

1996 National Cotton Variety Test



Cotton Physiology & Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-5378
(662) 686-5218 (fax)



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

**National Cotton Variety Tests, 1996
Yield, Boll, Seed, Spinning and Data**

Compiled by:

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**S. T. Rayburn, Jr.
Program Analyst**



**Ellen R. Keene
Computer Assistant**



**Ronald E. Britton
Computer Specialist**

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, Missouri, 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, 1996.

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

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**United States Department of Agriculture
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Cotton Physiology & Genetics Research Unit
P.O. Box 345
Stoneville, MS 38776**



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Dallas, TX

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Stoneville, MS
Tifton, GA
Tipton, OK
Thrall, TX
University Park, NM
Weslaco, TX
West Side Field Station, CA
Yuma, AZ



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Acala Maxxa

-- New Mexico Crop Improvement Association,
Las Cruces, NM;

Paymaster HS-26

-- Cargill Research, Plainview, TX;

STV LA 887

-- Stoneville Pedigreed Seed Company, Stoneville, MS; and

SureGrow 125

-- SureGrow, Stoneville, MS.



Joint Cotton Breeding Policy Committee

(As of January 1996)

C. D. Berry, Stoneville Pedigreed Seed Company, Stoneville, MS
L. P. Burdett, Delta and Pine Land Co., Casa Grande, AZ
N. P. Clarke, Texas A&M University, College Station, TX
L. B. Daniels, Arkansas Agricultural Experiment Station, Fayetteville, AR
A. G. Jordan, (Secretary) National Cotton Council of America, Memphis, TN

B. Lalor, Cotton Incorporated, Raleigh, NC
C. W. Manning, (Emeritus) Stoneville Pedigreed Seed Co., Stoneville, MS
W. R. Meredith, Jr., Agricultural Research Service, USDA, Stoneville, MS
C. A. Onstad, Agricultural Research Service, USDA, College Station, TX
J. Radin, Agricultural Research Service, USDA, Beltsville, MD
G. L. Rea, Seedco Corporation, Lubbock, TX
D. T. Smith, Texas Agricultural Experiment Station, College Station, TX
J. W. Smith, Delta Branch Experiment Station, Stoneville, MS
K. W. Tipton, (Chairman) Louisiana Agricultural Experiment Station, Baton Rouge, LA

National Cotton Variety Testing Committee

(As of January 1996)

D. M. Bassett, University of CA, U. S. Cotton Research Station, Shafter, CA
R. R. Bridge, Delta Branch Experiment Station, 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
J. R. Gannaway, (Chairman) Texas Agricultural Experiment Station, Lubbock, TX
C. Green, Delta & Pine Land Co., Hartsville, SC
J. Gwyn, Chembred, Inc., Maricopa, AZ
S. Lincoln, CA Dept. of Food & Agriculture, Sacramento, CA
C. W. Manning, Stoneville Pedigreed Seed Company, Stoneville, MS
L. May, Agricultural Research Service, USDA, Florence, SC
W. R. Meredith, Jr., Agricultural Research Service, USDA, Stoneville, MS
J. Radin, Agricultural Research Service, USDA, Beltsville, MD
S. R. Oakley, California Planting Cottonseed Distributors, Shafter, CA
R. Percy, Agricultural Research Service, USDA, Maricopa, AZ
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 - 1996
Yield Archive File	1960 - 1996
Fiber Quality Archive File	1960 - 1996
Pima Combed Yarn Archive File	1962 - 1996

Code Files:

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

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

Mr. S. T. Rayburn, Jr., Program Analyst
National Cotton Variety Testing Program
P. O. Box 345
Stoneville, MS 38776
662-686-5377
e-mail address: trayburn@ag.gov
ekeene@ars.usda.gov



Introduction

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

National standard varieties are chosen for a 3-year testing cycle. For the thirteenth 3-year testing cycle, beginning in 1996, the national standards were Acala Maxxa, Paymaster HS 26, Stoneville LA 887, and Suregrow 125. 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 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
Missouri Agricultural Experiment Station	
Delta Center	Portageville, MO
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	El Paso, TX
Agricultural Research Center	Pecos, TX

San Joaquin Valley Continuous Cotton Variety Test (Upland Varieties)

California Agricultural Experiment Station	
West Side Field Station	Five Points, CA
U.S. Cotton Field Station	Shafter, CA

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
Missouri Agricultural Experiment Station	
Delta Center	Portageville, MO
North Carolina State University	
Upper Coastal Plain Experiment Station	Rocky Mount, NC
Texas A&M University	
Texas Agricultural Experiment Station	College Station, TX

Arizona Regional Cotton Variety Test

Arizona Agricultural Experiment Station	
Cotton Research Center	Maricopa, AZ
Safford Branch Experiment Station	
Off-Station Test	Safford, AZ

Pima Regional Cotton Variety Test

Arizona Agricultural Experiment Station	
Cotton Research Center	Maricopa, AZ
Marana Experiment Station	Marana, AZ
Off-Station Test	
Yuma	Yuma, AZ
California Agricultural Experiment Station	
West Side Field Station	Five Points, CA
Safford Branch Experiment Station	
Off-Station Test	Safford (E), AZ
	Safford (P), AZ
New Mexico Agricultural Experiment Station	
Off-Station Test	Las Cruces, NM
Texas A&M University	
Agricultural Research Center	El Paso, TX

Combed-Yarn Test (American Pima Varieties)**

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

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



Explanations and Definitions

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

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

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

The column headings and symbols are defined as follows:

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

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

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

more ribbonlike are the fibers.

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

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

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

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

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

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

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

(t) Wall thickness in microns calculated from:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

2.5 S.L. See Digital Fibrograph for definition

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

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

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

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

Colorimeter

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

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

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

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

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

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



Reporting Variations

Arizona Region Test Results:

The two reporting locations did not utilize the same varieties of cottons in the tests.

Blacklands Region Test Results:

Thrall, TX location was not reported due to weather conditions.

Plains Region Test Results:

LaMesa, TX location was not reported due to inability to plant the crop.

Cotton varieties tested in the 1996 National Cotton Variety Tests:

VARIETY PLANTED	NATIONAL STANDARD	PLANTED IN REGION
152 B		HIGH QUALITY
89 E-51		HIGH QUALITY
ACALA 1517-91		WESTERN
ACALA 1517-95		WESTERN
ACALA GC 510		WESTERN
ACALA MAXXA	X	ALL REGIONS
ACALA PREMA		ARIZONA; WESTERN
ACALA ROYALE		ARIZONA
ALL TEX ATLAS		PLAINS
AR 870622		HIGH QUALITY
Arkot 8712		HIGH QUALITY
AZ 93-180		HIGH QUALITY
AZ 93-248		HIGH QUALITY
AZ 93-259		HIGH QUALITY
B 7413		HIGH QUALITY
B-5008		WESTERN
BS&D TEJAS		PLAINS
BS&D UTE		PLAINS
C 141		SAN JOAQUIN
C 143		SAN JOAQUIN
C 144		SAN JOAQUIN
C 151		SAN JOAQUIN
C 153		SAN JOAQUIN
CHANEY RANCH 252		PIMA
CHANEY RANCH 253		PIMA
CONQUISTADOR		PIMA

DELTAPINE 50		ARIZONA; BLACKLANDS; CENTRAL
DELTAPINE 5415		ARIZONA; EASTERN
DELTAPINE 90		ARIZONA
DP 5409		ARIZONA; CENTRAL; DELTA; EASTERN
DPL 51		DELTA
DPL 5690		ARIZONA; EASTERN; WESTERN
DPL 9911		PIMA
DPX 1111		HIGH QUALITY
DPX 93-05		HIGH QUALITY
GA 90-41		HIGH QUALITY
GA 91-143		HIGH QUALITY
GC 9209		SAN JOAQUIN
GC 9422		SAN JOAQUIN
GC 9426		SAN JOAQUIN
GC 9427		SAN JOAQUIN
GC 9428		SAN JOAQUIN
GEORGIA KING		EASTERN
H 1215 Hartz		ARIZONA; DELTA
H 1220		ARIZONA
H 1244 HARTZ		ARIZONA
H 1330 (HARTZ)		DELTA
H 1560 (HARTZ)		CENTRAL; EASTERN
HOLLAND 186		PLAINS
HS 44		ARIZONA
HS46		ARIZONA; EASTERN
NU 33 B		ARIZONA
OA 211		SAN JOAQUIN
OA 304		PIMA
OA 36		ARIZONA
OA 60		ARIZONA
ORO BLANCO		PIMA
PAYMASTER HS 26	X	ALL REGIONS
PAYMASTER PM 183		PLAINS
PD 93054		HIGH QUALITY
PHY 49		SAN JOAQUIN
PHY 52		SAN JOAQUIN
PHY 56		SAN JOAQUIN
PIMA S-6		PIMA
PIMA S-7		PIMA
PM 280		ARIZONA
PM 330		ARIZONA
S-1001		ARIZONA; EASTERN
SG 125	X	ALL REGIONS
SG 404		ARIZONA; EASTERN

SOUTHLAND 400		PLAINS
SS 9303		HIGH QUALITY
SS 9501		HIGH QUALITY
SS 9506		HIGH QUALITY
STV 474		ARIZONA; CENTRAL; DELTA; EASTERN
STV 495		ARIZONA
STV KC311		EASTERN
STV LA 887	X	ALL REGIONS
SUREGROW 501		ARIZONA; DELTA; EASTERN
TAMCOT SPHINX		BLACKLANDS; PLAINS
W-5250		WESTERN



1996 EASTERN REGIONAL COTTON VARIETY TEST REGIONAL SUMMARY

1996 EASTERN REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	1396	A	5.30	42.6	10.2	109	1.14	0.56	178	9.1	4.35
SUREGROW 501	1376	B A	4.63	42.5	9.0	124	1.13	0.56	209	9.3	4.32
STV 474	1367	B A	4.55	43.3	9.6	109	1.11	0.54	199	8.7	4.45
H 1560 (HARTZ)	1366	B A	5.04	42.0	9.8	121	1.15	0.56	203	8.8	4.02
STV LA 887	1318	B A C	5.44	42.0	10.4	124	1.15	0.55	208	8.5	4.07
SG 404	1285	B A C	4.81	40.1	10.1	118	1.13	0.56	204	8.8	4.40
GEORGIA KING	1275	B A C	5.22	41.5	10.0	119	1.17	0.56	209	8.0	4.20

