215 BR	0.68
SG 215 BR	17.11	DP 451 BRB	3.42	FM 989 R	0.66
ST 4793 R	17.02	STV 580	3.39	DELTA PEARL	0.64
DPL 5415 RR	16.53	SG 215 BR	3.37	ACALA 1517-99	0.64
DP 555 R/R	16.07	DPL 458 BG/RR	3.37	DP 555 R/R	0.62
LSD	1.39	LSD	0.21	LSD	0.07

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
STV 4892 BR	0.60	ST 4793 R	1.52
ST 4793 R	0.59	STV 4892 BR	1.51
STV 580	0.59	DP 451 BRB	1.47
SG 501 BG/RR	0.55	STV 580	1.42
DP 451 BRB	0.55	PSC 355	1.35
DPL 5415 RR	0.54	SG 501 BG/RR	1.35
DPL 458 BG/RR	0.52	DPL 5415 RR	1.25
FM 991 R	0.52	DPL 458 BG/RR	1.24
ALL TEX ATLAS	0.51	FM 991 R	1.24
PSC 355	0.50	ALL TEX ATLAS	1.21
SG 215 BR	0.46	SG 215 BR	1.14
FM 989 R	0.46	FM 989 R	1.11
ACALA 1517-99	0.45	ACALA 1517-99	1.09
DELTA PEARL	0.44	DELTA PEARL	1.08
DP 555 R/R	0.43	DP 555 R/R	1.04
LSD	0.05	LSD	0.10

20 REGION=EASTERN
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)

TIFTON, GA	1636	5.09	40.9	5.0	122	1.14	0.55	195	7.9
AUBURN, AL	1145	4.86	38.1	8.9	138	1.13	0.54	225	8.6
BELLE MINA, AL	693	4.75	39.1	10.3	142	1.17	0.55	219	8.3

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
					COLORIMETER HUNTER'S						
LOCATION	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
TIFTON, GA	4.86	1.12	82.8	32.0	8.6	75.1	8.7	4.96	2353	19.46	3.08
AUBURN, AL	4.13	1.09	82.7	32.3	8.5	71.5	8.3	4.14	1871	17.22	3.89
BELLE MINA, AL	4.21	1.13	83.2	33.2	8.3	73.0	8.2	4.25	1081	17.16	3.64

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
LOCATION	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
TIFTON, GA	0.89	0.65	1.55	401	22.6	1.61	89	50.48	4.90	3.1
AUBURN, AL	0.68	0.42	1.10	465	30.1	1.76	83	47.61	3.98	2.6
BELLE MINA, AL	0.69	0.47	1.15	468	29.4	1.75	84	47.29	3.97	2.6

AUBURN, AL

						DIGITAL FIBROGRAPH		STELOMETER	
VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)
1158 PSC 355	1383	4.75	39.0	8.1	137	1.10	0.54	237	11.0
1208 STV 580	1311	4.83	39.0	8.6	136	1.12	0.53	203	9.8
1196 STV 4892 BR	1219	4.83	40.5	9.6	125	1.09	0.54	206	8.8

1224	DP 555 R/R	1211	4.83	42.5	8.1	127	1.12	0.53	220	6.8
1232	SG 215 BR	1180	5.14	37.5	8.9	119	1.11	0.54	200	9.1
1140	DELTA PEARL	1178	4.83	40.0	8.3	134	1.17	0.54	233	7.3
1237	ST 4793 R	1151	4.45	39.5	8.7	135	1.11	0.52	195	9.2
1102	DPL 5415 RR	1136	4.63	38.5	8.0	135	1.15	0.55	227	9.6
1235	FM 989 R	1125	5.28	39.0	9.3	161	1.14	0.56	258	7.4
1152	DPL 458 BG/RR	1122	4.83	39.0	8.1	133	1.13	0.53	217	9.0
1170	SG 501 BG/RR	1092	4.79	37.0	9.1	138	1.11	0.54	222	9.9
1236	FM 991 R	1085	5.11	36.5	8.8	153	1.14	0.54	256	7.7
1234	DP 451 BRB	1052	4.75	32.0	9.0	131	1.13	0.52	207	7.7
1128	ACALA 1517-99	1040	5.12	38.0	10.3	163	1.17	0.57	269	8.1
1019	ALL TEX ATLAS	893	4.79	34.0	10.0	145	1.14	0.56	234	8.7
.	LSD	173	0.35	2.3	0.6	11	0.03	0.03	14	1.6

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1158	PSC 355	4.00	1.10	83.0	33.5	9.2	70.0	8.3	4.00	2098	18.01	3.96
1208	STV 580	4.35	1.10	82.1	31.5	8.9	73.5	9.3	4.50	2122	16.96	3.80
1196	STV 4892 BR	4.45	1.05	83.0	30.5	8.3	71.0	9.7	4.55	1805	17.09	4.03
1224	DP 555 R/R	4.15	1.10	81.6	31.0	8.1	73.5	7.3	4.15	1584	15.91	4.12
1232	SG 215 BR	4.20	1.10	83.1	29.0	9.0	71.5	9.4	4.25	1849	15.45	3.82
1140	DELTA PEARL	4.20	1.10	82.2	31.5	7.7	71.5	7.8	4.20	1835	16.46	4.14
1237	ST 4793 R	3.95	1.05	82.2	30.0	8.4	72.0	9.2	3.95	1679	16.17	3.96
1102	DPL 5415 RR	4.45	1.10	83.3	32.5	8.8	71.5	7.4	4.45	2009	15.13	3.69
1235	FM 989 R	3.60	1.10	83.3	35.0	8.0	71.0	7.8	3.60	1870	19.21	3.80
1152	DPL 458 BG/RR	4.35	1.10	82.3	32.5	8.9	67.0	7.0	4.35	1944	17.55	3.71
1170	SG 501 BG/RR	3.65	1.05	83.3	31.5	9.0	70.0	8.1	3.65	1828	15.78	3.76
1236	FM 991 R	4.35	1.10	83.4	34.5	8.3	71.5	8.1	4.35	2013	18.69	3.86
1234	DP 451 BRB	4.20	1.10	82.5	29.5	8.2	72.0	8.3	4.05	1968	18.37	3.83
1128	ACALA 1517-99	3.85	1.10	83.3	37.5	8.8	72.0	8.7	3.85	1692	18.82	4.06
1019	ALL TEX ATLAS	4.15	1.10	82.1	34.0	8.1	74.0	8.6	4.15	1772	18.69	3.88
.	LSD	0.54	0.07	1.0	2.8	0.8	4.6	1.6	0.44	341	1.02	0.28

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

VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1158	PSC 355	0.75	0.40	1.15	.	.	.	.	.	.	.
1208	STV 580	0.77	0.49	1.25	.	.	.	.	.	.	.
1196	STV 4892 BR	0.83	0.49	1.31	437	27.0	1.70	86	48.90	4.34	2.8
1224	DP 555 R/R	0.53	0.33	0.86	.	.	.	.	.	.	.
1232	SG 215 BR	0.58	0.37	0.95	.	.	.	.	.	.	.
1140	DELTA PEARL	0.56	0.33	0.88	.	.	.	.	.	.	.
1237	ST 4793 R	0.86	0.51	1.37	.	.	.	.	.	.	.
1102	DPL 5415 RR	0.66	0.46	1.10	.	.	.	.	.	.	.
1235	FM 989 R	0.62	0.38	0.99	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.70	0.47	1.17	461	35.8	1.87	79	50.94	4.28	2.6
1170	SG 501 BG/RR	0.71	0.47	1.17	.	.	.	.	.	.	.
1236	FM 991 R	0.68	0.44	1.11	.	.	.	.	.	.	.
1234	DP 451 BRB	0.82	0.43	1.25	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.57	0.36	0.93	490	24.8	1.66	87	42.41	3.35	2.5
1019	ALL TEX ATLAS	0.63	0.42	1.05	471	32.8	1.81	81	48.20	3.95	2.6
.	LSD	0.06	0.06	0.11	62.2	8.2	0.15	6	6.29	0.90	0.4

TIFTON, GA

VARIETY		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 (%)
1224	DP 555 R/R	2100	5.46	44.5	6.0	132	1.19	0.56	202	6.6
1232	SG 215 BR	1930	5.05	43.2	5.0	108	1.09	0.52	165	9.0
1158	PSC 355	1872	4.77	41.6	6.0	121	1.13	0.56	194	8.2
1140	DELTA PEARL	1801	4.94	41.9	5.0	135	1.21	0.58	201	6.5
1208	STV 580	1736	5.42	41.9	5.0	111	1.12	0.55	191	8.8
1152	DPL 458 BG/RR	1713	5.26	40.2	5.0	108	1.13	0.55	173	7.9
1196	STV 4892 BR	1698	5.68	42.3	4.0	117	1.09	0.52	183	8.3
1234	DP 451 BRB	1693	4.85	38.5	4.5	116	1.14	0.55	188	7.9
1237	ST 4793 R	1693	5.33	42.4	5.0	119	1.10	0.54	195	8.2

1170	SG 501 BG/RR	1659	5.10	39.4	4.5	125	1.11	0.55	192	9.7
1235	FM 989 R	1576	5.11	41.5	5.0	136	1.12	0.55	213	7.4
1236	FM 991 R	1507	5.48	39.3	5.0	128	1.17	0.55	208	6.7
1102	DPL 5415 RR	1443	4.47	39.4	5.5	120	1.14	0.56	198	7.9
1128	ACALA 1517-99	1113	4.60	39.8	4.0	140	1.20	0.57	223	7.3
1019	ALL TEX ATLAS	1013	4.85	37.3	5.0	124	1.10	0.55	206	8.7
.	LSD	257	0.96	2.2	1.5	10	0.03	0.03	12	1.3

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1224	DP 555 R/R	4.75	1.15	83.0	33.5	8.0	79.0	8.0	4.75	2620	16.09	3.30
1232	SG 215 BR	4.95	1.10	82.8	28.0	8.8	74.5	9.0	5.05	2535	19.47	2.96
1158	PSC 355	5.20	1.10	82.9	32.0	9.4	73.0	9.0	5.20	2640	19.82	3.24
1140	DELTA PEARL	4.75	1.20	84.6	32.5	7.9	78.5	8.0	4.85	2500	18.41	3.01
1208	STV 580	5.00	1.10	82.6	29.5	9.0	73.0	9.0	5.30	2412	20.04	2.96
1152	DPL 458 BG/RR	5.10	1.10	82.3	30.5	8.7	76.5	8.5	5.10	2553	18.99	2.85
1196	STV 4892 BR	5.25	1.10	82.6	31.5	9.0	72.5	9.0	5.40	2322	19.14	3.11
1234	DP 451 BRB	4.90	1.10	83.0	31.0	8.8	76.0	8.5	5.10	2700	21.06	2.96
1237	ST 4793 R	5.25	1.10	82.3	31.0	8.7	73.0	9.0	5.45	2300	19.26	3.16
1170	SG 501 BG/RR	4.85	1.10	82.6	31.5	8.9	73.5	9.0	5.00	2552	19.31	3.14
1235	FM 989 R	4.45	1.10	82.3	34.0	8.0	74.5	8.0	4.55	2226	20.69	2.90
1236	FM 991 R	4.45	1.15	83.0	33.5	8.3	76.0	8.5	4.55	2332	20.09	3.06
1102	DPL 5415 RR	4.80	1.15	83.8	33.5	8.8	76.5	9.0	4.85	2219	18.39	3.07
1128	ACALA 1517-99	4.45	1.15	82.9	36.0	8.3	75.0	9.0	4.45	1682	20.59	3.37
1019	ALL TEX ATLAS	4.75	1.10	82.1	32.5	8.9	74.5	8.5	4.75	1702	20.62	3.16
.	LSD	0.49	0.08	1.6	1.9	0.5	2.0	0.8	0.52	348	2.10	0.22

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1224	DP 555 R/R	0.75	0.58	1.33	.	.	.	.	.	.	.
1232	SG 215 BR	0.88	0.61	1.49	.	.	.	.	.	.	.
1158	PSC 355	1.02	0.64	1.66	.	.	.	.	.	.	.
1140	DELTA PEARL	0.77	0.58	1.35	.	.	.	.	.	.	.

1208	STV 580	0.98	0.76	1.74	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.79	0.63	1.42	393	25.3	1.67	87	53.22	5.24	3.2
1196	STV 4892 BR	1.07	0.74	1.81	369	19.5	1.54	92	52.26	5.47	3.4
1234	DP 451 BRB	1.06	0.67	1.73	.	.	.	.	.	.	.
1237	ST 4793 R	1.13	0.77	1.89	.	.	.	.	.	.	.
1170	SG 501 BG/RR	0.98	0.69	1.67	.	.	.	.	.	.	.
1235	FM 989 R	0.77	0.59	1.36	.	.	.	.	.	.	.
1236	FM 991 R	0.79	0.63	1.42	.	.	.	.	.	.	.
1102	DPL 5415 RR	0.81	0.62	1.42	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.80	0.61	1.41	436	22.0	1.59	90	45.90	4.07	2.9
1019	ALL TEX ATLAS	0.84	0.69	1.52	405	23.5	1.63	88	50.54	4.83	3.1
.	LSD	0.05	0.05	0.10	31.7	14.1	0.31	12	8.21	0.85	0.4

BELLE MINA, AL

VARIETY		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 (%)
1170	SG 501 BG/RR	864	4.97	41.0	10.8	146	1.16	0.55	232	9.4
1237	ST 4793 R	849	4.50	41.0	10.7	141	1.15	0.55	231	9.5
1232	SG 215 BR	846	4.99	41.0	10.8	125	1.13	0.53	197	10.5
1158	PSC 355	839	4.18	40.0	10.9	141	1.19	0.54	226	8.4
1196	STV 4892 BR	806	5.14	41.0	10.2	137	1.13	0.56	207	7.5
1234	DP 451 BRB	767	5.27	37.0	11.4	137	1.17	0.55	191	7.4
1208	STV 580	674	4.83	38.0	9.9	145	1.22	0.56	248	9.2
1140	DELTA PEARL	627	4.47	40.5	9.4	137	1.19	0.56	205	6.9
1019	ALL TEX ATLAS	622	4.81	35.0	11.4	149	1.15	0.56	218	9.3
1236	FM 991 R	607	4.97	37.5	10.1	152	1.19	0.56	228	7.2
1224	DP 555 R/R	600	4.33	41.5	8.4	131	1.15	0.55	208	6.9
1102	DPL 5415 RR	599	4.55	40.5	9.2	136	1.15	0.55	208	9.3
1235	FM 989 R	597	5.21	39.0	10.6	160	1.17	0.54	230	7.3
1152	DPL 458 BG/RR	560	4.16	38.0	9.5	136	1.16	0.56	206	8.9
1128	ACALA 1517-99	542	4.86	36.0	11.6	169	1.25	0.59	253	7.5

.	LSD	130	0.75	1.1	1.0	6	0.02	0.02	20	1.7	

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1170	SG 501 BG/RR	4.15	1.10	83.9	33.5	9.0	76.5	8.3	4.25	1338	16.49	3.50
1237	ST 4793 R	4.05	1.10	82.9	33.0	8.6	73.5	8.3	4.10	1345	15.64	3.39
1232	SG 215 BR	3.95	1.10	83.1	30.5	8.8	72.0	8.4	4.00	1299	16.41	3.34
1158	PSC 355	4.55	1.10	83.4	34.5	9.1	70.5	7.0	4.55	1327	17.66	3.60
1196	STV 4892 BR	4.45	1.15	84.6	31.5	8.4	69.5	9.0	4.45	1290	18.72	3.76
1234	DP 451 BRB	4.15	1.10	83.1	29.0	7.6	75.5	8.3	4.15	1425	19.16	3.49
1208	STV 580	4.20	1.20	83.1	36.0	8.4	73.0	8.1	4.30	1035	15.94	3.41
1140	DELTA PEARL	4.55	1.15	82.3	33.0	7.5	73.0	6.5	4.55	872	16.97	3.90
1019	ALL TEX ATLAS	3.65	1.10	83.1	31.5	8.1	72.5	8.1	3.75	1131	18.06	3.79
1236	FM 991 R	4.30	1.20	83.4	35.5	7.9	74.5	7.8	4.40	851	18.70	3.74
1224	DP 555 R/R	4.25	1.10	80.9	32.0	7.5	74.5	8.0	4.25	790	16.22	3.96
1102	DPL 5415 RR	4.70	1.10	83.1	32.5	8.9	71.0	8.9	4.70	850	16.06	3.54
1235	FM 989 R	3.80	1.10	82.7	35.5	7.7	72.5	8.7	3.80	849	19.66	3.94
1152	DPL 458 BG/RR	4.70	1.15	83.0	33.0	8.5	74.5	8.9	4.70	901	15.68	3.55
1128	ACALA 1517-99	3.75	1.20	85.1	36.5	8.1	71.5	9.1	3.75	911	16.06	3.76
.	LSD	0.70	0.07	1.9	1.6	0.5	5.1	1.1	0.74	197	1.44	0.41

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1170	SG 501 BG/RR	0.72	0.49	1.21	.	.	.	.	.	.	.
1237	ST 4793 R	0.79	0.50	1.29	.	.	.	.	.	.	.
1232	SG 215 BR	0.57	0.41	0.98	.	.	.	.	.	.	.
1158	PSC 355	0.78	0.47	1.25	.	.	.	.	.	.	.
1196	STV 4892 BR	0.85	0.58	1.42	441	31.5	1.79	82	51.14	4.49	2.8
1234	DP 451 BRB	0.88	0.55	1.42	.	.	.	.	.	.	.
1208	STV 580	0.75	0.53	1.27	.	.	.	.	.	.	.
1140	DELTA PEARL	0.61	0.40	1.00	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.64	0.44	1.07	519	29.8	1.76	84	42.89	3.26	2.4
1236	FM 991 R	0.69	0.49	1.18	.	.	.	.	.	.	.

1224	DP 555 R/R	0.57	0.37	0.94	.	.	.	.	.	.	.
1102	DPL 5415 RR	0.68	0.54	1.22	.	.	.	.	.	.	.
1235	FM 989 R	0.60	0.40	0.99	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.65	0.47	1.12	420	25.0	1.66	87	49.76	4.60	3.0
1128	ACALA 1517-99	0.56	0.39	0.95	495	31.5	1.79	82	45.37	3.55	2.5
.	LSD	0.12	0.12	0.21	99.4	16.6	0.32	13	12.18	1.53	0.5

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 DELTA REGIONAL COTTON VARIETY TEST

DELTA
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 (%)
1168	PAYMASTER 1218BG/RR	1196	5.40	39.0	11.3	123	1.12	0.55	196	7.6
1163	SUREGROW 105	1174	5.04	38.6	10.5	138	1.18	0.58	209	7.4
1075	STV BXN 47	1146	4.67	39.9	10.1	140	1.17	0.57	221	6.5
1175	FIBERMAX 966	1143	5.49	39.3	11.0	141	1.17	0.56	214	6.9
1158	PSC 355	1097	4.66	39.2	10.2	125	1.15	0.57	196	8.5
1196	STV 4892 BR	1078	4.90	40.2	10.3	126	1.14	0.56	204	7.8
1155	DPL 451 BRR	1031	4.61	35.2	10.3	122	1.15	0.55	193	7.8
1152	DPL 458 BG/RR	1028	4.14	38.8	8.0	124	1.14	0.56	201	8.2
1128	ACALA 1517-99	877	5.01	36.9	11.1	148	1.23	0.59	244	6.9
1019	ALL TEX ATLAS	840	5.41	35.0	11.6	129	1.12	0.55	213	7.9

.	LSD	231	0.54	1.5	0.9	19	0.03	0.02	28	1.4	

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1168	PAYMASTER 1218BG/RR	4.57	1.10	83.7	29.3	8.2	72.7	8.5	4.75	1820	19.76	3.82
1163	SUREGROW 105	4.48	1.18	85.4	32.7	8.4	73.2	8.3	4.62	1896	19.99	3.47
1075	STV BXN 47	4.70	1.20	84.6	33.5	8.1	72.5	8.2	4.88	1792	21.88	3.51
1175	FIBERMAX 966	4.21	1.15	84.2	33.2	8.0	72.8	8.4	4.23	1726	19.09	3.41
1158	PSC 355	4.80	1.15	84.6	30.8	9.1	71.5	8.0	4.93	1665	20.66	3.69
1196	STV 4892 BR	4.55	1.10	83.7	31.2	8.4	72.2	8.7	4.63	1472	18.28	3.48
1155	DPL 451 BRR	4.30	1.13	83.6	27.5	7.9	74.3	8.1	4.38	1853	18.04	3.30
1152	DPL 458 BG/RR	4.27	1.13	83.7	29.5	8.0	74.8	7.8	4.42	1584	20.29	3.19
1128	ACALA 1517-99	3.90	1.20	84.8	35.0	8.3	70.5	8.1	3.95	1412	19.97	3.73
1019	ALL TEX ATLAS	4.55	1.10	83.2	31.8	8.6	72.0	8.3	4.52	1496	18.79	3.65
.	LSD	0.60	0.05	1.0	3.4	0.5	2.2	0.9	0.58	398	2.89	0.33

VARIETY CODE	VARIETY NAME	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1168	PAYMASTER 1218BG/RR	0.75	0.49	1.24	.	.	.	.	.	.	.
1163	SUREGROW 105	1.03	0.74	1.76	.	.	.	.	.	.	.
1075	STV BXN 47	1.00	0.71	1.70	.	.	.	.	.	.	.
1175	FIBERMAX 966	0.86	0.63	1.50	.	.	.	.	.	.	.
1158	PSC 355	0.91	0.56	1.47	.	.	.	.	.	.	.
1196	STV 4892 BR	1.03	0.70	1.73	434	29.8	1.74	84	50.73	4.63	2.9
1155	DPL 451 BRR	0.94	0.58	1.52	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.68	0.54	1.22	450	28.5	1.72	85	48.03	4.20	2.8
1128	ACALA 1517-99	0.71	0.52	1.23	467	25.1	1.66	87	44.56	3.69	2.7
1019	ALL TEX ATLAS	0.82	0.64	1.46	431	24.8	1.66	87	48.21	4.33	2.9
.	LSD	0.27	0.12	0.38	66.0	10.7	0.21	8	2.16	0.79	0.5

REGION=DELTA
INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
FIBERMAX 966	5.49
ALL TEX ATLAS	5.41
PAYMASTER 1218BG/RR	5.40
SUREGROW 105	5.04
ACALA 1517-99	5.01
STV 4892 BR	4.90
STV BXN 47	4.67
PSC 355	4.66
DPL 451 BRR	4.61
DPL 458 BG/RR	4.14
LSD	0.54

REGION=DELTA

LINT PERCENT	
STV 4892 BR	40.2
STV BXN 47	39.9
FIBERMAX 966	39.3
PSC 355	39.2
PAYMASTER 1218BG/RR	39.0
DPL 458 BG/RR	38.8
SUREGROW 105	38.6
ACALA 1517-99	36.9
DPL 451 BRR	35.2
ALL TEX ATLAS	35.0
LSD	1.5

REGION=DELTA

SEED INDEX	
ALL TEX ATLAS	11.6
PAYMASTER 1218BG/RR	11.3
ACALA 1517-99	11.1
FIBERMAX 966	11.0
SUREGROW 105	10.5
STV 4892 BR	10.3
DPL 451 BRR	10.3
PSC 355	10.2
STV BXN 47	10.1
DPL 458 BG/RR	8.0
LSD	0.9

2.5% S.L. (INCHES)	
ACALA 1517-99	1.20
STV BXN 47	1.20
SUREGROW 105	1.18
FIBERMAX 966	1.15
PSC 355	1.15
DPL 451 BRR	1.13
DPL 458 BG/RR	1.13
ALL TEX ATLAS	1.10
PAYMASTER 1218BG/RR	1.10
STV 4892 BR	1.10
LSD	0.05

UR (PERCENT)	
SUREGROW 105	85.4
ACALA 1517-99	84.8
STV BXN 47	84.6
PSC 355	84.6
FIBERMAX 966	84.2
STV 4892 BR	83.7
PAYMASTER 1218BG/RR	83.7
DPL 458 BG/RR	83.7
DPL 451 BRR	83.6
ALL TEX ATLAS	83.2
LSD	1.0

STRENGTH (G/TEX)	
ACALA 1517-99	35.0
STV BXN 47	33.5
FIBERMAX 966	33.2
SUREGROW 105	32.7
ALL TEX ATLAS	31.8
STV 4892 BR	31.2
PSC 355	30.8
DPL 458 BG/RR	29.5
PAYMASTER 1218BG/RR	29.3
DPL 451 BRR	27.5
LSD	3.4

E	

MICRONAIRE (SL-HVI)	

COLORIMETER - Rd	

PSC 355	9.1
ALL TEX ATLAS	8.6
SUREGROW 105	8.4
STV 4892 BR	8.4
ACALA 1517-99	8.3
PAYMASTER 1218BG/RR	8.2
STV BXN 47	8.1
DPL 458 BG/RR	8.0
FIBERMAX 966	8.0
DPL 451 BRR	7.9
LSD	0.5

PSC 355	4.93
STV BXN 47	4.88
PAYMASTER 1218BG/RR	4.75
STV 4892 BR	4.63
SUREGROW 105	4.62
ALL TEX ATLAS	4.52
DPL 458 BG/RR	4.42
DPL 451 BRR	4.38
FIBERMAX 966	4.23
ACALA 1517-99	3.95
LSD	0.58

DPL 458 BG/RR	74.8
DPL 451 BRR	74.3
SUREGROW 105	73.2
FIBERMAX 966	72.8
PAYMASTER 1218BG/RR	72.7
STV BXN 47	72.5
STV 4892 BR	72.2
ALL TEX ATLAS	72.0
PSC 355	71.5
ACALA 1517-99	70.5
LSD	2.2

COLORIMETER - b

STV 4892 BR	8.7
PAYMASTER 1218BG/RR	8.5
FIBERMAX 966	8.4
SUREGROW 105	8.3
ALL TEX ATLAS	8.3
STV BXN 47	8.2
ACALA 1517-99	8.1
DPL 451 BRR	8.1
PSC 355	8.0
DPL 458 BG/RR	7.8
LSD	0.9

MICRONAIRE

PSC 355	4.80
STV BXN 47	4.70
PAYMASTER 1218BG/RR	4.57
STV 4892 BR	4.55
ALL TEX ATLAS	4.55
SUREGROW 105	4.48
DPL 451 BRR	4.30
DPL 458 BG/RR	4.27
FIBERMAX 966	4.21
ACALA 1517-99	3.90
LSD	0.60

STELOMETER - E1

PSC 355	8.5
DPL 458 BG/RR	8.2
ALL TEX ATLAS	7.9
STV 4892 BR	7.8
DPL 451 BRR	7.8
PAYMASTER 1218BG/RR	7.6
SUREGROW 105	7.4
ACALA 1517-99	6.9
FIBERMAX 966	6.9
STV BXN 47	6.5
LSD	1.4

STELOMETER - T1

ACALA 1517-99	244
STV BXN 47	221
FIBERMAX 966	214
ALL TEX ATLAS	213
SUREGROW 105	209
STV 4892 BR	204
DPL 458 BG/RR	201
PSC 355	196
PAYMASTER 1218BG/RR	196

FIBROGRAPH--50% S.L.

ACALA 1517-99	0.59
SUREGROW 105	0.58
STV BXN 47	0.57
PSC 355	0.57
FIBERMAX 966	0.56
DPL 458 BG/RR	0.56
STV 4892 BR	0.56
PAYMASTER 1218BG/RR	0.55
ALL TEX ATLAS	0.55

FIBROGRAPH--2.5% S.L.

ACALA 1517-99	1.23
SUREGROW 105	1.18
STV BXN 47	1.17
FIBERMAX 966	1.17
PSC 355	1.15
DPL 451 BRR	1.15
DPL 458 BG/RR	1.14
STV 4892 BR	1.14
ALL TEX ATLAS	1.12

DPL 451 BRR	193
LSD	28

DPL 451 BRR	0.55
LSD	0.02

PAYMASTER 1218BG/RR	1.12
LSD	0.03

YARN TENACITY	
ACALA 1517-99	148
FIBERMAX 966	141
STV BXN 47	140
SUREGROW 105	138
ALL TEX ATLAS	129
STV 4892 BR	126
PSC 355	125
DPL 458 BG/RR	124
PAYMASTER 1218BG/RR	123
DPL 451 BRR	122
LSD	19

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	467
DPL 458 BG/RR	450
STV 4892 BR	434
ALL TEX ATLAS	431
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	66.0

AREALOMETER - D (mm2/mm3)	
STV 4892 BR	29.8
DPL 458 BG/RR	28.5
ACALA 1517-99	25.1
ALL TEX ATLAS	24.8
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	10.7

AREALOMETER - I	
STV 4892 BR	1.74
DPL 458 BG/RR	1.72
ACALA 1517-99	1.66
ALL TEX ATLAS	1.66
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.21

AREALOMETER - M (PERCENT)	
ACALA 1517-99	87
ALL TEX ATLAS	87
DPL 458 BG/RR	85
STV 4892 BR	84
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	8

AREALOMETER - p (Microns)	
STV 4892 BR	50.73
ALL TEX ATLAS	48.21
DPL 458 BG/RR	48.03
ACALA 1517-99	44.56
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	2.16

AREALOMETER - w (MG/INCH)	
STV 4892 BR	4.63
ALL TEX ATLAS	4.33

AREALOMETER - t (MICRONS)	
STV 4892 BR	2.9
ALL TEX ATLAS	2.9

SEED YIELD (LB/ACRE)	
STV BXN 47	1643
SUREGROW 105	1630

DPL 458 BG/RR	4.20
ACALA 1517-99	3.69
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.79

DPL 458 BG/RR	2.8
ACALA 1517-99	2.7
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.5

DPL 451 BRR	1583
PSC 355	1454
PAYMASTER 1218BG/RR	1437
DPL 458 BG/RR	1409
FIBERMAX 966	1355
STV 4892 BR	1246
ACALA 1517-99	1156
ALL TEX ATLAS	1094
LSD	395

OIL (PERCENT)	
STV BXN 47	21.88
PSC 355	20.66
DPL 458 BG/RR	20.29
SUREGROW 105	19.99
ACALA 1517-99	19.97
PAYMASTER 1218BG/RR	19.76
FIBERMAX 966	19.09
ALL TEX ATLAS	18.79
STV 4892 BR	18.28
DPL 451 BRR	18.04
LSD	2.89

NITROGEN (PERCENT)	
PAYMASTER 1218BG/RR	3.82
ACALA 1517-99	3.73
PSC 355	3.69
ALL TEX ATLAS	3.65
STV BXN 47	3.51
STV 4892 BR	3.48
SUREGROW 105	3.47
FIBERMAX 966	3.41
DPL 451 BRR	3.30
DPL 458 BG/RR	3.19
LSD	0.33

PLUS GOSSYPOL	
STV 4892 BR	1.03
SUREGROW 105	1.03
STV BXN 47	1.00
DPL 451 BRR	0.94
PSC 355	0.91
FIBERMAX 966	0.86
ALL TEX ATLAS	0.82
PAYMASTER 1218BG/RR	0.75
ACALA 1517-99	0.71
DPL 458 BG/RR	0.68
LSD	0.27

MINUS GOSSYPOL	
SUREGROW 105	0.74
STV BXN 47	0.71
STV 4892 BR	0.70
ALL TEX ATLAS	0.64
FIBERMAX 966	0.63
DPL 451 BRR	0.58
PSC 355	0.56
DPL 458 BG/RR	0.54
ACALA 1517-99	0.52
PAYMASTER 1218BG/RR	0.49
LSD	0.12

TOTAL GOSSYPOL (PERCENT)	
SUREGROW 105	1.76
STV 4892 BR	1.73
STV BXN 47	1.70
DPL 451 BRR	1.52
FIBERMAX 966	1.50
PSC 355	1.47
ALL TEX ATLAS	1.46
PAYMASTER 1218BG/RR	1.24
ACALA 1517-99	1.23
DPL 458 BG/RR	1.22
LSD	0.38

40 REGION=DELTA
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
SAINT JOSEPH, LA	1161	5.22	38.2	10.4	131	1.16	0.56	208	7.4
STONEVILLE, MS	1160	5.37	39.1	11.4	129	1.16	0.56	208	7.7
CLARKEDALE, AR	829	4.16	37.0	9.7	135	1.16	0.56	211	7.7

LOCATION	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
SAINT JOSEPH, LA	4.81	1.15	84.5	32.3	8.7	72.0	6.9	4.96	1805	20.57	3.16
STONEVILLE, MS	4.54	1.14	84.1	30.8	8.2	73.4	10.0	4.59	1825	19.42	3.86
CLARKEDALE, AR	3.86	1.14	83.8	31.1	8.1	72.6	7.8	3.95	1340	18.70	3.56

LOCATION	GOSSYPOL LEVELS PLUS (+)	GOSSYPOL LEVELS MINUS (-)	GOSSYPOL LEVELS TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	AREALOMETER DATA D (mm2/mm3)	AREALOMETER DATA I	AREALOMETER DATA M (%)	AREALOMETER DATA p (microns)	AREALOMETER DATA w (mg/in)	AREALOMETER DATA t (microns)
SAINT JOSEPH, LA	0.98	0.69	1.67	411	20.2	1.55	91	47.70	4.53	3.1
STONEVILLE, MS	0.78	0.57	1.36	433	25.9	1.68	86	48.72	4.37	2.9
CLARKEDALE, AR	0.84	0.55	1.39	493	35.0	1.85	80	47.23	3.73	2.5

SAINT JOSEPH, LA

VARIETY	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 (%)
1075 STV BXN 47	1344	4.75	39.7	10.0	125	1.16	0.57	197	7.7
1175 FIBERMAX 966	1315	5.90	38.8	11.5	160	1.19	0.58	238	5.6
1168 PAYMASTER 1218BG/RR	1277	5.60	39.1	11.1	118	1.13	0.56	182	7.7
1155 DPL 451 BRR	1255	5.00	35.7	10.2	126	1.15	0.55	191	7.2
1158 PSC 355	1226	5.00	38.8	10.0	128	1.17	0.57	195	8.7
1163 SUREGROW 105	1200	5.35	38.3	10.2	131	1.16	0.57	212	8.0
1196 STV 4892 BR	1153	5.40	39.9	10.7	124	1.16	0.56	202	7.2
1152 DPL 458 BG/RR	1024	4.45	39.8	8.5	121	1.14	0.56	191	8.2
1128 ACALA 1517-99	921	5.40	37.1	10.8	148	1.21	0.59	243	6.3
1019 ALL TEX ATLAS	901	5.35	35.2	11.5	133	1.11	0.55	228	7.4
. LSD	137	0.36	1.3	0.6	5	0.02	0.03	18	1.8

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1075 STV BXN 47	4.95	1.20	84.5	32.0	8.7	71.5	6.9	5.20	2161	23.29	3.15
1175 FIBERMAX 966	4.55	1.20	85.2	38.5	7.9	72.0	6.5	4.65	2002	20.51	3.05
1168 PAYMASTER 1218BG/RR	4.85	1.10	84.0	30.0	8.4	72.0	7.3	5.10	1914	22.01	3.26
1155 DPL 451 BRR	4.80	1.15	84.3	27.5	8.3	72.5	6.3	4.95	2055	16.25	3.05
1158 PSC 355	4.85	1.20	84.6	31.5	9.4	71.5	7.0	5.00	1915	22.19	3.38
1163 SUREGROW 105	5.20	1.15	85.1	34.0	8.9	73.5	6.9	5.40	1855	22.03	3.19
1196 STV 4892 BR	5.30	1.10	84.4	32.0	8.9	71.5	7.2	5.40	1577	19.62	3.07
1152 DPL 458 BG/RR	5.00	1.10	84.2	29.5	8.7	74.5	6.8	5.10	1420	21.74	2.56
1128 ACALA 1517-99	4.15	1.20	86.0	36.0	8.6	69.0	6.7	4.20	1518	20.91	3.50
1019 ALL TEX ATLAS	4.45	1.10	83.2	31.5	8.9	72.0	7.1	4.60	1634	17.22	3.42
. LSD	0.33	0.07	0.5	1.8	0.4	1.8	0.6	0.19	283	1.18	0.22

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

VARIETY	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1075 STV BXN 47	1.27	0.85	2.11	.	.	.	.	.	.	.
1175 FIBERMAX 966	0.62	0.59	1.21	.	.	.	.	.	.	.
1168 PAYMASTER 1218BG/RR	0.88	0.57	1.45	.	.	.	.	.	.	.
1155 DPL 451 BRR	1.06	0.66	1.72	.	.	.	.	.	.	.
1158 PSC 355	1.07	0.68	1.75	.	.	.	.	.	.	.
1163 SUREGROW 105	1.28	0.88	2.16	.	.	.	.	.	.	.
1196 STV 4892 BR	1.19	0.82	2.01	375	19.8	1.54	92	51.80	5.35	3.4
1152 DPL 458 BG/RR	0.73	0.60	1.33	394	18.0	1.51	93	47.96	4.71	3.3
1128 ACALA 1517-99	0.82	0.61	1.43	445	19.8	1.55	92	43.62	3.80	2.9
1019 ALL TEX ATLAS	0.88	0.71	1.58	430	23.3	1.63	89	47.42	4.27	2.9
. LSD	0.04	0.04	0.09	38.4	5.6	0.13	4	3.99	0.80	0.4

STONEVILLE, MS

VARIETY	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 (%)
1168 PAYMASTER 1218BG/RR	1414	6.07	40.9	12.2	124	1.11	0.56	213	8.1
1163 SUREGROW 105	1368	5.18	40.2	11.4	131	1.19	0.59	198	7.0
1175 FIBERMAX 966	1191	6.42	40.1	12.5	121	1.14	0.56	188	8.1
1196 STV 4892 BR	1188	5.50	41.7	10.9	126	1.12	0.56	202	8.8
1158 PSC 355	1187	5.06	39.9	10.9	120	1.15	0.57	199	8.0
1152 DPL 458 BG/RR	1147	4.59	38.3	.	126	1.14	0.56	204	8.3
1019 ALL TEX ATLAS	1142	6.08	36.5	12.4	125	1.14	0.57	197	8.3
1155 DPL 451 BRR	1021	4.98	36.3	11.0	113	1.16	0.54	193	8.2
1128 ACALA 1517-99	1000	5.29	37.3	11.9	147	1.23	0.58	237	7.3
1075 STV BXN 47	949	4.58	40.1	10.1	156	1.18	0.57	246	5.3
. LSD	151	0.32	1.0	0.6	13	0.04	0.04	18	1.3

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

VARIETY	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1168 PAYMASTER 1218BG/RR	5.10	1.10	84.0	29.0	8.3	72.5	10.0	5.20	2080	19.33	4.30
1163 SUREGROW 105	4.55	1.20	85.7	31.0	8.5	73.5	10.0	4.70	2120	19.14	3.68
1175 FIBERMAX 966	4.35	1.10	83.5	29.5	8.3	73.5	10.5	4.30	1776	17.72	3.70
1196 STV 4892 BR	4.55	1.10	83.3	30.5	8.2	72.5	10.0	4.60	1629	18.21	4.05
1158 PSC 355	5.10	1.15	85.1	31.0	9.0	71.5	10.0	5.10	1805	20.60	4.03
1152 DPL 458 BG/RR	4.30	1.15	83.7	30.0	7.7	74.0	10.0	4.45	1965	18.82	3.71
1019 ALL TEX ATLAS	4.70	1.10	83.3	31.0	8.6	74.5	9.6	4.55	1916	19.41	3.82
1155 DPL 451 BRR	4.40	1.10	83.5	27.5	7.7	75.5	10.0	4.55	1901	19.28	3.69
1128 ACALA 1517-99	3.90	1.20	84.2	33.5	8.1	72.5	10.0	3.90	1631	21.27	3.80
1075 STV BXN 47	4.45	1.20	84.8	35.0	7.5	73.5	9.5	4.55	1423	20.48	3.88
. LSD	0.29	0.07	2.4	2.9	0.4	3.7	0.6	0.20	382	1.47	0.36

VARIETY	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1168 PAYMASTER 1218BG/RR	0.64	0.51	1.15	.	.	.	.	.	.	.
1163 SUREGROW 105	0.96	0.71	1.67	.	.	.	.	.	.	.
1175 FIBERMAX 966	1.01	0.68	1.68	.	.	.	.	.	.	.
1196 STV 4892 BR	0.90	0.63	1.52	410	26.5	1.69	86	51.73	4.88	3.0
1158 PSC 355	0.77	0.49	1.26	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.64	0.51	1.15	434	26.3	1.69	86	48.70	4.34	2.9
1019 ALL TEX ATLAS	0.77	0.65	1.42	419	24.8	1.66	87	49.64	4.59	3.0
1155 DPL 451 BRR	0.81	0.52	1.33	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.62	0.49	1.11	471	26.0	1.68	87	44.83	3.68	2.6
1075 STV BXN 47	0.73	0.57	1.30	.	.	.	.	.	.	.
. LSD	0.21	0.21	0.28	46.6	9.7	0.19	8	2.56	0.47	0.3

CLARKEDALE, AR

VARIETY	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 (%)
1163 SUREGROW 105	954	4.61	37.3	9.8	153	1.20	0.59	218	7.3
1175 FIBERMAX 966	923	4.14	39.0	9.1	144	1.18	0.56	217	7.0
1152 DPL 458 BG/RR	914	3.40	38.4	7.5	126	1.15	0.57	208	8.2
1168 PAYMASTER 1218BG/RR	897	4.52	37.0	10.8	127	1.11	0.54	194	7.0
1196 STV 4892 BR	894	3.81	39.2	9.5	128	1.14	0.56	209	7.5
1158 PSC 355	879	3.92	38.8	9.8	128	1.14	0.57	196	8.9
1155 DPL 451 BRR	817	3.86	33.6	9.8	128	1.15	0.55	196	8.0
1128 ACALA 1517-99	709	4.35	36.2	10.7	150	1.24	0.61	252	7.2
1019 ALL TEX ATLAS	478	4.82	33.4	10.9	129	1.12	0.54	213	7.9
. LSD	208	1.16	2.8	1.9	23	0.03	0.03	39	1.9

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1163 SUREGROW 105	3.70	1.20	85.4	33.0	7.9	72.5	7.9	3.75	1713	18.80	3.55
1175 FIBERMAX 966	3.73	1.15	84.0	31.5	7.8	72.8	8.1	3.75	1400	19.03	3.50
1152 DPL 458 BG/RR	3.50	1.15	83.2	29.0	7.7	76.0	6.6	3.70	1369	20.31	3.29
1168 PAYMASTER 1218BG/RR	3.75	1.10	83.2	29.0	7.9	73.5	8.3	3.95	1466	17.93	3.92
1196 STV 4892 BR	3.80	1.10	83.6	31.0	8.1	72.5	8.8	3.90	1210	17.01	3.33
1158 PSC 355	4.45	1.10	84.2	30.0	9.0	71.5	7.0	4.70	1276	19.21	3.66
1155 DPL 451 BRR	3.70	1.15	83.0	27.5	7.7	75.0	8.0	3.65	1601	18.60	3.18
1128 ACALA 1517-99	3.65	1.20	84.2	35.5	8.2	70.0	7.8	3.75	1085	17.73	3.89
1019 ALL TEX ATLAS	4.50	1.10	83.2	33.0	8.4	69.5	8.1	4.40	937	19.74	3.71
. LSD	0.71	0.09	2.1	3.3	0.9	5.3	2.2	0.71	481	2.85	0.34

VARIETY	GOSSYPOL LEVELS PLUS (+)	GOSSYPOL LEVELS MINUS (-)	GOSSYPOL LEVELS TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	AREALOMETER DATA D (mm2/mm3)	AREALOMETER DATA I	AREALOMETER DATA M (%)	AREALOMETER DATA p (microns)	AREALOMETER DATA w (mg/in)	AREALOMETER DATA t (microns)
1163 SUREGROW 105	0.84	0.62	1.46	.	.	.	.	.	.	.
1175 FIBERMAX 966	0.97	0.64	1.60	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.67	0.50	1.18	522	41.3	1.97	75	47.45	3.55	2.3
1168 PAYMASTER 1218BG/RR	0.72	0.41	1.13	.	.	.	.	.	.	.