STV KC311	1262	B A C	4.62	40.1	9.2	125	1.13	0.55	217	7.6	4.03
DPL 5690	1245	B A C	4.53	40.8	9.5	124	1.14	0.56	211	7.6	4.02
S-1001	1235	B C	4.63	40.8	9.5	125	1.15	0.56	216	8.2	4.08
DP 5409	1228	B C	4.44	40.7	9.2	111	1.14	0.55	187	8.8	4.03
DELTAPINE 5415	1208	C	4.58	41.3	8.5	113	1.14	0.56	204	9.5	4.45
HS46	1192	C	4.91	41.3	9.3	124	1.17	0.56	215	7.8	3.93
PAYMASTER HS 26	1049	D	5.72	38.7	11.8	109	1.09	0.55	195	9.3	4.60
ACALA MAXXA	791	E	5.53	42.1	11.2	132	1.17	0.57	215	7.4	3.92

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
SG 125	1.15	84.7	24.8	10.2	69.6	8.0	4.35	1867	19.68	3.81	0.75
SUREGROW 501	1.14	84.5	28.3	10.0	70.2	7.9	4.27	1904	19.73	3.68	0.72
STV 474	1.12	83.3	26.4	10.0	69.3	8.1	4.37	1764	19.91	3.94	0.83
H 1560 (HARTZ)	1.14	84.1	27.3	10.0	70.9	8.0	3.98	1885	19.11	3.68	0.73
STV LA 887	1.15	83.8	28.5	10.2	71.4	8.3	3.93	1787	19.17	3.64	0.75
SG 404	1.14	84.8	27.0	10.0	70.3	7.8	4.27	1932	19.61	3.60	0.72
GEORGIA KING	1.15	83.6	27.4	9.8	69.9	8.0	4.22	1831	20.24	3.70	0.70
STV KC311	1.13	83.1	29.4	9.9	71.8	7.9	4.00	1970	21.12	3.64	0.76
DPL 5690	1.13	83.9	29.1	9.9	71.0	7.3	4.05	1801	20.64	3.72	0.70
S-1001	1.13	83.3	29.5	9.8	71.7	7.9	4.00	1788	20.19	3.77	0.72
DP 5409	1.14	83.6	26.4	10.0	72.3	7.9	4.00	1762	20.25	3.73	0.80
DELTAPINE 5415	1.15	84.0	27.3	10.0	71.4	7.8	4.40	1746	18.55	3.50	0.71
HS46	1.16	83.7	29.3	9.9	71.6	8.1	3.97	1681	20.25	3.72	0.58
PAYMASTER HS 26	1.07	84.0	27.0	10.5	67.5	8.1	4.62	1618	22.51	3.58	0.82
ACALA MAXXA	1.16	84.4	29.8	9.8	69.8	7.8	3.88	1081	20.75	4.04	0.59

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)

SG 125	448	34.2	1.84	80	51.57	4.46	2.68
SUREGROW 501	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.
H 1560 (HARTZ)	.	.	.	.	.	.	.
STV LA 887	475	34.4	1.84	80	48.72	3.97	2.53
SG 404	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
PAYMASTER HS 26	427	30.8	1.78	82	52.30	4.74	2.83
ACALA MAXXA	479	34.7	1.85	80	48.59	3.93	2.50

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

PAYMASTER HS 26	5.72	A	STV 474	43.3	A	PAYMASTER HS 26	11.8	A
ACALA MAXXA	5.53	B A	SG 125	42.6	B A	ACALA MAXXA	11.2	B A
STV LA 887	5.44	B A C	SUREGROW 501	42.5	B A	STV LA 887	10.4	B C
SG 125	5.30	B A C	ACALA MAXXA	42.1	B A C	SG 125	10.2	B C D
GEORGIA KING	5.22	DB A C	H 1560 (HARTZ)	42.0	B A C	SG 404	10.1	E C D
H 1560 (HARTZ)	5.04	DB E C	STV LA 887	42.0	B C	GEORGIA KING	10.0	E C D
HS46	4.91	DB E C	GEORGIA KING	41.5	B D C	H 1560 (HARTZ)	9.8	E C D
SG 404	4.81	D E C	DELTAPINE 5415	41.3	EB D C	STV 474	9.6	FE C D
S-1001	4.63	D E	HS46	41.3	EB D C	DPL 5690	9.5	FE C D
SUREGROW 501	4.63	D E	DPL 5690	40.8	E D C	S-1001	9.5	FE C D
STV KC311	4.62	D E	S-1001	40.8	E D C	HS46	9.3	FE C D
DELTAPINE 5415	4.58	D E	DP 5409	40.7	E D C	DP 5409	9.2	FE D
STV 474	4.55	E	SG 404	40.1	E D	STV KC311	9.2	FE D
DPL 5690	4.53	E	STV KC311	40.1	E	SUREGROW 501	9.0	FE
DP 5409	4.44	E	PAYMASTER HS 26	38.7	F	DELTAPINE 5415	8.5	F

YARN TENACITY

FIBROGRAPH--2.5% S. L.

FIBROGRAPH--50% S. L.

ACALA MAXXA	132	A
STV KC311	125	B
S-1001	125	B
STV LA 887	124	B
DPL 5690	124	B
SUREGROW 501	124	B
HS46	124	B
H 1560 (HARTZ)	121	B
GEORGIA KING	119	C B
SG 404	118	C B D
DELTAPINE 5415	113	C E D
DP 5409	111	E D
PAYMASTER HS 26	109	E
STV 474	109	E
SG 125	109	E

GEORGIA KING	1.17	A
ACALA MAXXA	1.17	B A
HS46	1.17	B A
STV LA 887	1.15	B A C
H 1560 (HARTZ)	1.15	B A C
S-1001	1.15	DB A C
DPL 5690	1.14	DB A C
DELTAPINE 5415	1.14	DB A C
SG 125	1.14	DB A C
DP 5409	1.14	DB C
STV KC311	1.13	D C
SUREGROW 501	1.13	D C
SG 404	1.13	D C
STV 474	1.11	D E
PAYMASTER HS 26	1.09	E

ACALA MAXXA	0.57	A
GEORGIA KING	0.56	B A
HS46	0.56	B A
SG 404	0.56	B A
DPL 5690	0.56	B A C
SUREGROW 501	0.56	B A C
SG 125	0.56	B A C
H 1560 (HARTZ)	0.56	B A C
S-1001	0.56	B C
DELTAPINE 5415	0.56	B C
PAYMASTER HS 26	0.55	B C
STV LA 887	0.55	B C
DP 5409	0.55	B D C
STV KC311	0.55	D C
STV 474	0.54	D

STELOMETER - T1

STELOMETER - E1

MICRONAIRE

STV KC311	217	A
S-1001	216	A
HS46	215	A
ACALA MAXXA	215	A
DPL 5690	211	B A
GEORGIA KING	209	B A
SUREGROW 501	209	B A
STV LA 887	208	B A
SG 404	204	B A C
DELTAPINE 5415	204	B A C
H 1560 (HARTZ)	203	B A C
STV 474	199	B D C
PAYMASTER HS 26	195	D C
DP 5409	187	E D
SG 125	178	E

DELTAPINE 5415	9.5	A
PAYMASTER HS 26	9.3	A
SUREGROW 501	9.3	A
SG 125	9.1	B A
SG 404	8.8	B A C
DP 5409	8.8	DB A C
H 1560 (HARTZ)	8.8	DB A C
STV 474	8.7	DB A C
STV LA 887	8.5	DBEA C
S-1001	8.2	DBEF C
GEORGIA KING	8.0	D EF C
HS46	7.8	D EF
STV KC311	7.6	EF
DPL 5690	7.6	F
ACALA MAXXA	7.4	F

PAYMASTER HS 26	4.60	A
DELTAPINE 5415	4.45	B A
STV 474	4.45	B A
SG 404	4.40	B A C
SG 125	4.35	DB A C
SUREGROW 501	4.32	DBEA C
GEORGIA KING	4.20	DBEF C
S-1001	4.08	D EF C
STV LA 887	4.07	D EF
STV KC311	4.03	D EF
DP 5409	4.03	D EF
DPL 5690	4.02	EF
H 1560 (HARTZ)	4.02	EF
HS46	3.93	F
ACALA MAXXA	3.92	F

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

ACALA MAXXA	1.16	A	SG 404	84.8	A	ACALA MAXXA	29.8	A
HS46	1.16	A	SG 125	84.7	A	S-1001	29.5	A
DELTAPINE 5415	1.15	B A	SUREGROW 501	84.5	B A	STV KC311	29.4	A
GEORGIA KING	1.15	B A	ACALA MAXXA	84.4	B A C	HS46	29.3	A
STV LA 887	1.15	B A	H 1560 (HARTZ)	84.1	DB A C	DPL 5690	29.1	B A
SG 125	1.15	B A	PAYMASTER HS 26	84.0	DB A C	STV LA 887	28.5	B A C
H 1560 (HARTZ)	1.14	B A	DELTAPINE 5415	84.0	DB A C	SUREGROW 501	28.3	B A C
SUREGROW 501	1.14	B A C	DPL 5690	83.9	DB A C	GEORGIA KING	27.4	B D C
DP 5409	1.14	B A C	STV LA 887	83.8	DB A C	H 1560 (HARTZ)	27.3	B D C
SG 404	1.14	B A C	HS46	83.7	DB A C	DELTAPINE 5415	27.3	B D C
S-1001	1.13	B A C	DP 5409	83.6	DB A C	PAYMASTER HS 26	27.0	D C
DPL 5690	1.13	B A C	GEORGIA KING	83.6	DB A C	SG 404	27.0	D C
STV KC311	1.13	B C	STV 474	83.3	DB C	STV 474	26.4	E D
STV 474	1.12	C	S-1001	83.3	D C	DP 5409	26.4	E D
PAYMASTER HS 26	1.07	D	STV KC311	83.1	D	SG 125	24.8	E

E

COLORIMETER - Rd

COLORIMETER - b

PAYMASTER HS 26	10.5	A	DP 5409	72.3	A	STV LA 887	8.3	A
STV LA 887	10.2	B A	STV KC311	71.8	A	PAYMASTER HS 26	8.1	A
SG 125	10.2	B A	S-1001	71.7	A	STV 474	8.1	A
DELTAPINE 5415	10.0	B C	HS46	71.6	A	HS46	8.1	A
SUREGROW 501	10.0	B C	DELTAPINE 5415	71.4	A	SG 125	8.0	B A
H 1560 (HARTZ)	10.0	B C	STV LA 887	71.4	A	H 1560 (HARTZ)	8.0	B A
SG 404	10.0	B C	DPL 5690	71.0	A	GEORGIA KING	8.0	B A
STV 474	10.0	B C	H 1560 (HARTZ)	70.9	A	DP 5409	7.9	B A
DP 5409	10.0	B C	SG 404	70.3	B A	STV KC311	7.9	B A
DPL 5690	9.9	B C	SUREGROW 501	70.2	B A	S-1001	7.9	B A
HS46	9.9	B C	GEORGIA KING	69.9	B A	SUREGROW 501	7.9	B A
STV KC311	9.9	B C	ACALA MAXXA	69.8	B A	ACALA MAXXA	7.8	B A
ACALA MAXXA	9.8	B C	SG 125	69.6	B A	DELTAPINE 5415	7.8	B A
S-1001	9.8	B C	STV 474	69.3	B A	SG 404	7.8	B A
GEORGIA KING	9.8	C	PAYMASTER HS 26	67.5	B	DPL 5690	7.3	B

MICRONAIRE (SL-HVI)

OIL (PERCENT)

NITROGEN (PERCENT)

PAYMASTER HS 26	4.62	A	PAYMASTER HS 26	22.51	A	ACALA MAXXA	4.04	A
DELTAPINE 5415	4.40	B A	STV KC311	21.12	B	STV 474	3.94	B A

STV 474	4.37	B A C	ACALA MAXXA	20.75	C B	SG 125	3.81	B C
SG 125	4.35	B A C	DPL 5690	20.64	C B	S-1001	3.77	B C D
SUREGROW 501	4.27	B D C	HS46	20.25	C B D	DP 5409	3.73	C D
SG 404	4.27	B D C	DP 5409	20.25	C B D	DPL 5690	3.72	C D
GEORGIA KING	4.22	EB D C	GEORGIA KING	20.24	C B D	HS46	3.72	C D
DPL 5690	4.05	EF D C	S-1001	20.19	C B D	GEORGIA KING	3.70	E C D
STV KC311	4.00	EF D	STV 474	19.91	C B D	SUREGROW 501	3.68	E C D
S-1001	4.00	EF D	SUREGROW 501	19.73	C E D	H 1560 (HARTZ)	3.68	E C D
DP 5409	4.00	EF D	SG 125	19.68	C E D	STV KC311	3.64	E C D
H 1560 (HARTZ)	3.98	EF D	SG 404	19.61	C E D	STV LA 887	3.64	E C D
HS46	3.97	EF D	STV LA 887	19.17	E D	SG 404	3.60	E C D
STV LA 887	3.93	EF	H 1560 (HARTZ)	19.11	E D	PAYMASTER HS 26	3.58	E D
ACALA MAXXA	3.88	F	DELTAPINE 5415	18.55	E	DELTAPINE 5415	3.50	E

 FREE GOSSYPOL (PERCENT)

STV 474	0.83	A
PAYMASTER HS 26	0.82	A
DP 5409	0.80	A
STV KC311	0.76	A
STV LA 887	0.75	A
SG 125	0.75	A
H 1560 (HARTZ)	0.73	A
S-1001	0.72	B A
SUREGROW 501	0.72	B A
SG 404	0.72	B A
DELTAPINE 5415	0.71	B A C
DPL 5690	0.70	B A C
GEORGIA KING	0.70	B A C
ACALA MAXXA	0.59	B C
HS46	0.58	C

 SEED YIELD (LB/ACRE)

STV KC311	1969	A
SG 404	1932	B A
SUREGROW 501	1903	B A
H 1560 (HARTZ)	1884	B A
SG 125	1867	B A C
GEORGIA KING	1831	B A C
DPL 5690	1800	B A C
S-1001	1788	B A C
STV LA 887	1787	B A C
STV 474	1763	B A C
DP 5409	1761	B A C
DELTAPINE 5415	1745	B A C
HS46	1680	B C
PAYMASTER HS 26	1618	C
ACALA MAXXA	1081	D

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	479	A
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 AREALOMETER - D (mm²/mm³)

ACALA MAXXA	34.7	A
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 AREALOMETER - I

ACALA MAXXA	1.9	A
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STV LA 887	475	B A	STV LA 887	34.4	A	STV LA 887	1.8	A
SG 125	448	B C	SG 125	34.2	A	SG 125	1.8	A
PAYMASTER HS 26	427	C	PAYMASTER HS 26	30.8	A	PAYMASTER HS 26	1.8	A

AREALOMETER - M (PERCENT)

PAYMASTER HS 26	82	A
SG 125	80	A
STV LA 887	80	A
ACALA MAXXA	80	A

AREALOMETER - p (Microns)

PAYMASTER HS 26	52.30	A
SG 125	51.57	B A
STV LA 887	48.72	B
ACALA MAXXA	48.59	B

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.74	A
SG 125	4.46	A
STV LA 887	3.97	B
ACALA MAXXA	3.93	B

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.83	A
SG 125	2.68	B A
STV LA 887	2.53	B
ACALA MAXXA	2.50	B

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
AUBURN, AL	1395	A	4.46	40.5	9.5	112	1.13	0.55	203	8.3	4.22
FLORENCE, SC	1159	B	5.22	43.2	9.8	126	1.14	0.57	202	8.7	4.38
BELLE MINA, AL	1124	B	5.11	40.3	10.1	120	1.15	0.56	209	8.4	3.97

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AUBURN, AL	1.13	83.6	28.2	10.1	66.5 7.4	4.19	2073	20.10	3.65	0.63
FLORENCE, SC	1.13	84.2	27.8	9.9	76.1 7.7	4.36	1526	20.49	3.80	0.74
BELLE MINA, AL	1.15	84.0	27.5	10.0	69.1 8.7	3.91	1685	19.75	3.70	0.81

Arealometer Data

LOCATION	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
AUBURN, AL	451	32.1	1.80	81	50.25	4.33	2.7
FLORENCE, SC	448	30.2	1.76	83	49.52	4.28	2.7
BELLE MINA, AL	472	38.3	1.92	77	51.12	4.21	2.5

AUBURN, AL

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. 50% S.L. (inches) (inches)	Stelometer T1 E1 (mN/tex) (%)	MICRONAIRE (Reading)	
SG 125	1600	A	5.09	42.3	10.4	100	1.14 0.55	185 8.4	4.40
STV LA 887	1514	B A	4.73	41.3	9.9	119	1.14 0.54	207 8.5	4.05
SUREGROW 501	1506	B A	4.04	41.2	8.8	118	1.11 0.55	211 8.3	4.35

DP 5409	1470	B A	4.33	40.6	9.6	111	1.13	0.55	195	8.5	4.15
H 1560 (HARTZ)	1466	B A	4.56	41.7	8.7	118	1.14	0.55	208	9.4	4.05
GEORGIA KING	1456	B A	4.73	40.5	9.8	110	1.16	0.55	211	7.6	4.35
SG 404	1452	B A	4.65	38.9	10.0	107	1.12	0.55	195	9.0	4.35
STV 474	1436	B A	4.23	42.1	9.5	101	1.13	0.53	196	7.9	4.55
DELTAPINE 5415	1423	B A	4.11	39.9	8.3	104	1.13	0.56	192	9.1	4.45
DPL 5690	1406	B A	3.55	40.2	10.0	119	1.14	0.55	203	7.8	4.05
HS46	1403	B	4.36	41.0	8.4	117	1.15	0.55	213	8.3	4.10
STV KC311	1389	B	4.24	39.6	9.1	116	1.11	0.53	215	7.6	4.15
S-1001	1347	B	4.30	40.2	9.6	114	1.11	0.54	211	8.4	4.20
PAYMASTER HS 26	1157	C	4.59	38.0	11.0	107	1.10	0.55	201	9.0	4.30
ACALA MAXXA	897	D	5.34	40.1	10.0	122	1.15	0.55	209	7.5	3.80

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.13	84.5	25.9	10.5	65.1	7.7	4.50	2196	19.16	3.82	0.51
STV LA 887	1.14	83.7	28.0	10.5	70.6	7.7	3.95	2061	19.78	3.49	0.59
SUREGROW 501	1.11	83.1	29.8	10.0	67.1	7.5	4.35	2256	20.04	3.62	0.69
DP 5409	1.14	83.8	27.5	10.0	69.6	7.4	4.30	2165	20.07	3.66	0.66
H 1560 (HARTZ)	1.13	83.9	28.5	10.0	65.3	7.2	3.95	1997	19.52	3.61	0.61
GEORGIA KING	1.14	83.2	27.3	10.0	66.2	7.4	4.35	2271	20.63	3.72	0.61
SG 404	1.13	83.7	26.2	10.0	65.6	7.4	4.10	2416	19.55	3.54	0.65
STV 474	1.12	82.9	26.3	10.0	63.4	7.3	4.45	1946	19.63	3.85	0.76
DELTAPINE 5415	1.15	84.4	27.4	10.0	68.4	7.4	4.40	2178	19.34	3.50	0.65
DPL 5690	1.12	83.7	29.4	9.9	65.3	6.6	4.05	2159	20.60	3.87	0.63
HS46	1.13	82.8	30.8	10.0	67.0	7.3	4.10	1985	20.44	3.53	0.38
STV KC311	1.11	82.5	29.4	10.0	68.2	7.4	4.10	2208	20.98	3.54	0.74
S-1001	1.13	83.7	28.7	9.9	67.7	7.3	4.10	2003	19.67	3.71	0.72
PAYMASTER HS 26	1.08	83.9	27.6	11.0	63.0	8.0	4.30	1842	22.13	3.52	0.65
ACALA MAXXA	1.17	83.9	30.4	10.0	65.7	7.3	3.80	1409	19.97	3.80	0.53