1196	STV 4892 BR	1.01	0.66	1.67	518	43.0	2.00	74	48.67	3.65	2.3
1158	PSC 355	0.88	0.52	1.39	.	.	.	.	.	.	.
1155	DPL 451 BRR	0.97	0.56	1.53	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.69	0.47	1.16	487	29.5	1.75	84	45.23	3.60	2.5
1019	ALL TEX ATLAS	0.80	0.57	1.37	445	26.3	1.69	86	47.56	4.13	2.8
.	LSD	0.48	0.48	0.67	111	20.3	0.37	14	3.40	0.94	0.6

RETURN TO 2002 NCVT COVER PAGE

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

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2002 National Cotton Variety Test

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 CENTRAL REGIONAL COTTON VARIETY TEST

CENTRAL
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 (%)
1232	SG 215 BR	1120	4.88	40.1	9.0	104	1.08	0.53	170	8.7
1231	STV 4691 B	1093	4.74	42.8	9.6	115	1.11	0.54	193	7.2
1152	DPL 458 BG/RR	1028	4.47	40.4	7.8	114	1.11	0.55	195	7.4
1196	STV 4892 BR	1017	4.78	41.7	9.6	123	1.10	0.54	195	7.0
1168	PAYMASTER 1218BG/RR	990	4.89	41.1	10.3	114	1.08	0.53	191	6.8
1158	PSC 355	980	4.46	40.8	9.4	124	1.11	0.54	208	8.6
1117	FIBERMAX 832	908	5.66	39.3	10.9	157	1.19	0.57	241	6.0
1094	DPL NuCotn 33B	889	4.60	38.6	8.6	117	1.13	0.55	196	7.7
1233	TAMCOT PYRAMID	878	5.18	40.7	9.9	120	1.08	0.53	194	6.9
1128	ACALA 1517-99	799	4.35	38.9	10.5	150	1.19	0.56	234	7.1

1019	ALL TEX ATLAS	668	5.63	37.8	10.9	127	1.11	0.54	213	8.0
.	LSD	249	0.43	1.0	0.5	7	0.03	0.01	15	0.7

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
							COLORIMETER					
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	HUNTER'S Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1232	SG 215 BR	5.07	1.07	83.0	28.3	8.8	65.2	7.6	5.05	1716	19.71	3.25
1231	STV 4691 B	5.33	1.10	83.4	31.0	8.3	63.9	7.8	5.33	1465	18.75	3.37
1152	DPL 458 BG/RR	5.20	1.08	83.0	30.5	8.4	67.8	6.4	5.28	1577	18.61	3.13
1196	STV 4892 BR	5.35	1.08	83.2	32.4	8.8	63.6	7.8	5.34	1444	18.57	3.32
1168	PAYMASTER 1218BG/RR	5.21	1.08	83.2	30.1	8.4	66.6	7.6	5.30	1396	19.31	3.50
1158	PSC 355	5.05	1.10	84.1	33.4	9.4	63.0	7.4	5.11	1394	19.59	3.46
1117	FIBERMAX 832	4.69	1.19	85.2	35.9	8.1	65.8	7.3	4.71	1396	19.60	3.39
1094	DPL NuCotn 33B	4.90	1.10	83.0	30.1	8.2	67.8	7.3	5.04	1458	19.27	3.27
1233	TAMCOT PYRAMID	4.93	1.05	83.0	30.8	8.0	66.0	7.4	4.96	1202	18.64	3.64
1128	ACALA 1517-99	4.56	1.20	84.2	36.8	8.4	64.0	7.6	4.49	1289	19.15	3.64
1019	ALL TEX ATLAS	4.93	1.10	83.2	33.2	8.6	62.2	7.4	5.03	1117	18.61	3.37
.	LSD	0.31	0.04	0.8	2.3	0.4	2.1	0.6	0.27	352	1.55	0.20

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1232	SG 215 BR	0.72	0.49	1.21	.	.	.	.	.	.	.
1231	STV 4691 B	1.02	0.66	1.68	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.75	0.57	1.32	382	16.7	1.47	94	48.33	4.90	3.4
1196	STV 4892 BR	0.99	0.64	1.63	376	18.1	1.51	93	50.38	5.20	3.4
1168	PAYMASTER 1218BG/RR	0.71	0.44	1.15	.	.	.	.	.	.	.
1158	PSC 355	0.89	0.54	1.43	.	.	.	.	.	.	.
1117	FIBERMAX 832	0.54	0.45	0.99	.	.	.	.	.	.	.
1094	DPL NuCotn 33B	0.81	0.55	1.36	.	.	.	.	.	.	.
1233	TAMCOT PYRAMID	0.76	0.53	1.28	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.70	0.49	1.19	443	18.9	1.52	92	43.07	3.77	2.9
1019	ALL TEX ATLAS	0.82	0.63	1.44	396	21.5	1.58	90	50.19	4.91	3.2
.	LSD	0.07	0.05	0.11	16.5	3.7	0.08	3	2.02	0.25	0.1

REGION=CENTRAL
INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
FIBERMAX 832	5.66
ALL TEX ATLAS	5.63
TAMCOT PYRAMID	5.18
PAYMASTER 1218BG/RR	4.89
SG 215 BR	4.88
STV 4892 BR	4.78
STV 4691 B	4.74
DPL NuCotn 33B	4.60
DPL 458 BG/RR	4.47
PSC 355	4.46
ACALA 1517-99	4.35
LSD	0.43

2.5% S.L. (INCHES)	
ACALA 1517-99	1.20
FIBERMAX 832	1.19
ALL TEX ATLAS	1.10
STV 4691 B	1.10
PSC 355	1.10
DPL NuCotn 33B	1.10
DPL 458 BG/RR	1.08
PAYMASTER 1218BG/RR	1.08
STV 4892 BR	1.08
SG 215 BR	1.07
TAMCOT PYRAMID	1.05

REGION=CENTRAL

LINT PERCENT	
STV 4691 B	42.8
STV 4892 BR	41.7
PAYMASTER 1218BG/RR	41.1
PSC 355	40.8
TAMCOT PYRAMID	40.7
DPL 458 BG/RR	40.4
SG 215 BR	40.1
FIBERMAX 832	39.3
ACALA 1517-99	38.9
DPL NuCotn 33B	38.6
ALL TEX ATLAS	37.8
LSD	1.0

UR (PERCENT)	
FIBERMAX 832	85.2
ACALA 1517-99	84.2
PSC 355	84.1
STV 4691 B	83.4
STV 4892 BR	83.2
PAYMASTER 1218BG/RR	83.2
ALL TEX ATLAS	83.2
SG 215 BR	83.0
DPL 458 BG/RR	83.0
TAMCOT PYRAMID	83.0
DPL NuCotn 33B	83.0

REGION=CENTRAL

SEED INDEX	
ALL TEX ATLAS	10.9
FIBERMAX 832	10.9
ACALA 1517-99	10.5
PAYMASTER 1218BG/RR	10.3
TAMCOT PYRAMID	9.9
STV 4691 B	9.6
STV 4892 BR	9.6
PSC 355	9.4
SG 215 BR	9.0
DPL NuCotn 33B	8.6
DPL 458 BG/RR	7.8
LSD	0.5

STRENGTH (G/TEX)	
ACALA 1517-99	36.8
FIBERMAX 832	35.9
PSC 355	33.4
ALL TEX ATLAS	33.2
STV 4892 BR	32.4
STV 4691 B	31.0
TAMCOT PYRAMID	30.8
DPL 458 BG/RR	30.5
PAYMASTER 1218BG/RR	30.1
DPL NuCotn 33B	30.1
SG 215 BR	28.3

LSD	0.04

E	
PSC 355	9.4
STV 4892 BR	8.8
SG 215 BR	8.8
ALL TEX ATLAS	8.6
PAYMASTER 1218BG/RR	8.4
ACALA 1517-99	8.4
DPL 458 BG/RR	8.4
STV 4691 B	8.3
DPL NuCotn 33B	8.2
FIBERMAX 832	8.1
TAMCOT PYRAMID	8.0
LSD	0.4

COLORIMETER - b	
STV 4892 BR	7.8
STV 4691 B	7.8
PAYMASTER 1218BG/RR	7.6
ACALA 1517-99	7.6
SG 215 BR	7.6
ALL TEX ATLAS	7.4
TAMCOT PYRAMID	7.4
PSC 355	7.4
FIBERMAX 832	7.3
DPL NuCotn 33B	7.3
DPL 458 BG/RR	6.4
LSD	0.6

STELOMETER - T1	
FIBERMAX 832	241

LSD	0.8

MICRONAIRE (SL-HVI)	
STV 4892 BR	5.34
STV 4691 B	5.33
PAYMASTER 1218BG/RR	5.30
DPL 458 BG/RR	5.28
PSC 355	5.11
SG 215 BR	5.05
DPL NuCotn 33B	5.04
ALL TEX ATLAS	5.03
TAMCOT PYRAMID	4.96
FIBERMAX 832	4.71
ACALA 1517-99	4.49
LSD	0.27

MICRONAIRE	
STV 4892 BR	5.35
STV 4691 B	5.33
PAYMASTER 1218BG/RR	5.21
DPL 458 BG/RR	5.20
SG 215 BR	5.07
PSC 355	5.05
ALL TEX ATLAS	4.93
TAMCOT PYRAMID	4.93
DPL NuCotn 33B	4.90
FIBERMAX 832	4.69
ACALA 1517-99	4.56
LSD	0.31

FIBROGRAPH--50% S.L.	
FIBERMAX 832	0.57

LSD	2.3

COLORIMETER - Rd	
DPL 458 BG/RR	67.8
DPL NuCotn 33B	67.8
PAYMASTER 1218BG/RR	66.6
TAMCOT PYRAMID	66.0
FIBERMAX 832	65.8
SG 215 BR	65.2
ACALA 1517-99	64.0
STV 4691 B	63.9
STV 4892 BR	63.6
PSC 355	63.0
ALL TEX ATLAS	62.2
LSD	2.1

STELOMETER - E1	
SG 215 BR	8.7
PSC 355	8.6
ALL TEX ATLAS	8.0
DPL NuCotn 33B	7.7
DPL 458 BG/RR	7.4
STV 4691 B	7.2
ACALA 1517-99	7.1
STV 4892 BR	7.0
TAMCOT PYRAMID	6.9
PAYMASTER 1218BG/RR	6.8
FIBERMAX 832	6.0
LSD	0.7

FIBROGRAPH--2.5% S.L.	
ACALA 1517-99	1.19

ACALA 1517-99	234
ALL TEX ATLAS	213
PSC 355	208
DPL NuCotn 33B	196
DPL 458 BG/RR	195
STV 4892 BR	195
TAMCOT PYRAMID	194
STV 4691 B	193
PAYMASTER 1218BG/RR	191
SG 215 BR	170
LSD	15

ACALA 1517-99	0.56
DPL 458 BG/RR	0.55
DPL NuCotn 33B	0.55
PSC 355	0.54
STV 4892 BR	0.54
ALL TEX ATLAS	0.54
STV 4691 B	0.54
PAYMASTER 1218BG/RR	0.53
TAMCOT PYRAMID	0.53
SG 215 BR	0.53
LSD	0.01

FIBERMAX 832	1.19
DPL NuCotn 33B	1.13
PSC 355	1.11
DPL 458 BG/RR	1.11
STV 4691 B	1.11
ALL TEX ATLAS	1.11
STV 4892 BR	1.10
SG 215 BR	1.08
PAYMASTER 1218BG/RR	1.08
TAMCOT PYRAMID	1.08
LSD	0.03

YARN TENACITY	
FIBERMAX 832	157
ACALA 1517-99	150
ALL TEX ATLAS	127
PSC 355	124
STV 4892 BR	123
TAMCOT PYRAMID	120
DPL NuCotn 33B	117
STV 4691 B	115
DPL 458 BG/RR	114
PAYMASTER 1218BG/RR	114
SG 215 BR	104
LSD	7

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	443
ALL TEX ATLAS	396
DPL 458 BG/RR	382
STV 4892 BR	376
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.
STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	16.5

AREALOMETER - D (mm2/mm3)	
ALL TEX ATLAS	21.5
ACALA 1517-99	18.9
STV 4892 BR	18.1
DPL 458 BG/RR	16.7
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.
STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	3.7

AREALOMETER - I	
ALL TEX ATLAS	1.58
ACALA 1517-99	1.52
STV 4892 BR	1.51
DPL 458 BG/RR	1.47
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.

AREALOMETER - M (PERCENT)	
DPL 458 BG/RR	94
STV 4892 BR	93
ACALA 1517-99	92
ALL TEX ATLAS	90
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.

AREALOMETER - p (Microns)	
STV 4892 BR	50.38
ALL TEX ATLAS	50.19
DPL 458 BG/RR	48.33
ACALA 1517-99	43.07
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.

STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	0.08

STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	3

STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	2.02

AREALOMETER - w (MG/INCH)	
STV 4892 BR	5.20
ALL TEX ATLAS	4.91
DPL 458 BG/RR	4.90
ACALA 1517-99	3.77
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.
STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	0.25

AREALOMETER - t (MICRONS)	
STV 4892 BR	3.4
DPL 458 BG/RR	3.4
ALL TEX ATLAS	3.2
ACALA 1517-99	2.9
FIBERMAX 832	.
PSC 355	.
TAMCOT PYRAMID	.
DPL NuCotn 33B	.
STV 4691 B	.
PAYMASTER 1218BG/RR	.
SG 215 BR	.
LSD	0.1

SEED YIELD (LB/ACRE)	
SG 215 BR	1716
DPL 458 BG/RR	1577
STV 4691 B	1465
DPL NuCotn 33B	1458
STV 4892 BR	1444
FIBERMAX 832	1396
PAYMASTER 1218BG/RR	1396
PSC 355	1394
ACALA 1517-99	1289
TAMCOT PYRAMID	1202
ALL TEX ATLAS	1117
LSD	352

OIL (PERCENT)	
SG 215 BR	19.71
FIBERMAX 832	19.60
PSC 355	19.59
PAYMASTER 1218BG/RR	19.31
DPL NuCotn 33B	19.27
ACALA 1517-99	19.15
STV 4691 B	18.75
TAMCOT PYRAMID	18.64
ALL TEX ATLAS	18.61
DPL 458 BG/RR	18.61
STV 4892 BR	18.57
LSD	1.55

NITROGEN (PERCENT)	
TAMCOT PYRAMID	3.64
ACALA 1517-99	3.64
PAYMASTER 1218BG/RR	3.50
PSC 355	3.46
FIBERMAX 832	3.39
STV 4691 B	3.37
ALL TEX ATLAS	3.37
STV 4892 BR	3.32
DPL NuCotn 33B	3.27
SG 215 BR	3.25
DPL 458 BG/RR	3.13
LSD	0.20

PLUS GOSSYPOL	
STV 4691 B	1.02
STV 4892 BR	0.99
PSC 355	0.89
ALL TEX ATLAS	0.82
DPL NuCotn 33B	0.81
TAMCOT PYRAMID	0.76
DPL 458 BG/RR	0.75
SG 215 BR	0.72
PAYMASTER 1218BG/RR	0.71
ACALA 1517-99	0.70
FIBERMAX 832	0.54
LSD	0.07

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
STV 4691 B	0.66	STV 4691 B	1.68
STV 4892 BR	0.64	STV 4892 BR	1.63
ALL TEX ATLAS	0.63	ALL TEX ATLAS	1.44
DPL 458 BG/RR	0.57	PSC 355	1.43
DPL NuCotn 33B	0.55	DPL NuCotn 33B	1.36
PSC 355	0.54	DPL 458 BG/RR	1.32
TAMCOT PYRAMID	0.53	TAMCOT PYRAMID	1.28
ACALA 1517-99	0.49	SG 215 BR	1.21
SG 215 BR	0.49	ACALA 1517-99	1.19
FIBERMAX 832	0.45	PAYMASTER 1218BG/RR	1.15
PAYMASTER 1218BG/RR	0.44	FIBERMAX 832	0.99
LSD	0.05	LSD	0.11

REGION=DELTA
INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL		LINT PERCENT		SEED INDEX	
FIBERMAX 966	5.49	STV 4892 BR	40.2	ALL TEX ATLAS	11.6
ALL TEX ATLAS	5.41	STV BXN 47	39.9	PAYMASTER 1218BG/RR	11.3
PAYMASTER 1218BG/RR	5.40	FIBERMAX 966	39.3	ACALA 1517-99	11.1
SUREGROW 105	5.04	PSC 355	39.2	FIBERMAX 966	11.0
ACALA 1517-99	5.01	PAYMASTER 1218BG/RR	39.0	SUREGROW 105	10.5
STV 4892 BR	4.90	DPL 458 BG/RR	38.8	STV 4892 BR	10.3
STV BXN 47	4.67	SUREGROW 105	38.6	DPL 451 BRR	10.3
PSC 355	4.66	ACALA 1517-99	36.9	PSC 355	10.2
DPL 451 BRR	4.61	DPL 451 BRR	35.2	STV BXN 47	10.1
DPL 458 BG/RR	4.14	ALL TEX ATLAS	35.0	DPL 458 BG/RR	8.0
LSD	0.54	LSD	1.5	LSD	0.9

2.5% S.L. (INCHES)	
ACALA 1517-99	1.20
STV BXN 47	1.20
SUREGROW 105	1.18
FIBERMAX 966	1.15
PSC 355	1.15
DPL 451 BRR	1.13
DPL 458 BG/RR	1.13
ALL TEX ATLAS	1.10
PAYMASTER 1218BG/RR	1.10
STV 4892 BR	1.10
LSD	0.05

UR (PERCENT)	
SUREGROW 105	85.4
ACALA 1517-99	84.8
STV BXN 47	84.6
PSC 355	84.6
FIBERMAX 966	84.2
STV 4892 BR	83.7
PAYMASTER 1218BG/RR	83.7
DPL 458 BG/RR	83.7
DPL 451 BRR	83.6
ALL TEX ATLAS	83.2
LSD	1.0

STRENGTH (G/TEX)	
ACALA 1517-99	35.0
STV BXN 47	33.5
FIBERMAX 966	33.2
SUREGROW 105	32.7
ALL TEX ATLAS	31.8
STV 4892 BR	31.2
PSC 355	30.8
DPL 458 BG/RR	29.5
PAYMASTER 1218BG/RR	29.3
DPL 451 BRR	27.5
LSD	3.4

E	
PSC 355	9.1
ALL TEX ATLAS	8.6
SUREGROW 105	8.4
STV 4892 BR	8.4
ACALA 1517-99	8.3
PAYMASTER 1218BG/RR	8.2
STV BXN 47	8.1
DPL 458 BG/RR	8.0
FIBERMAX 966	8.0
DPL 451 BRR	7.9
LSD	0.5

MICRONAIRE (SL-HVI)	
PSC 355	4.93
STV BXN 47	4.88
PAYMASTER 1218BG/RR	4.75
STV 4892 BR	4.63
SUREGROW 105	4.62
ALL TEX ATLAS	4.52
DPL 458 BG/RR	4.42
DPL 451 BRR	4.38
FIBERMAX 966	4.23
ACALA 1517-99	3.95
LSD	0.58

COLORIMETER - Rd	
DPL 458 BG/RR	74.8
DPL 451 BRR	74.3
SUREGROW 105	73.2
FIBERMAX 966	72.8
PAYMASTER 1218BG/RR	72.7
STV BXN 47	72.5
STV 4892 BR	72.2
ALL TEX ATLAS	72.0
PSC 355	71.5
ACALA 1517-99	70.5
LSD	2.2

COLORIMETER - b	
STV 4892 BR	8.7
PAYMASTER 1218BG/RR	8.5
FIBERMAX 966	8.4
SUREGROW 105	8.3
ALL TEX ATLAS	8.3

MICRONAIRE	
PSC 355	4.80
STV BXN 47	4.70
PAYMASTER 1218BG/RR	4.57
STV 4892 BR	4.55
ALL TEX ATLAS	4.55

STELOMETER - E1	
PSC 355	8.5
DPL 458 BG/RR	8.2
ALL TEX ATLAS	7.9
STV 4892 BR	7.8
DPL 451 BRR	7.8

STV BXN 47	8.2
ACALA 1517-99	8.1
DPL 451 BRR	8.1
PSC 355	8.0
DPL 458 BG/RR	7.8
LSD	0.9

SUREGROW 105	4.48
DPL 451 BRR	4.30
DPL 458 BG/RR	4.27
FIBERMAX 966	4.21
ACALA 1517-99	3.90
LSD	0.60

PAYMASTER 1218BG/RR	7.6
SUREGROW 105	7.4
ACALA 1517-99	6.9
FIBERMAX 966	6.9
STV BXN 47	6.5
LSD	1.4

STELOMETER - T1	
ACALA 1517-99	244
STV BXN 47	221
FIBERMAX 966	214
ALL TEX ATLAS	213
SUREGROW 105	209
STV 4892 BR	204
DPL 458 BG/RR	201
PSC 355	196
PAYMASTER 1218BG/RR	196
DPL 451 BRR	193
LSD	28

FIBROGRAPH--50% S.L.	
ACALA 1517-99	0.59
SUREGROW 105	0.58
STV BXN 47	0.57
PSC 355	0.57
FIBERMAX 966	0.56
DPL 458 BG/RR	0.56
STV 4892 BR	0.56
PAYMASTER 1218BG/RR	0.55
ALL TEX ATLAS	0.55
DPL 451 BRR	0.55
LSD	0.02

FIBROGRAPH--2.5% S.L.	
ACALA 1517-99	1.23
SUREGROW 105	1.18
STV BXN 47	1.17
FIBERMAX 966	1.17
PSC 355	1.15
DPL 451 BRR	1.15
DPL 458 BG/RR	1.14
STV 4892 BR	1.14
ALL TEX ATLAS	1.12
PAYMASTER 1218BG/RR	1.12
LSD	0.03

YARN TENACITY	
ACALA 1517-99	148
FIBERMAX 966	141
STV BXN 47	140
SUREGROW 105	138
ALL TEX ATLAS	129
STV 4892 BR	126
PSC 355	125
DPL 458 BG/RR	124
PAYMASTER 1218BG/RR	123
DPL 451 BRR	122
LSD	19

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	467
DPL 458 BG/RR	450
STV 4892 BR	434
ALL TEX ATLAS	431
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	66.0

AREALOMETER - D (mm2/mm3)	
STV 4892 BR	29.8
DPL 458 BG/RR	28.5
ACALA 1517-99	25.1
ALL TEX ATLAS	24.8
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	10.7

AREALOMETER - I	
STV 4892 BR	1.74
DPL 458 BG/RR	1.72
ACALA 1517-99	1.66
ALL TEX ATLAS	1.66
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.21

AREALOMETER - M (PERCENT)	
ACALA 1517-99	87
ALL TEX ATLAS	87
DPL 458 BG/RR	85
STV 4892 BR	84
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	8

AREALOMETER - p (Microns)	
STV 4892 BR	50.73
ALL TEX ATLAS	48.21
DPL 458 BG/RR	48.03
ACALA 1517-99	44.56
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	2.16

AREALOMETER - w (MG/INCH)	
STV 4892 BR	4.63
ALL TEX ATLAS	4.33
DPL 458 BG/RR	4.20
ACALA 1517-99	3.69
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.79

AREALOMETER - t (MICRONS)	
STV 4892 BR	2.9
ALL TEX ATLAS	2.9
DPL 458 BG/RR	2.8
ACALA 1517-99	2.7
FIBERMAX 966	.
STV BXN 47	.
SUREGROW 105	.
PSC 355	.
PAYMASTER 1218BG/RR	.
DPL 451 BRR	.
LSD	0.5

SEED YIELD (LB/ACRE)	
STV BXN 47	1643
SUREGROW 105	1630
DPL 451 BRR	1583
PSC 355	1454
PAYMASTER 1218BG/RR	1437
DPL 458 BG/RR	1409
FIBERMAX 966	1355
STV 4892 BR	1246
ACALA 1517-99	1156
ALL TEX ATLAS	1094
LSD	395

OIL (PERCENT)	
STV BXN 47	21.88
PSC 355	20.66
DPL 458 BG/RR	20.29
SUREGROW 105	19.99
ACALA 1517-99	19.97
PAYMASTER 1218BG/RR	19.76
FIBERMAX 966	19.09

NITROGEN (PERCENT)	
PAYMASTER 1218BG/RR	3.82
ACALA 1517-99	3.73
PSC 355	3.69
ALL TEX ATLAS	3.65
STV BXN 47	3.51
STV 4892 BR	3.48
SUREGROW 105	3.47

PLUS GOSSYPOL	
STV 4892 BR	1.03
SUREGROW 105	1.03
STV BXN 47	1.00
DPL 451 BRR	0.94
PSC 355	0.91
FIBERMAX 966	0.86
ALL TEX ATLAS	0.82

ALL TEX ATLAS	18.79	FIBERMAX 966	3.41	PAYMASTER 1218BG/RR	0.75
STV 4892 BR	18.28	DPL 451 BRR	3.30	ACALA 1517-99	0.71
DPL 451 BRR	18.04	DPL 458 BG/RR	3.19	DPL 458 BG/RR	0.68
LSD	2.89	LSD	0.33	LSD	0.27

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
SUREGROW 105	0.74	SUREGROW 105	1.76
STV BXN 47	0.71	STV 4892 BR	1.73
STV 4892 BR	0.70	STV BXN 47	1.70
ALL TEX ATLAS	0.64	DPL 451 BRR	1.52
FIBERMAX 966	0.63	FIBERMAX 966	1.50
DPL 451 BRR	0.58	PSC 355	1.47
PSC 355	0.56	ALL TEX ATLAS	1.46
DPL 458 BG/RR	0.54	PAYMASTER 1218BG/RR	1.24
ACALA 1517-99	0.52	ACALA 1517-99	1.23
PAYMASTER 1218BG/RR	0.49	DPL 458 BG/RR	1.22
LSD	0.12	LSD	0.38

30 REGION=CENTRAL
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
COLLEGE STATION, TX	1317	5.18	41.3	8.7	119	1.13	0.55	193	7.4
BOSSIER CITY, LA	1049	5.44	39.5	10.5	125	1.14	0.56	204	7.6
BEEVILLE, TX	720	4.57	40.3	10.5	131	1.11	0.55	216	7.3
WESLACO, TX	647	4.17	39.9	9.2	126	1.09	0.53	202	7.0

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

LOCATION	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
COLLEGE STATION, TX	4.96	1.12	83.6	30.7	8.3	55.9	6.5	4.95	1783	19.28	2.76
BOSSIER CITY, LA	5.18	1.12	84.0	30.7	8.7	69.9	6.7	5.33	1634	19.80	3.57
BEEVILLE, TX	5.09	1.11	83.6	34.3	8.6	65.4	8.5	5.08	1093	17.52	3.85
WESLACO, TX	4.83	1.07	82.9	33.3	8.3	69.6	8.3	4.84	998	19.46	3.52

LOCATION	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
COLLEGE STATION, TX	0.91	0.64	1.55	402	21.9	1.59	90	49.76	4.81	3.1
BOSSIER CITY, LA	0.84	0.60	1.44	375	14.1	1.41	96	47.29	4.90	3.5
BEEVILLE, TX	0.69	0.46	1.15	415	19.8	1.55	92	47.13	4.45	3.1
WESLACO, TX	0.70	0.44	1.14	416	19.8	1.54	92	46.59	4.37	3.1

COLLEGE STATION, TX

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 (%)
1158 PSC 355	1504	4.65	42.1	8.5	117	1.14	0.56	196	8.7
1168 PAYMASTER 1218BG/RR	1501	5.45	42.8	9.4	110	1.10	0.54	197	6.3
1117 FIBERMAX 832	1484	5.90	40.1	9.6	155	1.19	0.57	242	5.2
1231 STV 4691 B	1456	5.15	44.2	8.6	111	1.11	0.54	187	7.2
1152 DPL 458 BG/RR	1439	4.60	41.2	7.2	105	1.12	0.55	181	7.7
1232 SG 215 BR	1429	5.05	41.5	8.5	101	1.11	0.55	180	8.8
1196 STV 4892 BR	1347	4.95	43.2	8.8	119	1.12	0.55	186	7.3
1094 DPL NuCotn 33B	1246	4.95	39.5	7.8	113	1.14	0.55	176	7.9
1128 ACALA 1517-99	1221	4.80	40.5	9.3	140	1.18	0.56	209	7.6
1233 TAMCOT PYRAMID	1023	5.80	40.4	9.0	118	1.11	0.54	178	7.4

1019 ALL TEX ATLAS	836	5.65	39.3	9.7	116	1.10	0.54	199	8.0
. LSD	218	0.42	2.2	0.5	10	0.03	0.03	13	0.9

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
						COLORIMETER					
	MICRO-	2.5%	UNIFO-	STRE-		HUNTER'S		MICRO-	SEED		NITR
	NAIRE	S.L.	MITY	NGTH				NAIRE	YIELD	OIL	OGEN
VARIETY	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1158 PSC 355	4.80	1.10	84.5	31.5	9.2	55.5	6.3	4.90	1856	21.41	2.76
1168 PAYMASTER 1218BG/RR	5.25	1.10	83.7	30.5	8.5	56.5	6.5	5.30	1862	21.08	2.83
1117 FIBERMAX 832	4.40	1.20	85.3	35.5	8.0	56.5	6.1	4.45	2147	19.99	2.57
1231 STV 4691 B	5.20	1.10	83.4	31.0	8.5	55.5	7.1	5.20	1832	19.18	2.69
1152 DPL 458 BG/RR	5.15	1.10	83.2	28.5	7.8	58.0	5.4	5.20	1981	16.99	2.54
1232 SG 215 BR	5.05	1.10	83.4	28.0	8.9	56.0	6.9	4.90	2090	19.39	2.81
1196 STV 4892 BR	5.35	1.10	83.2	32.0	8.7	55.0	6.5	5.40	1660	18.93	2.62
1094 DPL NuCotn 33B	5.20	1.10	82.9	28.0	8.0	56.5	6.4	5.20	1790	19.48	2.61
1128 ACALA 1517-99	4.60	1.20	83.0	32.5	7.7	56.0	6.5	4.50	1822	18.09	3.00
1233 TAMCOT PYRAMID	4.85	1.10	83.9	31.0	8.0	56.5	6.2	4.70	1272	19.52	3.14
1019 ALL TEX ATLAS	4.70	1.10	83.3	29.5	7.9	53.0	7.6	4.75	1301	18.05	2.84
. LSD	0.39	.	1.1	1.5	0.4	3.9	1.0	0.30	592	1.15	0.37

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
	PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1158 PSC 355	1.06	0.66	1.72	.	.	.	.	.	.	.
1168 PAYMASTER 1218BG/RR	0.88	0.55	1.42	.	.	.	.	.	.	.
1117 FIBERMAX 832	0.62	0.52	1.13	.	.	.	.	.	.	.
1231 STV 4691 B	1.21	0.79	2.01	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.80	0.64	1.44	386	18.3	1.51	93	49.17	4.93	3.3
1232 SG 215 BR	0.84	0.58	1.42	.	.	.	.	.	.	.
1196 STV 4892 BR	1.16	0.75	1.91	379	21.8	1.59	90	52.72	5.38	3.3
1094 DPL NuCotn 33B	0.93	0.69	1.61	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.81	0.59	1.41	440	21.8	1.59	90	45.38	3.99	2.9
1233 TAMCOT PYRAMID	0.86	0.62	1.48	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.88	0.69	1.56	406	25.8	1.68	87	51.77	4.95	3.1
. LSD	0.10	0.10	0.16	55.7	11.5	0.25	9	5.73	0.82	0.6

WESLACO, TX

VARIETY	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 (%)
1231 STV 4691 B	746	3.90	42.1	9.6	116	1.10	0.53	181	6.9
1196 STV 4892 BR	743	4.60	40.8	9.3	123	1.07	0.53	194	6.7
1232 SG 215 BR	742	4.40	39.8	8.7	106	1.04	0.51	157	8.7
1152 DPL 458 BG/RR	684	4.00	40.2	7.7	115	1.09	0.53	201	6.4
1128 ACALA 1517-99	676	3.55	38.7	10.2	148	1.16	0.55	241	6.7
1117 FIBERMAX 832	673	5.35	38.6	10.2	164	1.19	0.58	240	6.3
1158 PSC 355	580	3.95	40.3	9.0	128	1.10	0.53	217	8.0
1094 DPL NuCotn 33B	571	3.90	37.7	8.3	117	1.08	0.53	204	7.5
1233 TAMCOT PYRAMID	560	4.40	40.4	9.5	128	1.05	0.51	201	6.6
1168 PAYMASTER 1218BG/RR	492	3.60	40.2	9.8	119	1.04	0.51	190	6.4
. LSD	171	1.68	2.0	1.4	11	0.06	0.04	17	1.0

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1231 STV 4691 B	5.50	1.10	83.1	32.0	7.7	67.0	8.9	5.35	1071	19.42	3.52
1196 STV 4892 BR	5.10	1.00	82.5	33.5	8.7	67.5	8.3	5.15	1097	19.48	3.48
1232 SG 215 BR	4.80	1.00	82.1	29.5	8.6	69.5	9.0	4.85	1028	18.24	3.53
1152 DPL 458 BG/RR	5.05	1.05	82.4	33.0	8.5	73.5	7.5	5.05	1053	18.31	3.19
1128 ACALA 1517-99	4.70	1.20	83.6	38.0	8.5	66.0	8.2	4.50	1054	20.42	3.70
1117 FIBERMAX 832	4.55	1.15	85.0	37.0	7.9	71.0	8.4	4.55	1083	20.67	3.44
1158 PSC 355	4.85	1.10	83.6	35.0	9.2	67.0	8.1	4.80	928	20.20	3.76
1094 DPL NuCotn 33B	4.30	1.10	81.8	31.0	7.9	73.0	8.0	4.50	1094	20.13	3.28
1233 TAMCOT PYRAMID	4.55	1.00	82.5	32.0	7.8	69.0	8.1	4.60	839	18.62	3.66
1168 PAYMASTER 1218BG/RR	4.90	1.00	82.2	31.5	8.5	72.5	9.0	5.00	729	19.17	3.65
. LSD	1.48	0.09	3.3	5.3	1.1	3.3	1.9	1.31	549	3.37	0.23

VARIETY	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
1231 STV 4691 B	0.98	0.59	1.57	.	.	.	.	.	.	.
1196 STV 4892 BR	0.89	0.52	1.41	392	17.8	1.50	93	48.10	4.77	3.3
1232 SG 215 BR	0.57	0.35	0.92	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.69	0.49	1.18	400	19.3	1.53	92	47.98	4.63	3.2
1128 ACALA 1517-99	0.64	0.42	1.05	458	22.3	1.60	90	43.70	3.70	2.8
1117 FIBERMAX 832	0.51	0.39	0.90	.	.	.	.	.	.	.
1158 PSC 355	0.78	0.43	1.21	.	.	.	.	.	.	.
1094 DPL NuCotn 33B	0.70	0.43	1.13	.	.	.	.	.	.	.
1233 TAMCOT PYRAMID	0.68	0.46	1.14	.	.	.	.	.	.	.
1168 PAYMASTER 1218BG/RR	0.61	0.34	0.95	.	.	.	.	.	.	.
. LSD	0.16	0.16	0.27	66.9	11.5	0.24	12	10.53	1.27	0.3

BOSSIER CITY, LA

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 (%)
1168 PAYMASTER 1218BG/RR	1372	5.70	40.9	10.9	109	1.11	0.55	188	6.7
1231 STV 4691 B	1349	5.30	42.2	10.0	115	1.13	0.55	196	7.7
1233 TAMCOT PYRAMID	1256	5.80	41.3	11.0	121	1.10	0.54	195	7.0
1152 DPL 458 BG/RR	1243	4.80	39.9	8.6	124	1.13	0.57	204	8.2
1232 SG 215 BR	1189	5.20	39.1	9.9	106	1.10	0.53	174	8.7
1196 STV 4892 BR	1128	5.25	40.6	10.2	124	1.13	0.56	201	7.0
1158 PSC 355	1091	5.15	39.3	10.7	120	1.13	0.56	205	9.0
1094 DPL NuCotn 33B	956	4.85	38.0	8.9	116	1.14	0.56	202	7.7
1128 ACALA 1517-99	704	5.15	37.2	11.6	157	1.23	0.58	239	7.4
1117 FIBERMAX 832	681	6.45	39.0	12.5	153	1.21	0.59	231	6.0
1019 ALL TEX ATLAS	573	6.15	37.3	11.3	130	1.12	0.55	209	8.1
. LSD	325	0.40	1.6	0.8	7	0.02	0.02	15	0.5