AUBURN, AL

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	419	27.3	1.70	85	51.13	4.72	2.9
STV LA 887	470	33.0	1.82	81	48.64	4.00	2.6
SUREGROW 501	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.
H 1560 (HARTZ)	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
SG 404	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
PAYMASTER HS 26	433	29.8	1.76	83	50.93	4.54	2.8
ACALA MAXXA	481	38.5	1.92	77	50.30	4.05	2.5

FLORENCE, SC

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
STV 474	1345	A	4.85	44.6	9.7	115	1.10	0.55	201	9.0	4.55
SG 125	1254	B A	5.35	43.5	10.1	117	1.16	0.58	171	9.8	4.40
SUREGROW 501	1233	B	4.75	44.6	8.8	134	1.13	0.58	204	10	4.50
H 1560 (HARTZ)	1228	B	5.65	43.2	10.4	126	1.15	0.56	199	8.1	4.40
STV LA 887	1211	B C	5.95	43.5	10.9	132	1.15	0.57	206	8.4	4.30
SG 404	1207	B C	5.05	41.2	10.4	128	1.13	0.58	208	8.4	4.65
DPL 5690	1158	B C D	5.10	42.9	9.2	123	1.15	0.56	204	7.5	4.35
DP 5409	1115	E C D	4.55	42.6	8.7	116	1.13	0.55	170	9.0	4.30
S-1001	1111	E C D	4.50	42.9	8.9	134	1.15	0.56	215	8.6	4.00
STV KC311	1097	E D	4.55	42.8	8.9	131	1.12	0.56	214	7.9	4.05

GEORGIA KING	1089	E D	5.80	43.3	10.4	126	1.18	0.58	213	8.8	4.50
PAYMASTER HS 26	1034	E F	6.35	40.7	11.4	115	1.07	0.56	190	9.9	4.80
HS46	1010	E F	5.10	43.1	10.0	129	1.17	0.57	212	7.8	4.10
DELTAPINE 5415	976	F	4.95	44.2	8.6	121	1.14	0.56	210	9.5	4.70
ACALA MAXXA	796	G	5.85	44.9	11.5	144	1.16	0.59	213	7.5	4.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
STV 474	1.12	83.9	26.5	10.0	74.0	7.6	4.55	1585	21.27	4.08	0.70
SG 125	1.15	85.4	24.0	10.0	75.6	8.0	4.35	1657	20.44	3.91	0.84
SUREGROW 501	1.14	85.3	28.3	10.0	75.2	7.6	4.45	1744	20.03	3.83	0.48
H 1560 (HARTZ)	1.15	84.3	27.5	10.0	76.5	7.9	4.35	1899	19.36	3.78	0.76
STV LA 887	1.15	84.1	29.4	10.0	74.7	8.5	4.15	1482	18.83	3.76	0.80
SG 404	1.15	86.1	27.1	10.0	76.3	7.3	4.60	1577	20.12	3.71	0.69
DPL 5690	1.14	85.0	27.8	10.0	76.8	7.0	4.30	1459	21.05	3.66	0.71
DP 5409	1.13	83.3	25.5	9.9	77.6	7.8	4.05	1308	20.59	3.87	0.91
S-1001	1.11	82.0	29.8	9.7	77.7	7.8	4.05	1678	20.17	3.86	0.65
STV KC311	1.12	82.6	29.6	9.8	76.8	7.9	4.10	1790	21.21	3.75	0.71
GEORGIA KING	1.15	84.2	27.9	9.9	75.3	7.3	4.55	1680	20.52	3.73	0.77
PAYMASTER HS 26	1.06	83.9	27.6	10.0	73.4	8.0	4.90	1257	22.60	3.57	0.88
HS46	1.17	84.1	29.0	9.8	77.0	7.8	4.15	1499	20.71	3.91	0.84
DELTAPINE 5415	1.13	83.9	27.9	10.0	78.3	7.8	4.75	1573	19.37	3.57	0.73
ACALA MAXXA	1.16	85.3	29.9	9.8	76.7	7.2	4.10	696	21.18	4.08	0.63

FLORENCE, SC

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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STV 474
SG 125	464	34.3	1.84	80	49.96	4.16	2.6		
SUREGROW 501
H 1560 (HARTZ)
STV LA 887	448	28.0	1.72	85	48.19	4.15	2.7		
SG 404	.	.	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.	.	.
PAYMASTER HS 26	414	29.0	1.74	84	52.77	4.92	2.9		
HS46	.	.	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.	.	.
ACALA MAXXA	467	29.5	1.75	83	47.17	3.91	2.6		

BELLE MINA, AL

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
STV 474	1345	A	4.56	43.3	9.6	112	1.11	0.54	199	9.1	4.25
SG 125	1254	B A	5.47	41.9	10.1	110	1.13	0.55	178	9.1	4.25
SUREGROW 501	1233	B	5.09	41.7	9.4	122	1.15	0.55	212	9.4	4.10
H 1560 (HARTZ)	1228	B	4.91	41.2	10.3	120	1.17	0.57	203	8.8	3.60
STV LA 887	1211	B C	5.63	41.1	10.5	122	1.16	0.55	213	8.8	3.85
SG 404	1207	B C	4.74	40.3	9.9	119	1.15	0.56	210	9.0	4.20
DPL 5690	1158	B C D	4.93	39.4	9.4	131	1.14	0.57	225	7.5	3.65
DP 5409	1115	E C D	4.45	39.0	9.4	107	1.15	0.55	197	8.8	3.65
S-1001	1111	E C D	5.10	39.2	9.9	126	1.17	0.57	223	7.5	4.05
STV KC311	1097	E D	5.06	38.0	9.6	128	1.16	0.55	222	7.4	3.90
GEORGIA KING	1089	E D	5.13	40.6	9.8	122	1.17	0.56	203	7.8	3.75
PAYMASTER HS 26	1034	E F	6.23	37.4	12.9	106	1.10	0.56	194	9.1	4.70
HS46	1010	E F	5.27	39.7	9.6	126	1.18	0.57	222	7.5	3.60
DELTAPINE 5415	976	F	4.67	39.9	8.6	115	1.16	0.55	209	9.8	4.20
ACALA MAXXA	796	G	5.39	41.2	12.0	130	1.19	0.57	223	7.3	3.80

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
STV 474	1.11	83.2	26.5	10.0	70.6	9.3	4.10	1759	18.85	3.88	1.03
SG 125	1.16	84.2	24.6	10.0	68.1	8.3	4.20	1749	19.45	3.72	0.90
SUREGROW 501	1.17	85.2	27.0	10.0	68.4	8.6	4.00	1711	19.12	3.59	0.99
H 1560 (HARTZ)	1.16	84.1	25.8	10.0	70.8	8.9	3.65	1758	18.46	3.67	0.81
STV LA 887	1.17	83.8	28.1	10.0	68.8	8.7	3.70	1818	18.92	3.66	0.85
SG 404	1.14	84.6	27.7	10.0	69.1	8.8	4.10	1803	19.17	3.55	0.83
DPL 5690	1.14	83.0	30.2	9.9	70.9	8.5	3.80	1784	20.27	3.64	0.77
DP 5409	1.16	83.8	26.1	10.0	69.6	8.6	3.65	1811	20.10	3.67	0.83
S-1001	1.17	84.2	30.0	9.9	69.9	8.7	3.85	1683	20.73	3.76	0.78
STV KC311	1.16	84.2	29.3	10.0	70.5	8.5	3.80	1912	21.18	3.62	0.83
GEORGIA KING	1.15	83.4	27.2	9.4	68.1	9.2	3.75	1543	19.58	3.67	0.74
PAYMASTER HS 26	1.09	84.2	25.9	10.5	66.0	8.5	4.65	1756	22.81	3.64	0.94
HS46	1.17	84.3	28.3	10.0	71.0	9.1	3.65	1559	19.61	3.72	0.53
DELTAPINE 5415	1.17	83.7	26.5	10.0	67.4	8.2	4.05	1485	16.95	3.44	0.73
ACALA MAXXA	1.15	84.1	29.2	9.7	67.0	9.0	3.75	1139	21.11	4.24	0.63

BELLE MINA, AL

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV 474	.	.	.	.	.	.	.
SG 125	462	41.0	1.97	75	53.61	4.49	2.6
SUREGROW 501	.	.	.	.	.	.	.
H 1560 (HARTZ)	.	.	.	.	.	.	.
STV LA 887	507	42.3	1.99	74	49.33	3.76	2.3

SG 404	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
PAYMASTER HS 26	433	33.8	1.83	80	53.21	4.75	2.8
HS46	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
ACALA MAXXA	488	36.0	1.88	79	48.31	3.83	2.4



1996 DELTA REGIONAL COTTON VARIETY TEST REGIONAL SUMMARY

1996 DELTA REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
STV 474	1269	A	5.34	41.4	10.4	117	1.11	0.56	194	8.0	4.96
SG 125	1239	B A	5.66	39.0	10.4	114	1.14	0.57	190	9.1	4.74
H 1215 Hartz	1185	B A C	5.74	39.4	11.7	119	1.14	0.58	195	8.3	4.63
STV LA 887	1156	DB A C	6.07	39.3	11.0	131	1.15	0.58	215	8.1	4.54
DP 5409	1143	DB A C	5.02	38.5	10.0	115	1.13	0.55	188	8.6	4.61

DPL 51	1072	DB	C	5.24	38.2	10.3	113	1.14	0.56	188	8.9	4.61
H 1330 (HARTZ)	1050	D	C	5.71	37.8	11.0	129	1.14	0.57	206	7.8	4.56
SUREGROW 501	1036	D	C	5.39	40.2	10.0	135	1.14	0.58	210	8.5	4.76
PAYMASTER HS 26	998	D		6.40	36.2	12.1	121	1.10	0.57	210	9.1	4.69
ACALA MAXXA	726		E	6.10	36.6	11.8	143	1.15	0.58	235	7.3	4.06