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1168 PAYMASTER 1218BG/RR	5.30	1.10	83.6	26.5	8.1	69.5	6.5	5.40	2063	20.14	3.51
1231 STV 4691 B	5.40	1.10	83.9	30.0	8.6	68.5	6.9	5.50	1891	19.62	3.40
1233 TAMCOT PYRAMID	5.00	1.10	82.9	29.0	8.3	71.5	6.5	5.25	1735	19.39	3.77
1152 DPL 458 BG/RR	5.40	1.10	83.5	30.0	8.9	72.0	6.3	5.60	1697	20.52	3.66
1232 SG 215 BR	5.35	1.10	83.6	27.5	8.8	70.0	6.8	5.40	2031	21.49	3.41
1196 STV 4892 BR	5.50	1.10	84.3	31.5	9.0	67.5	7.3	5.50	1745	19.30	3.45
1158 PSC 355	5.35	1.10	84.9	31.0	9.6	68.0	6.7	5.50	1734	18.48	3.46
1094 DPL NuCotn 33B	5.10	1.10	83.5	28.0	8.4	71.5	6.7	5.40	1641	19.43	3.53
1128 ACALA 1517-99	4.55	1.20	85.4	37.5	8.8	70.0	6.8	4.75	1274	20.23	3.78
1117 FIBERMAX 832	5.00	1.20	85.8	34.0	8.3	71.0	6.9	5.05	1139	19.86	3.75
1019 ALL TEX ATLAS	5.05	1.10	82.9	33.0	9.0	69.0	6.6	5.30	1028	19.35	3.64
. LSD	0.23	.	1.3	1.9	0.6	2.6	0.9	0.30	734	1.83	0.33

VARIETY	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1168 PAYMASTER 1218BG/RR	0.82	0.53	1.34	.	.	.	.	.	.	.
1231 STV 4691 B	1.06	0.72	1.77	.	.	.	.	.	.	.
1233 TAMCOT PYRAMID	0.82	0.58	1.40	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.77	0.57	1.34	360	12.5	1.37	98	47.84	5.14	3.7
1232 SG 215 BR	0.76	0.54	1.30	.	.	.	.	.	.	.
1196 STV 4892 BR	1.10	0.75	1.84	354	14.5	1.42	96	50.44	5.51	3.7
1158 PSC 355	0.97	0.62	1.60	.	.	.	.	.	.	.
1094 DPL NuCotn 33B	0.86	0.59	1.45	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.74	0.55	1.28	407	11.0	1.34	99	41.15	3.92	3.3
1117 FIBERMAX 832	0.58	0.51	1.09	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.83	0.64	1.46	381	18.3	1.51	93	49.73	5.04	3.4
. LSD	0.07	0.07	0.12	20.8	6.5	0.15	6	3.78	0.20	0.4

BEEVILLE, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1196 STV 4892 BR	848	4.30	42.3	10.0	126	1.09	0.54	198	6.9
1231 STV 4691 B	822	4.60	42.6	10.3	119	1.11	0.55	208	7.2
1117 FIBERMAX 832	792	4.95	39.5	11.1	157	1.16	0.56	252	6.4
1094 DPL NuCotn 33B	784	4.70	39.4	9.4	123	1.15	0.55	203	7.6
1152 DPL 458 BG/RR	747	.	.	.	.	.	.	.	.
1158 PSC 355	745	4.10	41.5	9.7	131	1.09	0.54	213	8.8
1233 TAMCOT PYRAMID	674	4.70	40.8	10.1	114	1.05	0.54	205	6.5
1168 PAYMASTER 1218BG/RR	596	4.80	40.5	11.3	119	1.07	0.54	188	8.0
1019 ALL TEX ATLAS	594	5.10	36.9	11.7	136	1.10	0.54	231	7.9
1128 ACALA 1517-99	594	3.90	39.2	10.9	157	1.19	0.57	250	6.8
. LSD	268	1.02	1.8	0.8	4	0.02	0.02	26	0.5

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196 STV 4892 BR	5.45	1.10	83.0	32.5	8.7	64.5	9.4	5.30	1273	16.57	3.73
1231 STV 4691 B	5.20	1.10	83.3	31.0	8.5	64.5	8.4	5.25	1065	16.80	3.88
1117 FIBERMAX 832	4.80	1.20	84.6	37.0	8.2	64.5	8.0	4.80	1214	17.87	3.80
1094 DPL NuCotn 33B	5.00	1.10	83.8	33.5	8.7	70.0	8.0	5.05	1308	18.06	3.67
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.	.
1158 PSC 355	5.20	1.10	83.7	36.0	9.6	61.5	8.5	5.25	1058	18.28	3.87
1233 TAMCOT PYRAMID	5.30	1.00	82.8	31.0	7.9	67.0	8.8	5.30	961	17.03	3.98
1168 PAYMASTER 1218BG/RR	5.40	1.10	83.4	32.0	8.7	68.0	8.6	5.50	930	16.84	4.01
1019 ALL TEX ATLAS	5.05	1.10	83.3	37.0	8.8	64.5	8.2	5.05	1021	18.44	3.64
1128 ACALA 1517-99	4.40	1.20	84.8	39.0	8.7	64.0	8.9	4.20	1005	17.85	4.07
. LSD	0.41	.	1.7	4.1	0.5	3.4	1.0	0.22	656	1.49	0.27

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

VARIETY	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196 STV 4892 BR	0.84	0.53	1.37	379	18.5	1.52	93	50.28	5.13	3.4
1231 STV 4691 B	0.85	0.54	1.39	.	.	.	.	.	.	.
1117 FIBERMAX 832	0.47	0.37	0.84	.	.	.	.	.	.	.
1094 DPL NuCotn 33B	0.75	0.50	1.25	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.
1158 PSC 355	0.77	0.45	1.21	.	.	.	.	.	.	.
1233 TAMCOT PYRAMID	0.67	0.44	1.11	.	.	.	.	.	.	.
1168 PAYMASTER 1218BG/RR	0.55	0.34	0.89	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.75	0.57	1.32	400	20.5	1.57	91	49.06	4.75	3.1
1128 ACALA 1517-99	0.61	0.41	1.03	467	20.5	1.56	91	42.04	3.48	2.7
. LSD	0.11	0.11	0.19	178	0.0	0.00	8	25.06	4.50	1.7

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 BLACKLANDS REGIONAL COTTON VARIETY TEST

BLACKLAND
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 (%)
1196	STV 4892 BR	721	4.30	36.9	9.1	125	1.08	0.53	184	6.5
1232	SG 215 BR	684	4.43	35.5	8.8	105	1.07	0.52	173	8.5
1158	PSC 355	630	3.95	35.2	8.8	138	1.10	0.55	221	8.3
1152	DPL 458 BG/RR	600	3.53	35.9	7.1	120	1.07	0.49	184	7.3
1233	TAMCOT PYRAMID	539	4.73	35.2	9.4	113	1.04	0.50	194	7.1
1128	ACALA 1517-99	454	4.40	33.4	10.3	158	1.20	0.57	270	6.7
1019	ALL TEX ATLAS	334	5.30	37.0	10.2	132	1.09	0.54	232	8.0
.	LSD	243	0.37	3.1	1.3	13	0.05	0.03	40	1.3

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

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	4.80	1.10	83.1	32.0	8.1	63.8	8.5	4.73	1229	16.96	3.67
1232	SG 215 BR	4.55	1.00	82.9	28.3	8.1	63.8	8.4	4.53	1293	17.18	3.87
1158	PSC 355	4.55	1.10	84.2	35.8	9.1	60.5	8.3	4.58	1357	17.84	3.91
1152	DPL 458 BG/RR	4.58	1.05	81.6	30.0	7.5	65.3	8.3	4.60	1052	17.03	3.60
1233	TAMCOT PYRAMID	4.63	1.05	82.3	30.0	7.6	62.0	8.5	4.60	1096	17.20	4.09
1128	ACALA 1517-99	4.00	1.18	83.8	38.0	8.2	61.5	7.7	3.98	970	17.84	3.91
1019	ALL TEX ATLAS	4.70	1.10	83.2	33.0	7.8	59.0	8.2	4.70	628	19.07	3.84
.	LSD	0.32	0.09	1.3	3.4	0.9	5.4	1.1	0.34	282	2.61	0.38

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS--- PLUS (+)	MINUS (-)	TOTAL (%)	---AREALOMETER DATA--- A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	0.77	0.45	1.22	413	24.4	1.65	88	50.01	4.68	3.0
1232	SG 215 BR	0.57	0.35	0.92	.	.	.	.	.	.	.
1158	PSC 355	0.75	0.39	1.14	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.67	0.42	1.09	438	23.5	1.63	88	46.61	4.12	2.8
1233	TAMCOT PYRAMID	0.55	0.36	0.91	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.55	0.35	0.90	472	23.9	1.64	88	43.52	3.57	2.6
1019	ALL TEX ATLAS	0.67	0.48	1.14	424	26.3	1.69	86	49.99	4.58	2.9
.	LSD	0.11	0.05	0.16	56.9	7.2	0.14	5	2.88	0.79	0.6

REGION=BLACKLAND REGION=BLACKLAND REGION=BLACKLAND

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
ALL TEX ATLAS	5.30
TAMCOT PYRAMID	4.73
SG 215 BR	4.43
ACALA 1517-99	4.40
STV 4892 BR	4.30
PSC 355	3.95
DPL 458 BG/RR	3.53
LSD	0.37

LINT PERCENT	
ALL TEX ATLAS	37.0
STV 4892 BR	36.9
DPL 458 BG/RR	35.9
SG 215 BR	35.5
TAMCOT PYRAMID	35.2
PSC 355	35.2
ACALA 1517-99	33.4
LSD	3.1

SEED INDEX	
ACALA 1517-99	10.3
ALL TEX ATLAS	10.2
TAMCOT PYRAMID	9.4
STV 4892 BR	9.1
SG 215 BR	8.8
PSC 355	8.8
DPL 458 BG/RR	7.1
LSD	1.3

2.5% S.L. (INCHES)	
ACALA 1517-99	1.18
ALL TEX ATLAS	1.10
STV 4892 BR	1.10
PSC 355	1.10
TAMCOT PYRAMID	1.05
DPL 458 BG/RR	1.05
SG 215 BR	1.00
LSD	0.09

UR (PERCENT)	
PSC 355	84.2
ACALA 1517-99	83.8
ALL TEX ATLAS	83.2
STV 4892 BR	83.1
SG 215 BR	82.9
TAMCOT PYRAMID	82.3
DPL 458 BG/RR	81.6
LSD	1.3

STRENGTH (G/TEX)	
ACALA 1517-99	38.0
PSC 355	35.8
ALL TEX ATLAS	33.0
STV 4892 BR	32.0
TAMCOT PYRAMID	30.0
DPL 458 BG/RR	30.0
SG 215 BR	28.3
LSD	3.4

E	
PSC 355	9.1
ACALA 1517-99	8.2
STV 4892 BR	8.1
SG 215 BR	8.1
ALL TEX ATLAS	7.8
TAMCOT PYRAMID	7.6
DPL 458 BG/RR	7.5
LSD	0.9

MICRONAIRE (SL-HVI)	
STV 4892 BR	4.73
ALL TEX ATLAS	4.70
TAMCOT PYRAMID	4.60
DPL 458 BG/RR	4.60
PSC 355	4.58
SG 215 BR	4.53
ACALA 1517-99	3.98
LSD	0.34

COLORIMETER - Rd	
DPL 458 BG/RR	65.3
STV 4892 BR	63.8
SG 215 BR	63.8
TAMCOT PYRAMID	62.0
ACALA 1517-99	61.5
PSC 355	60.5
ALL TEX ATLAS	59.0
LSD	5.4

COLORIMETER - b	
STV 4892 BR	8.5
TAMCOT PYRAMID	8.5
SG 215 BR	8.4
DPL 458 BG/RR	8.3
PSC 355	8.3
ALL TEX ATLAS	8.2
ACALA 1517-99	7.7
LSD	1.1

MICRONAIRE	
STV 4892 BR	4.80
ALL TEX ATLAS	4.70
TAMCOT PYRAMID	4.63
DPL 458 BG/RR	4.58
SG 215 BR	4.55
PSC 355	4.55
ACALA 1517-99	4.00
LSD	0.32

STELOMETER - E1	
SG 215 BR	8.5
PSC 355	8.3
ALL TEX ATLAS	8.0
DPL 458 BG/RR	7.3
TAMCOT PYRAMID	7.1
ACALA 1517-99	6.7
STV 4892 BR	6.5
LSD	1.3

STELOMETER - T1	
ACALA 1517-99	270
ALL TEX ATLAS	232
PSC 355	221
TAMCOT PYRAMID	194
STV 4892 BR	184
DPL 458 BG/RR	184
SG 215 BR	173
LSD	40

FIBROGRAPH--50% S.L.	
ACALA 1517-99	0.57
PSC 355	0.55
ALL TEX ATLAS	0.54
STV 4892 BR	0.53
SG 215 BR	0.52
TAMCOT PYRAMID	0.50
DPL 458 BG/RR	0.49
LSD	0.03

FIBROGRAPH--2.5% S.L.	
ACALA 1517-99	1.20
PSC 355	1.10
ALL TEX ATLAS	1.09
STV 4892 BR	1.08
SG 215 BR	1.07
DPL 458 BG/RR	1.07
TAMCOT PYRAMID	1.04
LSD	0.05

YARN TENACITY	
ACALA 1517-99	158
PSC 355	138
ALL TEX ATLAS	132
STV 4892 BR	125
DPL 458 BG/RR	120
TAMCOT PYRAMID	113
SG 215 BR	105
LSD	13

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	472
DPL 458 BG/RR	438
ALL TEX ATLAS	424
STV 4892 BR	413
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	56.9

AREALOMETER - D (mm2/mm3)	
ALL TEX ATLAS	26.3
STV 4892 BR	24.4
ACALA 1517-99	23.9
DPL 458 BG/RR	23.5
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	7.2

AREALOMETER - I	
ALL TEX ATLAS	1.69
STV 4892 BR	1.65
ACALA 1517-99	1.64
DPL 458 BG/RR	1.63
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	0.14

AREALOMETER - M (PERCENT)	
ACALA 1517-99	88
DPL 458 BG/RR	88
STV 4892 BR	88
ALL TEX ATLAS	86
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	5

AREALOMETER - p (Microns)	
STV 4892 BR	50.01
ALL TEX ATLAS	49.99
DPL 458 BG/RR	46.61
ACALA 1517-99	43.52
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	2.88

AREALOMETER - w (MG/INCH)	
STV 4892 BR	4.68
ALL TEX ATLAS	4.58
DPL 458 BG/RR	4.12
ACALA 1517-99	3.57
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	0.79

AREALOMETER - t (MICRONS)	
STV 4892 BR	3.0
ALL TEX ATLAS	2.9
DPL 458 BG/RR	2.8
ACALA 1517-99	2.6
PSC 355	.
TAMCOT PYRAMID	.
SG 215 BR	.
LSD	0.6

SEED YIELD (LB/ACRE)	
PSC 355	1357
SG 215 BR	1293
STV 4892 BR	1229
TAMCOT PYRAMID	1096
DPL 458 BG/RR	1052
ACALA 1517-99	970
ALL TEX ATLAS	628
LSD	282

OIL (PERCENT)	
ALL TEX ATLAS	19.07
ACALA 1517-99	17.84
PSC 355	17.84
TAMCOT PYRAMID	17.20
SG 215 BR	17.18
DPL 458 BG/RR	17.03
STV 4892 BR	16.96
LSD	2.61

NITROGEN (PERCENT)	
TAMCOT PYRAMID	4.09
PSC 355	3.91
ACALA 1517-99	3.91
SG 215 BR	3.87
ALL TEX ATLAS	3.84
STV 4892 BR	3.67
DPL 458 BG/RR	3.60
LSD	0.38

PLUS GOSSYPOL	
STV 4892 BR	0.77
PSC 355	0.75
DPL 458 BG/RR	0.67
ALL TEX ATLAS	0.67
SG 215 BR	0.57
TAMCOT PYRAMID	0.55
ACALA 1517-99	0.55
LSD	0.11

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
ALL TEX ATLAS	0.48	STV 4892 BR	1.22
STV 4892 BR	0.45	ALL TEX ATLAS	1.14
DPL 458 BG/RR	0.42	PSC 355	1.14
PSC 355	0.39	DPL 458 BG/RR	1.09
TAMCOT PYRAMID	0.36	SG 215 BR	0.92
ACALA 1517-99	0.35	TAMCOT PYRAMID	0.91
SG 215 BR	0.35	ACALA 1517-99	0.90
LSD	0.05	LSD	0.16

160 REGION=BLACKLAND
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
THRALL, TX	609	4.45	39.8	9.3	125	1.10	0.54	203	7.5
DALLAS, TX	555	4.13	30.4	8.7	129	1.08	0.52	210	7.4

LOCATION	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
THRALL, TX	4.66	1.09	83.1	31.9	8.1	60.6	8.3	4.65	907	17.51	3.82
DALLAS, TX	4.38	1.07	82.8	32.9	8.1	64.8	8.2	4.36	1379	17.43	3.86

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

LOCATION	PLUS (+)	MINUS (-)	TOTAL (%)	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
THRALL, TX	0.66	0.43	1.09	430	23.3	1.62	88	47.47	4.30	2.9
DALLAS, TX	0.62	0.35	0.97	449	25.6	1.67	87	46.79	4.04	2.8

DALLAS, TX

VARIETY		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 (%)
1232	SG 215 BR	682	4.40	31.5	8.4	105	1.05	0.51	183	8.3
1196	STV 4892 BR	625	4.25	32.1	8.9	124	1.08	0.52	193	7.0
1158	PSC 355	562	3.80	29.2	8.6	142	1.09	0.54	239	8.0
1233	TAMCOT PYRAMID	531	4.55	29.7	9.0	113	1.02	0.48	201	7.1
1152	DPL 458 BG/RR	476	3.55	31.3	7.3	124	1.07	0.48	183	7.0
1128	ACALA 1517-99	452	4.25	28.4	9.8	164	1.18	0.57	262	6.8
.	LSD	81	0.72	1.3	0.5	13	0.03	0.07	9	1.1

VARIETY		MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1232	SG 215 BR	4.40	1.00	82.8	28.0	7.9	66.0	8.5	4.45	1535	17.48	4.00
1196	STV 4892 BR	4.65	1.10	82.6	32.0	7.8	65.5	8.6	4.60	1434	16.78	3.70
1158	PSC 355	4.30	1.10	84.6	37.0	9.0	61.0	8.4	4.30	1635	17.37	3.97
1233	TAMCOT PYRAMID	4.50	1.00	82.0	30.0	7.5	66.0	8.6	4.45	1343	16.54	4.14
1152	DPL 458 BG/RR	4.50	1.05	81.5	31.0	7.5	66.5	7.9	4.45	1152	18.05	3.59

1128	ACALA 1517-99	3.95	1.15	83.6	39.5	8.6	63.5	7.3	3.90	1178	18.35	3.76
.	LSD	0.38	0.11	1.9	2.0	0.2	2.9	0.4	0.46	360	1.51	0.34

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1232	SG 215 BR	0.57	0.33	0.90	.	.	.	.	.	.	.
1196	STV 4892 BR	0.72	0.41	1.12	423	26.8	1.70	86	50.37	4.61	2.9
1158	PSC 355	0.75	0.35	1.10	.	.	.	.	.	.	.
1233	TAMCOT PYRAMID	0.51	0.31	0.82	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.65	0.40	1.05	453	25.5	1.67	87	46.15	3.94	2.7
1128	ACALA 1517-99	0.55	0.32	0.86	473	24.5	1.65	88	43.86	3.59	2.7
.	LSD	0.06	0.06	0.09	9.8	15.2	0.32	12	9.49	0.71	0.2

THRALL, TX

		LINT YIELD	BOLL SIZE	LINT	SEED	YARN TENACITY	DIGITAL FIBROGRAPH 2.5% S.L.	50% S.L.	STELOMETER T1	E1
VARIETY		(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1196	STV 4892 BR	817	4.35	41.7	9.2	126	1.08	0.53	176	6.1
1152	DPL 458 BG/RR	724	3.50	40.4	6.8	116	1.06	0.50	185	7.7
1158	PSC 355	698	4.10	41.1	9.0	134	1.11	0.56	203	8.7
1232	SG 215 BR	686	4.45	39.5	9.3	106	1.09	0.53	164	8.7
1233	TAMCOT PYRAMID	547	4.90	40.6	9.9	112	1.07	0.52	188	7.2
1128	ACALA 1517-99	456	4.55	38.5	10.7	152	1.22	0.58	277	6.7
1019	ALL TEX ATLAS	334	5.30	37.0	10.2	132	1.09	0.54	232	8.0
.	LSD	165	0.41	0.5	0.8	7	0.04	0.02	19	1.2

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

VARIETY		MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	4.95	1.10	83.6	32.0	8.3	62.0	8.5	4.85	1024	17.14	3.64
1152	DPL 458 BG/RR	4.65	1.05	81.7	29.0	7.5	64.0	8.8	4.75	952	16.01	3.61
1158	PSC 355	4.80	1.10	83.9	34.5	9.1	60.0	8.2	4.85	1080	18.31	3.86
1232	SG 215 BR	4.70	1.00	83.0	28.5	8.2	61.5	8.4	4.60	1050	16.88	3.75
1233	TAMCOT PYRAMID	4.75	1.10	82.6	30.0	7.7	58.0	8.4	4.75	850	17.85	4.03
1128	ACALA 1517-99	4.05	1.20	84.0	36.5	7.8	59.5	8.0	4.05	763	17.34	4.06
1019	ALL TEX ATLAS	4.70	1.10	83.2	33.0	7.8	59.0	8.2	4.70	628	19.07	3.84
.	LSD	0.54	0.07	0.9	2.2	0.5	2.5	0.9	0.49	381	1.09	0.24

VARIETY		GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	0.83	0.50	1.32	403	22.0	1.60	90	49.66	4.76	3.1
1152	DPL 458 BG/RR	0.69	0.45	1.14	423	21.5	1.59	90	47.06	4.30	3.0
1158	PSC 355	0.76	0.42	1.18	.	.	.	.	.	.	.
1232	SG 215 BR	0.56	0.37	0.93	.	.	.	.	.	.	.
1233	TAMCOT PYRAMID	0.60	0.41	1.01	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.55	0.38	0.93	472	23.3	1.62	89	43.19	3.54	2.6
1019	ALL TEX ATLAS	0.67	0.48	1.14	424	26.3	1.69	86	49.99	4.58	2.9
.	LSD	0.12	0.12	0.20	57.9	11.8	0.25	10	4.50	0.83	0.5

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 PLAINS REGIONAL COTTON VARIETY TEST

BOTH PLAINS REGIONS COMBINED
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 (%)
1169	FIBERMAX 958	825	5.15	38.0	10.1	141	1.15	0.54	225	6.8
1196	STV 4892 BR	789	4.71	38.4	9.8	121	1.09	0.53	196	7.9
1152	DPL 458 BG/RR	773	4.33	36.4	8.7	116	1.11	0.51	205	8.9
1213	FM 5013	755	4.95	35.6	9.9	122	1.07	0.52	210	8.8
1135	PAYMASTER 2326 RR	731	5.05	35.5	10.1	128	1.06	0.52	221	8.6
1214	PM 2167 RR	726	4.80	36.7	9.4	118	1.02	0.51	189	7.7
1215	PM 2266 RR	724	5.55	34.9	11.0	126	1.08	0.52	218	8.7
971	STV 474	690	4.50	38.0	9.6	122	1.10	0.53	198	7.9
1217	TAMCOT LUXOR	685	5.78	37.0	10.2	125	1.08	0.52	205	8.0

1212	ALL TEX ATLAS RR	664	5.38	35.2	10.2	126	1.06	0.51	206	8.1
1216	STV 2454 RR	641	5.15	36.6	10.0	121	1.07	0.52	204	8.4
1019	ALL TEX ATLAS	628	5.36	35.2	10.3	132	1.07	0.52	223	9.0
1128	ACALA 1517-99	623	4.78	36.0	10.7	154	1.19	0.56	259	7.9
.	LSD	124	0.25	1.7	0.5	9	0.04	0.02	12	0.7

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
						COLORIMETER HUNTER'S						
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1169	FIBERMAX 958	4.33	1.14	82.9	34.3	7.6	71.0	8.4	4.36	1210	19.09	3.63
1196	STV 4892 BR	4.51	1.08	82.5	29.8	8.2	68.9	9.0	4.56	1146	17.75	3.73
1152	DPL 458 BG/RR	4.36	1.11	81.7	30.9	8.3	71.3	8.2	4.50	1269	17.89	3.58
1213	FM 5013	4.45	1.03	82.2	33.0	8.7	69.3	8.3	4.59	1236	19.73	3.70
1135	PAYMASTER 2326 RR	4.61	1.05	82.6	33.3	9.0	68.6	8.9	4.78	1201	19.22	3.72
1214	PM 2167 RR	4.51	0.99	81.9	31.3	8.4	70.4	8.9	4.61	1153	19.92	4.01
1215	PM 2266 RR	4.31	1.08	82.0	33.5	8.8	70.0	8.6	4.46	1265	18.73	3.55
971	STV 474	4.56	1.11	82.5	29.9	8.4	68.0	9.1	4.69	1055	18.54	3.82
1217	TAMCOT LUXOR	4.25	1.05	82.6	30.5	8.0	68.9	7.7	4.28	1128	19.37	3.86
1212	ALL TEX ATLAS RR	4.53	1.03	81.5	31.9	8.7	69.9	9.0	4.50	1159	20.23	3.78
1216	STV 2454 RR	4.39	1.06	81.9	30.9	8.6	70.3	8.5	4.50	1055	19.09	3.95
1019	ALL TEX ATLAS	4.39	1.05	82.5	33.3	8.8	70.9	8.8	4.45	1118	19.82	3.68
1128	ACALA 1517-99	3.99	1.18	83.4	37.0	8.6	69.4	8.5	4.01	1072	19.52	3.85
.	LSD	0.28	0.05	1.1	2.1	0.4	2.0	0.8	0.31	210	0.80	0.26

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1169	FIBERMAX 958	0.47	0.46	0.93	.	.	.	.	.	.	.
1196	STV 4892 BR	0.84	0.55	1.39	450	32.5	1.79	82	50.19	4.45	2.8
1152	DPL 458 BG/RR	0.71	0.51	1.22	446	25.3	1.65	87	46.43	4.07	2.8
1213	FM 5013	0.71	0.50	1.22	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	0.71	0.51	1.22	.	.	.	.	.	.	.
1214	PM 2167 RR	0.65	0.33	0.97	.	.	.	.	.	.	.
1215	PM 2266 RR	0.65	0.43	1.08	.	.	.	.	.	.	.

971	STV 474	0.89	0.57	1.46	.	.	.	.	.	.	.
1217	TAMCOT LUXOR	0.58	0.40	0.98	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	0.72	0.50	1.21	.	.	.	.	.	.	.
1216	STV 2454 RR	0.62	0.40	1.02	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.68	0.47	1.15	445	25.8	1.67	87	47.10	4.12	2.8
1128	ACALA 1517-99	0.60	0.40	1.00	488	26.1	1.68	87	43.19	3.46	2.6
.	LSD	0.07	0.06	0.12	44.9	9.6	0.21	8	2.31	0.48	0.4

Reg=11 PLAINS INCLUDING LUBBOCK, TX AND LaMESA, TX
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 (%)
1169	FIBERMAX 958	615	4.90	32.3	10.2	136	1.17	0.53	212	7.4
1214	PM 2167 RR	584	4.43	33.7	9.1	112	1.01	0.51	186	8.0
1019	ALL TEX ATLAS	566	4.85	30.9	9.9	129	1.07	0.51	207	9.7
1135	PAYMASTER 2326 RR	554	4.65	31.7	9.7	128	1.06	0.51	217	9.1
1215	PM 2266 RR	547	5.13	30.5	10.7	124	1.09	0.51	205	9.2
1213	FM 5013	513	4.45	30.7	9.6	123	1.09	0.52	207	9.6
1196	STV 4892 BR	507	4.33	31.4	10.0	120	1.12	0.54	191	8.5
1212	ALL TEX ATLAS RR	503	4.93	31.3	9.8	122	1.06	0.51	196	8.9
1216	STV 2454 RR	498	4.80	33.1	9.6	114	1.08	0.52	201	8.9
1152	DPL 458 BG/RR	476	4.10	30.9	8.6	120	1.15	0.52	203	9.4
1217	TAMCOT LUXOR	436	5.38	31.3	9.9	124	1.09	0.51	196	8.3
971	STV 474	436	4.20	31.1	9.8	122	1.11	0.53	197	8.7
1128	ACALA 1517-99	429	4.35	30.2	10.8	154	1.20	0.56	249	8.3
.	LSD	190	0.52	2.9	1.5	14	0.07	0.04	15	1.2

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

1169 FIBERMAX 958	4.58	1.15	82.2	31.8	7.5	73.3	8.6	4.63	1248	19.95	3.46
1214 PM 2167 RR	4.73	1.00	80.6	29.5	8.7	71.5	9.0	4.83	1182	20.60	3.84
1019 ALL TEX ATLAS	4.60	1.05	81.7	32.3	9.1	72.3	8.9	4.68	1311	20.28	3.64
1135 PAYMASTER 2326 RR	4.80	1.05	82.2	32.3	9.2	71.0	9.2	4.88	1190	19.86	3.56
1215 PM 2266 RR	4.38	1.10	81.5	31.8	9.0	71.3	8.6	4.50	1273	19.34	3.51
1213 FM 5013	4.45	1.03	81.6	31.8	8.9	72.0	8.3	4.58	1171	19.87	3.52
1196 STV 4892 BR	4.53	1.13	82.9	30.5	8.7	72.0	9.5	4.60	1055	18.31	3.60
1212 ALL TEX ATLAS RR	4.63	1.00	81.2	30.8	9.0	72.0	9.1	4.68	1117	20.81	3.69
1216 STV 2454 RR	4.60	1.08	81.6	30.5	8.9	72.0	8.6	4.70	1052	20.04	3.94
1152 DPL 458 BG/RR	4.43	1.15	82.3	31.0	8.5	74.5	8.6	4.50	1017	18.27	3.46
1217 TAMCOT LUXOR	4.43	1.08	82.0	30.5	8.3	70.8	7.2	4.45	990	20.07	3.81
971 STV 474	4.75	1.15	83.0	30.0	8.6	70.8	9.4	4.90	953	18.89	3.74
1128 ACALA 1517-99	4.03	1.20	83.5	36.3	9.0	70.5	8.3	4.08	997	20.34	3.88
. LSD	0.34	0.08	1.2	1.8	0.5	2.0	1.3	0.37	370	1.12	0.56

VARIETY CODE	VARIETY NAME	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
1169	FIBERMAX 958	0.55	0.54	1.08	.	.	.	.	.	.	.
1214	PM 2167 RR	0.70	0.37	1.07	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.72	0.51	1.23	415	18.9	1.53	93	46.23	4.32	3.1
1135	PAYMASTER 2326 RR	0.78	0.56	1.34	.	.	.	.	.	.	.
1215	PM 2266 RR	0.73	0.47	1.20	.	.	.	.	.	.	.
1213	FM 5013	0.78	0.56	1.35	.	.	.	.	.	.	.
1196	STV 4892 BR	0.90	0.62	1.51	440	32.8	1.82	81	51.85	4.58	2.8
1212	ALL TEX ATLAS RR	0.77	0.53	1.30	.	.	.	.	.	.	.
1216	STV 2454 RR	0.71	0.46	1.17	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	0.79	0.59	1.38	437	23.6	1.63	88	46.76	4.14	2.9
1217	TAMCOT LUXOR	0.64	0.46	1.10	.	.	.	.	.	.	.
971	STV 474	0.96	0.66	1.61	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.65	0.44	1.08	474	23.9	1.64	88	43.35	3.54	2.6
.	LSD	0.13	0.10	0.22	36.9	9.3	0.19	7	3.04	0.35	0.3

Reg=12 PLAINS INCLUDING CHICKASHA (DRY); CHICKASHA (IRR); TIPTON, OK; AND CHILLICOTHE, TX
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 (%)
1197	NM 970123	1420	6.01	36.4	11.4	161	1.24	0.59	249	6.1
1129	LSD	1412	5.93	38.5	11.2	151	1.21	0.57	229	8.1
1166	PHYTOGEN 72	1383	5.62	41.1	10.5	148	1.23	0.59	233	8.3
874	ACALA 1517-95	1231	5.92	37.4	12.1	155	1.20	0.57	224	7.2
1103	FIBERMAX 989	1086	6.19	40.3	10.6	155	1.19	0.56	235	6.4
1167	NM 970513	1081	6.14	40.3	12.7	167	1.23	0.58	245	5.9
1196	STV 4892 BR	972	5.00	41.5	9.8	123	1.08	0.52	198	7.8
1152	DPL 458 BG/RR	962	4.55	38.9	8.9	119	1.11	0.52	209	8.7
1169	FIBERMAX 958	909	5.28	40.8	10.0	146	1.13	0.55	238	6.3
1213	FM 5013	852	5.20	38.1	10.0	122	1.05	0.52	214	8.0
1135	PAYMASTER 2326 RR	802	5.25	37.4	10.4	128	1.06	0.53	226	8.2
1215	PM 2266 RR	794	5.76	37.1	11.2	129	1.07	0.53	230	8.2
971	STV 474	791	4.65	41.4	9.5	121	1.10	0.53	200	7.2
1217	TAMCOT LUXOR	784	5.98	39.8	10.4	127	1.07	0.53	213	7.7
1214	PM 2167 RR	782	4.99	38.2	9.6	124	1.03	0.52	193	7.4
1128	ACALA 1517-99	756	5.12	38.7	10.8	153	1.19	0.57	257	7.5
1212	ALL TEX ATLAS RR	729	5.60	37.2	10.4	130	1.06	0.52	216	7.3
1216	STV 2454 RR	698	5.33	38.4	10.2	128	1.06	0.53	206	8.0
1019	ALL TEX ATLAS	692	5.76	37.4	10.7	135	1.08	0.54	230	8.6
.	LSD	317	0.66	2.4	0.9	16	0.07	0.03	28	1.4

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1197	NM 970123	4.75	1.25	85.9	36.0	8.7	79.5	8.4	4.70	2480	17.19	3.83
1129	LSD	4.45	1.20	83.2	33.5	8.9	74.5	8.3	4.60	2255	21.06	3.39
1166	PHYTOGEN 72	4.65	1.20	85.0	32.5	9.1	74.5	8.4	4.80	1983	21.38	3.62
874	ACALA 1517-95	4.55	1.20	85.1	34.5	8.8	76.0	8.0	4.70	2063	20.84	3.63

1103 FIBERMAX 989	4.50	1.20	83.8	34.0	8.3	76.0	8.3	4.45	1612	20.75	3.80
1167 NM 970513	4.55	1.20	84.7	37.5	8.6	76.0	8.2	4.55	1605	21.91	3.59
1196 STV 4892 BR	4.57	1.05	82.6	29.5	8.2	68.8	8.5	4.58	1414	17.65	3.77
1152 DPL 458 BG/RR	4.40	1.12	82.0	30.7	8.5	70.8	7.6	4.60	1630	17.59	3.60
1169 FIBERMAX 958	4.08	1.13	83.6	36.8	7.8	68.8	8.3	4.10	1191	18.23	3.80
1213 FM 5013	4.45	1.03	82.8	34.3	8.5	66.5	8.4	4.60	1268	19.59	3.89
1135 PAYMASTER 2326 RR	4.43	1.05	83.0	34.3	8.8	66.3	8.6	4.68	1207	18.58	3.88
1215 PM 2266 RR	4.25	1.05	82.6	35.3	8.6	68.8	8.6	4.43	1261	18.12	3.59
971 STV 474	4.38	1.08	82.0	29.8	8.1	65.3	8.8	4.48	1106	18.19	3.90
1217 TAMCOT LUXOR	4.08	1.03	83.2	30.5	7.8	67.0	8.2	4.10	1196	18.67	3.91
1214 PM 2167 RR	4.30	0.98	83.2	33.0	8.2	69.3	8.9	4.40	1139	19.23	4.18
1128 ACALA 1517-99	4.10	1.18	83.9	36.5	8.4	70.7	8.4	4.12	1309	19.65	3.79
1212 ALL TEX ATLAS RR	4.43	1.05	81.9	33.0	8.4	67.8	8.9	4.33	1180	19.65	3.88
1216 STV 2454 RR	4.18	1.05	82.3	31.3	8.3	68.5	8.5	4.30	1056	18.15	3.97
1019 ALL TEX ATLAS	4.30	1.07	83.4	33.2	8.7	71.7	8.4	4.43	1154	20.23	3.67
. LSD	0.66	0.10	1.7	4.6	1.0	4.4	1.4	0.77	591	2.19	0.33

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS--- PLUS (+)	MINUS (-)	TOTAL (%)	----------AREALOMETER DATA---------- A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1197	NM 970123	0.65	0.43	1.08	.	.	.	.	.	.	.
1129	LSD	0.81	0.60	1.40	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.69	0.57	1.25	.	.	.	.	.	.	.
874	ACALA 1517-95	0.66	0.51	1.17	.	.	.	.	.	.	.
1103	FIBERMAX 989	0.59	0.51	1.10	.	.	.	.	.	.	.
1167	NM 970513	0.73	0.56	1.28	.	.	.	.	.	.	.
1196	STV 4892 BR	0.85	0.55	1.40	446	29.9	1.74	84	49.02	4.42	2.9
1152	DPL 458 BG/RR	0.68	0.50	1.18	442	25.8	1.66	87	47.15	4.20	2.9
1169	FIBERMAX 958	0.40	0.38	0.77	.	.	.	.	.	.	.
1213	FM 5013	0.65	0.44	1.08	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	0.64	0.46	1.10	.	.	.	.	.	.	.
1215	PM 2266 RR	0.58	0.38	0.96	.	.	.	.	.	.	.
971	STV 474	0.82	0.48	1.30	.	.	.	.	.	.	.
1217	TAMCOT LUXOR	0.51	0.34	0.85	.	.	.	.	.	.	.
1214	PM 2167 RR	0.60	0.28	0.88	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.64	0.44	1.07	484	26.1	1.68	87	43.57	3.54	2.6
1212	ALL TEX ATLAS RR	0.67	0.46	1.13	.	.	.	.	.	.	.

1216	STV 2454 RR	0.54	0.34	0.88	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.70	0.50	1.20	453	29.0	1.74	84	48.19	4.15	2.7
.	LSD	0.13	0.10	0.20	62.5	11.8	0.24	9	2.41	0.71	0.6

REGION=PLAINS

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
TAMCOT LUXOR	5.78
PM 2266 RR	5.55
ALL TEX ATLAS RR	5.38
ALL TEX ATLAS	5.36
STV 2454 RR	5.15
FIBERMAX 958	5.15
PAYMASTER 2326 RR	5.05
FM 5013	4.95
PM 2167 RR	4.80
ACALA 1517-99	4.78
STV 4892 BR	4.71
STV 474	4.50
DPL 458 BG/RR	4.33
LSD	0.25

REGION=PLAINS

LINT PERCENT	
STV 4892 BR	38.4
FIBERMAX 958	38.0
STV 474	38.0
TAMCOT LUXOR	37.0
PM 2167 RR	36.7
STV 2454 RR	36.6
DPL 458 BG/RR	36.4
ACALA 1517-99	36.0
FM 5013	35.6
PAYMASTER 2326 RR	35.5
ALL TEX ATLAS RR	35.2
ALL TEX ATLAS	35.2
PM 2266 RR	34.9
LSD	1.7

REGION=PLAINS

SEED INDEX	
PM 2266 RR	11.0
ACALA 1517-99	10.7
ALL TEX ATLAS	10.3
TAMCOT LUXOR	10.2
ALL TEX ATLAS RR	10.2
PAYMASTER 2326 RR	10.1
FIBERMAX 958	10.1
STV 2454 RR	10.0
FM 5013	9.9
STV 4892 BR	9.8
STV 474	9.6
PM 2167 RR	9.4
DPL 458 BG/RR	8.7
LSD	0.5

2.5% S.L. (INCHES)	
ACALA 1517-99	1.18
FIBERMAX 958	1.14
STV 474	1.11
DPL 458 BG/RR	1.11
PM 2266 RR	1.08
STV 4892 BR	1.08

UR (PERCENT)	
ACALA 1517-99	83.4
FIBERMAX 958	82.9
TAMCOT LUXOR	82.6
PAYMASTER 2326 RR	82.6
STV 4892 BR	82.5
ALL TEX ATLAS	82.5

STRENGTH (G/TEX)	
ACALA 1517-99	37.0
FIBERMAX 958	34.3
PM 2266 RR	33.5
PAYMASTER 2326 RR	33.3
ALL TEX ATLAS	33.3
FM 5013	33.0

STV 2454 RR	1.06
ALL TEX ATLAS	1.05
TAMCOT LUXOR	1.05
PAYMASTER 2326 RR	1.05
ALL TEX ATLAS RR	1.03
FM 5013	1.03
PM 2167 RR	0.99
LSD	0.05

STV 474	82.5
FM 5013	82.2
PM 2266 RR	82.0
STV 2454 RR	81.9
PM 2167 RR	81.9
DPL 458 BG/RR	81.7
ALL TEX ATLAS RR	81.5
LSD	1.1

ALL TEX ATLAS RR	31.9
PM 2167 RR	31.3
STV 2454 RR	30.9
DPL 458 BG/RR	30.9
TAMCOT LUXOR	30.5
STV 474	29.9
STV 4892 BR	29.8
LSD	2.1

E	
PAYMASTER 2326 RR	9.0
PM 2266 RR	8.8
ALL TEX ATLAS	8.8
FM 5013	8.7
ALL TEX ATLAS RR	8.7
ACALA 1517-99	8.6
STV 2454 RR	8.6
PM 2167 RR	8.4
STV 474	8.4
DPL 458 BG/RR	8.3
STV 4892 BR	8.2
TAMCOT LUXOR	8.0
FIBERMAX 958	7.6
LSD	0.4

MICRONAIRE (SL-HVI)	
PAYMASTER 2326 RR	4.78
STV 474	4.69
PM 2167 RR	4.61
FM 5013	4.59
STV 4892 BR	4.56
ALL TEX ATLAS RR	4.50
STV 2454 RR	4.50
DPL 458 BG/RR	4.50
PM 2266 RR	4.46
ALL TEX ATLAS	4.45
FIBERMAX 958	4.36
TAMCOT LUXOR	4.28
ACALA 1517-99	4.01
LSD	0.31

COLORIMETER - Rd	
DPL 458 BG/RR	71.3
FIBERMAX 958	71.0
ALL TEX ATLAS	70.9
PM 2167 RR	70.4
STV 2454 RR	70.3
PM 2266 RR	70.0
ALL TEX ATLAS RR	69.9
ACALA 1517-99	69.4
FM 5013	69.3
STV 4892 BR	68.9
TAMCOT LUXOR	68.9
PAYMASTER 2326 RR	68.6
STV 474	68.0
LSD	2.0

COLORIMETER - b	
STV 474	9.1
STV 4892 BR	9.0
ALL TEX ATLAS RR	9.0
PM 2167 RR	8.9
PAYMASTER 2326 RR	8.9
ALL TEX ATLAS	8.8
PM 2266 RR	8.6
STV 2454 RR	8.5

MICRONAIRE	
PAYMASTER 2326 RR	4.61
STV 474	4.56
ALL TEX ATLAS RR	4.53
STV 4892 BR	4.51
PM 2167 RR	4.51
FM 5013	4.45
ALL TEX ATLAS	4.39
STV 2454 RR	4.39

STELOMETER - E1	
ALL TEX ATLAS	9.0
DPL 458 BG/RR	8.9
FM 5013	8.8
PM 2266 RR	8.7
PAYMASTER 2326 RR	8.6
STV 2454 RR	8.4
ALL TEX ATLAS RR	8.1
TAMCOT LUXOR	8.0

ACALA 1517-99	8.5	DPL 458 BG/RR	4.36	STV 474	7.9
FIBERMAX 958	8.4	FIBERMAX 958	4.33	STV 4892 BR	7.9
FM 5013	8.3	PM 2266 RR	4.31	ACALA 1517-99	7.9
DPL 458 BG/RR	8.2	TAMCOT LUXOR	4.25	PM 2167 RR	7.7
TAMCOT LUXOR	7.7	ACALA 1517-99	3.99	FIBERMAX 958	6.8
LSD	0.8	LSD	0.28	LSD	0.7

STELOMETER - T1		FIBROGRAPH--50% S.L.		FIBROGRAPH--2.5% S.L.	
ACALA 1517-99	259	ACALA 1517-99	0.56	ACALA 1517-99	1.19
FIBERMAX 958	225	FIBERMAX 958	0.54	FIBERMAX 958	1.15
ALL TEX ATLAS	223	STV 474	0.53	DPL 458 BG/RR	1.11
PAYMASTER 2326 RR	221	STV 4892 BR	0.53	STV 474	1.10
PM 2266 RR	218	PM 2266 RR	0.52	STV 4892 BR	1.09
FM 5013	210	FM 5013	0.52	PM 2266 RR	1.08
ALL TEX ATLAS RR	206	STV 2454 RR	0.52	TAMCOT LUXOR	1.08
DPL 458 BG/RR	205	ALL TEX ATLAS	0.52	FM 5013	1.07
TAMCOT LUXOR	205	PAYMASTER 2326 RR	0.52	STV 2454 RR	1.07
STV 2454 RR	204	TAMCOT LUXOR	0.52	ALL TEX ATLAS	1.07
STV 474	198	DPL 458 BG/RR	0.51	PAYMASTER 2326 RR	1.06
STV 4892 BR	196	PM 2167 RR	0.51	ALL TEX ATLAS RR	1.06
PM 2167 RR	189	ALL TEX ATLAS RR	0.51	PM 2167 RR	1.02
LSD	12	LSD	0.02	LSD	0.04

YARN TENACITY		AREALOMETER - A (mm2/mm3)		AREALOMETER - D (mm2/mm3)	
ACALA 1517-99	154	ACALA 1517-99	488	STV 4892 BR	32.5
FIBERMAX 958	141	STV 4892 BR	450	ACALA 1517-99	26.1
ALL TEX ATLAS	132	DPL 458 BG/RR	446	ALL TEX ATLAS	25.8
PAYMASTER 2326 RR	128	ALL TEX ATLAS	445	DPL 458 BG/RR	25.3
PM 2266 RR	126	FIBERMAX 958	.	FIBERMAX 958	.
ALL TEX ATLAS RR	126	PAYMASTER 2326 RR	.	PAYMASTER 2326 RR	.
TAMCOT LUXOR	125	PM 2266 RR	.	PM 2266 RR	.
FM 5013	122	ALL TEX ATLAS RR	.	ALL TEX ATLAS RR	.
STV 474	122	TAMCOT LUXOR	.	TAMCOT LUXOR	.
STV 2454 RR	121	FM 5013	.	FM 5013	.

STV 4892 BR	121	STV 474	.	STV 474	.
PM 2167 RR	118	STV 2454 RR	.	STV 2454 RR	.
DPL 458 BG/RR	116	PM 2167 RR	.	PM 2167 RR	.
LSD	9	LSD	44.9	LSD	9.6

AREALOMETER - I		AREALOMETER - M (PERCENT)		AREALOMETER - p (Microns)	
STV 4892 BR	1.79	DPL 458 BG/RR	87	STV 4892 BR	50.19
ACALA 1517-99	1.68	ALL TEX ATLAS	87	ALL TEX ATLAS	47.10
ALL TEX ATLAS	1.67	ACALA 1517-99	87	DPL 458 BG/RR	46.43
DPL 458 BG/RR	1.65	STV 4892 BR	82	ACALA 1517-99	43.19
FIBERMAX 958	.	FIBERMAX 958	.	FIBERMAX 958	.
PAYMASTER 2326 RR	.	PAYMASTER 2326 RR	.	PAYMASTER 2326 RR	.
PM 2266 RR	.	PM 2266 RR	.	PM 2266 RR	.
ALL TEX ATLAS RR	.	ALL TEX ATLAS RR	.	ALL TEX ATLAS RR	.
TAMCOT LUXOR	.	TAMCOT LUXOR	.	TAMCOT LUXOR	.
FM 5013	.	FM 5013	.	FM 5013	.
STV 474	.	STV 474	.	STV 474	.
STV 2454 RR	.	STV 2454 RR	.	STV 2454 RR	.
PM 2167 RR	.	PM 2167 RR	.	PM 2167 RR	.
LSD	0.21	LSD	8	LSD	2.31

AREALOMETER - w (MG/INCH)		AREALOMETER - t (MICRONS)		SEED YIELD (LB/ACRE)	
STV 4892 BR	4.45	DPL 458 BG/RR	2.8	DPL 458 BG/RR	1269
ALL TEX ATLAS	4.12	ALL TEX ATLAS	2.8	PM 2266 RR	1265
DPL 458 BG/RR	4.07	STV 4892 BR	2.8	FM 5013	1236
ACALA 1517-99	3.46	ACALA 1517-99	2.6	FIBERMAX 958	1210
FIBERMAX 958	.	FIBERMAX 958	.	PAYMASTER 2326 RR	1201
PAYMASTER 2326 RR	.	PAYMASTER 2326 RR	.	ALL TEX ATLAS RR	1159
PM 2266 RR	.	PM 2266 RR	.	PM 2167 RR	1153
ALL TEX ATLAS RR	.	ALL TEX ATLAS RR	.	STV 4892 BR	1146
TAMCOT LUXOR	.	TAMCOT LUXOR	.	TAMCOT LUXOR	1128
FM 5013	.	FM 5013	.	ALL TEX ATLAS	1118
STV 474	.	STV 474	.	ACALA 1517-99	1072
STV 2454 RR	.	STV 2454 RR	.	STV 474	1055

PM 2167 RR	.
LSD	0.48

PM 2167 RR	.
LSD	0.4

STV 2454 RR	1055
LSD	210

OIL (PERCENT)	
ALL TEX ATLAS RR	20.23
PM 2167 RR	19.92
ALL TEX ATLAS	19.82
FM 5013	19.73
ACALA 1517-99	19.52
TAMCOT LUXOR	19.37
PAYMASTER 2326 RR	19.22
STV 2454 RR	19.09
FIBERMAX 958	19.09
PM 2266 RR	18.73
STV 474	18.54
DPL 458 BG/RR	17.89
STV 4892 BR	17.75
LSD	0.80

NITROGEN (PERCENT)	
PM 2167 RR	4.01
STV 2454 RR	3.95
TAMCOT LUXOR	3.86
ACALA 1517-99	3.85
STV 474	3.82
ALL TEX ATLAS RR	3.78
STV 4892 BR	3.73
PAYMASTER 2326 RR	3.72
FM 5013	3.70
ALL TEX ATLAS	3.68
FIBERMAX 958	3.63
DPL 458 BG/RR	3.58
PM 2266 RR	3.55
LSD	0.26

PLUS GOSSYPOL	
STV 474	0.89
STV 4892 BR	0.84
ALL TEX ATLAS RR	0.72
FM 5013	0.71
DPL 458 BG/RR	0.71
PAYMASTER 2326 RR	0.71
ALL TEX ATLAS	0.68
PM 2266 RR	0.65
PM 2167 RR	0.65
STV 2454 RR	0.62
ACALA 1517-99	0.60
TAMCOT LUXOR	0.58
FIBERMAX 958	0.47
LSD	0.07

MINUS GOSSYPOL	
STV 474	0.57
STV 4892 BR	0.55
PAYMASTER 2326 RR	0.51
DPL 458 BG/RR	0.51
FM 5013	0.50
ALL TEX ATLAS RR	0.50
ALL TEX ATLAS	0.47
FIBERMAX 958	0.46
PM 2266 RR	0.43
ACALA 1517-99	0.40
STV 2454 RR	0.40
TAMCOT LUXOR	0.40
PM 2167 RR	0.33
LSD	0.06

TOTAL GOSSYPOL (PERCENT)	
STV 474	1.46
STV 4892 BR	1.39
PAYMASTER 2326 RR	1.22
FM 5013	1.22
DPL 458 BG/RR	1.22
ALL TEX ATLAS RR	1.21
ALL TEX ATLAS	1.15
PM 2266 RR	1.08
STV 2454 RR	1.02
ACALA 1517-99	1.00
TAMCOT LUXOR	0.98
PM 2167 RR	0.97
FIBERMAX 958	0.93
LSD	0.12

11 REGION=PLAINS
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
CHILLICOTHE, TX (DRY)	1086	.	.	.	.	.	.	.	.
CHICKASHA, OK (IRR)	1083	5.87	41.0	10.7	.	.	.	.	.
ALTUS, OK (IRR)	1027	5.72	38.0	10.8	130	1.11	0.54	219	8.2
LUBBOCK, TX (IRR)	827	4.82	32.6	9.4	114	1.08	0.51	190	8.8
CHICKASHA, OK (DRY)	392	4.68	40.0	9.7	.	.	.	.	.
TIPTON, OK	370	4.65	36.6	9.2	128	1.05	0.51	220	7.1
LAMESA, TX (DRY)	198	4.49	30.3	10.2	136	1.12	0.53	220	8.7

LOCATION	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
CHILLICOTHE, TX (DRY)	.	.	.	.	.	.	.	.	.	.	.
CHICKASHA, OK (IRR)	.	.	.	.	.	.	.	.	1690	.	.
ALTUS, OK (IRR)	4.86	1.09	83.4	34.4	8.9	67.8	7.5	4.97	1808	20.54	3.69
LUBBOCK, TX (IRR)	4.44	1.07	81.3	29.5	8.5	67.9	8.7	4.57	1765	19.47	3.76
CHICKASHA, OK (DRY)	.	.	.	.	.	.	.	.	589	.	.
TIPTON, OK	3.67	1.02	81.9	31.7	7.6	67.5	9.6	3.73	628	16.56	4.02
LAMESA, TX (DRY)	4.62	1.11	82.7	33.4	8.9	75.7	8.7	4.66	475	20.01	3.57

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

CHILLICOTHE, TX (DRY)	.	.	.	.	.	.	.	.	.	.
CHICKASHA, OK (IRR)	.	.	.	.	.	.	.	.	.	.
ALTUS, OK (IRR)	0.78	0.56	1.33	407	18.4	1.51	93	46.64	4.49	3.2
LUBBOCK, TX (IRR)	0.70	0.52	1.22	436	23.2	1.62	89	46.70	4.18	2.9
CHICKASHA, OK (DRY)	.	.	.	.	.	.	.	.	.	.
TIPTON, OK	0.46	0.25	0.71	539	41.8	1.98	75	46.18	3.33	2.2
LAMESA, TX (DRY)	0.79	0.52	1.30	447	26.4	1.69	86	47.39	4.11	2.8

2002 NATIONAL COTTON VARIETY TEST 14:26 Tuesday, July 22, 2003 1432

LUBBOCK, TX (IRR)

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 (%)
1169 FIBERMAX 958	1035	5.05	34.6	9.3	120	1.11	0.50	199	7.4
1214 PM 2167 RR	936	4.80	33.9	8.8	106	1.01	0.51	171	7.8
1019 ALL TEX ATLAS	922	5.20	31.2	9.8	126	1.06	0.51	195	10.2
1135 PAYMASTER 2326 RR	901	4.85	32.5	9.5	119	1.04	0.50	198	9.2
1196 STV 4892 BR	868	4.40	33.4	9.6	107	1.06	0.51	175	8.2
1215 PM 2266 RR	863	5.25	30.7	10.9	119	1.07	0.51	198	9.1
1213 FM 5013	833	4.65	31.1	9.5	110	1.09	0.53	195	10.3
1152 DPL 458 BG/RR	821	4.15	33.7	8.0	101	1.11	0.50	188	10.0
1212 ALL TEX ATLAS RR	821	5.30	31.8	10.0	114	1.05	0.52	185	9.2
1216 STV 2454 RR	770	4.70	33.5	9.7	101	1.07	0.51	190	8.7
971 STV 474	701	4.20	33.6	8.3	112	1.06	0.51	177	8.3
1128 ACALA 1517-99	654	4.30	31.5	10.4	140	1.19	0.55	223	8.8
1217 TAMCOT LUXOR	628	5.75	32.1	9.3	111	1.07	0.50	177	7.9
. LSD	98	0.53	2.3	1.1	8	0.01	0.02	13	1.3

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1169 FIBERMAX 958	4.45	1.10	81.0	29.5	7.5	68.5	8.6	4.60	2005	20.06	3.50
1214 PM 2167 RR	4.50	1.00	80.5	27.0	8.1	67.0	9.0	4.60	1869	20.56	3.89

1019 ALL TEX ATLAS	4.40	1.05	81.3	31.0	9.0	68.0	9.3	4.65	2127	19.92	3.65
1135 PAYMASTER 2326 RR	4.75	1.05	81.8	30.5	9.0	67.5	9.1	4.80	1920	19.62	3.84
1196 STV 4892 BR	4.55	1.05	82.0	28.5	8.4	68.5	9.1	4.65	1735	18.30	3.59
1215 PM 2266 RR	4.30	1.10	80.9	30.5	9.0	66.5	8.4	4.40	2000	18.99	3.79
1213 FM 5013	4.15	1.00	81.1	30.5	8.9	67.5	8.3	4.35	1870	19.94	3.58
1152 DPL 458 BG/RR	4.50	1.10	81.3	28.5	8.3	71.0	8.3	4.65	1673	17.91	3.38
1212 ALL TEX ATLAS RR	4.50	1.00	80.9	29.5	9.0	67.5	9.1	4.55	1802	20.93	3.49
1216 STV 2454 RR	4.50	1.05	81.3	28.5	8.8	68.5	8.3	4.60	1608	19.81	4.28
971 STV 474	4.80	1.10	81.7	28.0	8.5	67.5	8.9	5.05	1464	18.50	4.05
1128 ACALA 1517-99	4.00	1.20	82.7	34.0	8.9	67.0	8.6	4.10	1463	19.85	3.75
1217 TAMCOT LUXOR	4.35	1.05	81.2	27.5	7.8	68.0	8.5	4.40	1408	18.81	4.08
. LSD	0.38	0.09	1.4	2.0	0.5	1.8	0.6	0.33	222	1.02	0.30

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
	PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1169 FIBERMAX 958	0.45	0.52	0.96	.	.	.	.	.	.	.
1214 PM 2167 RR	0.68	0.37	1.05	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.71	0.53	1.24	415	17.3	1.49	94	45.19	4.24	3.1
1135 PAYMASTER 2326 RR	0.69	0.55	1.23	.	.	.	.	.	.	.
1196 STV 4892 BR	0.86	0.59	1.45	434	30.8	1.78	83	51.47	4.63	2.8
1215 PM 2266 RR	0.66	0.46	1.11	.	.	.	.	.	.	.
1213 FM 5013	0.72	0.56	1.31	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.75	0.59	1.34	420	19.8	1.55	92	46.23	4.26	3.0
1212 ALL TEX ATLAS RR	0.81	0.61	1.41	.	.	.	.	.	.	.
1216 STV 2454 RR	0.68	0.47	1.14	.	.	.	.	.	.	.
971 STV 474	0.90	0.64	1.54	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.66	0.48	1.14	474	25.0	1.66	88	43.92	3.59	2.6
1217 TAMCOT LUXOR	0.55	0.41	0.96	.	.	.	.	.	.	.
. LSD	0.09	0.09	0.16	70.3	13.7	0.28	11	8.78	1.36	0.6

LAMESA, TX (DRY)

VARIETY	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 (%)
1217 TAMCOT LUXOR	245	5.00	30.5	10.5	137	1.10	0.52	216	8.8
1214 PM 2167 RR	232	4.05	33.4	9.4	118	1.01	0.50	201	8.2
1215 PM 2266 RR	231	5.00	30.3	10.5	130	1.11	0.52	213	9.3
1216 STV 2454 RR	227	4.90	32.6	9.6	127	1.09	0.53	213	9.2
1019 ALL TEX ATLAS	210	4.50	30.5	10.0	131	1.07	0.52	219	9.2
1135 PAYMASTER 2326 RR	208	4.45	31.0	9.9	137	1.09	0.53	236	9.0
1128 ACALA 1517-99	204	4.40	28.8	11.2	169	1.21	0.58	276	7.8
1169 FIBERMAX 958	195	4.75	30.0	11.2	153	1.23	0.57	225	7.3
1213 FM 5013	194	4.25	30.3	9.8	135	1.09	0.52	218	8.9
1212 ALL TEX ATLAS RR	186	4.55	30.8	9.6	131	1.07	0.51	207	8.7
971 STV 474	170	4.20	28.7	11.4	133	1.15	0.55	216	9.1
1196 STV 4892 BR	147	4.25	29.4	10.4	133	1.19	0.57	206	8.9
1152 DPL 458 BG/RR	132	4.05	28.1	9.2	139	1.19	0.54	218	8.8
. LSD	48	0.68	1.8	1.2	14	0.01	0.02	18	0.9

VARIETY	MICRO-NAIRE (reading)	SL-HVI 2.5% S.L. (in.)	Starlab UNIFO-MITY (%)	Starlab STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	COLORIMETER HUNTER'S Rd	COLORIMETER HUNTER'S b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
		(Calibrated to USDA SL-HVI Std.)									
1217 TAMCOT LUXOR	4.50	1.10	82.8	33.5	8.7	73.5	6.0	4.50	573	21.32	3.55
1214 PM 2167 RR	4.95	1.00	80.8	32.0	9.2	76.0	9.0	5.05	495	20.65	3.79
1215 PM 2266 RR	4.45	1.10	82.0	33.0	9.1	76.0	8.7	4.60	546	19.69	3.24
1216 STV 2454 RR	4.70	1.10	81.9	32.5	9.0	75.5	8.9	4.80	496	20.28	3.60
1019 ALL TEX ATLAS	4.80	1.05	82.2	33.5	9.2	76.5	8.5	4.70	495	20.65	3.63
1135 PAYMASTER 2326 RR	4.85	1.05	82.5	34.0	9.3	74.5	9.3	4.95	460	20.10	3.28
1128 ACALA 1517-99	4.05	1.20	84.4	38.5	9.1	74.0	8.0	4.05	532	20.83	4.01
1169 FIBERMAX 958	4.70	1.20	83.4	34.0	7.6	78.0	8.6	4.65	492	19.85	3.42
1213 FM 5013	4.75	1.05	82.1	33.0	9.0	76.5	8.4	4.80	472	19.80	3.47
1212 ALL TEX ATLAS RR	4.75	1.00	81.4	32.0	9.0	76.5	9.1	4.80	431	20.68	3.90
971 STV 474	4.70	1.20	84.4	32.0	8.8	74.0	9.9	4.75	443	19.29	3.43
1196 STV 4892 BR	4.50	1.20	83.9	32.5	8.9	75.5	10.0	4.55	375	18.32	3.62
1152 DPL 458 BG/RR	4.35	1.20	83.3	33.5	8.7	78.0	8.9	4.35	361	18.64	3.55
. LSD	0.23	0.07	1.8	2.6	0.5	1.7	1.6	0.28	124	1.89	0.36

VARIETY	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1217 TAMCOT LUXOR	0.74	0.51	1.25	.	.	.	.	.	.	.
1214 PM 2167 RR	0.73	0.37	1.10	.	.	.	.	.	.	.
1215 PM 2266 RR	0.80	0.49	1.28	.	.	.	.	.	.	.
1216 STV 2454 RR	0.74	0.46	1.19	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.74	0.49	1.23	415	20.5	1.57	91	47.28	4.41	3.1
1135 PAYMASTER 2326 RR	0.87	0.58	1.45	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.63	0.40	1.02	473	22.8	1.62	89	42.78	3.50	2.7
1169 FIBERMAX 958	0.64	0.57	1.21	.	.	.	.	.	.	.
1213 FM 5013	0.85	0.56	1.40	.	.	.	.	.	.	.
1212 ALL TEX ATLAS RR	0.73	0.45	1.18	.	.	.	.	.	.	.
971 STV 474	1.01	0.68	1.69	.	.	.	.	.	.	.
1196 STV 4892 BR	0.93	0.65	1.57	446	34.8	1.86	80	52.22	4.53	2.7
1152 DPL 458 BG/RR	0.84	0.59	1.43	455	27.5	1.71	85	47.29	4.03	2.7
. LSD	0.15	0.15	0.30	23.5	6.7	0.14	6	1.70	0.12	0.3

ALTUS, OK (IRR)

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 (%)
1152 DPL 458 BG/RR	1378	4.55	37.8	8.6	117	1.10	0.52	193	9.2
1196 STV 4892 BR	1312	5.10	40.4	10.2	117	1.06	0.53	197	8.0
1169 FIBERMAX 958	1283	5.95	40.0	10.9	146	1.17	0.56	231	7.0
1213 FM 5013	1074	6.00	37.9	11.2	123	1.09	0.54	219	9.0
1128 ACALA 1517-99	1018	5.45	37.7	11.6	150	1.20	0.59	270	7.5
971 STV 474	1002	5.10	39.3	10.6	120	1.11	0.54	200	8.2
1215 PM 2266 RR	950	6.70	36.3	12.4	133	1.13	0.56	231	8.2
1217 TAMCOT LUXOR	913	6.50	38.6	11.2	131	1.13	0.56	222	8.2

1019 ALL TEX ATLAS	911	5.95	36.9	10.9	144	1.10	0.55	238	9.1
1212 ALL TEX ATLAS RR	910	6.30	36.3	11.0	132	1.10	0.53	224	8.2
1135 PAYMASTER 2326 RR	889	5.65	37.1	11.5	128	1.09	0.54	226	8.7
1216 STV 2454 RR	880	5.80	38.1	11.2	127	1.09	0.54	208	8.0
1214 PM 2167 RR	833	5.25	37.4	10.0	129	1.05	0.53	191	7.9
. LSD	111	0.28	1.4	0.6	9	0.02	0.02	22	1.0

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
						COLORIMETER HUNTER'S					
VARIETY	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1152 DPL 458 BG/RR	4.95	1.10	81.8	32.5	9.0	67.0	6.0	5.20	2360	19.98	3.51
1196 STV 4892 BR	5.50	1.00	82.9	31.0	9.0	65.5	7.0	5.65	1983	19.99	3.69
1169 FIBERMAX 958	4.85	1.15	84.7	39.5	8.5	69.0	7.1	4.95	1961	20.90	3.74
1213 FM 5013	5.20	1.05	83.2	37.0	9.3	65.5	7.2	5.30	2010	21.67	3.86
1128 ACALA 1517-99	4.45	1.20	84.3	38.0	8.8	67.5	7.9	4.45	1783	20.44	3.74
971 STV 474	4.90	1.10	83.3	30.5	8.8	66.5	7.7	5.00	1731	20.05	3.71
1215 PM 2266 RR	4.80	1.10	83.5	37.0	9.3	69.5	7.9	5.00	1861	19.63	3.30
1217 TAMCOT LUXOR	4.55	1.10	84.4	32.5	8.3	69.0	7.5	4.55	1761	21.16	3.85
1019 ALL TEX ATLAS	4.60	1.10	83.8	33.5	9.0	71.5	8.0	4.60	1675	20.82	3.54
1212 ALL TEX ATLAS RR	5.10	1.10	82.1	35.0	9.3	66.5	7.9	5.00	1825	21.48	3.72
1135 PAYMASTER 2326 RR	5.05	1.10	83.4	34.5	9.0	67.0	8.0	5.30	1550	19.85	3.57
1216 STV 2454 RR	4.60	1.10	83.2	32.5	9.0	67.5	7.3	4.80	1555	20.07	3.76
1214 PM 2167 RR	4.65	1.00	84.1	33.5	8.8	69.5	7.9	4.85	1446	20.99	3.97
. LSD	0.46	0.06	1.5	4.0	0.6	4.2	1.2	0.41	148	0.68	0.21

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
	PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1152 DPL 458 BG/RR	0.80	0.60	1.40	385	12.8	1.38	98	44.89	4.51	3.4
1196 STV 4892 BR	1.01	0.68	1.68	356	14.0	1.41	97	49.66	5.39	3.7
1169 FIBERMAX 958	0.47	0.52	0.99	.	.	.	.	.	.	.
1213 FM 5013	0.81	0.59	1.39	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.72	0.51	1.23	443	19.8	1.55	92	43.93	3.87	2.9
971 STV 474	1.02	0.68	1.70	.	.	.	.	.	.	.
1215 PM 2266 RR	0.78	0.54	1.32	.	.	.	.	.	.	.

1217 TAMCOT LUXOR	0.67	0.49	1.16	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.79	0.57	1.35	445	27.0	1.70	86	48.08	4.18	2.8
1212 ALL TEX ATLAS RR	0.82	0.63	1.44	.	.	.	.	.	.	.
1135 PAYMASTER 2326 RR	0.80	0.61	1.41	.	.	.	.	.	.	.
1216 STV 2454 RR	0.67	0.46	1.13	.	.	.	.	.	.	.
1214 PM 2167 RR	0.77	0.39	1.16	.	.	.	.	.	.	.
. LSD	0.06	0.06	0.09	73.2	7.6	0.18	7	6.75	1.18	0.6

CHICKASHA, OK (DRY)

VARIETY	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 (%)
1213 FM 5013	478	4.65	38.4	9.8	.	.	.	.	.
1196 STV 4892 BR	465	4.65	45.4	9.4	.	.	.	.	.
1217 TAMCOT LUXOR	438	5.30	40.8	10.0	.	.	.	.	.
1135 PAYMASTER 2326 RR	417	4.60	36.4	9.7	.	.	.	.	.
1019 ALL TEX ATLAS	416	4.95	37.5	10.3	.	.	.	.	.
971 STV 474	399	4.05	44.7	8.8	.	.	.	.	.
1152 DPL 458 BG/RR	385	4.25	41.5	8.8	.	.	.	.	.
1212 ALL TEX ATLAS RR	383	4.70	38.1	9.8	.	.	.	.	.
1128 ACALA 1517-99	367	4.70	40.2	10.4	.	.	.	.	.
1215 PM 2266 RR	360	4.95	36.7	10.9	.	.	.	.	.
1214 PM 2167 RR	340	4.40	39.5	9.6	.	.	.	.	.
1169 FIBERMAX 958	327	4.75	42.8	9.4	.	.	.	.	.
1216 STV 2454 RR	320	4.95	38.4	9.9	.	.	.	.	.
. LSD	86	0.41	1.7	0.9	.	.	.	.	.

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

1213 FM 5013	.	.	.	.	.	.	.	.	730	.	.
1196 STV 4892 BR	.	.	.	.	.	.	.	.	561	.	.
1217 TAMCOT LUXOR	.	.	.	.	.	.	.	.	566	.	.
1135 PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	723	.	.
1019 ALL TEX ATLAS	.	.	.	.	.	.	.	.	711	.	.
971 STV 474	.	.	.	.	.	.	.	.	468	.	.
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	544	.	.
1212 ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	660	.	.
1128 ACALA 1517-99	.	.	.	.	.	.	.	.	519	.	.
1215 PM 2266 RR	.	.	.	.	.	.	.	.	564	.	.
1214 PM 2167 RR	.	.	.	.	.	.	.	.	563	.	.
1169 FIBERMAX 958	.	.	.	.	.	.	.	.	500	.	.
1216 STV 2454 RR	.	.	.	.	.	.	.	.	556	.	.
. LSD	.	.	.	.	.	.	.	.	216	.	.

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1213 FM 5013	.	.	.	.	.	.	.	.	.	.
1196 STV 4892 BR	.	.	.	.	.	.	.	.	.	.
1217 TAMCOT LUXOR	.	.	.	.	.	.	.	.	.	.
1135 PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	.	.	.	.	.	.	.	.	.	.
971 STV 474	.	.	.	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.
1212 ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	.	.
1128 ACALA 1517-99	.	.	.	.	.	.	.	.	.	.
1215 PM 2266 RR	.	.	.	.	.	.	.	.	.	.
1214 PM 2167 RR	.	.	.	.	.	.	.	.	.	.
1169 FIBERMAX 958	.	.	.	.	.	.	.	.	.	.
1216 STV 2454 RR	.	.	.	.	.	.	.	.	.	.
. LSD	.	.	.	.	.	.	.	.	.	.

CHICKASHA, OK (IRR)

VARIETY	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 (%)
1152 DPL 458 BG/RR	1335	5.15	40.6	9.8	.	.	.	.	.
1196 STV 4892 BR	1321	5.60	44.5	10.4	.	.	.	.	.
971 STV 474	1283	5.40	44.3	10.3	.	.	.	.	.
1169 FIBERMAX 958	1202	5.90	43.6	10.7	.	.	.	.	.
1217 TAMCOT LUXOR	1165	6.75	41.9	10.8	.	.	.	.	.
1214 PM 2167 RR	1143	5.55	40.4	10.1	.	.	.	.	.
1135 PAYMASTER 2326 RR	1117	5.75	39.7	10.6	.	.	.	.	.
1213 FM 5013	1033	5.60	39.9	10.1	.	.	.	.	.
1215 PM 2266 RR	1007	6.25	38.9	11.7	.	.	.	.	.
1216 STV 2454 RR	935	6.00	40.7	10.8	.	.	.	.	.
1128 ACALA 1517-99	905	5.45	40.0	11.2	.	.	.	.	.
1212 ALL TEX ATLAS RR	891	6.50	39.5	11.0	.	.	.	.	.
1019 ALL TEX ATLAS	741	6.35	39.1	11.4	.	.	.	.	.
. LSD	179	0.72	1.6	0.6	.	.	.	.	.

VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	2142	.	.
1196 STV 4892 BR	.	.	.	.	.	.	.	.	1691	.	.
971 STV 474	.	.	.	.	.	.	.	.	1740	.	.
1169 FIBERMAX 958	.	.	.	.	.	.	.	.	1739	.	.
1217 TAMCOT LUXOR	.	.	.	.	.	.	.	.	1749	.	.
1214 PM 2167 RR	.	.	.	.	.	.	.	.	1849	.	.
1135 PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	1883	.	.
1213 FM 5013	.	.	.	.	.	.	.	.	1571	.	.
1215 PM 2266 RR	.	.	.	.	.	.	.	.	1867	.	.
1216 STV 2454 RR	.	.	.	.	.	.	.	.	1453	.	.
1128 ACALA 1517-99	.	.	.	.	.	.	.	.	1676	.	.
1212 ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	1555	.	.
1019 ALL TEX ATLAS	.	.	.	.	.	.	.	.	1050	.	.

.	LSD	.	.	.	.	.	.	.	.	369	. .

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1152	DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.
1196	STV 4892 BR	.	.	.	.	.	.	.	.	.	.
971	STV 474	.	.	.	.	.	.	.	.	.	.
1169	FIBERMAX 958	.	.	.	.	.	.	.	.	.	.
1217	TAMCOT LUXOR	.	.	.	.	.	.	.	.	.	.
1214	PM 2167 RR	.	.	.	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	.	.
1213	FM 5013	.	.	.	.	.	.	.	.	.	.
1215	PM 2266 RR	.	.	.	.	.	.	.	.	.	.
1216	STV 2454 RR	.	.	.	.	.	.	.	.	.	.
1128	ACALA 1517-99	.	.	.	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

CHILLICOTHE, TX (DRY)

		LINT	BOLL			YARN	DIGITAL FIBROGRAPH		STELOMETER	
		YIELD	SIZE	LINT	SEED	TENACITY	2.5% S.L.	50% S.L.	T1	E1
VARIETY		(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1169	FIBERMAX 958	1395	.	.	.	.	.	.	.	.
1213	FM 5013	1228	.	.	.	.	.	.	.	.
1215	PM 2266 RR	1214	.	.	.	.	.	.	.	.
1214	PM 2167 RR	1204	.	.	.	.	.	.	.	.
1135	PAYMASTER 2326 RR	1171	.	.	.	.	.	.	.	.
1196	STV 4892 BR	1092	.	.	.	.	.	.	.	.
1212	ALL TEX ATLAS RR	1070	.	.	.	.	.	.	.	.

1152 DPL 458 BG/RR	1035	.	.	.	.	.	.	.	.
971 STV 474	984	.	.	.	.	.	.	.	.
1217 TAMCOT LUXOR	970	.	.	.	.	.	.	.	.
1216 STV 2454 RR	970	.	.	.	.	.	.	.	.
1128 ACALA 1517-99	942	.	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	840	.	.	.	.	.	.	.	.
. LSD	108	.	.	.	.	.	.	.	.

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
	MICRO-	2.5%	UNIFO-	STRE-		COLORIMETER		MICRO-	SEED		NITR
	NAIRE	S.L.	MITY	NGTH		HUNTER'S		NAIRE	YIELD	OIL	OGEN
VARIETY	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1169 FIBERMAX 958	.	.	.	.	.	.	.	.	.	.	.
1213 FM 5013	.	.	.	.	.	.	.	.	.	.	.
1215 PM 2266 RR	.	.	.	.	.	.	.	.	.	.	.
1214 PM 2167 RR	.	.	.	.	.	.	.	.	.	.	.
1135 PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	.	.	.
1196 STV 4892 BR	.	.	.	.	.	.	.	.	.	.	.
1212 ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.	.
971 STV 474	.	.	.	.	.	.	.	.	.	.	.
1217 TAMCOT LUXOR	.	.	.	.	.	.	.	.	.	.	.
1216 STV 2454 RR	.	.	.	.	.	.	.	.	.	.	.
1128 ACALA 1517-99	.	.	.	.	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	.	.	.	.	.	.	.	.	.	.	.
. LSD	.	.	.	.	.	.	.	.	.	.	.

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------					
	PLUS	MINUS	TOTAL	A	D	M	p	w	t
VARIETY	(+)	(-)	(%)	---(mm2/mm3)---	I	(%)	(microns)	(mg/in)	(microns)
1169 FIBERMAX 958	.	.	.	.	.	.	.	.	.
1213 FM 5013	.	.	.	.	.	.	.	.	.
1215 PM 2266 RR	.	.	.	.	.	.	.	.	.
1214 PM 2167 RR	.	.	.	.	.	.	.	.	.
1135 PAYMASTER 2326 RR	.	.	.	.	.	.	.	.	.
1196 STV 4892 BR	.	.	.	.	.	.	.	.	.