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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STV 474	1.11	84.0	28.2	10.0	68.9	7.8	4.95	1745	20.91	3.64	1.14
SG 125	1.15	84.6	25.5	10.0	69.2	7.6	4.85	1960	20.13	3.64	0.84
H 1215 Hartz	1.14	85.0	27.9	10.0	70.6	7.8	4.76	1802	20.17	3.84	1.04
STV LA 887	1.14	84.0	30.4	9.9	68.8	7.6	4.46	1751	20.73	3.52	0.91
DP 5409	1.12	82.9	27.4	9.7	70.8	7.6	4.56	1748	21.07	3.54	0.88
DPL 51	1.14	83.8	25.6	9.7	72.3	7.4	4.59	1800	20.36	3.40	0.92
H 1330 (HARTZ)	1.14	83.3	28.3	9.9	69.9	7.5	4.63	1730	21.49	3.64	0.69
SUREGROW 501	1.13	84.5	31.5	9.9	69.1	7.2	4.75	1450	20.12	3.43	0.98
PAYMASTER HS 26	1.08	83.8	29.9	10.0	69.2	7.3	4.69	1737	22.14	3.71	0.83
ACALA MAXXA	1.15	84.3	32.0	9.4	69.4	7.3	4.10	1562	21.09	4.03	0.69

VARIETIES COMBINING LOCATIONS

 Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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STV 474
SG 125	433	32.9	1.81	81	52.71	4.74	2.79
H 1215 Hartz
STV LA 887	445	28.5	1.72	84	48.59	4.24	2.77
DP 5409	.	.	.	.	.	.	.

DPL 51	.	.	.	.	.	.	.
H 1330 (HARTZ)	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
PAYMASTER HS 26	425	31.8	1.79	82	52.88	4.81	2.85
ACALA MAXXA	479	33.1	1.82	81	47.80	3.87	2.51

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

PAYMASTER HS 26	6.40	A	STV 474	41.4	A	PAYMASTER HS 26	12.1	A
ACALA MAXXA	6.10	A	SUREGROW 501	40.2	B A	ACALA MAXXA	11.8	B A
STV LA 887	6.07	A	H 1215 Hartz	39.4	B A C	H 1215 Hartz	11.7	B A
H 1215 Hartz	5.74	B	STV LA 887	39.3	B A C	STV LA 887	11.0	B C
H 1330 (HARTZ)	5.71	C B	SG 125	39.0	B A C	H 1330 (HARTZ)	11.0	B C
SG 125	5.66	C B D	DP 5409	38.5	B A C	SG 125	10.4	D C
SUREGROW 501	5.39	C E D	DPL 51	38.2	B C	STV 474	10.4	D C
STV 474	5.34	F E D	H 1330 (HARTZ)	37.8	B C	DPL 51	10.3	D C
DPL 51	5.24	F E	ACALA MAXXA	36.6	C	SUREGROW 501	10.0	D
DP 5409	5.02	F	PAYMASTER HS 26	36.2	C	DP 5409	10.0	D

YARN TENACITY

FIBROGRAPH--2.5% S. L.

FIBROGRAPH--50% S. L.

ACALA MAXXA	143	A	ACALA MAXXA	1.15	A	SUREGROW 501	0.58	A
SUREGROW 501	135	B	STV LA 887	1.15	A	ACALA MAXXA	0.58	B A
STV LA 887	131	B	SUREGROW 501	1.14	A	STV LA 887	0.58	B A
H 1330 (HARTZ)	129	B	H 1215 Hartz	1.14	A	H 1215 Hartz	0.58	B A
PAYMASTER HS 26	121	C	H 1330 (HARTZ)	1.14	A	PAYMASTER HS 26	0.57	B A C
H 1215 Hartz	119	D C	SG 125	1.14	B A	SG 125	0.57	B A C
STV 474	117	D C	DPL 51	1.14	B A	H 1330 (HARTZ)	0.57	B A C
DP 5409	115	D C	DP 5409	1.13	B A C	STV 474	0.56	B A C
SG 125	114	D	STV 474	1.11	B C	DPL 51	0.56	B C
DPL 51	113	D	PAYMASTER HS 26	1.10	C	DP 5409	0.55	C

STELOMETER - T1

STELOMETER - E1

MICRONAIRE

ACALA MAXXA	235	A	PAYMASTER HS 26	9.1	A	STV 474	4.96	A
STV LA 887	215	B	SG 125	9.1	A	SUREGROW 501	4.76	B A
SUREGROW 501	210	B	DPL 51	8.9	B A	SG 125	4.74	B A
PAYMASTER HS 26	210	B	DP 5409	8.6	B A C	PAYMASTER HS 26	4.69	B A
H 1330 (HARTZ)	206	B	SUREGROW 501	8.5	DB A C	H 1215 Hartz	4.63	B A
H 1215 Hartz	195	C	H 1215 Hartz	8.3	DB C	DPL 51	4.61	B A
STV 474	194	C	STV LA 887	8.1	D C	DP 5409	4.61	B A
SG 125	190	C	STV 474	8.0	D C	H 1330 (HARTZ)	4.56	B
DP 5409	188	C	H 1330 (HARTZ)	7.8	D E	STV LA 887	4.54	B
DPL 51	188	C	ACALA MAXXA	7.3	E	ACALA MAXXA	4.06	C

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

ACALA MAXXA	1.15	A	H 1215 Hartz	85.0	A	ACALA MAXXA	32.0	A
SG 125	1.15	A	SG 125	84.6	B A	SUREGROW 501	31.5	B A
H 1215 Hartz	1.14	A	SUREGROW 501	84.5	B A	STV LA 887	30.4	B C
H 1330 (HARTZ)	1.14	B A	ACALA MAXXA	84.3	B A	PAYMASTER HS 26	29.9	C
DPL 51	1.14	B A	STV 474	84.0	B C	H 1330 (HARTZ)	28.3	D
STV LA 887	1.14	B A	STV LA 887	84.0	B C	STV 474	28.2	D
SUREGROW 501	1.13	B A C	DPL 51	83.8	B C	H 1215 Hartz	27.9	D
DP 5409	1.12	B C	PAYMASTER HS 26	83.8	B C	DP 5409	27.4	D
STV 474	1.11	C	H 1330 (HARTZ)	83.3	D C	DPL 51	25.6	E
PAYMASTER HS 26	1.08	D	DP 5409	82.9	D	SG 125	25.5	E

E

COLORIMETER - Rd

COLORIMETER - b

PAYMASTER HS 26	10.0	A	DPL 51	72.3	A	H 1215 Hartz	7.8	A
H 1215 Hartz	10.0	A	DP 5409	70.8	B	STV 474	7.8	A
STV 474	10.0	A	H 1215 Hartz	70.6	C B	SG 125	7.6	A
SG 125	10.0	A	H 1330 (HARTZ)	69.9	C B D	STV LA 887	7.6	A
SUREGROW 501	9.9	A	ACALA MAXXA	69.4	C B D	DP 5409	7.6	A
STV LA 887	9.9	A	SG 125	69.2	C B D	H 1330 (HARTZ)	7.5	A
H 1330 (HARTZ)	9.9	A	PAYMASTER HS 26	69.2	C B D	DPL 51	7.4	A
DPL 51	9.7	A	SUREGROW 501	69.1	C D	PAYMASTER HS 26	7.3	A

DP 5409	9.7	A	STV 474	68.9	D	ACALA MAXXA	7.3	A
ACALA MAXXA	9.4	B	STV LA 887	68.8	D	SUREGROW 501	7.2	A

 MICRONAIRE (SL-HVI)

STV 474	4.95	A
SG 125	4.85	B A
H 1215 Hartz	4.76	B A
SUREGROW 501	4.75	B A
PAYMASTER HS 26	4.69	B A
H 1330 (HARTZ)	4.63	B A
DPL 51	4.59	B A
DP 5409	4.56	B A
STV LA 887	4.46	B C
ACALA MAXXA	4.10	C

 OIL (PERCENT)

PAYMASTER HS 26	22.14	A
H 1330 (HARTZ)	21.49	B A
ACALA MAXXA	21.09	B C
DP 5409	21.07	B C
STV 474	20.91	B C
STV LA 887	20.73	B C
DPL 51	20.36	C
H 1215 Hartz	20.17	C
SG 125	20.13	C
SUREGROW 501	20.12	C

 NITROGEN (PERCENT)

ACALA MAXXA	4.03	A
H 1215 Hartz	3.84	B
PAYMASTER HS 26	3.71	C B
SG 125	3.64	C D
STV 474	3.64	C D
H 1330 (HARTZ)	3.64	C D
DP 5409	3.54	C D E
STV LA 887	3.52	D E
SUREGROW 501	3.43	E
DPL 51	3.40	E

 FREE GOSSYPOL (PERCENT)

STV 474	1.14	A
H 1215 Hartz	1.04	B A
SUREGROW 501	0.98	B A C
DPL 51	0.92	B C
STV LA 887	0.91	B C
DP 5409	0.88	B D C
SG 125	0.84	D C
PAYMASTER HS 26	0.83	D C
ACALA MAXXA	0.69	D
H 1330 (HARTZ)	0.69	D

 SEED YIELD (LB/ACRE)

SG 125	1960	A
H 1215 Hartz	1802	B A
DPL 51	1800	B A
STV LA 887	1750	B A
DP 5409	1748	B A
STV 474	1744	B A
PAYMASTER HS 26	1736	B A
H 1330 (HARTZ)	1730	B A
ACALA MAXXA	1561	B
SUREGROW 501	1450	B

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	479	A
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 AREALOMETER - D (mm²/mm³)

ACALA MAXXA	33.1	A
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 AREALOMETER - I