1212	ALL TEX ATLAS RR	.	.	.	.	.	.	.	.	.	.
1152	DPL 458 BG/RR	.	.	.	.	.	.	.	.	.	.
971	STV 474	.	.	.	.	.	.	.	.	.	.
1217	TAMCOT LUXOR	.	.	.	.	.	.	.	.	.	.
1216	STV 2454 RR	.	.	.	.	.	.	.	.	.	.
1128	ACALA 1517-99	.	.	.	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

TIPTON, OK

VARIETY	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 (%)
1213 FM 5013	449	4.55	36.2	9.1	122	1.01	0.50	210	6.9
1215 PM 2266 RR	440	5.15	36.5	9.9	125	1.01	0.51	230	8.2
1217 TAMCOT LUXOR	436	5.35	38.1	9.5	123	1.01	0.49	205	7.3
1135 PAYMASTER 2326 RR	416	5.00	36.6	9.7	128	1.03	0.51	226	7.8
1214 PM 2167 RR	392	4.75	35.6	8.7	119	1.01	0.52	195	6.8
1212 ALL TEX ATLAS RR	390	4.90	34.9	9.8	128	1.02	0.50	209	6.5
1216 STV 2454 RR	385	4.55	36.4	9.2	130	1.03	0.52	205	7.9
1019 ALL TEX ATLAS	359	5.20	35.9	9.8	129	1.04	0.50	240	7.8
1169 FIBERMAX 958	337	4.50	36.9	9.2	146	1.09	0.53	245	5.7
1152 DPL 458 BG/RR	329	3.85	36.8	8.0	109	1.05	0.50	222	7.7
1196 STV 4892 BR	315	4.25	37.2	8.9	127	1.06	0.50	207	6.7
971 STV 474	290	4.05	37.3	8.4	122	1.10	0.53	200	6.3
1128 ACALA 1517-99	274	4.40	37.7	9.5	156	1.15	0.55	268	7.6
. LSD	26	0.44	1.9	0.7	10	0.03	0.02	22	0.9

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

VARIETY	(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1213 FM 5013	3.70	1.00	82.4	31.5	7.7	67.5	9.6	3.90	761	17.52	3.92
1215 PM 2266 RR	3.70	1.00	81.7	33.5	8.0	68.0	9.3	3.85	752	16.60	3.89
1217 TAMCOT LUXOR	3.60	0.95	82.0	28.5	7.4	65.0	8.9	3.65	709	16.19	3.97
1135 PAYMASTER 2326 RR	3.80	1.00	82.7	34.0	8.6	65.5	9.3	4.05	671	17.31	4.20
1214 PM 2167 RR	3.95	0.95	82.4	32.5	7.6	69.0	9.8	3.95	697	17.47	4.38
1212 ALL TEX ATLAS RR	3.75	1.00	81.8	31.0	7.5	69.0	9.9	3.65	682	17.82	4.03
1216 STV 2454 RR	3.75	1.00	81.5	30.0	7.7	69.5	9.7	3.80	660	16.22	4.18
1019 ALL TEX ATLAS	3.75	1.00	82.8	35.0	8.1	67.5	9.3	3.85	651	17.89	3.93
1169 FIBERMAX 958	3.30	1.10	82.6	34.0	7.0	68.5	9.5	3.25	564	15.57	3.86
1152 DPL 458 BG/RR	3.65	1.05	80.3	29.0	7.3	69.0	9.7	3.80	537	15.04	3.87
1196 STV 4892 BR	3.50	1.05	81.5	27.0	6.7	66.0	10.0	3.40	531	14.38	4.03
971 STV 474	3.85	1.05	80.7	29.0	7.5	64.0	10.0	3.95	484	16.34	4.10
1128 ACALA 1517-99	3.45	1.10	82.3	37.5	7.8	69.0	9.4	3.45	462	16.97	3.92
. LSD	0.20	0.10	1.3	4.6	0.8	2.6	0.5	0.22	87	0.71	0.19

	---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
	PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY	(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1213 FM 5013	0.49	0.30	0.78	.	.	.	.	.	.	.
1215 PM 2266 RR	0.38	0.22	0.60	.	.	.	.	.	.	.
1217 TAMCOT LUXOR	0.36	0.20	0.55	.	.	.	.	.	.	.
1135 PAYMASTER 2326 RR	0.49	0.31	0.79	.	.	.	.	.	.	.
1214 PM 2167 RR	0.43	0.18	0.60	.	.	.	.	.	.	.
1212 ALL TEX ATLAS RR	0.52	0.30	0.82	.	.	.	.	.	.	.
1216 STV 2454 RR	0.41	0.22	0.62	.	.	.	.	.	.	.
1019 ALL TEX ATLAS	0.51	0.30	0.81	506	38.5	1.93	77	47.85	3.67	2.4
1169 FIBERMAX 958	0.32	0.24	0.56	.	.	.	.	.	.	.
1152 DPL 458 BG/RR	0.46	0.25	0.71	525	41.3	1.97	75	47.30	3.50	2.3
1196 STV 4892 BR	0.58	0.28	0.86	565	50.5	2.13	69	47.43	3.25	2.1
971 STV 474	0.62	0.29	0.91	.	.	.	.	.	.	.
1128 ACALA 1517-99	0.41	0.23	0.63	563	37.0	1.89	79	42.14	2.89	2.1
. LSD	0.04	0.04	0.06	80.0	19.4	0.36	14	4.44	0.61	0.3

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2002 National Cotton Variety Test

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 WESTERN REGIONAL COTTON VARIETY TEST

WESTERN
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 (%)
1196	STV 4892 BR	1243	4.75	34.4	9.6	115	1.08	0.50	193	7.3
1152	DPL 458 BG/RR	1191	3.90	34.0	7.8	113	1.10	0.50	197	7.7
1129	LSD	1124	4.45	32.2	9.5	135	1.19	0.55	215	7.5
1166	PHYTOGEN 72	993	4.35	33.6	9.7	149	1.16	0.56	245	8.0
1197	NM 970123	862	4.80	32.0	10.4	158	1.19	0.57	264	6.5
1163	SUREGROW 105	859	.	25.2	.	.	.	.	.	.
1128	ACALA 1517-99	806	4.75	30.3	10.4	149	1.19	0.56	248	7.5
874	ACALA 1517-95	769	4.75	29.2	10.2	145	1.13	0.54	241	6.3
1167	NM 970513	742	4.80	28.5	10.4	159	1.19	0.56	260	6.0

1103 FIBERMAX 989	709	4.75	32.3	9.6	141	1.15	0.55	222	6.7
1019 ALL TEX ATLAS	707	4.65	29.9	10.2	128	1.09	0.52	207	7.7

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
						COLORIMETER						
								HUNTER'S				
VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	5.40	1.10	82.5	30.5	8.5	68.0	8.3	5.55	2464	20.72	3.18
1152	DPL 458 BG/RR	5.10	1.10	81.4	30.0	7.8	71.0	6.9	5.15	2346	18.77	2.94
1129	LSD	4.30	1.20	82.8	32.0	7.8	70.0	7.7	4.45	2465	21.10	2.98
1166	PHYTOGEN 72	4.60	1.20	83.0	36.0	8.9	68.5	7.9	4.85	2086	22.16	3.17
1197	NM 970123	4.60	1.20	84.3	37.5	8.6	71.0	6.9	4.80	1912	17.67	3.36
1163	SUREGROW 105	.	.	.	.	.	.	.	.	2550	.	.
1128	ACALA 1517-99	4.30	1.20	83.3	35.5	8.2	67.0	6.0	4.35	1886	21.84	2.97
874	ACALA 1517-95	4.80	1.15	82.8	36.0	8.0	67.0	7.2	4.85	1967	22.37	3.10
1167	NM 970513	4.55	1.20	83.9	40.0	8.0	70.5	7.2	4.75	1886	22.38	3.22
1103	FIBERMAX 989	4.55	1.20	83.3	32.0	7.6	70.0	8.2	4.60	1526	22.28	3.17
1019	ALL TEX ATLAS	5.00	1.10	81.5	31.5	7.9	71.0	8.0	5.10	1718	22.17	3.02

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1196	STV 4892 BR	1.14	0.77	1.91	359	17.5	1.50	93	52.20	5.63	3.6
1152	DPL 458 BG/RR	0.92	0.70	1.62	385	15.8	1.45	96	47.32	4.76	3.4
1129	LSD	0.91	0.62	1.53	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.79	0.58	1.37	.	.	.	.	.	.	.
1197	NM 970123	0.70	0.42	1.12	.	.	.	.	.	.	.
1163	SUREGROW 105	.	.	.	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.90	0.61	1.50	444	20.0	1.56	92	43.88	3.82	2.9
874	ACALA 1517-95	0.82	0.60	1.41	.	.	.	.	.	.	.
1167	NM 970513	0.83	0.59	1.42	.	.	.	.	.	.	.
1103	FIBERMAX 989	0.86	0.66	1.51	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.93	0.67	1.61	381	16.8	1.48	94	48.69	4.95	3.4

REGION=WESTERN

INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
FIBERMAX 989	5.47
NM 970513	5.47
NM 970123	5.41
ALL TEX ATLAS	5.40
ACALA 1517-95	5.33
ACALA W 1218	5.19
ACALA 1517-99	5.19
STV 4892 BR	5.10
PHYTOGEN 72	4.98
DPL 458 BG/RR	4.47
SUREGROW 105	.
LSD	0.42

REGION=WESTERN

LINT PERCENT	
STV 4892 BR	38.2
PHYTOGEN 72	37.4
DPL 458 BG/RR	36.9
FIBERMAX 989	36.3
ACALA W 1218	35.3
ACALA 1517-99	34.4
NM 970513	34.4
NM 970123	34.2
ALL TEX ATLAS	34.1
ACALA 1517-95	33.3
SUREGROW 105	25.2
LSD	3.1

REGION=WESTERN

SEED INDEX	
NM 970513	11.5
ACALA 1517-95	11.2
ACALA 1517-99	11.0
NM 970123	10.9
ALL TEX ATLAS	10.8
ACALA W 1218	10.4
STV 4892 BR	10.1
FIBERMAX 989	10.1
PHYTOGEN 72	10.1
DPL 458 BG/RR	8.6
SUREGROW 105	.
LSD	0.7

2.5% S.L. (INCHES)	
ACALA 1517-99	1.23
NM 970123	1.23
NM 970513	1.20
ACALA W 1218	1.20
FIBERMAX 989	1.20
PHYTOGEN 72	1.20
ACALA 1517-95	1.18
DPL 458 BG/RR	1.15
ALL TEX ATLAS	1.10
STV 4892 BR	1.10

UR (PERCENT)	
NM 970123	85.1
NM 970513	84.3
ACALA 1517-99	84.2
PHYTOGEN 72	84.0
ACALA 1517-95	84.0
FIBERMAX 989	83.6
ACALA W 1218	83.0
STV 4892 BR	83.0
DPL 458 BG/RR	82.7
ALL TEX ATLAS	82.5

STRENGTH (G/TEX)	
NM 970513	38.8
NM 970123	36.8
ACALA 1517-95	35.3
ACALA 1517-99	34.8
PHYTOGEN 72	34.3
FIBERMAX 989	33.0
ACALA W 1218	32.8
ALL TEX ATLAS	31.3
STV 4892 BR	30.5
DPL 458 BG/RR	30.3

SUREGROW 105	.
LSD	0.06

SUREGROW 105	.
LSD	1.2

SUREGROW 105	.
LSD	2.8

E	
PHYTOGEN 72	9.0
STV 4892 BR	8.8
NM 970123	8.7
DPL 458 BG/RR	8.6
ALL TEX ATLAS	8.5
ACALA 1517-99	8.4
ACALA 1517-95	8.4
ACALA W 1218	8.3
NM 970513	8.3
FIBERMAX 989	8.0
SUREGROW 105	.
LSD	0.7

MICRONAIRE (SL-HVI)	
STV 4892 BR	5.13
DPL 458 BG/RR	4.98
ALL TEX ATLAS	4.98
PHYTOGEN 72	4.83
ACALA 1517-95	4.78
NM 970123	4.75
NM 970513	4.65
ACALA W 1218	4.53
FIBERMAX 989	4.53
ACALA 1517-99	4.40
SUREGROW 105	.
LSD	0.44

COLORIMETER - Rd	
NM 970123	75.3
DPL 458 BG/RR	73.8
ALL TEX ATLAS	73.5
NM 970513	73.3
FIBERMAX 989	73.0
ACALA W 1218	72.3
STV 4892 BR	71.5
PHYTOGEN 72	71.5
ACALA 1517-95	71.5
ACALA 1517-99	71.3
SUREGROW 105	.
LSD	2.6

COLORIMETER - b	
STV 4892 BR	8.4
FIBERMAX 989	8.2
PHYTOGEN 72	8.1
ACALA W 1218	8.0
ALL TEX ATLAS	7.9
NM 970513	7.7
NM 970123	7.6
ACALA 1517-95	7.6
DPL 458 BG/RR	7.0
ACALA 1517-99	6.9
SUREGROW 105	.
LSD	1.0

MICRONAIRE	
STV 4892 BR	5.05
DPL 458 BG/RR	4.85
ALL TEX ATLAS	4.78
ACALA 1517-95	4.68
NM 970123	4.68
PHYTOGEN 72	4.63
NM 970513	4.55
FIBERMAX 989	4.53
ACALA W 1218	4.38
ACALA 1517-99	4.35
SUREGROW 105	.
LSD	0.49

STELOMETER - E1	
DPL 458 BG/RR	8.5
ALL TEX ATLAS	8.3
PHYTOGEN 72	8.2
STV 4892 BR	8.0
ACALA W 1218	7.8
ACALA 1517-99	7.5
ACALA 1517-95	6.7
FIBERMAX 989	6.5
NM 970123	6.3
NM 970513	6.0
SUREGROW 105	.
LSD	1.2

STELOMETER - T1	
NM 970123	256
NM 970513	252
ACALA 1517-99	241
PHYTOGEN 72	239
ACALA 1517-95	232
FIBERMAX 989	229
ACALA W 1218	222
ALL TEX ATLAS	210
DPL 458 BG/RR	205
STV 4892 BR	192
SUREGROW 105	.
LSD	21

FIBROGRAPH--50% S.L.	
NM 970123	0.58
PHYTOGEN 72	0.57
NM 970513	0.57
ACALA 1517-99	0.57
ACALA W 1218	0.56
ACALA 1517-95	0.56
FIBERMAX 989	0.55
ALL TEX ATLAS	0.54
DPL 458 BG/RR	0.52
STV 4892 BR	0.52
SUREGROW 105	.
LSD	0.02

FIBROGRAPH--2.5% S.L.	
NM 970123	1.22
NM 970513	1.21
ACALA 1517-99	1.21
ACALA W 1218	1.20
PHYTOGEN 72	1.20
FIBERMAX 989	1.17
ACALA 1517-95	1.17
DPL 458 BG/RR	1.14
STV 4892 BR	1.11
ALL TEX ATLAS	1.10
SUREGROW 105	.
LSD	0.04

YARN TENACITY	
NM 970513	163
NM 970123	159
ACALA 1517-99	151
ACALA 1517-95	150
PHYTOGEN 72	148
FIBERMAX 989	148
ACALA W 1218	143
ALL TEX ATLAS	130
DPL 458 BG/RR	122
STV 4892 BR	121
SUREGROW 105	.
LSD	11

AREALOMETER - A (mm2/mm3)	
ACALA 1517-99	445
DPL 458 BG/RR	400
ALL TEX ATLAS	395
STV 4892 BR	389
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	52.9

AREALOMETER - D (mm2/mm3)	
STV 4892 BR	21.4
ACALA 1517-99	20.8
DPL 458 BG/RR	19.6
ALL TEX ATLAS	19.1
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	6.7

AREALOMETER - I	
STV 4892 BR	1.58
ACALA 1517-99	1.57
DPL 458 BG/RR	1.54

AREALOMETER - M (PERCENT)	
ALL TEX ATLAS	92
DPL 458 BG/RR	92
ACALA 1517-99	91

AREALOMETER - p (Microns)	
STV 4892 BR	51.09
ALL TEX ATLAS	48.67
DPL 458 BG/RR	48.29

ALL TEX ATLAS	1.53
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	0.15

STV 4892 BR	90
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	6

ACALA 1517-99	44.26
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	3.42

AREALOMETER - w (MG/INCH)	
STV 4892 BR	5.13
ALL TEX ATLAS	4.78
DPL 458 BG/RR	4.67
ACALA 1517-99	3.85
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	1.02

AREALOMETER - t (MICRONS)	
STV 4892 BR	3.3
ALL TEX ATLAS	3.2
DPL 458 BG/RR	3.2
ACALA 1517-99	2.8
NM 970513	.
NM 970123	.
ACALA 1517-95	.
PHYTOGEN 72	.
FIBERMAX 989	.
ACALA W 1218	.
SUREGROW 105	.
LSD	0.5

SEED YIELD (LB/ACRE)	
SUREGROW 105	2550
STV 4892 BR	2402
DPL 458 BG/RR	2384
ACALA W 1218	2360
NM 970123	2196
PHYTOGEN 72	2034
ACALA 1517-95	2015
ACALA 1517-99	1999
NM 970513	1746
ALL TEX ATLAS	1744
FIBERMAX 989	1569
LSD	375

OIL (PERCENT)	
NM 970513	22.14
ALL TEX ATLAS	22.08
PHYTOGEN 72	21.77
ACALA 1517-99	21.69
ACALA 1517-95	21.60
FIBERMAX 989	21.51
ACALA W 1218	21.08
STV 4892 BR	19.65

NITROGEN (PERCENT)	
NM 970123	3.59
FIBERMAX 989	3.48
NM 970513	3.40
PHYTOGEN 72	3.39
STV 4892 BR	3.38
ACALA 1517-95	3.36
ACALA 1517-99	3.34
ALL TEX ATLAS	3.28

PLUS GOSSYPOL	
STV 4892 BR	1.05
ALL TEX ATLAS	0.87
ACALA W 1218	0.86
DPL 458 BG/RR	0.85
ACALA 1517-99	0.84
NM 970513	0.78
PHYTOGEN 72	0.74
ACALA 1517-95	0.74

DPL 458 BG/RR	18.26	DPL 458 BG/RR	3.18	FIBERMAX 989	0.72
NM 970123	17.43	ACALA W 1218	3.18	NM 970123	0.68
SUREGROW 105	.	SUREGROW 105	.	SUREGROW 105	.
LSD	1.11	LSD	0.18	LSD	0.10

MINUS GOSSYPOL		TOTAL GOSSYPOL (PERCENT)	
STV 4892 BR	0.73	STV 4892 BR	1.78
DPL 458 BG/RR	0.68	DPL 458 BG/RR	1.53
ALL TEX ATLAS	0.66	ALL TEX ATLAS	1.53
ACALA W 1218	0.61	ACALA W 1218	1.46
ACALA 1517-99	0.59	ACALA 1517-99	1.43
FIBERMAX 989	0.58	NM 970513	1.35
PHYTOGEN 72	0.58	PHYTOGEN 72	1.31
NM 970513	0.57	FIBERMAX 989	1.30
ACALA 1517-95	0.55	ACALA 1517-95	1.29
NM 970123	0.42	NM 970123	1.10
SUREGROW 105	.	SUREGROW 105	.
LSD	0.08	LSD	0.16

52 REGION=WESTERN
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
ARTESIA, NM	1334	5.81	39.3	11.2	148	1.20	0.57	227	7.6
PECOS, TX (IRR)	910	4.59	31.0	9.8	139	1.15	0.54	229	7.1

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

LOCATION	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
ARTESIA, NM	4.57	1.19	84.4	33.4	8.8	76.0	8.1	4.66	2064	20.30	3.61
PECOS, TX (IRR)	4.72	1.17	82.9	34.1	8.1	69.4	7.4	4.85	2073	21.14	3.11

LOCATION	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
ARTESIA, NM	0.74	0.57	1.32	422	22.9	1.62	89	48.13	4.43	3.0
PECOS, TX (IRR)	0.88	0.62	1.50	392	17.5	1.49	94	48.02	4.79	3.3

PECOS, TX (IRR)

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 (%)
1196	STV 4892 BR	1243	4.75	34.4	9.6	115	1.08	0.50	193	7.3
1152	DPL 458 BG/RR	1191	3.90	34.0	7.8	113	1.10	0.50	197	7.7
1129	ACALA W 1218	1124	4.45	32.2	9.5	135	1.19	0.55	215	7.5
1166	PHYTOGEN 72	993	4.35	33.6	9.7	149	1.16	0.56	245	8.0
1197	NM 970123	862	4.80	32.0	10.4	158	1.19	0.57	264	6.5
1163	SUREGROW 105	859	.	25.2	.	.	.	.	.	.
1128	ACALA 1517-99	806	4.75	30.3	10.4	149	1.19	0.56	248	7.5
874	ACALA 1517-95	769	4.75	29.2	10.2	145	1.13	0.54	241	6.3

1167	NM 970513	742	4.80	28.5	10.4	159	1.19	0.56	260	6.0
1103	FIBERMAX 989	709	4.75	32.3	9.6	141	1.15	0.55	222	6.7
1019	ALL TEX ATLAS	707	4.65	29.9	10.2	128	1.09	0.52	207	7.7
.	LSD	167	0.47	3.1	0.9	6	0.01	0.03	16	1.1

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1196	STV 4892 BR	5.40	1.10	82.5	30.5	8.5	68.0	8.3	5.55	2464	20.72	3.18
1152	DPL 458 BG/RR	5.10	1.10	81.4	30.0	7.8	71.0	6.9	5.15	2346	18.77	2.94
1129	ACALA W 1218	4.30	1.20	82.8	32.0	7.8	70.0	7.7	4.45	2465	21.10	2.98
1166	PHYTOGEN 72	4.60	1.20	83.0	36.0	8.9	68.5	7.9	4.85	2086	22.16	3.17
1197	NM 970123	4.60	1.20	84.3	37.5	8.6	71.0	6.9	4.80	1912	17.67	3.36
1163	SUREGROW 105	.	.	.	.	.	.	.	.	2550	.	.
1128	ACALA 1517-99	4.30	1.20	83.3	35.5	8.2	67.0	6.0	4.35	1886	21.84	2.97
874	ACALA 1517-95	4.80	1.15	82.8	36.0	8.0	67.0	7.2	4.85	1967	22.37	3.10
1167	NM 970513	4.55	1.20	83.9	40.0	8.0	70.5	7.2	4.75	1886	22.38	3.22
1103	FIBERMAX 989	4.55	1.20	83.3	32.0	7.6	70.0	8.2	4.60	1526	22.28	3.17
1019	ALL TEX ATLAS	5.00	1.10	81.5	31.5	7.9	71.0	8.0	5.10	1718	22.17	3.02
.	LSD	0.28	0.05	0.9	2.5	0.4	2.4	1.9	0.20	465	1.26	0.17

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1196	STV 4892 BR	1.14	0.77	1.91	359	17.5	1.50	93	52.20	5.63	3.6
1152	DPL 458 BG/RR	0.92	0.70	1.62	385	15.8	1.45	96	47.32	4.76	3.4
1129	ACALA W 1218	0.91	0.62	1.53	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.79	0.58	1.37	.	.	.	.	.	.	.
1197	NM 970123	0.70	0.42	1.12	.	.	.	.	.	.	.
1163	SUREGROW 105	.	.	.	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.90	0.61	1.50	444	20.0	1.56	92	43.88	3.82	2.9
874	ACALA 1517-95	0.82	0.60	1.41	.	.	.	.	.	.	.
1167	NM 970513	0.83	0.59	1.42	.	.	.	.	.	.	.
1103	FIBERMAX 989	0.86	0.66	1.51	.	.	.	.	.	.	.

1019	ALL TEX ATLAS	0.93	0.67	1.61	381	16.8	1.48	94	48.69	4.95	3.4
.	LSD	0.07	0.07	0.13	20.3	11.7	0.29	10	7.90	0.76	0.4

ARTESIA, NM

	VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/TEX)	DIGITAL FIBROGRAPH 2.5% S.L. (inches)	DIGITAL FIBROGRAPH 50% S.L. (inches)	STELOMETER T1 (mN/tex)	STELOMETER E1 (%)
1196	STV 4892 BR	1704	5.45	42.1	10.7	127	1.13	0.55	191	8.7
1152	DPL 458 BG/RR	1596	5.04	39.7	9.5	132	1.19	0.55	213	9.3
1197	NM 970123	1420	6.01	36.4	11.4	161	1.24	0.59	249	6.1
1129	ACALA W 1218	1412	5.93	38.5	11.2	151	1.21	0.57	229	8.1
1166	PHYTOGEN 72	1383	5.62	41.1	10.5	148	1.23	0.59	233	8.3
1128	ACALA 1517-99	1325	5.63	38.5	11.7	152	1.23	0.58	235	7.4
874	ACALA 1517-95	1231	5.92	37.4	12.1	155	1.20	0.57	224	7.2
1019	ALL TEX ATLAS	1099	6.15	38.3	11.5	132	1.12	0.56	213	9.0
1103	FIBERMAX 989	1086	6.19	40.3	10.6	155	1.19	0.56	235	6.4
1167	NM 970513	1081	6.14	40.3	12.7	167	1.23	0.58	245	5.9
.	LSD	146	0.37	0.8	0.7	8	0.04	0.02	22	1.6

	VARIETY	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1196	STV 4892 BR	4.70	1.10	83.5	30.5	9.0	75.0	8.6	4.70	2339	18.59	3.59
1152	DPL 458 BG/RR	4.60	1.20	84.0	30.5	9.3	76.5	7.1	4.80	2423	17.74	3.43
1197	NM 970123	4.75	1.25	85.9	36.0	8.7	79.5	8.4	4.70	2480	17.19	3.83
1129	ACALA W 1218	4.45	1.20	83.2	33.5	8.9	74.5	8.3	4.60	2255	21.06	3.39
1166	PHYTOGEN 72	4.65	1.20	85.0	32.5	9.1	74.5	8.4	4.80	1983	21.38	3.62
1128	ACALA 1517-99	4.40	1.25	85.1	34.0	8.7	75.5	7.9	4.45	2112	21.55	3.70

874	ACALA 1517-95	4.55	1.20	85.1	34.5	8.8	76.0	8.0	4.70	2063	20.84	3.63
1019	ALL TEX ATLAS	4.55	1.10	83.6	31.0	9.1	76.0	7.8	4.85	1769	21.99	3.55
1103	FIBERMAX 989	4.50	1.20	83.8	34.0	8.3	76.0	8.3	4.45	1612	20.75	3.80
1167	NM 970513	4.55	1.20	84.7	37.5	8.6	76.0	8.2	4.55	1605	21.91	3.59
.	LSD	0.45	0.07	1.6	2.6	0.7	2.1	1.3	0.39	212	1.76	0.28

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1196	STV 4892 BR	0.95	0.70	1.65	419	25.3	1.67	87	49.98	4.63	3.0
1152	DPL 458 BG/RR	0.79	0.66	1.44	415	23.5	1.63	88	49.26	4.59	3.0
1197	NM 970123	0.65	0.43	1.08	.	.	.	.	.	.	.
1129	ACALA W 1218	0.81	0.60	1.40	.	.	.	.	.	.	.
1166	PHYTOGEN 72	0.69	0.57	1.25	.	.	.	.	.	.	.
1128	ACALA 1517-99	0.79	0.58	1.36	446	21.5	1.59	90	44.64	3.88	2.8
874	ACALA 1517-95	0.66	0.51	1.17	.	.	.	.	.	.	.
1019	ALL TEX ATLAS	0.80	0.65	1.45	409	21.5	1.59	90	48.66	4.61	3.1
1103	FIBERMAX 989	0.59	0.51	1.10	.	.	.	.	.	.	.
1167	NM 970513	0.73	0.56	1.28	.	.	.	.	.	.	.
.	LSD	0.11	0.11	0.21	59.2	9.6	0.20	7	3.73	0.81	0.6

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

Questions or comments to: ekeene@ars.usda.gov

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Mid-South Area
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2002 National Cotton Variety Test

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 HIGH QUALITY REGIONAL COTTON VARIETY TEST

BOTH HIGH QUALITY REGIONS COMBINED
VARIETIES COMBINING LOCATIONS

ARIETY 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 (%)
1223	DP 493	1291	4.64	43.7	7.9	124	1.15	0.55	201	7.0
1224	DP 555 R/R	1233	4.60	43.6	7.5	119	1.14	0.55	193	6.6
1158	PSC 355	1150	4.66	40.0	8.9	126	1.12	0.56	205	9.1
1201	DPL 491	1138	5.14	43.1	8.7	129	1.19	0.56	215	6.9
1175	FIBERMAX 966	1119	5.58	40.3	10.0	148	1.16	0.56	234	5.5
1196	STV 4892 BR	1109	4.94	40.3	9.2	123	1.11	0.56	200	7.7
1152	DPL 458 BG/RR	1102	4.54	40.6	7.8	119	1.12	0.54	199	8.5
1227	JAJO 0065	1099	4.93	41.6	8.8	126	1.13	0.57	200	7.8
1225	GA 98028	1098	5.04	38.8	9.1	137	1.16	0.57	211	7.2

1220	AR 9101-91-09	1093	4.91	39.7	9.1	133	1.13	0.55	214	7.8
1203	JAJO 8192	1090	5.00	39.3	8.9	131	1.16	0.57	202	9.2
1229	SG 00W12	1083	4.93	40.9	8.9	130	1.16	0.57	204	8.9
1221	CT 211	1081	4.84	39.7	8.3	121	1.11	0.54	199	8.0
1140	DELTA PEARL	1081	4.87	41.1	8.4	129	1.17	0.55	205	6.9
1169	FIBERMAX 958	1074	5.13	40.9	9.6	136	1.17	0.55	214	6.1
1117	FIBERMAX 832	1059	5.71	39.4	9.6	151	1.20	0.57	228	7.0
1226	GA 98084	1026	5.11	38.6	8.9	133	1.14	0.56	212	7.4
1222	CT 210	1022	4.75	39.8	8.3	118	1.11	0.55	198	8.3
1104	SG 747	1021	4.72	40.9	8.7	113	1.13	0.56	181	9.2
1208	STV 580	1019	4.87	39.2	8.3	122	1.13	0.56	205	8.7
1228	JAJO 0157	1005	4.58	41.7	8.3	129	1.17	0.57	210	8.3
1230	TAM 96 WD-18	894	5.51	37.9	10.4	140	1.19	0.58	225	8.1
1128	ACALA 1517-99	893	4.87	37.5	9.5	145	1.20	0.57	237	7.3
1164	ACALA ULTIMA	517	4.73	40.8	10.6	159	1.22	0.60	260	6.9
.	LSD	142	0.37	1.3	0.8	6	0.02	0.01	10	0.6

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

ARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1223	DP 493	4.69	1.12	82.9	31.9	7.8	71.1	7.8	4.81	1606	16.60	3.54
1224	DP 555 R/R	4.52	1.11	82.2	30.5	7.5	71.0	8.1	4.69	1568	16.50	3.62
1158	PSC 355	4.84	1.11	83.7	32.4	9.2	67.5	8.5	4.84	1752	19.68	3.57
1201	DPL 491	4.56	1.19	83.4	32.7	7.9	69.1	8.7	4.69	1426	17.44	3.51
1175	FIBERMAX 966	4.47	1.14	84.0	36.8	7.9	69.5	8.0	4.60	1602	19.99	3.43
1196	STV 4892 BR	4.75	1.09	83.4	31.5	8.3	68.9	8.9	4.88	1622	18.09	3.39
1152	DPL 458 BG/RR	4.76	1.09	82.8	31.4	8.4	69.9	8.0	4.86	1510	17.90	3.18
1227	JAJO 0065	4.57	1.09	83.1	30.7	8.8	70.1	8.4	4.73	1621	18.34	3.58
1225	GA 98028	4.45	1.14	83.3	33.1	8.3	68.1	8.3	4.50	1695	19.42	3.54
1220	AR 9101-91-09	4.52	1.09	83.2	32.9	8.4	68.9	8.0	4.62	1591	19.98	3.58
1203	JAJO 8192	4.40	1.14	84.4	31.1	8.8	70.4	8.6	4.51	1673	18.45	3.37
1229	SG 00W12	4.47	1.14	84.1	31.0	8.8	66.9	8.5	4.61	1578	17.28	3.36
1221	CT 211	4.60	1.09	82.6	31.5	8.4	70.5	8.3	4.78	1636	19.22	3.28
1140	DELTA PEARL	4.80	1.17	83.0	31.1	7.6	71.7	7.5	4.90	1611	17.46	3.59
1169	FIBERMAX 958	4.63	1.16	83.1	33.3	7.5	69.6	8.3	4.70	1543	19.17	3.37

1117	FIBERMAX 832	4.33	1.19	84.2	34.6	7.9	70.1	7.8	4.37	1659	20.01	3.47
1226	GA 98084	4.37	1.13	83.4	32.6	8.2	69.1	8.6	4.46	1575	18.95	3.41
1222	CT 210	4.67	1.09	82.3	31.5	8.5	70.6	8.4	4.78	1527	19.16	3.32
1104	SG 747	4.84	1.09	83.7	28.8	8.6	68.5	9.0	4.94	1434	16.95	3.37
1208	STV 580	4.66	1.11	83.4	31.0	8.5	70.0	8.6	4.74	1613	17.85	3.29
1228	JAJO 0157	4.36	1.18	83.9	32.0	8.7	69.7	9.1	4.46	1400	16.51	3.45
1230	TAM 96 WD-18	4.24	1.19	84.2	32.8	8.3	68.8	8.7	4.36	1475	20.21	3.69
1128	ACALA 1517-99	4.16	1.18	83.6	34.8	8.2	68.4	8.1	4.21	1460	19.75	3.65
1164	ACALA ULTIMA	3.92	1.20	85.3	38.3	8.0	69.6	8.7	3.93	675	19.65	3.90
.	LSD	0.23	0.03	0.7	1.2	0.3	1.6	0.6	0.24	221	1.03	0.14

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1223	DP 493	0.49	0.41	0.90	414	21.4	1.57	90	47.75	4.52	3.1
1224	DP 555 R/R	0.59	0.44	1.03	425	20.2	1.54	92	45.62	4.20	3.1
1158	PSC 355	0.89	0.54	1.42	413	24.2	1.63	88	49.61	4.68	3.1
1201	DPL 491	0.74	0.62	1.36	426	20.4	1.55	91	45.79	4.19	3.0
1175	FIBERMAX 966	0.59	0.50	1.10	420	16.6	1.46	94	43.88	4.09	3.1
1196	STV 4892 BR	0.96	0.64	1.60	412	26.0	1.66	87	50.42	4.81	3.1
1152	DPL 458 BG/RR	0.72	0.54	1.26	413	24.0	1.62	89	49.29	4.67	3.1
1227	JAJO 0065	0.79	0.47	1.27	425	24.8	1.64	88	48.47	4.51	3.0
1225	GA 98028	0.86	0.64	1.50	438	23.9	1.63	88	46.83	4.17	2.9
1220	AR 9101-91-09	0.70	0.58	1.27	417	18.2	1.50	93	44.98	4.22	3.2
1203	JAJO 8192	0.85	0.51	1.36	443	26.0	1.66	87	47.28	4.23	2.9
1229	SG 00W12	0.82	0.64	1.46	433	25.5	1.65	87	47.91	4.33	2.9
1221	CT 211	0.84	0.62	1.46	422	21.6	1.57	91	46.75	4.38	3.1
1140	DELTA PEARL	0.65	0.47	1.11	404	18.1	1.50	93	46.74	4.49	3.2
1169	FIBERMAX 958	0.47	0.48	0.96	406	14.3	1.41	96	43.69	4.21	3.3
1117	FIBERMAX 832	0.55	0.45	0.99	443	17.0	1.47	94	41.77	3.68	3.0
1226	GA 98084	0.81	0.56	1.37	437	23.9	1.62	89	46.67	4.19	2.9
1222	CT 210	0.80	0.60	1.40	423	21.0	1.56	91	46.57	4.37	3.1
1104	SG 747	0.67	0.53	1.20	405	23.5	1.62	89	50.33	4.89	3.1
1208	STV 580	0.84	0.61	1.46	418	23.8	1.62	88	48.76	4.56	3.0
1228	JAJO 0157	0.91	0.50	1.41	444	23.4	1.61	89	45.71	4.05	2.9

1230 TAM 96 WD-18	0.72	0.47	1.19	447	24.6	1.64	88	46.11	4.01	2.8
1128 ACALA 1517-99	0.70	0.49	1.19	451	19.0	1.52	93	42.29	3.65	2.9
1164 ACALA ULTIMA	0.55	0.45	1.00	478	21.4	1.57	91	41.36	3.38	2.7
. LSD	0.06	0.04	0.10	22.2	4.8	0.10	4	2.11	0.31	0.2

Reg=71 HIGH QUALITY INCLUDING COLLEGE STATION, TX; BOSSIER CITY, LA; STONEVILLE, MS; AND KEISER, AR
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 (%)
1223	DP 493	1678	4.92	44.2	8.4	119	1.15	0.55	203	6.9
1224	DP 555 R/R	1616	4.82	44.2	7.7	112	1.13	0.54	188	6.3
1196	STV 4892 BR	1492	5.07	41.6	9.8	114	1.11	0.57	205	8.4
1220	AR 9101-91-09	1480	5.49	41.0	10.4	126	1.12	0.55	209	7.5
1158	PSC 355	1478	4.89	40.8	9.5	118	1.11	0.56	199	9.3
1175	FIBERMAX 966	1473	6.03	40.9	11.0	140	1.16	0.56	232	5.5
1225	GA 98028	1465	5.25	40.2	10.0	130	1.16	0.57	206	7.1
1140	DELTA PEARL	1452	5.23	41.2	8.6	124	1.17	0.55	204	6.6
1203	JAJO 8192	1441	5.35	41.4	9.6	124	1.15	0.57	196	8.9
1227	JAJO 0065	1440	5.40	41.6	9.9	121	1.13	0.56	196	7.6
1201	DPL 491	1416	5.57	43.4	9.2	119	1.19	0.56	204	6.2
1229	GA 00W12	1409	5.37	41.7	9.5	126	1.16	0.58	201	9.2
1221	CT 211	1403	5.16	40.4	8.2	113	1.11	0.53	194	7.6
1152	DPL 458 BG/RR	1386	4.63	40.9	8.0	113	1.11	0.54	197	8.3
1169	FIBERMAX 958	1383	5.61	41.4	10.1	130	1.15	0.54	210	5.8
1104	SG 747	1383	5.20	42.3	9.5	107	1.13	0.56	179	9.1
1117	FIBERMAX 832	1376	6.25	39.1	10.5	148	1.19	0.56	228	6.5
1208	STV 580	1364	5.05	40.6	9.0	114	1.14	0.57	207	8.8
1228	JAJO 0157	1340	4.80	43.6	8.8	123	1.18	0.58	204	8.1
1222	CT 210	1339	4.95	40.8	8.4	110	1.11	0.55	190	7.4
1226	GA 98084	1318	5.55	39.5	10.1	124	1.15	0.57	204	7.3
1230	TAM 96 WD-18	1207	6.10	37.9	11.4	136	1.20	0.59	229	8.4

1128	ACALA 1517-99	1165	5.12	37.8	10.3	141	1.20	0.57	236	6.9
1184	UA-5	908	5.90	42.1	12.7	148	1.21	0.59	259	6.8
1164	ACALA ULTIMA	680	4.82	42.4	10.7	153	1.21	0.61	258	6.5
.	LSD	190	0.43	1.7	0.5	9	0.03	0.02	14	0.9

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
							COLORIMETER HUNTER'S					
ARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1223	DP 493	4.78	1.12	83.2	31.2	7.7	66.0	7.1	4.92	2051	17.25	3.45
1224	DP 555 R/R	4.73	1.10	82.0	29.3	7.5	65.3	7.3	4.87	2031	17.07	3.41
1196	STV 4892 BR	5.13	1.10	84.0	30.3	8.6	64.0	8.0	5.30	2164	19.24	3.18
1220	AR 9101-91-09	4.93	1.10	82.9	32.5	8.5	63.2	7.4	5.00	2059	20.83	3.47
1158	PSC 355	5.02	1.10	83.3	31.0	8.9	62.5	7.8	4.98	2250	20.63	3.46
1175	FIBERMAX 966	4.75	1.13	83.9	36.3	7.6	64.5	7.2	4.78	2103	21.39	3.23
1225	GA 98028	4.63	1.15	83.5	32.5	8.1	64.2	7.7	4.58	2176	20.18	3.36
1140	DELTA PEARL	4.80	1.20	83.3	30.8	7.6	65.8	6.9	4.87	2191	17.99	3.40
1203	JAJO 8192	4.78	1.13	84.6	30.5	8.9	66.0	7.9	4.87	2151	19.98	3.35
1227	JAJO 0065	4.82	1.10	83.4	29.8	8.9	66.0	7.8	4.85	2208	19.42	3.44
1201	DPL 491	4.57	1.20	83.5	30.7	7.7	64.3	7.8	4.70	1731	17.50	3.34
1229	GA 00W12	4.70	1.15	84.1	30.3	8.7	64.2	7.9	4.85	2021	18.35	3.22
1221	CT 211	4.90	1.12	82.6	30.5	8.4	65.0	7.4	5.07	2118	19.58	3.07
1152	DPL 458 BG/RR	5.02	1.10	83.0	30.3	8.2	64.8	7.3	5.12	1901	19.06	3.01
1169	FIBERMAX 958	4.90	1.17	82.9	32.2	7.4	64.0	7.4	4.95	1996	19.54	3.17
1104	SG 747	5.18	1.12	84.2	28.5	8.6	64.5	8.1	5.28	1834	17.84	3.33
1117	FIBERMAX 832	4.43	1.20	84.4	34.3	7.8	65.7	7.2	4.42	2130	20.35	3.27
1208	STV 580	4.97	1.10	83.3	29.7	8.2	66.2	8.0	4.97	2037	18.81	3.09
1228	JAJO 0157	4.58	1.20	84.1	31.0	8.7	66.2	8.4	4.67	1800	17.11	3.34
1222	CT 210	5.03	1.10	82.4	30.0	8.3	65.0	7.7	5.17	1916	19.88	3.06
1226	GA 98084	4.67	1.12	83.6	31.7	8.1	64.7	8.0	4.72	1957	20.18	3.24
1230	TAM 96 WD-18	4.37	1.20	84.4	31.7	8.3	65.2	8.3	4.42	2040	20.71	3.47
1128	ACALA 1517-99	4.37	1.20	83.6	33.8	8.1	64.5	7.9	4.37	1911	20.48	3.51
1184	UA-5	4.10	1.20	86.1	37.0	8.0	62.0	7.6	4.15	1218	20.92	3.98
1164	ACALA ULTIMA	4.08	1.20	84.9	37.8	8.0	66.5	8.0	4.08	855	20.53	3.75
.	LSD	0.25	0.04	1.0	1.5	0.4	2.2	0.6	0.28	292	1.51	0.24

VARIETY CODE	VARIETY NAME	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1223	DP 493	0.50	0.43	0.93	393	18.1	1.50	93	48.10	4.76	3.3
1224	DP 555 R/R	0.62	0.47	1.09	408	19.1	1.53	92	46.95	4.45	3.1
1196	STV 4892 BR	1.11	0.74	1.86	380	20.8	1.57	91	51.86	5.29	3.3
1220	AR 9101-91-09	0.76	0.63	1.39	386	13.0	1.38	98	44.84	4.49	3.4
1158	PSC 355	0.95	0.58	1.53	402	23.3	1.62	88	50.66	4.88	3.1
1175	FIBERMAX 966	0.58	0.52	1.10	403	15.6	1.45	95	44.99	4.32	3.2
1225	GA 98028	0.91	0.69	1.60	428	22.7	1.61	89	47.26	4.27	2.9
1140	DELTA PEARL	0.68	0.50	1.18	407	18.6	1.52	93	46.82	4.45	3.1
1203	JAJO 8192	0.93	0.55	1.49	406	20.4	1.56	91	48.27	4.61	3.1
1227	JAJO 0065	0.89	0.54	1.43	402	21.8	1.59	90	49.77	4.80	3.1
1201	DPL 491	0.79	0.68	1.46	421	17.6	1.50	93	44.65	4.12	3.0
1229	GA 00W12	0.89	0.70	1.59	416	23.7	1.63	88	49.14	4.57	3.0
1221	CT 211	0.92	0.68	1.60	395	17.6	1.49	94	47.32	4.63	3.3
1152	DPL 458 BG/RR	0.76	0.58	1.35	390	20.2	1.55	91	49.96	4.96	3.2
1169	FIBERMAX 958	0.49	0.50	0.99	386	14.1	1.41	97	45.70	4.57	3.4
1104	SG 747	0.74	0.59	1.33	375	19.4	1.54	92	51.41	5.30	3.4
1117	FIBERMAX 832	0.56	0.48	1.04	431	14.5	1.42	96	41.36	3.71	3.0
1208	STV 580	0.92	0.68	1.59	401	21.8	1.59	90	49.71	4.79	3.1
1228	JAJO 0157	0.99	0.54	1.52	423	18.8	1.52	93	45.13	4.14	3.0
1222	CT 210	0.89	0.67	1.55	400	17.8	1.50	93	47.38	4.64	3.2
1226	GA 98084	0.90	0.63	1.53	412	22.8	1.61	89	49.11	4.61	3.0
1230	TAM 96 WD-18	0.78	0.52	1.30	438	22.3	1.60	90	45.72	4.04	2.9
1128	ACALA 1517-99	0.75	0.55	1.30	439	16.9	1.48	94	42.36	3.74	2.9
1184	UA-5	0.51	0.43	0.94	445	23.3	1.63	89	45.86	4.00	2.8
1164	ACALA ULTIMA	0.57	0.49	1.05	460	18.4	1.52	93	41.40	3.49	2.8
.	LSD	0.08	0.05	0.13	25.0	5.1	0.12	4	2.96	0.44	0.3

Reg=72 HIGH QUALITY INCLUDING TIFTON, GA; FLORENCE, SC; AND BELLE MINA, AL
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 (%)
1223	DP 493	1008	4.63	43.1	7.6	126	1.14	0.55	200	7.4
1158	PSC 355	1005	4.88	40.4	8.3	131	1.12	0.56	215	9.1
1224	DP 555 R/R	1002	4.73	43.8	7.3	122	1.14	0.56	197	7.0
1201	DPL 491	981	4.98	43.6	8.0	136	1.18	0.55	225	7.6
1152	DPL 458 BG/RR	950	4.80	40.7	7.7	123	1.12	0.56	200	8.9
1227	JAJO 0065	948	5.07	43.2	7.9	127	1.12	0.57	202	7.8
1229	GA 00W12	946	4.74	41.3	8.3	131	1.14	0.57	207	8.9
1225	GA 98028	944	5.00	39.1	8.0	140	1.13	0.56	210	7.3
1220	AR 9101-91-09	925	4.79	39.3	8.0	138	1.13	0.55	218	8.0
1169	FIBERMAX 958	899	5.01	40.8	9.0	138	1.17	0.56	215	6.4
1203	JAJO 8192	895	5.04	38.9	8.2	134	1.15	0.57	206	9.5
1175	FIBERMAX 966	890	5.32	40.4	9.0	150	1.15	0.57	228	5.7
1226	GA 98084	885	5.09	39.2	7.4	139	1.13	0.56	216	7.5
1221	CT 211	879	5.01	40.5	8.6	124	1.12	0.55	202	8.4
1117	FIBERMAX 832	868	5.48	40.2	8.6	154	1.19	0.58	225	7.4
1196	STV 4892 BR	867	5.11	40.4	8.7	129	1.10	0.55	199	7.2
1140	DELTA PEARL	866	4.79	41.4	8.2	132	1.16	0.55	208	7.4
1228	JAJO 0157	858	4.92	41.2	7.9	131	1.15	0.57	212	8.5
1222	CT 210	842	4.99	40.0	8.6	122	1.11	0.55	200	9.2
1208	STV 580	792	4.86	39.6	7.5	127	1.13	0.55	208	9.0
1230	TAM 96 WD-18	755	5.37	39.3	9.1	140	1.17	0.57	220	8.2
1104	SG 747	743	4.52	41.0	7.7	117	1.12	0.56	183	9.4
1128	ACALA 1517-99	702	4.84	38.6	8.6	149	1.19	0.58	235	7.9
1164	ACALA ULTIMA	349	4.66	39.8	9.7	164	1.23	0.60	262	7.3
.	LSD	277	0.64	1.8	1.8	12	0.04	0.02	18	1.0

ARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1223	DP 493	4.80	1.12	82.6	33.3	8.1	74.3	8.8	4.93	1291	16.52	3.69

1158	PSC 355	4.83	1.10	84.0	34.7	9.5	71.0	9.7	4.90	1512	19.19	3.64
1224	DP 555 R/R	4.58	1.12	82.3	31.8	7.7	75.5	8.9	4.77	1278	16.32	3.84
1201	DPL 491	4.68	1.17	82.9	34.7	8.3	72.3	9.6	4.82	1251	17.16	3.61
1152	DPL 458 BG/RR	4.82	1.08	82.7	33.0	8.7	72.8	8.7	4.97	1413	17.29	3.36
1227	JAJO 0065	4.78	1.07	82.6	32.0	9.0	73.0	10.0	5.05	1256	18.47	3.70
1229	GA 00W12	4.58	1.12	83.9	32.2	9.1	68.0	9.2	4.70	1337	16.85	3.48
1225	GA 98028	4.53	1.10	82.5	34.2	8.6	70.3	9.1	4.65	1437	18.88	3.67
1220	AR 9101-91-09	4.43	1.08	83.6	34.2	8.6	73.3	8.5	4.57	1408	19.66	3.62
1169	FIBERMAX 958	4.57	1.13	83.0	34.8	7.7	73.5	9.3	4.60	1276	18.92	3.62
1203	JAJO 8192	4.45	1.13	84.3	32.2	8.9	73.7	9.8	4.63	1346	17.39	3.41
1175	FIBERMAX 966	4.48	1.12	83.6	37.2	8.2	72.8	8.8	4.65	1280	19.02	3.57
1226	GA 98084	4.45	1.12	83.1	33.8	8.6	72.3	9.1	4.57	1400	18.37	3.54
1221	CT 211	4.70	1.07	82.4	33.0	8.7	74.2	9.1	4.92	1297	19.34	3.53
1117	FIBERMAX 832	4.50	1.17	83.8	35.5	8.2	73.2	8.5	4.57	1329	19.32	3.68
1196	STV 4892 BR	4.70	1.07	83.0	33.3	8.4	72.3	9.8	4.83	1231	18.09	3.62
1140	DELTA PEARL	4.97	1.13	82.7	32.0	7.8	75.7	8.3	5.10	1229	17.32	3.73
1228	JAJO 0157	4.60	1.15	83.5	33.2	9.1	71.8	9.9	4.73	1205	17.00	3.56
1222	CT 210	4.75	1.07	82.5	33.2	8.9	74.3	9.0	4.80	1252	19.10	3.55
1208	STV 580	4.77	1.10	83.5	32.7	9.0	72.5	9.3	4.87	1217	17.66	3.47
1230	TAM 96 WD-18	4.42	1.15	83.6	34.0	8.6	71.5	9.2	4.55	1166	20.62	3.88
1104	SG 747	4.92	1.07	82.9	30.0	8.8	71.7	10.0	5.00	1083	16.59	3.40
1128	ACALA 1517-99	4.18	1.15	83.5	36.2	8.4	71.2	8.6	4.25	1094	19.12	3.78
1164	ACALA ULTIMA	3.98	1.20	85.2	39.8	8.3	72.8	9.6	3.98	506	19.19	4.03
.	LSD	0.35	0.06	1.1	2.4	0.5	2.8	1.0	0.34	405	1.59	0.16

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1223	DP 493	0.50	0.40	0.91	407	19.8	1.54	92	47.47	4.56	3.1
1158	PSC 355	0.82	0.49	1.32	403	21.7	1.57	90	48.90	4.71	3.2
1224	DP 555 R/R	0.56	0.41	0.97	410	17.8	1.48	94	45.28	4.29	3.2
1201	DPL 491	0.69	0.59	1.28	413	20.8	1.56	91	47.15	4.45	3.1
1152	DPL 458 BG/RR	0.69	0.52	1.21	401	20.1	1.54	92	48.16	4.67	3.2
1227	JAJO 0065	0.74	0.44	1.18	395	19.0	1.52	93	47.99	4.71	3.3
1229	GA 00W12	0.76	0.60	1.36	424	21.9	1.57	91	46.39	4.31	3.1

1225	GA 98028	0.82	0.60	1.42	425	22.7	1.60	90	47.22	4.33	3.0
1220	AR 9101-91-09	0.66	0.55	1.21	418	19.4	1.52	92	45.61	4.26	3.2
1169	FIBERMAX 958	0.45	0.46	0.92	409	13.7	1.39	97	42.74	4.09	3.3
1203	JAJO 8192	0.77	0.46	1.24	431	22.3	1.59	90	46.53	4.24	3.0
1175	FIBERMAX 966	0.61	0.50	1.11	415	14.8	1.42	96	43.12	4.10	3.3
1226	GA 98084	0.76	0.51	1.27	422	19.3	1.52	93	45.05	4.16	3.1
1221	CT 211	0.82	0.59	1.41	402	19.1	1.51	93	47.14	4.57	3.3
1117	FIBERMAX 832	0.52	0.42	0.93	429	14.5	1.42	96	41.60	3.81	3.1
1196	STV 4892 BR	0.81	0.56	1.37	405	20.3	1.54	91	47.84	4.62	3.2
1140	DELTA PEARL	0.62	0.43	1.05	386	16.4	1.46	95	47.32	4.74	3.4
1228	JAJO 0157	0.89	0.49	1.38	419	21.8	1.58	90	47.35	4.38	3.0
1222	CT 210	0.75	0.57	1.31	401	17.4	1.49	94	46.57	4.54	3.3
1208	STV 580	0.80	0.56	1.36	404	20.8	1.56	91	48.23	4.65	3.2
1230	TAM 96 WD-18	0.67	0.43	1.10	435	25.3	1.65	88	47.49	4.23	2.9
1104	SG 747	0.61	0.48	1.08	399	22.3	1.59	90	50.04	4.90	3.2
1128	ACALA 1517-99	0.64	0.45	1.09	448	18.9	1.51	93	42.24	3.68	2.9
1164	ACALA ULTIMA	0.55	0.43	0.97	469	19.4	1.52	92	40.56	3.34	2.8
.	LSD	0.09	0.05	0.14	28.3	5.6	0.12	5	3.41	0.48	0.3

REGION=HIGH QUALITY
INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
FIBERMAX 832	5.71
FIBERMAX 966	5.58
TAM 96 WD-18	5.51
DPL 491	5.14
FIBERMAX 958	5.13
GA 98084	5.11
GA 98028	5.04
JAJO 8192	5.00

REGION=HIGH QUALITY

LINT PERCENT	
DP 493	43.7
DP 555 R/R	43.6
DPL 491	43.1
JAJO 0157	41.7
JAJO 0065	41.6
DELTA PEARL	41.1
SG 747	40.9
SG 00W12	40.9

REGION=HIGH QUALITY

SEED INDEX	
ACALA ULTIMA	10.6
TAM 96 WD-18	10.4
FIBERMAX 966	10.0
FIBERMAX 958	9.6
FIBERMAX 832	9.6
ACALA 1517-99	9.5
STV 4892 BR	9.2
AR 9101-91-09	9.1

STV 4892 BR	4.94
SG 00W12	4.93
JAJO 0065	4.93
AR 9101-91-09	4.91
STV 580	4.87
ACALA 1517-99	4.87
DELTA PEARL	4.87
CT 211	4.84
CT 210	4.75
ACALA ULTIMA	4.73
SG 747	4.72
PSC 355	4.66
DP 493	4.64
DP 555 R/R	4.60
JAJO 0157	4.58
DPL 458 BG/RR	4.54
LSD	0.37

FIBERMAX 958	40.9
ACALA ULTIMA	40.8
DPL 458 BG/RR	40.6
STV 4892 BR	40.3
FIBERMAX 966	40.3
PSC 355	40.0
CT 210	39.8
AR 9101-91-09	39.7
CT 211	39.7
FIBERMAX 832	39.4
JAJO 8192	39.3
STV 580	39.2
GA 98028	38.8
GA 98084	38.6
TAM 96 WD-18	37.9
ACALA 1517-99	37.5
LSD	1.3

GA 98028	9.1
SG 00W12	8.9
PSC 355	8.9
JAJO 8192	8.9
GA 98084	8.9
JAJO 0065	8.8
SG 747	8.7
DPL 491	8.7
DELTA PEARL	8.4
CT 210	8.3
CT 211	8.3
JAJO 0157	8.3
STV 580	8.3
DP 493	7.9
DPL 458 BG/RR	7.8
DP 555 R/R	7.5
LSD	0.8

2.5% S.L. (INCHES)	
ACALA ULTIMA	1.20
TAM 96 WD-18	1.19
FIBERMAX 832	1.19
DPL 491	1.19
ACALA 1517-99	1.18
JAJO 0157	1.18
DELTA PEARL	1.17
FIBERMAX 958	1.16
JAJO 8192	1.14
FIBERMAX 966	1.14
GA 98028	1.14
SG 00W12	1.14
GA 98084	1.13
DP 493	1.12
DP 555 R/R	1.11
PSC 355	1.11
STV 580	1.11

UR (PERCENT)	
ACALA ULTIMA	85.3
JAJO 8192	84.4
TAM 96 WD-18	84.2
FIBERMAX 832	84.2
SG 00W12	84.1
FIBERMAX 966	84.0
JAJO 0157	83.9
PSC 355	83.7
SG 747	83.7
ACALA 1517-99	83.6
STV 4892 BR	83.4
STV 580	83.4
GA 98084	83.4
DPL 491	83.4
GA 98028	83.3
AR 9101-91-09	83.2
FIBERMAX 958	83.1

STRENGTH (G/TEX)	
ACALA ULTIMA	38.3
FIBERMAX 966	36.8
ACALA 1517-99	34.8
FIBERMAX 832	34.6
FIBERMAX 958	33.3
GA 98028	33.1
AR 9101-91-09	32.9
TAM 96 WD-18	32.8
DPL 491	32.7
GA 98084	32.6
PSC 355	32.4
JAJO 0157	32.0
DP 493	31.9
STV 4892 BR	31.5
CT 211	31.5
CT 210	31.5
DPL 458 BG/RR	31.4

AR 9101-91-09	1.09
SG 747	1.09
CT 211	1.09
DPL 458 BG/RR	1.09
STV 4892 BR	1.09
JAJO 0065	1.09
CT 210	1.09
LSD	0.03

JAJO 0065	83.1
DELTA PEARL	83.0
DP 493	82.9
DPL 458 BG/RR	82.8
CT 211	82.6
CT 210	82.3
DP 555 R/R	82.2
LSD	0.7

JAJO 8192	31.1
DELTA PEARL	31.1
SG 00W12	31.0
STV 580	31.0
JAJO 0065	30.7
DP 555 R/R	30.5
SG 747	28.8
LSD	1.2

E	
PSC 355	9.2
JAJO 0065	8.8
SG 00W12	8.8
JAJO 8192	8.8
JAJO 0157	8.7
SG 747	8.6
CT 210	8.5
STV 580	8.5
CT 211	8.4
AR 9101-91-09	8.4
DPL 458 BG/RR	8.4
STV 4892 BR	8.3
TAM 96 WD-18	8.3
GA 98028	8.3
GA 98084	8.2
ACALA 1517-99	8.2
ACALA ULTIMA	8.0
FIBERMAX 832	7.9
DPL 491	7.9
FIBERMAX 966	7.9
DP 493	7.8
DELTA PEARL	7.6
FIBERMAX 958	7.5
DP 555 R/R	7.5
LSD	0.3

MICRONAIRE (SL-HVI)	
SG 747	4.94
DELTA PEARL	4.90
STV 4892 BR	4.88
DPL 458 BG/RR	4.86
PSC 355	4.84
DP 493	4.81
CT 211	4.78
CT 210	4.78
STV 580	4.74
JAJO 0065	4.73
FIBERMAX 958	4.70
DPL 491	4.69
DP 555 R/R	4.69
AR 9101-91-09	4.62
SG 00W12	4.61
FIBERMAX 966	4.60
JAJO 8192	4.51
GA 98028	4.50
GA 98084	4.46
JAJO 0157	4.46
FIBERMAX 832	4.37
TAM 96 WD-18	4.36
ACALA 1517-99	4.21
ACALA ULTIMA	3.93
LSD	0.24

COLORIMETER - Rd	
DELTA PEARL	71.7
DP 493	71.1
DP 555 R/R	71.0
CT 210	70.6
CT 211	70.5
JAJO 8192	70.4
JAJO 0065	70.1
FIBERMAX 832	70.1
STV 580	70.0
DPL 458 BG/RR	69.9
JAJO 0157	69.7
FIBERMAX 958	69.6
ACALA ULTIMA	69.6
FIBERMAX 966	69.5
DPL 491	69.1
GA 98084	69.1
AR 9101-91-09	68.9
STV 4892 BR	68.9
TAM 96 WD-18	68.8
SG 747	68.5
ACALA 1517-99	68.4
GA 98028	68.1
PSC 355	67.5
SG 00W12	66.9
LSD	1.6

COLORIMETER - b	
JAJO 0157	9.1
SG 747	9.0
STV 4892 BR	8.9
ACALA ULTIMA	8.7
DPL 491	8.7
TAM 96 WD-18	8.7
STV 580	8.6
GA 98084	8.6
JAJO 8192	8.6
PSC 355	8.5
SG 00W12	8.5
JAJO 0065	8.4
CT 210	8.4
FIBERMAX 958	8.3
GA 98028	8.3
CT 211	8.3
DP 555 R/R	8.1
ACALA 1517-99	8.1
FIBERMAX 966	8.0
DPL 458 BG/RR	8.0
AR 9101-91-09	8.0
FIBERMAX 832	7.8
DP 493	7.8
DELTA PEARL	7.5
LSD	0.6

MICRONAIRE	
PSC 355	4.84
SG 747	4.84
DELTA PEARL	4.80
DPL 458 BG/RR	4.76
STV 4892 BR	4.75
DP 493	4.69
CT 210	4.67
STV 580	4.66
FIBERMAX 958	4.63
CT 211	4.60
JAJO 0065	4.57
DPL 491	4.56
AR 9101-91-09	4.52
DP 555 R/R	4.52
SG 00W12	4.47
FIBERMAX 966	4.47
GA 98028	4.45
JAJO 8192	4.40
GA 98084	4.37
JAJO 0157	4.36
FIBERMAX 832	4.33
TAM 96 WD-18	4.24
ACALA 1517-99	4.16
ACALA ULTIMA	3.92
LSD	0.23

STELOMETER - E1	
SG 747	9.2
JAJO 8192	9.2
PSC 355	9.1
SG 00W12	8.9
STV 580	8.7
DPL 458 BG/RR	8.5
JAJO 0157	8.3
CT 210	8.3
TAM 96 WD-18	8.1
CT 211	8.0
JAJO 0065	7.8
AR 9101-91-09	7.8
STV 4892 BR	7.7
GA 98084	7.4
ACALA 1517-99	7.3
GA 98028	7.2
FIBERMAX 832	7.0
DP 493	7.0
DPL 491	6.9
DELTA PEARL	6.9
ACALA ULTIMA	6.9
DP 555 R/R	6.6
FIBERMAX 958	6.1
FIBERMAX 966	5.5
LSD	0.6

STELOMETER - T1	
ACALA ULTIMA	260
ACALA 1517-99	237
FIBERMAX 966	234
FIBERMAX 832	228
TAM 96 WD-18	225

FIBROGRAPH--50% S.L.	
ACALA ULTIMA	0.60
TAM 96 WD-18	0.58
FIBERMAX 832	0.57
ACALA 1517-99	0.57
JAJO 0157	0.57

FIBROGRAPH--2.5% S.L.	
ACALA ULTIMA	1.22
FIBERMAX 832	1.20
ACALA 1517-99	1.20
TAM 96 WD-18	1.19
DPL 491	1.19

DPL 491	215
FIBERMAX 958	214
AR 9101-91-09	214
GA 98084	212
GA 98028	211
JAJO 0157	210
STV 580	205
PSC 355	205
DELTA PEARL	205
SG 00W12	204
JAJO 8192	202
DP 493	201
JAJO 0065	200
STV 4892 BR	200
CT 211	199
DPL 458 BG/RR	199
CT 210	198
DP 555 R/R	193
SG 747	181
LSD	10

SG 00W12	0.57
JAJO 8192	0.57
GA 98028	0.57
JAJO 0065	0.57
FIBERMAX 966	0.56
SG 747	0.56
GA 98084	0.56
PSC 355	0.56
STV 4892 BR	0.56
STV 580	0.56
DPL 491	0.56
DELTA PEARL	0.55
FIBERMAX 958	0.55
AR 9101-91-09	0.55
DP 493	0.55
CT 210	0.55
DP 555 R/R	0.55
DPL 458 BG/RR	0.54
CT 211	0.54
LSD	0.01

JAJO 0157	1.17
DELTA PEARL	1.17
FIBERMAX 958	1.17
FIBERMAX 966	1.16
JAJO 8192	1.16
SG 00W12	1.16
GA 98028	1.16
DP 493	1.15
GA 98084	1.14
DP 555 R/R	1.14
STV 580	1.13
JAJO 0065	1.13
AR 9101-91-09	1.13
SG 747	1.13
PSC 355	1.12
DPL 458 BG/RR	1.12
CT 211	1.11
CT 210	1.11
STV 4892 BR	1.11
LSD	0.02

YARN TENACITY	
ACALA ULTIMA	159
FIBERMAX 832	151
FIBERMAX 966	148
ACALA 1517-99	145
TAM 96 WD-18	140
GA 98028	137
FIBERMAX 958	136
GA 98084	133
AR 9101-91-09	133
JAJO 8192	131
SG 00W12	130
DPL 491	129
DELTA PEARL	129
JAJO 0157	129

AREALOMETER - A (mm2/mm3)	
ACALA ULTIMA	478
ACALA 1517-99	451
TAM 96 WD-18	447
JAJO 0157	444
FIBERMAX 832	443
JAJO 8192	443
GA 98028	438
GA 98084	437
SG 00W12	433
DPL 491	426
JAJO 0065	425
DP 555 R/R	425
CT 210	423
CT 211	422

AREALOMETER - D (mm2/mm3)	
JAJO 8192	26.0
STV 4892 BR	26.0
SG 00W12	25.5
JAJO 0065	24.8
TAM 96 WD-18	24.6
PSC 355	24.2
DPL 458 BG/RR	24.0
GA 98028	23.9
GA 98084	23.9
STV 580	23.8
SG 747	23.5
JAJO 0157	23.4
CT 211	21.6
ACALA ULTIMA	21.4

JAJO 0065	126	FIBERMAX 966	420	DP 493	21.4
PSC 355	126	STV 580	418	CT 210	21.0
DP 493	124	AR 9101-91-09	417	DPL 491	20.4
STV 4892 BR	123	DP 493	414	DP 555 R/R	20.2
STV 580	122	PSC 355	413	ACALA 1517-99	19.0
CT 211	121	DPL 458 BG/RR	413	AR 9101-91-09	18.2
DPL 458 BG/RR	119	STV 4892 BR	412	DELTA PEARL	18.1
DP 555 R/R	119	FIBERMAX 958	406	FIBERMAX 832	17.0
CT 210	118	SG 747	405	FIBERMAX 966	16.6
SG 747	113	DELTA PEARL	404	FIBERMAX 958	14.3
LSD	6	LSD	22.2	LSD	4.8

AREALOMETER - I		AREALOMETER - M (PERCENT)		AREALOMETER - p (Microns)	
JAJO 8192	1.66	FIBERMAX 958	96	STV 4892 BR	50.42
STV 4892 BR	1.66	FIBERMAX 966	94	SG 747	50.33
SG 00W12	1.65	FIBERMAX 832	94	PSC 355	49.61
TAM 96 WD-18	1.64	DELTA PEARL	93	DPL 458 BG/RR	49.29
JAJO 0065	1.64	AR 9101-91-09	93	STV 580	48.76
PSC 355	1.63	ACALA 1517-99	93	JAJO 0065	48.47
GA 98028	1.63	DP 555 R/R	92	SG 00W12	47.91
STV 580	1.62	DPL 491	91	DP 493	47.75
DPL 458 BG/RR	1.62	CT 210	91	JAJO 8192	47.28
GA 98084	1.62	CT 211	91	GA 98028	46.83
SG 747	1.62	ACALA ULTIMA	91	CT 211	46.75
JAJO 0157	1.61	DP 493	90	DELTA PEARL	46.74
ACALA ULTIMA	1.57	JAJO 0157	89	GA 98084	46.67
DP 493	1.57	SG 747	89	CT 210	46.57
CT 211	1.57	GA 98084	89	TAM 96 WD-18	46.11
CT 210	1.56	DPL 458 BG/RR	89	DPL 491	45.79
DPL 491	1.55	STV 580	88	JAJO 0157	45.71
DP 555 R/R	1.54	GA 98028	88	DP 555 R/R	45.62
ACALA 1517-99	1.52	JAJO 0065	88	AR 9101-91-09	44.98
DELTA PEARL	1.50	PSC 355	88	FIBERMAX 966	43.88
AR 9101-91-09	1.50	TAM 96 WD-18	88	FIBERMAX 958	43.69
FIBERMAX 832	1.47	SG 00W12	87	ACALA 1517-99	42.29
FIBERMAX 966	1.46	STV 4892 BR	87	FIBERMAX 832	41.77

FIBERMAX 958	1.41
LSD	0.10

JAJO 8192	87
LSD	4

ACALA ULTIMA	41.36
LSD	2.11

AREALOMETER - w (MG/INCH)	
SG 747	4.89
STV 4892 BR	4.81
PSC 355	4.68
DPL 458 BG/RR	4.67
STV 580	4.56
DP 493	4.52
JAJO 0065	4.51
DELTA PEARL	4.49
CT 211	4.38
CT 210	4.37
SG 00W12	4.33
JAJO 8192	4.23
AR 9101-91-09	4.22
FIBERMAX 958	4.21
DP 555 R/R	4.20
GA 98084	4.19
DPL 491	4.19
GA 98028	4.17
FIBERMAX 966	4.09
JAJO 0157	4.05
TAM 96 WD-18	4.01
FIBERMAX 832	3.68
ACALA 1517-99	3.65
ACALA ULTIMA	3.38
LSD	0.31

AREALOMETER - t (MICRONS)	
FIBERMAX 958	3.3
DELTA PEARL	3.2
AR 9101-91-09	3.2
SG 747	3.1
FIBERMAX 966	3.1
CT 211	3.1
STV 4892 BR	3.1
DPL 458 BG/RR	3.1
DP 493	3.1
CT 210	3.1
DP 555 R/R	3.1
PSC 355	3.1
STV 580	3.0
JAJO 0065	3.0
DPL 491	3.0
FIBERMAX 832	3.0
SG 00W12	2.9
GA 98084	2.9
JAJO 0157	2.9
JAJO 8192	2.9
GA 98028	2.9
ACALA 1517-99	2.9
TAM 96 WD-18	2.8
ACALA ULTIMA	2.7
LSD	0.2

SEED YIELD (LB/ACRE)	
PSC 355	1752
GA 98028	1695
JAJO 8192	1673
FIBERMAX 832	1659
CT 211	1636
STV 4892 BR	1622
JAJO 0065	1621
STV 580	1613
DELTA PEARL	1611
DP 493	1606
FIBERMAX 966	1602
AR 9101-91-09	1591
SG 00W12	1578
GA 98084	1575
DP 555 R/R	1568
FIBERMAX 958	1543
CT 210	1527
DPL 458 BG/RR	1510
TAM 96 WD-18	1475
ACALA 1517-99	1460
SG 747	1434
DPL 491	1426
JAJO 0157	1400
ACALA ULTIMA	675
LSD	221

OIL (PERCENT)	
TAM 96 WD-18	20.21
FIBERMAX 832	20.01

NITROGEN (PERCENT)	
ACALA ULTIMA	3.90
TAM 96 WD-18	3.69

PLUS GOSSYPOL	
STV 4892 BR	0.96
JAJO 0157	0.91

FIBERMAX 966	19.99
AR 9101-91-09	19.98
ACALA 1517-99	19.75
PSC 355	19.68
ACALA ULTIMA	19.65
GA 98028	19.42
CT 211	19.22
FIBERMAX 958	19.17
CT 210	19.16
GA 98084	18.95
JAJO 8192	18.45
JAJO 0065	18.34
STV 4892 BR	18.09
DPL 458 BG/RR	17.90
STV 580	17.85
DELTA PEARL	17.46
DPL 491	17.44
SG 00W12	17.28
SG 747	16.95
DP 493	16.60
JAJO 0157	16.51
DP 555 R/R	16.50
LSD	1.03

ACALA 1517-99	3.65
DP 555 R/R	3.62
DELTA PEARL	3.59
AR 9101-91-09	3.58
JAJO 0065	3.58
PSC 355	3.57
GA 98028	3.54
DP 493	3.54
DPL 491	3.51
FIBERMAX 832	3.47
JAJO 0157	3.45
FIBERMAX 966	3.43
GA 98084	3.41
STV 4892 BR	3.39
SG 747	3.37
JAJO 8192	3.37
FIBERMAX 958	3.37
SG 00W12	3.36
CT 210	3.32
STV 580	3.29
CT 211	3.28
DPL 458 BG/RR	3.18
LSD	0.14

PSC 355	0.89
GA 98028	0.86
JAJO 8192	0.85
STV 580	0.84
CT 211	0.84
SG 00W12	0.82
GA 98084	0.81
CT 210	0.80
JAJO 0065	0.79
DPL 491	0.74
TAM 96 WD-18	0.72
DPL 458 BG/RR	0.72
AR 9101-91-09	0.70
ACALA 1517-99	0.70
SG 747	0.67
DELTA PEARL	0.65
DP 555 R/R	0.59
FIBERMAX 966	0.59
ACALA ULTIMA	0.55
FIBERMAX 832	0.55
DP 493	0.49
FIBERMAX 958	0.47
LSD	0.06

MINUS GOSSYPOL	
STV 4892 BR	0.64
SG 00W12	0.64
GA 98028	0.64
DPL 491	0.62
CT 211	0.62
STV 580	0.61
CT 210	0.60
AR 9101-91-09	0.58
GA 98084	0.56
DPL 458 BG/RR	0.54
PSC 355	0.54

TOTAL GOSSYPOL (PERCENT)	
STV 4892 BR	1.60
GA 98028	1.50
STV 580	1.46
SG 00W12	1.46
CT 211	1.46
PSC 355	1.42
JAJO 0157	1.41
CT 210	1.40
GA 98084	1.37
JAJO 8192	1.36
DPL 491	1.36

SG 747	0.53	AR 9101-91-09	1.27
JAJO 8192	0.51	JAJO 0065	1.27
FIBERMAX 966	0.50	DPL 458 BG/RR	1.26
JAJO 0157	0.50	SG 747	1.20
ACALA 1517-99	0.49	ACALA 1517-99	1.19
FIBERMAX 958	0.48	TAM 96 WD-18	1.19
JAJO 0065	0.47	DELTA PEARL	1.11
TAM 96 WD-18	0.47	FIBERMAX 966	1.10
DELTA PEARL	0.47	DP 555 R/R	1.03
ACALA ULTIMA	0.45	ACALA ULTIMA	1.00
FIBERMAX 832	0.45	FIBERMAX 832	0.99
DP 555 R/R	0.44	FIBERMAX 958	0.96
DP 493	0.41	DP 493	0.90
LSD	0.04	LSD	0.10

71 REGION=HIGH QUALITY
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
TIFTON, GA	1569	5.38	41.1	5.0	130	1.16	0.56	206	7.8
BOSSIER CITY, LA	1508	5.65	41.1	10.4	120	1.17	0.56	204	7.7
COLLEGE STATION, TX	1439	4.97	43.9	8.5	117	1.16	0.56	199	7.5
STONEVILLE, MS	1210	5.25	38.7	9.7	136	1.13	0.57	219	7.3
BELLE MINA, AL	629	4.84	39.9	10.3	147	1.18	0.55	221	7.8
KEISER, AR	621	3.89	37.1	9.0	141	1.18	0.56	215	7.4
FLORENCE, SC	401	4.60	41.0	9.5	126	1.09	0.58	209	8.2

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

LOCATION	NAIRE (reading)	S.L. (in.)	MITY (%)	NGTH (g/tex)	HUNTER'S E	Rd	b	NAIRE (Reading)	YIELD (lb/ac)	OIL (%)	OGEN (%)
TIFTON, GA	4.59	1.14	83.3	32.4	8.5	74.1	8.4	4.74	2245	19.39	3.23
BOSSIER CITY, LA	4.71	1.16	83.9	30.4	8.1	61.5	7.3	4.78	2279	18.99	3.68
COLLEGE STATION, TX	4.88	1.14	83.4	30.4	8.2	58.4	6.3	4.93	1830	19.99	2.77
STONEVILLE, MS	4.69	1.13	83.4	33.8	8.2	74.7	9.4	4.77	1860	19.02	3.51
BELLE MINA, AL	4.09	1.14	83.1	34.3	8.3	74.2	7.5	4.11	943	16.39	3.66
KEISER, AR	3.59	1.16	83.9	31.1	7.7	73.9	8.0	3.72	1017	16.99	3.51
FLORENCE, SC	5.13	1.06	83.3	34.7	8.8	69.7	11.6	5.33	574	18.89	3.97

LOCATION	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
TIFTON, GA	0.79	0.60	1.40	413	21.1	1.57	90	47.96	4.52	3.1
BOSSIER CITY, LA	0.72	0.54	1.26	409	19.6	1.54	92	47.28	4.49	3.1
COLLEGE STATION, TX	0.88	0.65	1.53	405	18.6	1.52	93	47.10	4.52	3.1
STONEVILLE, MS	0.76	0.55	1.31	410	19.4	1.53	92	47.04	4.46	3.1
BELLE MINA, AL	0.60	0.41	1.01	465	28.0	1.72	85	46.46	3.89	2.6
KEISER, AR	0.68	0.49	1.18	520	36.3	1.87	79	45.17	3.38	2.3
FLORENCE, SC	0.67	0.47	1.15	369	9.6	1.29	101	44.07	4.64	3.7

COLLEGE STATION, TX

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 (%)
1223 DP 493	1943	4.20	46.8	7.1	110	1.16	0.55	180	7.5

1224	DP 555 R/R	1704	4.50	47.4	6.6	104	1.13	0.54	172	6.7
1140	DELTA PEARL	1603	5.10	44.5	7.3	115	1.17	0.54	196	6.3
1225	GA 98028	1557	5.05	42.3	8.8	124	1.15	0.56	200	6.8
1222	CT 210	1546	4.75	44.5	7.0	100	1.11	0.54	179	7.6
1117	FIBERMAX 832	1543	5.60	41.4	9.5	139	1.20	0.56	232	6.6
1203	JAJO 8192	1538	5.25	44.2	8.6	115	1.15	0.56	189	8.7
1201	DPL 491	1537	5.10	46.2	8.0	111	1.20	0.56	201	6.1
1175	FIBERMAX 966	1534	5.65	42.3	10.3	142	1.19	0.58	224	5.5
1227	JAJO 0065	1509	5.25	44.3	9.2	116	1.14	0.56	188	7.6
1196	STV 4892 BR	1499	4.85	45.0	9.0	102	1.12	0.57	191	7.8
1220	AR 9101-91-09	1498	5.15	43.1	9.2	123	1.13	0.56	199	7.8
1158	PSC 355	1493	4.65	42.2	8.9	112	1.14	0.57	199	9.2
1226	GA 98084	1493	4.85	42.2	8.9	118	1.16	0.56	201	7.4
1169	FIBERMAX 958	1485	4.90	43.8	9.5	126	1.18	0.55	217	6.0
1221	CT 211	1411	4.95	44.1	7.2	101	1.10	0.52	190	7.8
1152	DPL 458 BG/RR	1337	4.25	45.1	6.8	104	1.13	0.55	182	9.2
1208	STV 580	1307	4.80	44.5	7.7	112	1.15	0.57	187	8.6
1229	SG 00W12	1299	5.25	43.9	8.7	124	1.17	0.59	201	8.8
1104	SG 747	1283	4.95	44.8	8.6	110	1.14	0.57	183	9.0
1230	TAM 96 WD-18	1257	5.90	40.3	10.7	125	1.18	0.57	211	6.9
1228	JAJO 0157	1242	4.30	47.5	8.1	117	1.16	0.57	187	8.3
1128	ACALA 1517-99	1217	4.80	39.2	9.3	123	1.19	0.56	222	6.7
1164	ACALA ULTIMA	711	5.25	43.8	10.4	138	1.20	0.58	245	6.8
.	LSD	205	0.82	1.8	0.6	10	0.02	0.02	16	0.9

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-	2.5%	UNIFO-	STRE-		COLORIMETER		MICRO-	SEED		NITR
		NAIRE	S.L.	MITY	NGTH		HUNTER'S		NAIRE	YIELD	OIL	OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1223	DP 493	4.75	1.10	82.8	29.5	7.5	60.0	6.0	4.75	2106	17.07	2.93
1224	DP 555 R/R	4.90	1.10	80.7	27.5	7.2	58.5	6.0	5.05	1826	17.76	2.61
1140	DELTA PEARL	4.85	1.20	83.3	29.0	7.5	58.5	5.3	5.00	2226	17.70	2.87
1225	GA 98028	4.75	1.10	82.7	32.5	8.0	58.0	6.0	4.80	2078	21.38	2.74
1222	CT 210	5.15	1.10	82.0	27.5	8.5	58.0	6.4	5.30	1957	19.35	2.43
1117	FIBERMAX 832	4.45	1.20	84.4	33.0	7.8	58.5	6.0	4.45	2071	21.69	2.40
1203	JAJO 8192	5.00	1.10	84.7	30.5	8.6	60.0	6.1	5.05	1959	20.39	2.82
1201	DPL 491	4.90	1.20	82.8	30.0	7.6	57.0	6.5	4.95	1619	17.76	2.83

1175	FIBERMAX 966	4.55	1.15	84.4	36.0	7.6	58.5	5.9	4.55	1939	22.62	2.63
1227	JAJO 0065	5.05	1.10	83.3	29.0	9.0	58.0	6.2	5.00	1978	21.40	2.95
1196	STV 4892 BR	5.25	1.10	84.0	29.0	8.8	57.5	6.7	5.30	1911	18.67	2.68
1220	AR 9101-91-09	5.00	1.10	83.1	32.0	8.7	56.5	5.5	4.95	1848	21.23	2.96
1158	PSC 355	5.00	1.10	83.6	29.0	9.2	58.5	6.7	4.90	2098	22.45	2.92
1226	GA 98084	4.80	1.10	83.5	31.0	8.1	59.0	6.6	4.75	1993	21.11	2.65
1169	FIBERMAX 958	4.85	1.20	83.7	32.0	7.5	57.5	6.5	4.90	1996	21.30	2.73
1221	CT 211	5.05	1.10	81.8	28.0	8.0	59.0	6.2	5.20	1900	19.82	2.52
1152	DPL 458 BG/RR	5.05	1.10	83.1	28.5	8.3	59.0	5.7	5.25	1573	20.21	2.56
1208	STV 580	5.20	1.10	83.5	28.5	8.5	59.0	6.5	5.25	1696	19.06	2.66
1229	SG 00W12	5.00	1.10	83.8	29.5	8.6	57.0	6.2	5.10	1682	18.49	2.78
1104	SG 747	5.35	1.10	84.8	29.0	9.1	58.0	6.4	5.45	1419	17.74	2.75
1230	TAM 96 WD-18	4.50	1.20	84.1	30.5	8.5	56.5	7.8	4.50	1941	22.56	2.90
1228	JAJO 0157	5.05	1.20	84.8	30.5	8.6	59.5	7.2	5.15	1454	17.60	2.75
1128	ACALA 1517-99	4.45	1.20	82.2	31.5	7.8	60.5	6.8	4.50	1785	21.06	2.99
1164	ACALA ULTIMA	4.15	1.20	84.8	36.0	8.1	58.0	6.7	4.15	875	21.49	3.51
.	LSD	0.28	0.03	1.2	2.6	0.5	3.9	0.6	0.27	415	2.86	0.24