ACALA MAXXA	1.8	A
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STV LA 887	445	B	SG 125	32.9	A	SG 125	1.8	A
SG 125	433	B	PAYMASTER HS 26	31.8	A	PAYMASTER HS 26	1.8	A
PAYMASTER HS 26	425	B	STV LA 887	28.5	A	STV LA 887	1.7	A

AREALOMETER - M (PERCENT)

STV LA 887	84	A
PAYMASTER HS 26	82	A
SG 125	81	A
ACALA MAXXA	81	A

AREALOMETER - p (Microns)

PAYMASTER HS 26	52.88	A
SG 125	52.71	A
STV LA 887	48.59	B
ACALA MAXXA	47.80	B

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.81	A
SG 125	4.74	A
STV LA 887	4.24	B
ACALA MAXXA	3.87	B

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.85	A
SG 125	2.79	A
STV LA 887	2.77	A
ACALA MAXXA	2.51	B

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
SAINT JOSEPH, LA	1287	A	5.20	40.4	9.9	129	1.11	0.58	203	7.6	5.02
CLARKEDALE, AR	1107	B	5.75	39.3	11.0	137	1.16	0.59	215	8.9	4.33
STONEVILLE, MS	1097	B	.	36.4	10.7	109	1.12	0.56	191	8.3	4.46
PORTAGEVILLE, MO	855	C	6.05	39.6	11.9	119	1.14	0.57	202	8.7	4.66

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
SAINT JOSEPH, LA	1.11	84.1	28.7	9.9	76.3 7.4	5.04	1839	21.89	3.31	1.04
CLARKEDALE, AR	1.15	84.7	29.3	9.9	76.2 7.8	4.31	1690	20.58	3.96	0.86
STONEVILLE, MS	1.11	83.1	28.2	9.9	67.1 7.5	4.42	1995	20.24	3.43	0.82
PORTAGEVILLE, MO	1.14	84.2	28.5	9.7	59.5 7.3	4.77	1257	20.57	3.85	0.84

Arealometer Data

LOCATION	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SAINT JOSEPH, LA	417	24.0	1.63	88	49.30	4.59	3.0
CLARKEDALE, AR	461	34.1	1.84	80	50.23	4.25	2.6
STONEVILLE, MS	472	37.3	1.89	78	50.46	4.14	2.5
PORTAGEVILLE, MO	430	30.9	1.78	82	52.00	4.68	2.8

SAINT JOSEPH, LA

VARIETY	YARN		Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/tex)	2.5% S.L. (inches)		50% S.L. (inches)	T1 (mN/tex)	E1 (%)

STV 474	1474	A	4.80	43.0	9.4	124	1.09	0.58	201	7.4	5.45
STV LA 887	1451	A	5.80	41.5	10.3	134	1.13	0.59	213	7.6	5.15
DP 5409	1419	B A	4.40	40.4	8.2	116	1.09	0.54	182	7.9	4.95
SG 125	1397	B A	5.25	40.4	9.7	120	1.11	0.59	185	7.6	5.20
H 1215 Hartz	1359	B A	5.25	40.9	10.9	124	1.14	0.59	200	8.3	5.00
DPL 51	1331	B A	4.75	40.0	9.2	113	1.11	0.58	183	8.3	5.30
SUREGROW 501	1278	B C	4.95	41.8	9.0	137	1.12	0.59	209	7.5	5.15
H 1330 (HARTZ)	1186	C	5.35	38.8	10.0	134	1.11	0.56	209	7.1	5.15
PAYMASTER HS 26	1148	C	5.75	37.4	11.0	133	1.09	0.56	213	8.0	4.70
ACALA MAXXA	826	D	5.70	39.7	11.3	155	1.15	0.59	234	6.8	4.10

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
STV 474	1.10	83.5	29.1	10.0	75.5	7.8	5.40	1922	22.26	3.14	1.44
STV LA 887	1.13	84.1	30.2	10.0	76.8	8.0	5.15	2087	22.37	3.28	1.19
DP 5409	1.09	82.7	25.8	9.5	76.7	7.2	4.95	2048	22.26	3.15	1.12
SG 125	1.14	85.0	26.1	10.0	75.5	7.6	5.20	2020	21.03	3.38	0.95
H 1215 Hartz	1.15	84.7	28.0	10.0	76.2	7.8	5.10	1984	21.79	3.38	1.25
DPL 51	1.12	83.9	24.9	10.0	79.1	6.8	5.35	2003	21.56	3.17	1.21
SUREGROW 501	1.12	85.0	32.1	10.0	73.9	7.0	5.20	1612	21.03	3.17	1.11
H 1330 (HARTZ)	1.13	83.9	29.0	10.0	75.4	7.0	5.10	1761	23.18	3.29	0.48
PAYMASTER HS 26	1.06	83.6	28.8	10.0	76.5	7.5	4.80	1840	22.25	3.43	0.95
ACALA MAXXA	1.13	84.5	33.0	9.4	77.9	7.8	4.15	1108	21.16	3.75	0.74

SAINT JOSEPH, LA

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV 474

STV LA 887	393	17.3	1.49	94	47.50	4.67	3.2
DP 5409	.	.	.	.	.	.	.
SG 125	392	24.3	1.64	88	52.72	5.21	3.2
H 1215 Hartz	.	.	.	.	.	.	.
DPL 51	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
H 1330 (HARTZ)	.	.	.	.	.	.	.
PAYMASTER HS 26	419	26.8	1.69	85	50.76	4.68	2.9
ACALA MAXXA	466	27.8	1.72	85	46.24	3.83	2.6

STONEVILLE, MS

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
H 1215 Hartz	1297	A	.	38.6	12.1	108	1.13	0.58	179	8.0	4.45
STV LA 887	1277	A	.	38.3	10.5	114	1.11	0.56	203	8.0	4.30
STV 474	1261	A	.	39.2	10.8	108	1.13	0.56	186	7.8	5.00
SUREGROW 501	1153	B	.	38.8	10.1	124	1.10	0.55	209	8.5	4.80
SG 125	1148	C B	.	36.3	10.2	97	1.11	0.56	178	8.9	4.45
DP 5409	1130	C B	.	36.5	10.0	103	1.13	0.54	181	8.8	4.50
DPL 51	1060	C B D	.	36.8	10.6	98	1.10	0.53	180	9.0	4.50
H 1330 (HARTZ)	1053	C D	.	36.0	11.0	119	1.13	0.56	194	7.5	4.50
PAYMASTER HS 26	1025	D	.	35.5	11.0	103	1.10	0.55	187	8.6	4.40
ACALA MAXXA	563	E	.	28.3	10.2	120	1.14	0.56	218	7.6	3.70

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
H 1215 Hartz	1.15	84.7	27.2	10.0	69.3	7.6	4.45	2028	19.55	3.73	0.95
STV LA 887	1.10	82.6	29.8	10.0	65.8	7.9	4.20	2022	19.88	3.20	0.77

STV 474	1.11	83.8	28.7	10.0	65.8	7.7	5.00	1885	20.06	3.58	0.96
SUREGROW 501	1.09	83.0	31.1	10.0	67.4	7.4	4.75	1824	19.34	3.29	0.89
SG 125	1.12	84.0	24.9	9.9	65.0	7.7	4.35	2085	19.48	3.34	0.86
DP 5409	1.11	81.9	27.4	10.0	69.1	7.8	4.35	1937	20.18	3.34	0.76
DPL 51	1.11	82.5	25.0	10.0	69.7	7.1	4.45	1985	20.21	3.17	0.87
H 1330 (HARTZ)	1.12	83.0	27.5	9.9	66.9	7.6	4.65	1806	21.43	3.44	0.79
PAYMASTER HS 26	1.08	83.3	29.8	10.0	65.9	7.1	4.25	1979	21.40	3.52	0.70
ACALA MAXXA	1.12	82.9	30.7	9.5	66.4	7.1	3.75	2401	20.89	3.72	0.69

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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H 1215 Hartz
STV LA 887	468	33.3	1.82	81	48.80	4.02	2.6
STV 474
SUREGROW 501
SG 125	460	40.3	1.95	76	53.46	4.50	2.6
DP 5409	.	.	.	.	.	.	.
DPL 51	.	.	.	.	.	.	.
H 1330 (HARTZ)	.	.	.	.	.	.	.
PAYMASTER HS 26	449	37.8	1.89	78	52.80	4.54	2.7
ACALA MAXXA	514	38.0	1.92	77	46.78	3.51	2.3

CLARKEDALE, AR

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)

STV 474	1366	A	5.27	42.6	10.4	124	1.10	0.56	199	8.3	4.45
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SG 125	1323	B A	5.66	39.9	10.6	127	1.17	0.58	202	10	4.40
DP 5409	1164	B A C	5.12	39.3	9.8	128	1.14	0.57	200	9.1	4.50
DPL 51	1147	B A C	5.32	38.3	9.8	130	1.19	0.59	203	9.6	4.05
H 1215 Hartz	1134	B A C	5.91	39.1	11.7	129	1.15	0.59	199	8.5	4.50
STV LA 887	1081	B A C	5.84	39.1	11.5	150	1.19	0.60	242	9.0	4.00
H 1330 (HARTZ)	1057	B C	5.85	37.6	10.9	141	1.15	0.58	213	8.0	4.20
PAYMASTER HS 26	1020	C	6.81	36.3	13.3	129	1.12	0.60	226	9.9	4.80
ACALA MAXXA	919	C	6.06	41.1	12.2	160	1.16	0.60	254	7.5	4.05
SUREGROW 501	863	C	5.69	40.2	10.2	147	1.19	0.61	217	8.8	4.35

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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STV 474	1.11	84.5	27.8	9.9	75.4	8.6	4.40	1828	21.15	4.05	0.99
SG 125	1.18	85.3	25.4	10.0	76.7	8.1	4.30	2075	19.39	3.87	0.79
DP 5409	1.13	83.3	28.3	9.9	77.6	7.8	4.40	1677	21.24	3.85	0.84
DPL 51	1.18	84.6	27.1	9.9	79.0	7.6	3.90	1767	19.95	3.58	0.81
H 1215 Hartz	1.15	85.7	28.3	10.0	76.3	8.2	4.75	1787	19.70	4.24	0.96
STV LA 887	1.17	85.2	32.3	10.0	74.5	8.0	3.80	1662	20.26	3.96	0.80
H 1330 (HARTZ)	1.17	82.7	28.3	9.9	77.0	7.8	4.20	1942	19.80	3.96	0.73
PAYMASTER HS 26	1.10	84.4	30.3	10.0	75.5	7.8	5.00	1734	22.67	3.92	0.94
ACALA MAXXA	1.19	85.8	33.0	9.8	74.5	7.5	4.00	1466	21.36	4.46	0.77
SUREGROW 501	1.18	85.5	32.5	10.0	75.9	7.3	4.30	963	20.26	3.78	0.94

CLARKEDALE, AR

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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STV 474
SG 125	459	36.5	1.88	79	51.59	4.36	2.6

DP 5409
DPL 51
H 1215 Hartz
STV LA 887	490	37.0	1.90	78	48.61	3.84	2.4	
H 1330 (HARTZ)	.	.	.	.	.	.	.	.
PAYMASTER HS 26	413	29.8	1.76	83	53.47	5.01	2.9	
ACALA MAXXA	483	33.0	1.82	81	47.25	3.78	2.5	
SUREGROW 501	.	.	.	.	.	.	.	.