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1223	DP 493	0.54	0.46	1.00	415	23.3	1.62	89	49.05	4.57	3.0
1224	DP 555 R/R	0.67	0.53	1.19	401	17.0	1.48	94	46.30	4.47	3.2
1140	DELTA PEARL	0.71	0.51	1.22	405	19.8	1.55	92	47.96	4.58	3.1
1225	GA 98028	1.02	0.77	1.79	422	23.3	1.62	89	48.33	4.44	3.0
1222	CT 210	1.01	0.78	1.79	436	16.0	1.46	95	42.35	3.82	3.0
1117	FIBERMAX 832	0.62	0.54	1.16	426	12.5	1.38	98	40.45	3.68	3.1
1203	JAJO 8192	1.06	0.60	1.66	397	17.0	1.48	94	46.98	4.59	3.2
1201	DPL 491	0.88	0.76	1.63	396	15.5	1.45	96	45.88	4.48	3.3
1175	FIBERMAX 966	0.66	0.60	1.26	417	17.3	1.49	94	44.81	4.16	3.1
1227	JAJO 0065	0.99	0.61	1.59	395	22.0	1.60	90	50.70	4.97	3.2
1196	STV 4892 BR	1.24	0.82	2.06	384	20.8	1.57	91	51.37	5.19	3.3
1220	AR 9101-91-09	0.87	0.72	1.58	395	18.0	1.51	93	47.77	4.67	3.2
1158	PSC 355	1.11	0.69	1.80	411	24.0	1.64	88	50.11	4.72	3.0
1226	GA 98084	1.05	0.72	1.77	407	24.0	1.64	88	50.47	4.80	3.1
1169	FIBERMAX 958	0.52	0.57	1.08	387	14.0	1.41	97	45.61	4.56	3.4
1221	CT 211	1.02	0.78	1.80	390	17.8	1.50	94	48.15	4.78	3.3

1152	DPL 458 BG/RR	0.80	0.63	1.42	384	18.0	1.51	93	49.23	4.96	3.4
1208	STV 580	1.03	0.74	1.76	388	19.5	1.54	92	49.79	4.96	3.3
1229	SG 00W12	1.00	0.78	1.78	396	19.3	1.54	92	48.68	4.76	3.2
1104	SG 747	0.86	0.66	1.52	366	18.8	1.52	93	51.97	5.49	3.5
1230	TAM 96 WD-18	0.92	0.61	1.52	425	18.8	1.53	93	44.92	4.09	3.0
1228	JAJO 0157	1.17	0.62	1.79	390	13.0	1.38	98	44.56	4.42	3.4
1128	ACALA 1517-99	0.87	0.62	1.49	434	19.5	1.54	92	44.59	3.98	2.9
1164	ACALA ULTIMA	0.56	0.49	1.05	459	16.8	1.48	95	40.42	3.41	2.8
.	LSD	0.07	0.07	0.11	30.3	8.0	0.19	7	5.67	0.68	0.3

BOSSIER CITY, LA

VARIETY		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 (%)
1224	DP 555 R/R	1803	5.25	44.1	8.5	101	1.17	0.55	184	6.6
1158	PSC 355	1710	5.20	40.7	10.2	118	1.12	0.55	197	9.5
1175	FIBERMAX 966	1639	6.35	41.5	11.6	138	1.17	0.55	233	6.3
1196	STV 4892 BR	1638	5.50	41.8	10.5	113	1.13	0.56	208	8.4
1229	SG 00W12	1623	5.45	41.8	10.3	113	1.18	0.56	197	8.9
1223	DP 493	1619	5.65	42.8	10.0	124	1.18	0.56	210	6.8
1225	GA 98028	1616	5.45	41.6	11.3	125	1.18	0.57	204	7.1
1152	DPL 458 BG/RR	1608	4.95	40.1	9.0	108	1.12	0.55	203	8.4
1221	CT 211	1595	5.35	40.9	9.2	112	1.13	0.56	187	7.9
1222	CT 210	1539	5.50	41.1	9.4	109	1.13	0.56	191	7.9
1226	GA 98084	1513	5.80	40.2	11.2	120	1.17	0.57	192	6.8
1169	FIBERMAX 958	1499	5.90	41.3	10.0	122	1.17	0.55	192	6.3
1228	JAJO 0157	1493	5.15	42.7	9.7	119	1.19	0.56	207	7.5
1227	JAJO 0065	1489	5.80	40.2	10.5	118	1.15	0.56	195	7.4
1104	SG 747	1484	5.65	42.9	10.2	105	1.14	0.55	173	9.3
1220	AR 9101-91-09	1482	5.80	40.6	11.4	121	1.12	0.55	202	7.9
1203	JAJO 8192	1481	5.65	41.1	10.6	120	1.16	0.55	196	9.5
1208	STV 580	1473	5.55	40.5	9.8	107	1.14	0.56	202	8.9

1201	DPL 491	1466	6.05	43.0	10.0	116	1.21	0.56	200	6.7
1117	FIBERMAX 832	1435	6.75	39.0	11.2	142	1.18	0.56	212	7.0
1140	DELTA PEARL	1418	5.45	40.8	9.7	118	1.19	0.56	205	7.5
1230	TAM 96 WD-18	1343	6.00	37.3	12.1	132	1.21	0.58	228	9.3
1128	ACALA 1517-99	1315	5.50	37.6	11.1	139	1.21	0.58	228	7.0
1164	ACALA ULTIMA	908	5.90	42.1	12.7	148	1.21	0.59	259	6.8
.	LSD	230	0.45	2.0	1.3	9	0.02	0.02	18	1.0

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1224	DP 555 R/R	4.60	1.10	83.2	28.0	7.5	61.5	7.1	4.80	2287	16.99	3.87
1158	PSC 355	5.05	1.10	83.7	31.0	8.8	57.5	6.8	5.00	2639	19.59	3.70
1175	FIBERMAX 966	4.90	1.15	84.1	34.5	7.7	59.5	7.0	4.90	2509	20.85	3.58
1196	STV 4892 BR	4.95	1.10	84.2	29.5	8.6	61.0	7.4	5.20	2387	18.85	3.57
1229	SG 00W12	4.60	1.20	84.3	29.0	8.9	62.5	7.7	4.75	2538	17.34	3.52
1223	DP 493	4.60	1.15	83.7	31.0	7.6	61.5	6.4	4.80	2138	18.86	3.87
1225	GA 98028	4.70	1.20	84.2	31.5	8.0	59.5	7.4	4.65	2459	19.47	3.84
1152	DPL 458 BG/RR	5.05	1.10	83.3	30.0	8.1	61.0	7.0	5.10	2373	18.03	3.42
1221	CT 211	4.95	1.15	83.9	29.5	8.7	61.5	7.5	5.25	2354	19.67	3.48
1222	CT 210	4.95	1.10	82.8	29.5	7.9	62.0	7.4	5.10	2284	19.71	3.71
1226	GA 98084	4.60	1.15	83.7	29.5	7.8	61.5	7.8	4.75	2336	20.14	3.63
1169	FIBERMAX 958	4.80	1.20	83.2	30.5	7.5	60.0	6.8	4.85	2336	17.61	3.36
1228	JAJO 0157	4.35	1.20	83.9	29.0	8.8	64.0	8.2	4.45	2190	16.61	3.61
1227	JAJO 0065	4.80	1.10	83.6	28.5	8.8	65.0	7.6	4.85	2566	19.58	3.88
1104	SG 747	4.95	1.15	84.5	26.5	8.3	62.5	7.9	4.95	2016	17.41	3.71
1220	AR 9101-91-09	4.85	1.10	83.0	30.5	8.0	58.5	7.1	4.95	2305	20.19	3.82
1203	JAJO 8192	4.80	1.20	84.6	29.0	9.1	62.0	7.6	4.80	2332	19.04	3.70
1208	STV 580	4.95	1.10	83.2	27.5	8.1	63.0	7.7	4.95	2267	18.37	3.38
1201	DPL 491	4.45	1.20	84.1	29.5	7.6	62.5	7.7	4.55	1749	17.65	3.79
1117	FIBERMAX 832	4.50	1.20	85.1	34.0	7.9	61.5	6.8	4.45	2414	20.27	3.81
1140	DELTA PEARL	4.80	1.20	82.9	30.5	7.5	63.5	7.0	4.75	2244	18.15	3.86
1230	TAM 96 WD-18	4.35	1.20	84.7	30.5	8.3	64.0	7.5	4.40	2412	20.55	3.56
1128	ACALA 1517-99	4.30	1.20	83.9	33.0	8.0	58.5	7.2	4.25	2345	19.99	3.67
1164	ACALA ULTIMA	4.10	1.20	86.1	37.0	8.0	62.0	7.6	4.15	1218	20.92	3.98
.	LSD	0.35	0.07	1.4	1.8	0.5	5.2	1.0	0.24	666	1.25	0.37

VARIETY		---GOSSYPOL LEVELS--- PLUS (+)	MINUS (-)	TOTAL (%)	----------AREALOMETER DATA---------- A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.61	0.46	1.07	407	17.0	1.48	94	45.62	4.34	3.2
1158	PSC 355	0.91	0.57	1.48	397	24.8	1.65	88	52.28	5.10	3.1
1175	FIBERMAX 966	0.58	0.51	1.09	405	18.0	1.51	93	46.73	4.47	3.2
1196	STV 4892 BR	0.99	0.68	1.66	387	22.5	1.61	89	52.20	5.22	3.2
1229	SG 00W12	0.81	0.64	1.44	418	25.3	1.66	87	49.82	4.60	3.0
1223	DP 493	0.44	0.41	0.85	407	16.0	1.46	95	45.12	4.31	3.2
1225	GA 98028	0.82	0.63	1.45	432	23.0	1.62	89	47.06	4.21	2.9
1152	DPL 458 BG/RR	0.71	0.55	1.26	380	18.8	1.52	93	50.34	5.13	3.4
1221	CT 211	0.82	0.60	1.42	384	13.0	1.39	98	45.29	4.56	3.5
1222	CT 210	0.78	0.60	1.37	375	18.5	1.52	93	50.72	5.23	3.4
1226	GA 98084	0.82	0.60	1.42	409	23.0	1.62	89	49.66	4.70	3.1
1169	FIBERMAX 958	0.50	0.47	0.97	388	16.3	1.46	95	47.23	4.71	3.4
1228	JAJO 0157	0.85	0.49	1.33	441	19.8	1.55	92	43.99	3.86	2.9
1227	JAJO 0065	0.81	0.52	1.33	403	20.5	1.57	91	48.71	4.68	3.1
1104	SG 747	0.70	0.56	1.26	390	20.5	1.56	91	50.33	4.99	3.2
1220	AR 9101-91-09	0.66	0.56	1.22	389	12.0	1.36	99	43.83	4.36	3.5
1203	JAJO 8192	0.82	0.51	1.33	407	24.3	1.65	88	50.70	4.82	3.0
1208	STV 580	0.81	0.62	1.43	398	21.5	1.59	90	49.97	4.85	3.2
1201	DPL 491	0.75	0.63	1.38	433	19.5	1.54	92	44.75	4.01	2.9
1117	FIBERMAX 832	0.53	0.46	0.99	432	14.0	1.41	97	40.95	3.67	3.1
1140	DELTA PEARL	0.63	0.48	1.11	408	17.3	1.49	94	45.66	4.33	3.2
1230	TAM 96 WD-18	0.75	0.52	1.27	441	27.8	1.70	86	48.24	4.21	2.8
1128	ACALA 1517-99	0.71	0.53	1.24	447	14.3	1.42	97	39.73	3.44	3.0
1164	ACALA ULTIMA	0.51	0.43	0.94	445	23.3	1.63	89	45.86	4.00	2.8
.	LSD	0.07	0.07	0.11	28.1	10.1	0.22	8	5.36	0.53	0.3

STONEVILLE, MS

VARIETY		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 (%)
1223	DP 493	1473	4.91	43.0	8.1	124	1.11	0.54	221	6.6
1220	AR 9101-91-09	1458	5.53	39.2	10.6	135	1.10	0.55	226	6.8
1104	SG 747	1381	4.99	39.3	9.6	107	1.10	0.58	183	9.0
1224	DP 555 R/R	1342	4.70	41.1	8.0	130	1.10	0.54	207	5.7
1196	STV 4892 BR	1338	4.87	38.1	10.0	128	1.09	0.58	216	8.9
1140	DELTA PEARL	1336	5.15	38.4	8.8	139	1.16	0.55	211	6.2
1227	JAJO 0065	1323	5.15	40.2	9.9	130	1.10	0.57	204	7.8
1208	STV 580	1311	4.81	36.7	9.4	123	1.12	0.57	231	9.0
1203	JAJO 8192	1305	5.14	38.9	9.6	137	1.15	0.60	202	8.7
1229	SG 00W12	1305	5.42	39.4	9.6	142	1.13	0.60	205	9.9
1228	JAJO 0157	1284	4.96	40.5	8.7	134	1.18	0.60	217	8.4
1175	FIBERMAX 966	1247	6.09	39.1	11.2	140	1.12	0.56	238	4.7
1201	DPL 491	1245	5.57	40.9	9.5	131	1.17	0.56	212	6.0
1158	PSC 355	1231	4.81	39.6	9.4	124	1.08	0.56	203	9.2
1225	GA 98028	1223	5.26	36.8	10.1	142	1.16	0.59	215	7.4
1152	DPL 458 BG/RR	1212	4.69	37.7	8.4	126	1.09	0.52	208	7.4
1221	CT 211	1204	5.18	36.1	8.4	127	1.09	0.53	204	7.1
1169	FIBERMAX 958	1164	6.04	39.1	10.8	142	1.11	0.52	221	5.2
1117	FIBERMAX 832	1150	6.40	36.8	10.8	162	1.18	0.58	240	6.0
1230	TAM 96 WD-18	1022	6.39	36.0	11.5	153	1.20	0.62	249	8.9
1128	ACALA 1517-99	965	5.05	36.6	10.5	162	1.19	0.58	257	7.2
1226	GA 98084	950	6.00	36.1	10.2	134	1.13	0.58	219	7.7
1222	CT 210	931	4.61	36.9	8.7	121	1.09	0.55	200	6.8
1164	ACALA ULTIMA	649	4.38	41.0	11.1	167	1.22	0.63	272	6.3
.	LSD	177	0.85	1.6	0.6	9	0.04	0.04	17	0.9

VARIETY		MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1223	DP 493	5.00	1.10	83.1	33.0	7.9	76.5	9.1	5.20	1909	15.84	3.54
1220	AR 9101-91-09	4.95	1.10	82.6	35.0	8.7	74.5	9.6	5.10	2023	21.07	3.64

1104	SG 747	5.25	1.10	83.4	30.0	8.4	73.0	10.0	5.45	2067	18.37	3.54
1224	DP 555 R/R	4.70	1.10	82.3	32.5	7.8	76.0	8.8	4.75	1980	16.47	3.74
1196	STV 4892 BR	5.20	1.10	83.7	32.5	8.3	73.5	9.9	5.40	2195	20.21	3.30
1140	DELTA PEARL	4.75	1.20	83.6	33.0	7.7	75.5	8.5	4.85	2104	18.14	3.47
1227	JAJO 0065	4.60	1.10	83.4	32.0	9.0	75.0	9.6	4.70	2080	17.28	3.48
1208	STV 580	4.75	1.10	83.2	33.0	8.1	76.5	9.9	4.70	2147	19.02	3.25
1203	JAJO 8192	4.55	1.10	84.4	32.0	8.9	76.0	9.9	4.75	2164	20.50	3.55
1229	SG 00W12	4.50	1.15	84.3	32.5	8.6	73.0	9.7	4.70	1841	19.24	3.36
1228	JAJO 0157	4.35	1.20	83.7	33.5	8.6	75.0	9.9	4.40	1755	17.11	3.67
1175	FIBERMAX 966	4.80	1.10	83.4	38.5	7.6	75.5	8.7	4.90	1861	20.70	3.50
1201	DPL 491	4.35	1.20	83.5	32.5	7.8	73.5	9.2	4.60	1824	17.10	3.41
1158	PSC 355	5.00	1.10	82.8	33.0	8.8	71.5	10.0	5.05	2014	19.86	3.77
1225	GA 98028	4.45	1.15	83.6	33.5	8.4	75.0	9.7	4.30	1992	19.69	3.51
1152	DPL 458 BG/RR	4.95	1.10	82.7	32.5	8.3	74.5	9.3	5.00	1757	18.94	3.06
1221	CT 211	4.70	1.10	82.2	34.0	8.4	74.5	8.5	4.75	2100	19.26	3.20
1169	FIBERMAX 958	5.05	1.10	81.8	34.0	7.4	74.5	8.8	5.10	1654	19.70	3.44
1117	FIBERMAX 832	4.35	1.20	83.7	36.0	7.8	77.0	8.9	4.35	1905	19.09	3.61
1230	TAM 96 WD-18	4.25	1.20	84.4	34.0	8.0	75.0	9.7	4.35	1767	19.03	3.97
1128	ACALA 1517-99	4.35	1.20	84.6	37.0	8.6	74.5	9.7	4.35	1604	20.38	3.88
1226	GA 98084	4.60	1.10	83.6	34.5	8.5	73.5	9.6	4.65	1543	19.30	3.46
1222	CT 210	5.00	1.10	82.4	33.0	8.5	75.0	9.4	5.10	1506	20.58	3.04
1164	ACALA ULTIMA	4.00	1.20	85.0	39.5	7.8	75.0	9.3	4.00	834	19.57	3.99
.	LSD	0.42	0.04	1.2	2.0	0.4	2.1	0.6	0.31	434	1.47	0.26

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1223	DP 493	0.52	0.43	0.95	359	15.0	1.43	96	50.13	5.40	3.7
1220	AR 9101-91-09	0.75	0.62	1.36	374	9.0	1.28	101	42.92	4.44	3.7
1104	SG 747	0.68	0.54	1.23	370	19.0	1.53	93	51.94	5.44	3.5
1224	DP 555 R/R	0.59	0.42	1.01	416	23.3	1.62	89	48.92	4.54	3.0
1196	STV 4892 BR	1.12	0.74	1.86	369	19.0	1.53	93	52.02	5.46	3.5
1140	DELTA PEARL	0.70	0.52	1.22	408	18.8	1.53	93	46.85	4.45	3.1
1227	JAJO 0065	0.87	0.50	1.37	407	23.0	1.62	89	49.91	4.75	3.1
1208	STV 580	0.92	0.67	1.59	418	24.3	1.65	88	49.38	4.56	3.0
1203	JAJO 8192	0.93	0.55	1.48	414	20.0	1.55	91	47.14	4.41	3.1
1229	SG 00W12	0.87	0.69	1.56	434	26.5	1.69	86	48.91	4.35	2.8

1228	JAJO 0157	0.94	0.50	1.44	439	23.8	1.64	88	46.84	4.14	2.9
1175	FIBERMAX 966	0.51	0.46	0.97	389	11.5	1.35	99	43.43	4.32	3.5
1201	DPL 491	0.74	0.64	1.37	435	17.8	1.50	93	43.32	3.86	2.9
1158	PSC 355	0.84	0.48	1.32	399	21.0	1.58	90	49.59	4.82	3.2
1225	GA 98028	0.90	0.67	1.56	431	21.8	1.59	90	46.41	4.17	2.9
1152	DPL 458 BG/RR	0.79	0.58	1.37	407	23.8	1.63	88	50.33	4.78	3.0
1221	CT 211	0.94	0.66	1.60	413	22.0	1.60	90	48.52	4.56	3.1
1169	FIBERMAX 958	0.45	0.47	0.92	384	12.0	1.36	99	44.27	4.46	3.5
1117	FIBERMAX 832	0.54	0.43	0.97	436	17.0	1.48	94	42.69	3.80	3.0
1230	TAM 96 WD-18	0.69	0.42	1.11	447	20.5	1.56	91	44.02	3.82	2.8
1128	ACALA 1517-99	0.68	0.49	1.17	436	17.0	1.49	94	42.78	3.81	3.0
1226	GA 98084	0.83	0.57	1.39	421	21.5	1.59	90	47.20	4.33	3.0
1222	CT 210	0.88	0.63	1.51	389	18.8	1.53	93	49.09	4.88	3.3
1164	ACALA ULTIMA	0.58	0.48	1.06	461	20.0	1.55	92	42.38	3.57	2.7
.	LSD	0.09	0.09	0.16	23.8	5.8	0.13	5	4.90	0.63	0.2

KEISER, AR

VARIETY		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 (%)
1223	DP 493	977	3.88	44.3	7.4	129	1.18	0.54	195	6.4
1224	DP 555 R/R	780	3.55	41.0	7.5	130	1.15	0.54	197	6.2
1201	DPL 491	775	4.31	40.6	9.1	138	1.21	0.57	214	6.9
1104	SG 747	772	3.90	36.3	9.5	123	1.14	0.55	181	9.2
1175	FIBERMAX 966	746	4.97	37.9	10.2	168	1.19	0.57	255	5.2
1221	CT 211	722	3.35	35.2	7.8	140	1.13	0.55	209	8.3
1152	DPL 458 BG/RR	705	3.48	39.3	7.4	130	1.12	0.51	202	7.7
1196	STV 4892 BR	685	4.06	36.3	9.1	131	1.11	0.55	186	7.5
1117	FIBERMAX 832	682	4.76	38.0	9.8	156	1.26	0.59	237	7.7
1169	FIBERMAX 958	671	4.07	39.4	10.2	150	1.20	0.56	225	6.1
1208	STV 580	664	4.36	34.3	8.8	133	1.15	0.55	195	7.8

1128	ACALA 1517-99	652	4.21	33.7	9.7	148	1.23	0.57	248	6.8
1203	JAJO 8192	623	3.87	34.3	9.2	143	1.21	0.55	207	9.3
1222	CT 210	613	3.43	35.9	7.6	134	1.12	0.55	219	8.3
1140	DELTA PEARL	608	3.98	39.8	8.2	134	1.19	0.57	201	5.9
1158	PSC 355	601	3.34	36.1	9.1	134	1.16	0.55	194	8.6
1226	GA 98084	575	3.82	33.8	9.5	145	1.17	0.54	223	7.4
1227	JAJO 0065	528	3.07	37.0	8.5	139	1.16	0.57	210	8.3
1229	SG 00W12	514	4.15	36.9	9.1	143	1.19	0.56	207	8.2
1225	GA 98028	458	4.55	34.1	9.6	147	1.21	0.58	228	7.5
1228	JAJO 0157	439	2.92	37.4	8.0	140	1.23	0.56	225	8.4
1220	AR 9101-91-09	437	3.54	37.6	9.0	139	1.13	0.56	217	7.8
1230	TAM 96 WD-18	371	4.22	33.7	11.2	154	1.24	0.58	229	6.8
1164	ACALA ULTIMA	306	3.60	39.3	11.0	164	1.24	0.59	260	6.4
.	LSD	205	0.83	2.8	0.9	9	0.05	0.03	16	1.1

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-	2.5%	UNIFO-	STRE-		COLORIMETER		MICRO-	SEED		NITR
		NAIRE	S.L.	MITY	NGTH		HUNTER'S		NAIRE	YIELD	OIL	OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1223	DP 493	4.10	1.15	83.1	30.0	7.4	76.5	6.7	4.15	1221	14.88	3.39
1224	DP 555 R/R	3.70	1.15	82.9	30.0	6.8	74.5	8.0	3.90	1048	15.32	3.60
1201	DPL 491	4.15	1.20	84.5	33.0	7.8	73.5	8.6	4.30	1034	18.11	3.72
1104	SG 747	3.55	1.10	84.4	26.0	7.8	71.0	8.6	3.70	1288	15.37	3.43
1175	FIBERMAX 966	3.60	1.20	85.2	37.0	7.6	74.5	8.4	3.90	1065	18.73	3.59
1221	CT 211	3.40	1.10	83.1	30.0	7.8	76.0	8.4	3.50	1205	17.81	3.22
1152	DPL 458 BG/RR	3.85	1.10	82.6	30.0	7.7	76.0	8.0	3.80	631	16.25	3.15
1196	STV 4892 BR	3.75	1.10	83.3	29.5	7.5	73.0	9.1	3.75	1166	14.65	3.33
1117	FIBERMAX 832	3.50	1.20	84.7	33.0	7.6	74.5	7.5	3.65	1237	21.09	3.40
1169	FIBERMAX 958	4.00	1.20	84.3	32.0	7.4	75.0	8.3	4.25	986	18.81	3.17
1208	STV 580	3.45	1.15	83.6	30.0	7.8	74.0	8.4	3.65	1527	15.52	3.31
1128	ACALA 1517-99	3.50	1.20	83.9	33.5	7.8	72.0	7.3	3.65	1202	19.46	3.71
1203	JAJO 8192	3.10	1.20	84.4	30.0	8.2	74.0	6.8	3.10	1216	17.10	3.33
1222	CT 210	3.35	1.10	81.8	31.0	7.8	76.0	8.4	3.55	1182	17.16	3.41
1140	DELTA PEARL	4.30	1.20	83.4	29.0	7.2	77.5	7.2	4.40	1015	16.30	3.70
1158	PSC 355	4.35	1.15	84.0	30.0	8.8	72.0	7.4	4.25	974	18.30	3.68
1226	GA 98084	3.25	1.20	83.6	31.5	7.5	72.5	8.8	3.40	953	16.98	3.53
1227	JAJO 0065	3.20	1.10	83.8	29.5	8.2	74.0	5.7	3.40	955	14.73	3.66

1229	SG 00W12	3.45	1.15	84.8	29.5	8.3	72.0	8.7	3.60	971	15.36	3.41
1225	GA 98028	3.65	1.20	84.9	31.5	7.9	73.0	7.9	3.80	1024	18.76	3.70
1228	JAJO 0157	2.95	1.20	84.3	31.5	7.9	74.0	9.0	3.00	785	13.23	3.44
1220	AR 9101-91-09	3.55	1.10	82.9	30.5	7.6	73.0	8.0	3.65	735	18.41	3.83
1230	TAM 96 WD-18	3.30	1.25	85.8	32.5	7.8	71.5	8.1	3.60	705	17.49	3.77
1164	ACALA ULTIMA	3.25	1.20	85.6	36.0	7.5	74.0	8.7	3.25	282	18.04	3.78
.	LSD	0.72	0.07	1.7	1.6	0.5	2.9	2.1	0.57	510	1.10	0.32

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1223	DP 493	0.44	0.36	0.79	497	36.3	1.88	79	47.56	3.70	2.4
1224	DP 555 R/R	0.62	0.43	1.05	521	31.0	1.77	83	42.68	3.20	2.4
1201	DPL 491	0.73	0.56	1.28	478	28.0	1.72	85	45.13	3.65	2.6
1104	SG 747	0.65	0.51	1.16	510	39.8	1.95	76	47.99	3.64	2.4
1175	FIBERMAX 966	0.56	0.47	1.03	487	25.0	1.66	87	42.82	3.40	2.6
1221	CT 211	0.67	0.50	1.17	558	41.0	1.96	76	43.88	3.05	2.1
1152	DPL 458 BG/RR	0.66	0.46	1.12	514	47.0	2.08	72	50.63	3.81	2.3
1196	STV 4892 BR	0.92	0.59	1.51	530	59.0	2.27	64	53.87	3.95	2.2
1117	FIBERMAX 832	0.58	0.46	1.04	522	32.3	1.81	82	43.51	3.23	2.3
1169	FIBERMAX 958	0.49	0.51	1.00	454	16.5	1.47	95	40.53	3.46	2.9
1208	STV 580	0.77	0.59	1.35	511	38.8	1.93	77	47.50	3.61	2.3
1128	ACALA 1517-99	0.70	0.48	1.17	495	25.3	1.67	87	42.26	3.30	2.5
1203	JAJO 8192	0.84	0.52	1.36	590	54.3	2.19	67	46.53	3.09	2.0
1222	CT 210	0.70	0.48	1.18	560	41.8	1.97	75	44.15	3.07	2.2
1140	DELTA PEARL	0.64	0.46	1.10	448	22.0	1.60	90	44.76	3.87	2.8
1158	PSC 355	0.89	0.54	1.43	479	34.5	1.85	80	48.58	3.96	2.5
1226	GA 98084	0.71	0.51	1.22	557	40.8	1.96	76	44.18	3.07	2.1
1227	JAJO 0065	0.67	0.37	1.04	584	51.0	2.14	69	46.04	3.05	2.0
1229	SG 00W12	0.76	0.60	1.36	510	41.8	1.98	75	48.80	3.71	2.4
1225	GA 98028	0.82	0.61	1.43	508	31.5	1.79	82	44.37	3.38	2.4
1228	JAJO 0157	0.76	0.42	1.16	585	41.8	1.98	75	42.56	2.81	2.0
1220	AR 9101-91-09	0.63	0.50	1.13	509	30.0	1.76	83	43.48	3.31	2.4
1230	TAM 96 WD-18	0.71	0.44	1.15	512	29.8	1.76	83	43.11	3.26	2.4
1164	ACALA ULTIMA	0.55	0.47	1.01	574	31.5	1.79	82	39.19	2.64	2.1
.	LSD	0.09	0.09	0.17	73.9	16.9	0.31	12	4.00	0.58	0.4

TIFTON, GA

VARIETY		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 (%)
1224	DP 555 R/R	1887	5.51	43.2	6.0	133	1.19	0.57	209	6.6
1158	PSC 355	1885	5.34	39.6	5.0	129	1.14	0.56	213	8.2
1223	DP 493	1861	4.99	44.3	6.0	132	1.17	0.56	213	7.0
1152	DPL 458 BG/RR	1817	5.00	40.2	3.5	111	1.12	0.55	187	8.9
1225	GA 98028	1806	5.22	40.0	4.5	134	1.13	0.56	206	7.7
1175	FIBERMAX 966	1725	6.42	40.9	5.5	134	1.14	0.56	215	6.1
1221	CT 211	1716	5.58	41.5	6.5	114	1.13	0.54	181	8.2
1229	SG 00W12	1712	4.90	42.9	5.0	123	1.16	0.56	204	8.5
1196	STV 4892 BR	1673	5.65	41.8	4.5	135	1.14	0.56	211	6.5
1169	FIBERMAX 958	1665	5.86	42.4	6.5	135	1.20	0.57	222	6.5
1227	JAJO 0065	1660	5.56	42.4	6.0	120	1.12	0.56	187	7.6
1203	JAJO 8192	1651	5.41	40.9	4.0	121	1.14	0.56	185	8.8
1201	DPL 491	1645	5.20	44.6	5.0	141	1.22	0.56	222	7.7
1226	GA 98084	1636	5.69	39.0	3.0	131	1.13	0.55	204	8.3
1117	FIBERMAX 832	1619	6.07	39.7	6.0	154	1.22	0.58	223	7.4
1220	AR 9101-91-09	1617	5.38	40.0	4.5	136	1.17	0.56	206	7.9
1140	DELTA PEARL	1612	5.04	41.2	6.0	138	1.19	0.54	213	7.7
1222	CT 210	1558	5.16	40.3	5.0	116	1.11	0.52	191	9.9
1228	JAJO 0157	1450	5.02	41.6	4.0	120	1.13	0.56	194	8.2
1208	STV 580	1392	5.17	39.5	3.5	118	1.12	0.55	201	9.2
1230	TAM 96 WD-18	1325	6.05	40.7	6.0	137	1.17	0.55	214	8.3
1104	SG 747	1200	4.83	40.6	4.0	114	1.14	0.56	181	8.3
1128	ACALA 1517-99	1187	5.18	39.9	4.5	142	1.18	0.57	216	7.8
1164	ACALA ULTIMA	367	4.95	39.9	4.5	147	1.22	0.57	255	7.4
.	LSD	325	1.08	2.5	2.9	14	0.04	0.03	22	1.2

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

VARIETY		MICRO-NAIRE (reading)	2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1224	DP 555 R/R	4.50	1.20	84.0	33.5	7.8	79.5	8.0	4.65	2479	16.80	3.47
1158	PSC 355	5.00	1.10	84.3	33.5	9.8	72.5	8.5	5.15	2879	21.33	3.19
1223	DP 493	4.45	1.20	83.0	33.5	8.2	77.0	8.0	4.65	2332	16.98	3.24
1152	DPL 458 BG/RR	4.95	1.10	82.6	30.0	8.3	75.0	8.0	5.00	2702	17.76	2.99
1225	GA 98028	4.50	1.10	82.6	34.0	8.7	73.5	8.5	4.50	2714	20.48	3.32
1175	FIBERMAX 966	4.65	1.10	83.7	34.5	8.7	74.5	8.5	4.80	2504	18.60	3.28
1221	CT 211	4.80	1.10	82.0	30.0	8.6	76.0	8.0	5.05	2422	20.64	3.09
1229	SG 00W12	4.85	1.15	83.7	31.0	8.9	67.0	8.5	4.90	2281	19.26	3.10
1196	STV 4892 BR	4.60	1.10	83.4	32.5	8.2	74.0	8.5	4.80	2339	20.42	3.23
1169	FIBERMAX 958	4.40	1.20	82.9	34.5	7.9	73.0	8.5	4.45	2265	19.81	3.27
1227	JAJO 0065	4.60	1.10	82.5	30.0	8.9	74.0	9.0	5.05	2261	20.16	3.30
1203	JAJO 8192	4.65	1.10	83.6	29.5	8.7	73.5	9.0	4.85	2379	19.97	3.02
1201	DPL 491	4.45	1.20	84.1	35.5	8.1	75.0	8.0	4.65	2067	17.74	3.25
1226	GA 98084	4.45	1.10	82.7	33.0	8.7	73.0	8.5	4.60	2557	18.91	2.98
1117	FIBERMAX 832	4.25	1.20	84.9	35.0	8.0	76.5	8.0	4.25	2466	20.92	3.35
1220	AR 9101-91-09	4.40	1.10	83.7	33.5	8.8	75.5	8.0	4.60	2431	21.19	3.16
1140	DELTA PEARL	4.65	1.20	83.6	33.0	7.9	78.0	7.5	4.85	2300	17.47	3.47
1222	CT 210	4.65	1.10	82.0	31.5	8.8	75.5	8.5	4.70	2308	18.37	3.02
1228	JAJO 0157	4.70	1.15	83.1	30.5	8.9	73.0	9.5	4.80	2034	17.42	3.05
1208	STV 580	4.95	1.10	83.1	30.0	9.2	73.0	8.5	5.10	2120	19.60	3.03
1230	TAM 96 WD-18	4.55	1.20	83.4	31.0	8.6	71.0	7.5	4.85	1933	22.63	3.48
1104	SG 747	4.95	1.10	83.2	29.0	8.7	73.5	9.0	4.95	1758	19.30	3.08
1128	ACALA 1517-99	4.30	1.20	83.4	33.0	8.3	72.0	8.5	4.50	1790	20.28	3.40
1164	ACALA ULTIMA	3.90	1.20	84.1	36.0	7.6	73.0	8.5	3.95	550	19.37	3.90
.	LSD	0.33	0.04	1.4	2.9	0.6	5.4	1.3	0.42	465	1.34	0.30

VARIETY		GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1224	DP 555 R/R	0.63	0.49	1.12	418	22.5	1.61	89	48.32	4.47	3.0
1158	PSC 355	0.97	0.61	1.58	402	27.0	1.70	86	53.22	5.13	3.1
1223	DP 493	0.57	0.49	1.06	424	22.5	1.61	89	47.59	4.36	3.0
1152	DPL 458 BG/RR	0.77	0.62	1.39	405	20.5	1.56	91	48.29	4.61	3.1

1225	GA 98028	0.94	0.75	1.69	421	25.5	1.67	87	49.85	4.58	3.0
1175	FIBERMAX 966	0.84	0.65	1.49	394	16.3	1.46	95	46.60	4.58	3.3
1221	CT 211	0.98	0.75	1.73	398	21.8	1.59	90	50.19	4.90	3.2
1229	SG 00W12	0.88	0.70	1.58	393	22.0	1.60	90	50.97	5.02	3.2
1196	STV 4892 BR	0.80	0.63	1.43	411	18.8	1.52	92	46.76	4.44	3.1
1169	FIBERMAX 958	0.51	0.56	1.08	407	12.3	1.36	98	41.98	3.98	3.3
1227	JAJO 0065	0.86	0.55	1.40	392	18.8	1.52	93	48.69	4.80	3.3
1203	JAJO 8192	0.96	0.60	1.55	417	19.5	1.54	92	46.43	4.31	3.1
1201	DPL 491	0.76	0.66	1.42	428	24.3	1.65	88	48.29	4.37	2.9
1226	GA 98084	0.88	0.62	1.50	406	19.8	1.55	92	47.83	4.56	3.1
1117	FIBERMAX 832	0.59	0.51	1.10	454	20.3	1.56	92	43.03	3.67	2.8
1220	AR 9101-91-09	0.82	0.69	1.50	418	21.8	1.59	90	47.66	4.41	3.0
1140	DELTA PEARL	0.68	0.52	1.19	399	23.3	1.63	89	51.10	4.95	3.1
1222	CT 210	0.86	0.69	1.55	408	18.0	1.51	93	46.70	4.49	3.2
1228	JAJO 0157	0.97	0.57	1.57	414	24.5	1.65	88	50.03	4.67	3.0
1208	STV 580	0.89	0.68	1.58	389	19.0	1.53	92	49.37	4.91	3.3
1230	TAM 96 WD-18	0.74	0.53	1.26	418	25.5	1.67	87	50.26	4.66	3.0
1104	SG 747	0.79	0.63	1.42	385	24.3	1.64	88	53.66	5.40	3.2
1128	ACALA 1517-99	0.77	0.57	1.34	421	15.8	1.45	95	43.36	3.98	3.1
1164	ACALA ULTIMA	0.56	0.47	1.02	491	22.3	1.61	90	40.97	3.23	2.6
.	LSD	0.19	0.19	0.27	36.8	8.0	0.18	7	5.32	0.75	0.4

FLORENCE, SC

VARIETY		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 (%)
1201	DPL 491	553	4.65	44.2	8.7	125	1.13	0.57	222	7.5
1227	JAJO 0065	509	4.47	44.3	8.0	121	1.08	0.59	204	8.8
1224	DP 555 R/R	507	4.29	44.8	7.4	104	1.09	0.57	187	7.4
1228	JAJO 0157	486	5.04	39.6	9.9	126	1.12	0.60	219	8.6
1169	FIBERMAX 958	465	4.11	41.1	9.8	123	1.12	0.57	206	5.9

1223	DP 493	454	4.22	42.1	8.0	114	1.09	0.56	183	7.8
1152	DPL 458 BG/RR	416	5.15	41.5	10.6	119	1.09	0.58	189	8.9
1158	PSC 355	409	4.90	42.2	9.7	121	1.05	0.57	209	9.3
1220	AR 9101-91-09	409	4.04	38.9	8.2	126	1.05	0.56	209	8.8
1226	GA 98084	408	4.31	40.2	8.3	128	1.06	0.57	218	7.7
1203	JAJO 8192	402	4.79	37.8	10.0	127	1.10	0.60	207	9.7
1222	CT 210	401	5.28	40.4	10.6	117	1.07	0.58	196	9.3
1140	DELTA PEARL	396	4.91	42.0	10.1	129	1.10	0.56	191	7.9
1225	GA 98028	389	4.48	39.7	8.5	136	1.09	0.57	211	7.8
1104	SG 747	382	4.30	41.8	9.2	106	1.06	0.57	177	9.4
1230	TAM 96 WD-18	380	4.42	39.8	8.8	133	1.13	0.59	230	8.5
1221	CT 211	371	4.60	41.9	9.9	117	1.07	0.57	205	8.9
1229	SG 00W12	369	4.52	40.7	9.5	123	1.07	0.59	204	8.9
1128	ACALA 1517-99	360	4.66	38.4	10.6	148	1.17	0.61	247	8.4
1208	STV 580	354	4.67	41.3	8.9	116	1.06	0.56	202	9.4
1117	FIBERMAX 832	349	4.52	41.9	9.0	142	1.16	0.61	223	7.2
1175	FIBERMAX 966	293	4.47	40.9	10.1	148	1.12	0.59	221	6.0
1196	STV 4892 BR	293	5.30	38.8	11.4	116	1.03	0.56	195	7.3
1164	ACALA ULTIMA	261	4.40	39.4	12.3	167	1.19	0.64	270	7.0
.	LSD	107	0.35	1.1	0.4	8	0.04	0.03	21	1.1

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1201	DPL 491	5.30	1.10	82.6	34.5	8.7	69.5	12.0	5.50	698	18.48	3.90
1227	JAJO 0065	5.25	1.00	82.6	33.0	9.3	71.0	12.0	5.60	640	19.05	4.05
1224	DP 555 R/R	5.10	1.05	82.3	30.0	7.8	71.5	11.0	5.35	622	17.21	4.21
1228	JAJO 0157	4.85	1.10	84.0	34.5	9.4	68.5	11.5	5.15	738	18.97	3.98
1169	FIBERMAX 958	5.40	1.10	83.1	36.0	7.6	72.0	12.0	5.45	669	19.78	3.92
1223	DP 493	5.50	1.05	82.5	32.5	8.4	72.0	11.5	5.60	621	16.98	4.16
1152	DPL 458 BG/RR	5.10	1.05	82.6	33.5	8.9	70.5	11.5	5.50	586	18.89	3.76
1158	PSC 355	5.15	1.05	83.8	35.0	9.6	68.0	11.5	5.30	559	18.75	4.01
1220	AR 9101-91-09	5.05	1.00	83.2	35.0	8.9	68.5	10.5	5.30	641	19.95	3.95
1226	GA 98084	5.05	1.05	83.5	35.0	8.8	69.5	12.0	5.25	607	19.14	3.95
1203	JAJO 8192	5.00	1.10	84.2	33.0	9.0	71.5	12.0	5.30	664	16.51	3.81
1222	CT 210	5.20	1.00	83.2	34.0	9.4	72.0	12.0	5.45	593	21.01	4.00

1140	DELTA PEARL	5.35	1.10	83.0	32.0	7.9	71.5	11.5	5.55	546	18.03	4.04
1225	GA 98028	5.00	1.05	82.5	34.5	8.7	67.0	11.5	5.25	587	18.60	3.93
1104	SG 747	5.50	1.00	83.3	30.5	8.9	68.0	12.0	5.65	534	16.57	3.75
1230	TAM 96 WD-18	4.80	1.10	83.6	37.0	9.0	71.0	12.0	4.90	578	20.60	4.22
1221	CT 211	5.30	1.00	83.3	34.5	9.3	70.0	11.5	5.60	512	21.15	3.88
1229	SG 00W12	5.25	1.00	83.3	33.0	9.4	62.0	11.5	5.35	537	16.79	3.79
1128	ACALA 1517-99	4.85	1.10	83.9	38.5	8.9	69.5	11.0	4.85	579	19.58	4.28
1208	STV 580	5.25	1.05	83.9	33.0	8.9	71.5	11.5	5.50	508	18.41	3.87
1117	FIBERMAX 832	5.10	1.10	83.4	37.0	8.7	70.0	11.0	5.25	484	19.52	3.99
1175	FIBERMAX 966	5.00	1.10	83.6	40.0	8.2	70.0	12.0	5.35	420	20.59	3.77
1196	STV 4892 BR	5.40	1.00	83.0	34.5	8.9	69.5	12.5	5.60	463	18.39	3.86
1164	ACALA ULTIMA	4.35	1.20	85.8	42.5	8.6	68.5	12.0	4.35	400	20.46	4.37
.	LSD	0.22	0.08	1.5	2.3	0.4	6.1	1.0	0.28	146	1.68	0.28

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1201	DPL 491	0.69	0.57	1.26	358	9.3	1.29	101	45.10	4.87	3.9
1227	JAJO 0065	0.74	0.44	1.18	355	9.0	1.28	102	45.25	4.94	3.9
1224	DP 555 R/R	0.53	0.38	0.91	359	5.8	1.19	106	41.48	4.47	4.0
1228	JAJO 0157	0.86	0.46	1.31	390	12.0	1.36	99	43.66	4.34	3.5
1169	FIBERMAX 958	0.47	0.48	0.94	355	7.5	1.24	103	43.69	4.77	4.0
1223	DP 493	0.48	0.37	0.84	359	12.3	1.37	98	47.71	5.14	3.7
1152	DPL 458 BG/RR	0.69	0.49	1.17	355	11.0	1.33	100	47.05	5.13	3.8
1158	PSC 355	0.75	0.45	1.19	362	9.0	1.28	102	44.31	4.74	3.8
1220	AR 9101-91-09	0.62	0.48	1.10	362	8.3	1.26	102	43.70	4.68	3.9
1226	GA 98084	0.74	0.49	1.23	380	8.0	1.25	103	41.40	4.22	3.7
1203	JAJO 8192	0.68	0.41	1.09	378	15.3	1.44	96	47.85	4.90	3.4
1222	CT 210	0.77	0.55	1.31	360	10.5	1.32	100	46.05	4.96	3.8
1140	DELTA PEARL	0.61	0.41	1.02	356	7.8	1.25	103	43.86	4.76	3.9
1225	GA 98028	0.78	0.56	1.33	377	12.3	1.36	99	45.45	4.67	3.6
1104	SG 747	0.54	0.42	0.95	363	12.8	1.38	98	47.69	5.09	3.6
1230	TAM 96 WD-18	0.66	0.40	1.06	405	12.8	1.37	98	42.47	4.05	3.3
1221	CT 211	0.83	0.58	1.41	351	7.0	1.22	104	43.70	4.81	4.1
1229	SG 00W12	0.77	0.57	1.35	367	7.0	1.22	104	41.79	4.41	3.9
1128	ACALA 1517-99	0.63	0.44	1.06	401	9.3	1.29	101	40.22	3.88	3.4
1208	STV 580	0.83	0.56	1.40	363	11.3	1.34	99	46.28	4.94	3.7

1117	FIBERMAX 832	0.52	0.41	0.93	369	9.0	1.28	101	43.49	4.56	3.7
1175	FIBERMAX 966	0.56	0.49	1.05	359	6.5	1.21	105	42.15	4.54	4.0
1196	STV 4892 BR	0.90	0.59	1.49	350	10.0	1.31	101	46.79	5.17	3.9
1164	ACALA ULTIMA	0.56	0.44	1.00	423	7.5	1.24	103	36.62	3.35	3.3
.	LSD	0.08	0.08	0.15	21.0	6.1	0.16	6	4.55	0.52	0.4

BELLE MINA, AL

VARIETY		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 (%)
1229	SG 00W12	757	4.80	40.5	10.6	146	1.20	0.56	214	9.2
1220	AR 9101-91-09	749	4.95	39.0	11.2	154	1.18	0.54	240	7.4
1201	DPL 491	744	5.10	42.0	10.3	144	1.19	0.54	232	7.7
1158	PSC 355	720	4.40	39.5	10.3	145	1.18	0.56	223	10.0
1223	DP 493	708	4.67	43.0	8.9	133	1.15	0.54	206	7.3
1227	JAJO 0065	675	5.18	43.0	9.7	142	1.15	0.55	215	7.0
1175	FIBERMAX 966	652	5.08	39.5	11.3	167	1.18	0.56	250	5.1
1104	SG 747	646	4.44	40.5	9.9	130	1.16	0.57	191	10.5
1228	JAJO 0157	638	4.70	42.5	9.8	147	1.21	0.55	224	8.8
1225	GA 98028	636	5.29	37.5	11.0	151	1.17	0.55	213	6.4
1117	FIBERMAX 832	636	5.86	39.0	10.8	165	1.19	0.56	228	7.5
1196	STV 4892 BR	634	4.38	40.5	10.1	137	1.14	0.54	193	7.7
1203	JAJO 8192	631	4.92	38.0	10.6	156	1.20	0.57	226	10.0
1208	STV 580	629	4.73	38.0	10.1	148	1.20	0.55	221	8.4
1152	DPL 458 BG/RR	618	4.26	40.5	8.9	139	1.14	0.55	224	8.8
1224	DP 555 R/R	611	4.38	43.5	8.5	128	1.15	0.54	195	7.1
1226	GA 98084	610	5.29	38.5	11.1	158	1.19	0.56	225	6.4
1140	DELTA PEARL	592	4.43	41.0	8.6	131	1.19	0.55	220	6.8
1169	FIBERMAX 958	568	5.07	39.0	10.9	156	1.18	0.55	219	6.7
1222	CT 210	566	4.52	39.5	10.3	132	1.15	0.55	212	8.3
1230	TAM 96 WD-18	562	5.63	37.5	12.4	150	1.21	0.57	215	7.8

1128	ACALA 1517-99	558	4.69	37.5	10.8	157	1.21	0.56	244	7.4
1221	CT 211	549	4.85	38.0	9.4	142	1.16	0.55	220	8.0
1164	ACALA ULTIMA	420	4.63	40.0	12.4	180	1.27	0.59	261	7.4
.	LSD	79	0.56	1.9	0.9	9	0.04	0.03	23	1.0

			SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)									
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITR OGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1229	SG 00W12	3.65	1.20	84.9	32.5	9.0	75.0	7.5	3.85	1193	14.50	3.55
1220	AR 9101-91-09	3.85	1.15	83.9	34.0	8.0	76.0	7.1	3.80	1151	17.85	3.75
1201	DPL 491	4.30	1.20	82.0	34.0	8.0	72.5	8.8	4.30	987	15.27	3.69
1158	PSC 355	4.35	1.15	83.8	35.5	9.1	72.5	9.1	4.25	1097	17.49	3.73
1223	DP 493	4.45	1.10	82.4	34.0	7.6	74.0	6.8	4.55	919	15.61	3.69
1227	JAJO 0065	4.50	1.10	82.9	33.0	8.9	74.0	9.0	4.50	867	16.20	3.74
1175	FIBERMAX 966	3.80	1.15	83.6	37.0	7.6	74.0	5.8	3.80	917	17.86	3.66
1104	SG 747	4.30	1.10	82.3	30.5	8.7	73.5	9.1	4.40	958	13.91	3.37
1228	JAJO 0157	4.25	1.20	83.5	34.5	9.0	74.0	8.6	4.25	843	14.61	3.65
1225	GA 98028	4.10	1.15	82.6	34.0	8.5	70.5	7.2	4.20	1009	17.58	3.78
1117	FIBERMAX 832	4.15	1.20	83.0	34.5	7.8	73.0	6.4	4.20	1038	17.52	3.70
1196	STV 4892 BR	4.10	1.10	82.7	33.0	8.1	73.5	8.4	4.10	893	15.46	3.77
1203	JAJO 8192	3.70	1.20	85.0	34.0	8.9	76.0	8.5	3.75	996	15.69	3.40
1208	STV 580	4.10	1.15	83.5	35.0	8.8	73.0	7.9	4.00	1023	14.97	3.52
1152	DPL 458 BG/RR	4.40	1.10	83.1	35.5	8.9	73.0	6.7	4.40	950	15.22	3.33
1224	DP 555 R/R	4.15	1.10	80.5	32.0	7.4	75.5	7.8	4.30	734	14.97	3.85
1226	GA 98084	3.85	1.20	83.2	33.5	8.3	74.5	6.8	3.85	1036	17.07	3.69
1140	DELTA PEARL	4.90	1.10	81.5	31.0	7.5	77.5	5.8	4.90	841	16.47	3.70
1169	FIBERMAX 958	3.90	1.10	83.0	34.0	7.5	75.5	7.5	3.90	894	17.19	3.69
1222	CT 210	4.40	1.10	82.3	34.0	8.5	75.5	6.5	4.25	857	17.93	3.65
1230	TAM 96 WD-18	3.90	1.15	83.9	34.0	8.1	72.5	8.0	3.90	986	18.65	3.93
1128	ACALA 1517-99	3.40	1.15	83.4	37.0	8.1	72.0	6.2	3.40	914	17.51	3.68
1221	CT 211	4.00	1.10	82.1	34.5	8.2	76.5	7.9	4.10	955	16.23	3.61
1164	ACALA ULTIMA	3.70	1.20	85.8	41.0	8.6	77.0	8.2	3.65	568	17.74	3.82
.	LSD	0.52	0.08	1.8	2.2	0.4	3.6	1.8	0.43	213	0.95	0.22

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

VARIETY		PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1229	SG 00W12	0.64	0.52	1.16	512	36.8	1.89	79	46.43	3.51	2.3
1220	AR 9101-91-09	0.55	0.49	1.04	475	28.3	1.73	85	45.49	3.70	2.6
1201	DPL 491	0.64	0.53	1.16	453	28.8	1.74	84	48.07	4.10	2.7
1158	PSC 355	0.75	0.43	1.18	445	29.0	1.74	84	49.17	4.27	2.8
1223	DP 493	0.47	0.35	0.82	438	24.5	1.65	88	47.12	4.17	2.8
1227	JAJO 0065	0.62	0.35	0.96	439	29.3	1.75	84	50.03	4.41	2.8
1175	FIBERMAX 966	0.45	0.36	0.80	492	21.8	1.60	90	40.63	3.20	2.6
1104	SG 747	0.51	0.39	0.89	451	29.8	1.76	84	48.76	4.22	2.7
1228	JAJO 0157	0.84	0.44	1.27	452	29.0	1.74	84	48.37	4.14	2.7
1225	GA 98028	0.75	0.51	1.24	478	30.3	1.77	84	46.36	3.75	2.6
1117	FIBERMAX 832	0.45	0.34	0.78	463	14.3	1.42	97	38.29	3.20	2.8
1196	STV 4892 BR	0.73	0.46	1.19	455	32.3	1.81	82	49.97	4.25	2.7
1203	JAJO 8192	0.69	0.39	1.08	498	32.0	1.80	82	45.32	3.52	2.5
1208	STV 580	0.68	0.45	1.12	462	32.3	1.80	82	49.05	4.12	2.6
1152	DPL 458 BG/RR	0.61	0.45	1.07	445	28.8	1.74	84	49.15	4.28	2.8
1224	DP 555 R/R	0.52	0.35	0.87	453	25.0	1.66	87	46.04	3.93	2.8
1226	GA 98084	0.65	0.43	1.08	482	30.0	1.76	84	45.94	3.69	2.6
1140	DELTA PEARL	0.59	0.37	0.96	404	18.3	1.51	93	47.00	4.52	3.2
1169	FIBERMAX 958	0.38	0.36	0.74	466	21.3	1.58	90	42.55	3.53	2.7
1222	CT 210	0.63	0.46	1.09	437	23.8	1.64	88	46.96	4.16	2.9
1230	TAM 96 WD-18	0.60	0.37	0.97	482	37.5	1.91	78	49.74	4.00	2.5
1128	ACALA 1517-99	0.53	0.34	0.87	524	31.8	1.80	82	43.14	3.19	2.3
1221	CT 211	0.64	0.46	1.10	458	28.5	1.73	85	47.52	4.01	2.7
1164	ACALA ULTIMA	0.52	0.38	0.90	494	28.5	1.73	85	44.09	3.45	2.5
.	LSD	0.07	0.07	0.13	41.1	9.7	0.20	8	3.51	0.47	0.3

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National Cotton Variety Tests, 2002
Yield, Boll, Seed, Spinning and Data

2002 PIMA REGIONAL COTTON VARIETY TEST

BOTH REGIONS OF PIMA COMBINED
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 (%)
1211	PHY 76	1663	3.24	37.3	13.2	197	1.41	0.67	321	8.7
1219	PD 744	1619	3.66	37.7	12.3	191	1.41	0.67	310	8.2
1210	OA 340	1557	3.50	39.0	12.5	190	1.41	0.65	312	7.8
1218	CH 007	1535	3.19	39.4	12.3	175	1.41	0.67	327	8.3
1113	PHY 57	1519	3.56	37.3	12.5	201	1.42	0.68	305	8.5
615	PIMA S-7	1461	3.30	37.6	12.2	189	1.42	0.65	315	8.0
1108	OA 325 (DP-HTO)	1401	3.38	39.1	12.6	185	1.41	0.65	306	8.3
471	PIMA S-6	1263	3.67	38.6	12.3	179	1.39	0.63	291	8.8
.	LSD	111	0.38	3.3	1.5	17	0.03	0.04	22	1.2

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1211	PHY 76	4.12	1.33	88.0	49.2	9.9	65.5	12.8	4.08	2750	21.96	3.67
1219	PD 744	4.17	1.35	87.5	46.2	9.4	68.7	11.2	4.27	2630	21.62	3.62
1210	OA 340	4.02	1.32	87.3	47.2	9.6	68.8	11.5	4.03	2430	22.38	3.67
1218	CH 007	4.20	1.30	87.2	47.5	9.3	64.5	12.0	4.20	2250	24.46	3.00
1113	PHY 57	3.83	1.37	88.6	49.2	10.0	69.3	11.3	3.87	2518	21.69	3.66
615	PIMA S-7	4.05	1.37	88.3	47.3	9.5	67.2	11.3	4.08	2403	23.44	3.40
1108	OA 325 (DP-HTO)	4.13	1.30	86.9	46.5	9.8	68.5	11.5	3.98	2113	24.00	3.72
471	PIMA S-6	4.05	1.30	87.5	42.5	9.7	66.5	11.5	4.40	1973	24.27	3.05
.	LSD	0.39	0.08	1.1	4.9	0.6	1.5	1.1	0.39	352	5.70	0.30

VARIETY CODE	VARIETY NAME	---GOSSYPOL LEVELS--- PLUS (+)	MINUS (-)	TOTAL (%)	----------AREALOMETER DATA---------- A D ---(mm2/mm3)---	I	M (%)	p (microns)	w (mg/in)	t (microns)
1211	PHY 76	0.83	0.84	1.66	. .	.	.	.	.	.
1219	PD 744	0.88	0.89	1.77	. .	.	.	.	.	.
1210	OA 340	0.72	0.85	1.57	. .	.	.	.	.	.
1218	CH 007	0.85	0.97	1.82	. .	.	.	.	.	.
1113	PHY 57	0.74	0.81	1.55	. .	.	.	.	.	.
615	PIMA S-7	0.80	0.90	1.69	. .	.	.	.	.	.
1108	OA 325 (DP-HTO)	0.75	0.77	1.52	. .	.	.	.	.	.
471	PIMA S-6	0.88	0.90	1.78	. .	.	.	.	.	.
.	LSD	0.09	0.08	0.16	. .	.	.	.	.	.

Reg=61 PIMA INCLUDING EL PASO, TX
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 (%)
1218	CH 007	1535	3.19	39.4	12.3	175	1.41	0.67	327	8.3
1211	PHY 76	1435	3.41	37.8	12.6	193	1.41	0.67	333	9.0
1219	PD 744	1373	3.79	37.8	12.4	184	1.38	0.65	313	8.6
1210	OA 340	1314	3.90	41.8	11.6	187	1.40	0.61	310	7.9
615	PIMA S-7	1290	3.32	38.8	12.5	171	1.39	0.61	320	8.1
1113	PHY 57	1266	3.94	38.9	12.4	200	1.41	0.65	305	9.3
471	PIMA S-6	1263	3.67	38.6	12.3	179	1.39	0.63	291	8.8
1108	OA 325 (DP-HTO)	1186	3.62	37.8	12.8	174	1.39	0.62	289	8.8

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1218	CH 007	4.20	1.30	87.2	47.5	9.3	64.5	12.0	4.20	2250	24.46	3.00
1211	PHY 76	4.20	1.35	88.1	50.5	9.8	66.0	12.5	4.00	2248	22.66	3.32
1219	PD 744	4.35	1.35	87.6	49.0	9.8	69.0	10.0	4.50	2181	19.71	3.18
1210	OA 340	3.95	1.30	86.9	45.5	9.3	69.0	11.5	3.95	1767	18.81	3.22
615	PIMA S-7	4.25	1.30	87.7	45.5	9.3	68.0	11.0	4.30	1998	26.16	3.13
1113	PHY 57	3.90	1.35	88.5	47.5	9.9	70.0	11.0	3.95	1894	19.88	3.26
471	PIMA S-6	4.05	1.30	87.5	42.5	9.7	66.5	11.5	4.40	1973	24.27	3.05
1108	OA 325 (DP-HTO)	4.15	1.30	86.0	45.5	9.6	70.0	11.0	3.95	1800	25.26	3.33

VARIETY CODE	VARIETY NAME	GOSSYPOL LEVELS PLUS (+)	GOSSYPOL LEVELS MINUS (-)	GOSSYPOL LEVELS TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
1218	CH 007	0.85	0.97	1.82	.	.	.	.	.	.	.
1211	PHY 76	0.85	0.86	1.71	.	.	.	.	.	.	.
1219	PD 744	0.90	0.90	1.81	.	.	.	.	.	.	.

1210	OA 340	0.78	0.90	1.67	.	.	.	.	.	.	.
615	PIMA S-7	0.84	0.90	1.74	.	.	.	.	.	.	.
1113	PHY 57	0.76	0.81	1.57	.	.	.	.	.	.	.
471	PIMA S-6	0.88	0.90	1.78	.	.	.	.	.	.	.
1108	OA 325 (DP-HTO)	0.75	0.76	1.51	.	.	.	.	.	.	.

Reg=63 PIMA INCLUDING SHAFTER AND WEST SIDE FIELD STATION, CA
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 (%)
1211	PHY 76	1777	3.16	37.1	13.4	199	1.42	0.67	315	8.5
1219	PD 744	1742	3.60	37.7	12.3	195	1.42	0.68	309	8.0
1210	OA 340	1679	3.31	37.6	12.9	192	1.41	0.67	313	7.8
1113	PHY 57	1645	3.37	36.6	12.5	202	1.42	0.69	306	8.1
615	PIMA S-7	1547	3.28	37.0	12.1	198	1.44	0.67	312	8.0
1108	OA 325 (DP-HTO)	1508	3.27	39.7	12.6	191	1.42	0.67	314	8.1
.	LSD	116	0.23	0.8	1.5	14	0.03	0.02	14	1.4

VARIETY CODE	VARIETY NAME	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1211	PHY 76	4.08	1.33	88.0	48.5	10.0	65.3	13.0	4.13	3001	21.61	3.84
1219	PD 744	4.08	1.35	87.5	44.8	9.2	68.5	11.8	4.15	2854	22.57	3.84
1210	OA 340	4.05	1.33	87.5	48.0	9.8	68.8	11.5	4.08	2762	24.17	3.90
1113	PHY 57	3.80	1.38	88.6	50.0	10.0	69.0	11.5	3.83	2831	22.59	3.86
615	PIMA S-7	3.95	1.40	88.6	48.3	9.6	66.8	11.5	3.98	2605	22.08	3.53

1108	OA 325 (DP-HTO)	4.13	1.30	87.3	47.0	10.0	67.8	11.8	4.00	2270	23.37	3.91
.	LSD	0.43	0.07	0.9	4.0	0.5	1.3	0.8	0.29	231	2.52	0.34

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
VARIETY CODE	VARIETY NAME	PLUS (+)	MINUS (-)	TOTAL (%)	A ---(mm2/mm3)---	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1211	PHY 76	0.81	0.83	1.64	.	.	.	.	.	.	.
1219	PD 744	0.87	0.88	1.75	.	.	.	.	.	.	.
1210	OA 340	0.68	0.83	1.51	.	.	.	.	.	.	.
1113	PHY 57	0.73	0.81	1.54	.	.	.	.	.	.	.
615	PIMA S-7	0.78	0.90	1.67	.	.	.	.	.	.	.
1108	OA 325 (DP-HTO)	0.76	0.77	1.53	.	.	.	.	.	.	.
.	LSD	0.10	0.08	0.18	.	.	.	.	.	.	.

REGION=PIMA
INDIVIDUAL COMPONENT DATA

BOLL SIZE, GRAM PER BOLL	
PIMA S-6	3.67
PD 744	3.66
PHY 57	3.56
OA 340	3.50
OA 325 (DP-HTO)	3.38
PIMA S-7	3.30
PHY 76	3.24
CH 007	3.19
LSD	0.38

REGION=PIMA

LINT PERCENT	
CH 007	39.4
OA 325 (DP-HTO)	39.1
OA 340	39.0
PIMA S-6	38.6
PD 744	37.7
PIMA S-7	37.6
PHY 57	37.3
PHY 76	37.3
LSD	3.3

REGION=PIMA

SEED INDEX	
PHY 76	13.2
OA 325 (DP-HTO)	12.6
PHY 57	12.5
OA 340	12.5
PD 744	12.3
CH 007	12.3
PIMA S-6	12.3
PIMA S-7	12.2
LSD	1.5

2.5% S.L. (INCHES)	
PHY 57	1.37
PIMA S-7	1.37
PD 744	1.35
PHY 76	1.33
OA 340	1.32
OA 325 (DP-HTO)	1.30
CH 007	1.30
PIMA S-6	1.30
LSD	0.08

UR (PERCENT)	
PHY 57	88.6
PIMA S-7	88.3
PHY 76	88.0
PD 744	87.5
PIMA S-6	87.5
OA 340	87.3
CH 007	87.2
OA 325 (DP-HTO)	86.9
LSD	1.1

STRENGTH (G/TEX)	
PHY 57	49.2
PHY 76	49.2
CH 007	47.5
PIMA S-7	47.3
OA 340	47.2
OA 325 (DP-HTO)	46.5
PD 744	46.2
PIMA S-6	42.5
LSD	4.9

E	
PHY 57	10.0
PHY 76	9.9
OA 325 (DP-HTO)	9.8
PIMA S-6	9.7
OA 340	9.6
PIMA S-7	9.5
PD 744	9.4
CH 007	9.3
LSD	0.6

MICRONAIRE (SL-HVI)	
PIMA S-6	4.40
PD 744	4.27
CH 007	4.20
PHY 76	4.08
PIMA S-7	4.08
OA 340	4.03
OA 325 (DP-HTO)	3.98
PHY 57	3.87
LSD	0.39

COLORIMETER - Rd	
PHY 57	69.3
OA 340	68.8
PD 744	68.7
OA 325 (DP-HTO)	68.5
PIMA S-7	67.2
PIMA S-6	66.5
PHY 76	65.5
CH 007	64.5
LSD	1.5

COLORIMETER - b	
PHY 76	12.8
CH 007	12.0
OA 340	11.5
OA 325 (DP-HTO)	11.5
PIMA S-6	11.5
PHY 57	11.3
PIMA S-7	11.3
PD 744	11.2
LSD	1.1

MICRONAIRE	
CH 007	4.20
PD 744	4.17
OA 325 (DP-HTO)	4.13
PHY 76	4.12
PIMA S-6	4.05
PIMA S-7	4.05
OA 340	4.02
PHY 57	3.83
LSD	0.39

STELOMETER - E1	
PIMA S-6	8.8
PHY 76	8.7
PHY 57	8.5
OA 325 (DP-HTO)	8.3
CH 007	8.3
PD 744	8.2
PIMA S-7	8.0
OA 340	7.8
LSD	1.2

STELOMETER - T1	
CH 007	327
PHY 76	321
PIMA S-7	315
OA 340	312
PD 744	310
OA 325 (DP-HTO)	306
PHY 57	305
PIMA S-6	291
LSD	22

FIBROGRAPH--50% S.L.	
PHY 57	0.68
CH 007	0.67
PHY 76	0.67
PD 744	0.67
OA 325 (DP-HTO)	0.65
OA 340	0.65
PIMA S-7	0.65
PIMA S-6	0.63
LSD	0.04

FIBROGRAPH--2.5% S.L.	
PIMA S-7	1.42
PHY 57	1.42
PHY 76	1.41
CH 007	1.41
OA 325 (DP-HTO)	1.41
PD 744	1.41
OA 340	1.41
PIMA S-6	1.39
LSD	0.03

YARN TENACITY	
PHY 57	201
PHY 76	197
PD 744	191
OA 340	190
PIMA S-7	189
OA 325 (DP-HTO)	185
PIMA S-6	179
CH 007	175
LSD	17

AREALOMETER - A (mm2/mm3)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.
LSD	.

AREALOMETER - D (mm2/mm3)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.
LSD	.

AREALOMETER - I	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.

AREALOMETER - M (PERCENT)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.

AREALOMETER - p (Microns)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.

LSD	.

LSD	.

LSD	.

AREALOMETER - w (MG/INCH)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.
LSD	.

AREALOMETER - t (MICRONS)	
PHY 57	.
PHY 76	.
PD 744	.
OA 340	.
PIMA S-7	.
OA 325 (DP-HTO)	.
PIMA S-6	.
CH 007	.
LSD	.

SEED YIELD (LB/ACRE)	
PHY 76	2750
PD 744	2630
PHY 57	2518
OA 340	2430
PIMA S-7	2403
CH 007	2250
OA 325 (DP-HTO)	2113
PIMA S-6	1973
LSD	352

OIL (PERCENT)	
CH 007	24.46
PIMA S-6	24.27
OA 325 (DP-HTO)	24.00
PIMA S-7	23.44
OA 340	22.38
PHY 76	21.96
PHY 57	21.69
PD 744	21.62
LSD	5.70

NITROGEN (PERCENT)	
OA 325 (DP-HTO)	3.72
OA 340	3.67
PHY 76	3.67
PHY 57	3.66
PD 744	3.62
PIMA S-7	3.40
PIMA S-6	3.05
CH 007	3.00
LSD	0.30

PLUS GOSSYPOL	
PIMA S-6	0.88
PD 744	0.88
CH 007	0.85
PHY 76	0.83
PIMA S-7	0.80
OA 325 (DP-HTO)	0.75
PHY 57	0.74
OA 340	0.72
LSD	0.09

MINUS GOSSYPOL	
CH 007	0.97
PIMA S-6	0.90
PIMA S-7	0.90
PD 744	0.89
OA 340	0.85

TOTAL GOSSYPOL (PERCENT)	
CH 007	1.82
PIMA S-6	1.78
PD 744	1.77
PIMA S-7	1.69
PHY 76	1.66

PHY 76	0.84	OA 340	1.57
PHY 57	0.81	PHY 57	1.55
OA 325 (DP-HTO)	0.77	OA 325 (DP-HTO)	1.52
LSD	0.08	LSD	0.16

61 REGION=PIMA
LOCATIONS COMBINING VARIETIES

LOCATION	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 (%)
SHAFTER, CA	2012	3.33	38.7	12.2	197	1.41	0.68	310	7.9
EL PASO, TX (PIMA)	1333	3.61	38.8	12.4	183	1.40	0.64	311	8.6
W SIDE FIELD STATION, CA	1288	3.32	36.5	13.0	195	1.43	0.67	313	8.2

LOCATION	MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
SHAFTER, CA	3.92	1.33	87.6	47.7	9.7	67.6	11.6	3.93	3194	21.48	3.99
EL PASO, TX (PIMA)	4.13	1.32	87.4	46.7	9.6	67.9	11.3	4.16	2014	22.65	3.19
W SIDE FIELD STATION, CA	4.11	1.37	88.2	47.8	9.8	67.8	12.1	4.12	2247	23.98	3.64

LOCATION	GOSSYPOL LEVELS PLUS (+)	GOSSYPOL LEVELS MINUS (-)	GOSSYPOL LEVELS TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/in)	t (microns)
SHAFTER, CA	0.66	0.71	1.37	.	.	.	.	.	.	.
EL PASO, TX (PIMA)	0.83	0.87	1.70	.	.	.	.	.	.	.
W SIDE FIELD STATION, CA	0.88	0.96	1.84	.	.	.	.	.	.	.

EL PASO, TX (PIMA)

VARIETY		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 (%)
1218	CH 007	1535	3.19	39.4	12.3	175	1.41	0.67	327	8.3
1211	PHY 76	1435	3.41	37.8	12.6	193	1.41	0.67	333	9.0
1219	PD 744	1373	3.79	37.8	12.4	184	1.38	0.65	313	8.6
1210	OA 340	1314	3.90	41.8	11.6	187	1.40	0.61	310	7.9
615	PIMA S-7	1290	3.32	38.8	12.5	171	1.39	0.61	320	8.1
1113	PHY 57	1266	3.94	38.9	12.4	200	1.41	0.65	305	9.3
471	PIMA S-6	1263	3.67	38.6	12.3	179	1.39	0.63	291	8.8
1108	OA 325 (DP-HTO)	1186	3.62	37.8	12.8	174	1.39	0.62	289	8.8
.	LSD	57	.	.	.	5	0.01	0.03	22	0.8

VARIETY		MICRO-NAIRE (reading)	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (in.)	UNIFO-MITY (%)	STRE-NGTH (g/tex)	COLORIMETER HUNTER'S E	Rd	b	MICRO-NAIRE (Reading)	SEED YIELD (lb/ac)	OIL (%)	NITR OGEN (%)
1218	CH 007	4.20	1.30	87.2	47.5	9.3	64.5	12.0	4.20	2250	24.46	3.00
1211	PHY 76	4.20	1.35	88.1	50.5	9.8	66.0	12.5	4.00	2248	22.66	3.32
1219	PD 744	4.35	1.35	87.6	49.0	9.8	69.0	10.0	4.50	2181	19.71	3.18
1210	OA 340	3.95	1.30	86.9	45.5	9.3	69.0	11.5	3.95	1767	18.81	3.22
615	PIMA S-7	4.25	1.30	87.7	45.5	9.3	68.0	11.0	4.30	1998	26.16	3.13
1113	PHY 57	3.90	1.35	88.5	47.5	9.9	70.0	11.0	3.95	1894	19.88	3.26
471	PIMA S-6	4.05	1.30	87.5	42.5	9.7	66.5	11.5	4.40	1973	24.27	3.05
1108	OA 325 (DP-HTO)	4.15	1.30	86.0	45.5	9.6	70.0	11.0	3.95	1800	25.26	3.33
.	LSD	0.40	0.10	1.2	7.4	0.7	3.6	0.9	0.22	.	1.08	0.21

VARIETY	GOSSYPOL LEVELS PLUS (+)	MINUS (-)	TOTAL (%)	AREALOMETER DATA A (mm2/mm3)	D	I	M (%)	p (microns)	w (mg/in)	t (microns)
1218 CH 007	0.85	0.97	1.82	.	.	.	.	.	.	.
1211 PHY 76	0.85	0.86	1.71	.	.	.	.	.	.	.
1219 PD 744	0.90	0.90	1.81	.	.	.	.	.	.	.
1210 OA 340	0.78	0.90	1.67	.	.	.	.	.	.	.
615 PIMA S-7	0.84	0.90	1.74	.	.	.	.	.	.	.
1113 PHY 57	0.76	0.81	1.57	.	.	.	.	.	.	.
471 PIMA S-6	0.88	0.90	1.78	.	.	.	.	.	.	.
1108 OA 325 (DP-HTO)	0.75	0.76	1.51	.	.	.	.	.	.	.
. LSD	0.05	0.05	0.10	.	.	.	.	.	.	.

SHAFTER, CA

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 (%)
1219 PD 744	2115	3.51	39.1	11.2	199	1.41	0.68	312	8.0
1211 PHY 76	2104	3.19	37.9	13.3	199	1.42	0.67	309	7.7
1210 OA 340	2069	3.29	38.7	12.3	186	1.41	0.68	307	7.9
1113 PHY 57	2043	3.41	37.5	12.3	207	1.41	0.69	307	8.2
1108 OA 325 (DP-HTO)	1872	3.38	40.7	12.7	192	1.40	0.67	315	8.2
615 PIMA S-7	1868	3.25	38.3	11.8	200	1.43	0.67	313	7.8
. LSD	76	0.17	0.5	0.9	10	0.02	0.05	36	0.7

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

1219	PD 744	4.00	1.30	87.1	43.0	9.1	68.0	11.5	4.15	3301	21.73	4.12
1211	PHY 76	4.05	1.30	87.7	49.0	10.0	65.5	13.0	4.05	3447	19.14	3.94
1210	OA 340	4.10	1.30	87.3	47.5	10.0	68.5	11.0	4.05	3281	23.64	4.10
1113	PHY 57	3.70	1.35	88.7	51.5	10.0	68.5	11.0	3.70	3408	21.61	4.15
1108	OA 325 (DP-HTO)	4.00	1.30	86.7	46.0	9.9	68.0	11.5	3.90	2724	22.30	4.05
615	PIMA S-7	3.65	1.40	88.4	49.0	9.5	67.0	11.5	3.75	3005	20.47	3.60
.	LSD	0.44	0.07	1.4	3.0	0.2	1.9	1.3	0.36	111	1.11	0.43

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1219	PD 744	0.72	0.73	1.45	.	.	.	.	.	.	.
1211	PHY 76	0.68	0.68	1.36	.	.	.	.	.	.	.
1210	OA 340	0.59	0.71	1.31	.	.	.	.	.	.	.
1113	PHY 57	0.62	0.68	1.29	.	.	.	.	.	.	.
1108	OA 325 (DP-HTO)	0.65	0.67	1.33	.	.	.	.	.	.	.
615	PIMA S-7	0.71	0.80	1.50	.	.	.	.	.	.	.
.	LSD	0.05	0.05	0.08	.	.	.	.	.	.	.

W SIDE FIELD STATION, CA

		LINT YIELD	BOLL SIZE	LINT	SEED	YARN TENACITY	DIGITAL FIBROGRAPH 2.5% S.L.	50% S.L.	STELOMETER T1	E1
VARIETY		(lb/acre)	(g/boll)	PERCENT	INDEX	(mN/TEX)	(inches)	(inches)	(mN/tex)	(%)
1211	PHY 76	1451	3.14	36.2	13.6	198	1.41	0.67	321	9.4
1219	PD 744	1370	3.68	36.3	13.3	191	1.43	0.67	306	7.9
1210	OA 340	1289	3.32	36.5	13.5	198	1.42	0.67	320	7.7
1113	PHY 57	1248	3.33	35.6	12.7	197	1.43	0.69	305	8.1
615	PIMA S-7	1226	3.32	35.7	12.3	195	1.44	0.67	312	8.3
1108	OA 325 (DP-HTO)	1144	3.16	38.6	12.5	190	1.44	0.68	314	8.0
.	LSD	206	0.30	0.7	0.8	13	0.04	0.05	26	0.5

		SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)										
		MICRO-NAIRE	2.5% S.L.	UNIFO-MITY	STRE-NGTH	COLORIMETER HUNTER'S			MICRO-NAIRE	SEED YIELD	OIL	NITROGEN
VARIETY		(reading)	(in.)	(%)	(g/tex)	E	Rd	b	(Reading)	(lb/ac)	(%)	(%)
1211	PHY 76	4.10	1.35	88.3	48.0	10.0	65.0	13.0	4.20	2554	24.08	3.74
1219	PD 744	4.15	1.40	87.9	46.5	9.4	69.0	12.0	4.15	2407	23.41	3.56
1210	OA 340	4.00	1.35	87.6	48.5	9.5	69.0	12.0	4.10	2243	24.71	3.70
1113	PHY 57	3.90	1.40	88.5	48.5	10.0	69.5	12.0	3.95	2253	23.57	3.57
615	PIMA S-7	4.25	1.40	88.8	47.5	9.7	66.5	11.5	4.20	2206	23.69	3.47
1108	OA 325 (DP-HTO)	4.25	1.30	88.0	48.0	10.0	67.5	12.0	4.10	1816	24.44	3.78
.	LSD	0.29	0.10	1.6	5.1	0.8	1.3	0.7	0.23	322	1.53	0.29

		---GOSSYPOL LEVELS---			----------AREALOMETER DATA----------						
		PLUS	MINUS	TOTAL	A	D		M	p	w	t
VARIETY		(+)	(-)	(%)	---(mm2/mm3)---		I	(%)	(microns)	(mg/in)	(microns)
1211	PHY 76	0.95	0.97	1.93	.	.	.	.	.	.	.
1219	PD 744	1.02	1.03	2.04	.	.	.	.	.	.	.
1210	OA 340	0.78	0.95	1.72	.	.	.	.	.	.	.
1113	PHY 57	0.85	0.94	1.79	.	.	.	.	.	.	.
615	PIMA S-7	0.85	1.00	1.85	.	.	.	.	.	.	.
1108	OA 325 (DP-HTO)	0.86	0.87	1.73	.	.	.	.	.	.	.
.	LSD	0.04	0.04	0.09	.	.	.	.	.	.	.

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

Questions or comments to: ekeene@ars.usda.gov

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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, 2002
Yield, Boll, Seed, Spinning and Data

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 fourteenth 3-year testing cycle, beginning in 1999, the national standards were Acala Maxxa, All Tex Atlas, DPL NuCotn 33B, and Suregrow 747. 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.

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 (Chillicothe)
Dryland Test Chillicothe, TX
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
Clemson University
Pee Dee Experiment Station
Florence, SC
Georgia Agricultural Experiment Station
Georgia Coastal Plain Experiment Station
Tifton, GA
Louisiana Agricultural Experiment Station
Red River Valley Experiment Station
Bossier City, LA
Mississippi Agricultural and Forestry Experiment Station
Delta Branch
Stoneville, MS
North Carolina State University
Upper Coastal Plain Experiment Station

Rocky Mount, NC
Texas A&M University
Texas Agricultual Experiment Station
College Station, TX
Safford, AZ

Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station
Cotton Research Center
Maricopa, AZ
California Agricultural Experiment Station
West Side Field Station
West Side Field Station, CA
Kern, CA
Shafter, CA
Merced, CA
New Mexico Agricultural Experiment Station
Off-Station Test
Las Cruces, NM

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 180øF for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. The purpose of this modification was to reduce free moisture on the kernels with which the gossypol could interact and become bound to the protein thus reducing the free gossypol content. The use of this modification (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years. Free gossypol is expressed as a percentage of the mass of the kernel.

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

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

Lint yield. The mean production of the plots harvested, expressed in

pounds of lint per acre and
reported as estimated by each participant.

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

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

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

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

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

(LINT YIELD/ACRE) X ((100-LINT%) / 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.

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

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