PORTAGEVILLE, MO

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	1133	A	6.08	40.7	11.2	110	1.15	0.57	194	9.6	4.90
STV 474	980	B A	5.95	41.9	11.1	111	1.11	0.56	189	8.5	4.95
H 1330 (HARTZ)	902	B C	5.92	39.6	12.1	123	1.17	0.59	207	8.6	4.40
H 1215 Hartz	895	B C	6.07	39.3	12.1	113	1.15	0.58	202	8.4	4.55
DP 5409	868	B C	5.55	38.9	12.2	112	1.15	0.57	190	8.6	4.50
SUREGROW 501	791	D C	5.54	40.8	10.9	132	1.16	0.59	207	9.1	4.75
PAYMASTER HS 26	786	D C	6.65	36.1	13.1	118	1.10	0.57	214	10	4.85
DPL 51	756	D C	5.64	38.2	11.6	111	1.14	0.55	186	8.6	4.60
STV LA 887	756	D C	6.56	39.0	12.0	125	1.17	0.58	201	7.9	4.70
ACALA MAXXA	681	D	6.55	41.6	12.7	140	1.15	0.57	233	7.4	4.40

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.16	84.0	25.7	10.0	59.7	7.3	5.55	1598	20.60	3.97	0.76
STV 474	1.12	84.4	27.3	10.0	59.0	7.2	5.00	1274	20.17	3.78	1.16

H 1330 (HARTZ)	1.15	83.8	28.3	9.8	60.2	7.7	4.55	1374	21.56	3.90	0.77
H 1215 Hartz	1.14	85.0	28.4	10.0	60.5	7.8	4.75	1296	19.65	4.02	1.00
DP 5409	1.15	83.7	28.0	9.5	59.7	7.5	4.55	1235	20.62	3.84	0.79
SUREGROW 501	1.14	84.6	30.5	9.8	59.2	7.1	4.75	1215	19.86	3.50	0.98
PAYMASTER HS 26	1.09	84.0	30.8	10.0	59.0	7.0	4.70	1274	22.23	3.96	0.71
DPL 51	1.15	84.2	25.5	9.1	61.3	8.1	4.65	1353	19.72	3.70	0.78
STV LA 887	1.15	84.0	29.3	9.7	58.1	6.5	4.70	1097	20.41	3.64	0.88
ACALA MAXXA	1.15	84.3	31.1	9.0	58.9	6.9	4.50	854	20.95	4.22	0.56

PORTAGEVILLE, MO

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	421	30.8	1.78	82	53.07	4.88	2.9
STV 474	.	.	.	.	.	.	.
H 1330 (HARTZ)	.	.	.	.	.	.	.
H 1215 Hartz	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
PAYMASTER HS 26	419	32.8	1.82	81	54.50	5.03	2.9
DPL 51	.	.	.	.	.	.	.
STV LA 887	429	26.5	1.69	86	49.47	4.46	2.9
ACALA MAXXA	451	33.5	1.83	80	50.95	4.36	2.7



**1996 CENTRAL REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY**

1996 CENTRAL REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	953	A	4.55	39.4	9.4	121	1.10	0.56	190	8.3	4.63
DP 5409	940	A	4.33	38.6	8.9	118	1.10	0.55	192	7.8	4.58
DELTAPINE 50	914	B A	4.66	36.0	9.7	119	1.11	0.56	186	8.0	4.68
STV 474	904	B A	4.07	41.0	8.8	123	1.08	0.55	191	7.7	4.51
STV LA 887	871	B A	5.11	39.7	10.0	136	1.11	0.56	216	7.5	4.40
H 1560 (HARTZ)	865	B A	4.61	39.1	9.8	129	1.10	0.56	211	7.8	4.53
PAYMASTER HS 26	734	B	5.25	37.9	10.5	128	1.07	0.56	219	8.3	4.30
ACALA MAXXA	561	C	4.92	39.9	10.4	151	1.10	0.56	247	6.8	3.93

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.10	84.1	26.5	10.0	70.3	8.3	4.66	1480	19.22	3.69	0.61
DP 5409	1.10	82.9	27.2	9.9	72.6	7.7	4.51	1568	20.21	3.59	0.66
DELTAPINE 50	1.11	83.7	25.6	9.9	72.9	7.6	4.71	1688	20.40	3.48	0.71
STV 474	1.07	82.9	27.4	9.8	70.2	8.3	4.56	1355	18.94	3.69	0.81
STV LA 887	1.11	83.2	31.2	10.0	70.9	8.6	4.41	1367	19.90	3.56	0.69
H 1560 (HARTZ)	1.11	84.0	28.8	10.0	71.2	8.2	4.46	1399	20.18	3.59	0.76
PAYMASTER HS 26	1.05	83.3	30.3	10.0	70.6	7.5	4.29	1352	20.60	3.73	0.64
ACALA MAXXA	1.11	83.6	33.6	9.7	70.1	7.8	3.88	855	20.04	4.04	0.48

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	423	26.1	1.67	86	49.60	4.54	2.93
DP 5409	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.
STV LA 887	447	28.3	1.71	85	48.10	4.22	2.79
H 1560 (HARTZ)	.	.	.	.	.	.	.
PAYMASTER HS 26	446	29.8	1.75	83	49.33	4.30	2.74
ACALA MAXXA	490	32.9	1.81	81	46.39	3.68	2.48

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
PAYMASTER HS 26	5.25	A	STV 474	41.0	A	PAYMASTER HS 26	10.5	A
STV LA 887	5.11	B A	ACALA MAXXA	39.9	B A	ACALA MAXXA	10.4	A
ACALA MAXXA	4.92	B A C	STV LA 887	39.7	B A	STV LA 887	10.0	B A
DELTAPINE 50	4.66	B D C	SG 125	39.4	B	H 1560 (HARTZ)	9.8	B
H 1560 (HARTZ)	4.61	B D C	H 1560 (HARTZ)	39.1	B C	DELTAPINE 50	9.7	B
SG 125	4.55	E D C	DP 5409	38.6	B C	SG 125	9.4	B C
DP 5409	4.33	E D	PAYMASTER HS 26	37.9	C	DP 5409	8.9	C
STV 474	4.07	E	DELTAPINE 50	36.0	D	STV 474	8.8	C

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
ACALA MAXXA	151	A	DELTAPINE 50	1.11	A	PAYMASTER HS 26	0.56	A
STV LA 887	136	B	STV LA 887	1.11	A	DELTAPINE 50	0.56	A
H 1560 (HARTZ)	129	C	ACALA MAXXA	1.10	B A	ACALA MAXXA	0.56	A
PAYMASTER HS 26	128	C	DP 5409	1.10	B A	STV LA 887	0.56	A

STV 474	123	D C	SG 125	1.10	B A	SG 125	0.56	A
SG 125	121	D	H 1560 (HARTZ)	1.10	B A	H 1560 (HARTZ)	0.56	A
DELTAPINE 50	119	D	STV 474	1.08	B C	DP 5409	0.55	A
DP 5409	118	D	PAYMASTER HS 26	1.07	C	STV 474	0.55	A

STELOMETER - T1

ACALA MAXXA	247	A
PAYMASTER HS 26	219	B
STV LA 887	216	C B
H 1560 (HARTZ)	211	C
DP 5409	192	D
STV 474	191	D
SG 125	190	D
DELTAPINE 50	186	D

STELOMETER - E1

SG 125	8.3	A
PAYMASTER HS 26	8.3	A
DELTAPINE 50	8.0	B A
DP 5409	7.8	B A
H 1560 (HARTZ)	7.8	B A
STV 474	7.7	B
STV LA 887	7.5	B
ACALA MAXXA	6.8	C

MICRONAIRE

DELTAPINE 50	4.68	A
SG 125	4.63	A
DP 5409	4.58	A
H 1560 (HARTZ)	4.53	A
STV 474	4.51	A
STV LA 887	4.40	A
PAYMASTER HS 26	4.30	A
ACALA MAXXA	3.93	B

2.5% S.L. (INCHES)

DELTAPINE 50	1.11	A
ACALA MAXXA	1.11	A
STV LA 887	1.11	A
H 1560 (HARTZ)	1.11	A
DP 5409	1.10	A
SG 125	1.10	A
STV 474	1.07	B
PAYMASTER HS 26	1.05	B

UR (PERCENT)

SG 125	84.1	A
H 1560 (HARTZ)	84.0	A
DELTAPINE 50	83.7	B A
ACALA MAXXA	83.6	B A
PAYMASTER HS 26	83.3	B A
STV LA 887	83.2	B A
STV 474	82.9	B
DP 5409	82.9	B

STRENGTH (G/TEX)

ACALA MAXXA	33.6	A
STV LA 887	31.2	B
PAYMASTER HS 26	30.3	B
H 1560 (HARTZ)	28.8	C
STV 474	27.4	D
DP 5409	27.2	D
SG 125	26.5	E D
DELTAPINE 50	25.6	E

E

PAYMASTER HS 26	10.0	A
SG 125	10.0	A
H 1560 (HARTZ)	10.0	A
STV LA 887	10.0	A

COLORIMETER - Rd

DELTAPINE 50	72.9	A
DP 5409	72.6	B A
H 1560 (HARTZ)	71.2	B C
STV LA 887	70.9	C

COLORIMETER - b

STV LA 887	8.6	A
SG 125	8.3	B A
STV 474	8.3	B A C
H 1560 (HARTZ)	8.2	B A C

DELTAPINE 50	9.9	B A	PAYMASTER HS 26	70.6	C	ACALA MAXXA	7.8	B D C
DP 5409	9.9	B A	SG 125	70.3	C	DP 5409	7.7	D C
STV 474	9.8	B A	STV 474	70.2	C	DELTAPINE 50	7.6	D
ACALA MAXXA	9.7	B	ACALA MAXXA	70.1	C	PAYMASTER HS 26	7.5	D

 MICRONAIRE (SL-HVI)

DELTAPINE 50	4.71	A
SG 125	4.66	A
STV 474	4.56	B A
DP 5409	4.51	B A
H 1560 (HARTZ)	4.46	B A
STV LA 887	4.41	B A
PAYMASTER HS 26	4.29	B
ACALA MAXXA	3.88	C

 OIL (PERCENT)

PAYMASTER HS 26	20.60	A
DELTAPINE 50	20.40	A
DP 5409	20.21	B A
H 1560 (HARTZ)	20.18	B A
ACALA MAXXA	20.04	B A C
STV LA 887	19.90	B A C
SG 125	19.22	B C
STV 474	18.94	C

 NITROGEN (PERCENT)

ACALA MAXXA	4.04	A
PAYMASTER HS 26	3.73	B
SG 125	3.69	B
STV 474	3.69	B
DP 5409	3.59	C B
H 1560 (HARTZ)	3.59	C B
STV LA 887	3.56	C B
DELTAPINE 50	3.48	C

 FREE GOSSYPOL (PERCENT)

STV 474	0.81	A
H 1560 (HARTZ)	0.76	B A
DELTAPINE 50	0.71	B A C
STV LA 887	0.69	B A C
DP 5409	0.66	B C
PAYMASTER HS 26	0.64	B C
SG 125	0.61	C
ACALA MAXXA	0.48	D

 SEED YIELD (LB/ACRE)

DELTAPINE 50	1688	A
DP 5409	1568	A
SG 125	1480	A
H 1560 (HARTZ)	1398	A
STV LA 887	1366	A
STV 474	1355	A
PAYMASTER HS 26	1352	A
ACALA MAXXA	855	B

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	490	A
STV LA 887	447	B

 AREALOMETER - D (mm²/mm³)

ACALA MAXXA	32.9	A
PAYMASTER HS 26	29.8	A

 AREALOMETER - I

ACALA MAXXA	1.8	A
PAYMASTER HS 26	1.8	A

PAYMASTER HS 26	446	B	STV LA 887	28.3	A	STV LA 887	1.7	A
SG 125	423	B	SG 125	26.1	A	SG 125	1.7	A

 AREALOMETER - M (PERCENT)

SG 125	86	A
STV LA 887	85	A
PAYMASTER HS 26	83	A
ACALA MAXXA	81	A

 AREALOMETER - p (Microns)

SG 125	49.60	A
PAYMASTER HS 26	49.33	A
STV LA 887	48.10	A
ACALA MAXXA	46.39	A

 AREALOMETER -w (MG/INCH)

SG 125	4.54	A
PAYMASTER HS 26	4.30	A
STV LA 887	4.22	A
ACALA MAXXA	3.68	B

 AREALOMETER - t (MICRONS)

SG 125	2.93	A
STV LA 887	2.79	A
PAYMASTER HS 26	2.74	A
ACALA MAXXA	2.48	B

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer			
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
BOSSIER CITY, LA	1137	A	5.49	38.7	10.6	130	1.11	0.57	202	8.4	4.84
WESLACO, TX	834	B	4.29	39.5	9.0	132	1.10	0.55	210	8.1	3.66
COLLEGE STATION, TX	787	B	4.48	38.2	9.8	123	1.10	0.56	205	7.2	4.67
BEEVILLE, TX	538	C	4.48	39.4	9.3	129	1.06	0.55	209	7.4	4.60

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
BOSSIER CITY, LA	1.11	83.5	28.5	9.9	75.6 7.8	4.82	2032	20.96	3.50	0.97
WESLACO, TX	1.10	83.3	29.8	9.9	71.3 8.4	3.63	1305	18.82	3.69	0.58
COLLEGE STATION, TX	1.11	83.7	27.8	9.9	67.2 6.8	4.73	1394	19.78	3.72	0.56
BEEVILLE, TX	1.07	83.3	29.2	9.9	70.3 9.0	4.58	802	20.20	3.78	0.58

Arealometer Data

LOCATION	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
BOSSIER CITY, LA	424	25.3	1.66	87	49.18	4.50	2.9
WESLACO, TX	517	42.9	2.00	74	48.69	3.67	2.3
COLLEGE STATION, TX	428	23.4	1.62	88	47.62	4.32	2.9
BEEVILLE, TX	437	25.6	1.67	87	47.93	4.24	2.8

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. 50% S.L. (inches) (inches)	Stelometer T1 E1 (mN/tex) (%)	MICRONAIRE (Reading)
SG 125	948	A	4.47	38.3	9.3	115 1.11	0.56 188	7.4 4.95
STV 474	928	A	4.11	39.9	9.6	121 1.10	0.56 192	7.0 4.95
DELTAPINE 50	846	B A	4.44	35.2	9.9	108 1.11	0.56 179	7.3 4.90
H 1560 (HARTZ)	794	B A	4.28	37.9	10.2	127 1.11	0.57 210	7.5 4.65
DP 5409	778	B A	4.18	38.1	8.6	110 1.10	0.56 186	7.1 4.70
STV LA 887	740	B C	4.92	37.7	10.4	130 1.13	0.56 220	7.4 4.65

PAYMASTER HS 26	682	B C	4.58	39.5	10.4	117	1.05	0.56	215	7.5	4.35
ACALA MAXXA	579	C	4.85	38.9	10.5	154	1.11	0.57	249	6.4	4.20

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
SG 125	1.11	84.3	26.2	10.0	67.0	6.9	4.90	1549	19.09	3.72	0.52
STV 474	1.11	84.0	27.1	9.8	66.3	6.8	5.05	1529	19.33	3.60	0.78
DELTAPINE 50	1.11	83.3	23.2	9.6	67.8	6.8	4.95	1581	19.97	3.40	0.51
H 1560 (HARTZ)	1.14	84.1	27.6	10.0	66.7	6.6	4.80	1445	20.38	3.48	0.70
DP 5409	1.10	83.0	25.6	9.6	68.2	6.6	4.75	1378	19.19	3.65	0.46
STV LA 887	1.13	84.2	30.3	10.0	67.5	7.3	4.75	1386	20.31	3.68	0.61
PAYMASTER HS 26	1.03	82.6	28.4	10.0	66.6	7.1	4.40	1301	20.00	3.99	0.48
ACALA MAXXA	1.12	84.2	34.0	10.0	67.5	6.8	4.20	979	19.95	4.23	0.37

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	399	16.3	1.45	95	45.73	4.42	3.3
STV 474	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
H 1560 (HARTZ)	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.
STV LA 887	414	25.0	1.66	87	50.33	4.70	3.0
PAYMASTER HS 26	438	27.3	1.71	85	49.02	4.34	2.8
ACALA MAXXA	460	25.3	1.66	87	45.41	3.82	2.7

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer			
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
DP 5409	1032	A	4.64	39.4	8.9	119	1.13	0.57	202	8.0	4.20
SG 125	1011	A	3.89	39.0	9.2	123	1.10	0.55	191	8.5	3.80
DELTAPINE 50	948	B A	4.30	36.8	9.1	125	1.12	0.56	190	8.0	4.10
STV LA 887	872	B	4.21	40.5	8.8	138	1.11	0.56	212	8.0	3.50
H 1560 (HARTZ)	782	C	4.22	40.2	9.1	133	1.10	0.56	219	8.1	3.65
STV 474	763	C	3.25	40.8	7.3	127	1.06	0.53	198	8.4	3.15
PAYMASTER HS 26	675	D	5.36	38.4	10.0	137	1.09	0.56	228	8.8	3.70
ACALA MAXXA	586	E	4.47	41.4	9.9	153	1.12	0.55	245	7.0	3.20

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
DP 5409	1.12	82.6	28.8	10.0	72.9	8.3	4.05	1604	20.56	3.55	0.66
SG 125	1.10	83.5	26.9	10.0	71.1	8.9	4.00	1658	18.89	3.75	0.54
DELTAPINE 50	1.12	83.2	26.5	10.0	73.7	8.0	4.10	1652	19.47	3.60	0.67
STV LA 887	1.10	83.0	32.4	9.9	71.7	8.8	3.25	1294	18.27	3.61	0.58
H 1560 (HARTZ)	1.12	84.2	29.6	10.0	73.1	8.8	3.55	1113	18.18	3.78	0.55
STV 474	1.05	81.9	28.0	9.7	71.1	8.5	3.25	1138	16.93	3.67	0.58
PAYMASTER HS 26	1.08	84.1	32.3	10.0	69.3	7.6	3.60	1191	18.84	3.61	0.60
ACALA MAXXA	1.14	83.9	34.1	9.4	67.7	8.2	3.20	788	19.40	3.92	0.46

Arealometer Data

VARIETY	A	D	I	M	p	w	t
	(mm ² /mm ³)	(mm ² /mm ³)		(%)	(microns)	(mg/inch)	(microns)

DP 5409	.	.	.	.	.	.	.	.	.
SG 125	471	35.8	1.87	79	50.02	4.11	2.5		
DELTAPINE 50	.	.	.	.	.	.	.	.	.
STV LA 887	546	48.3	2.09	70	48.10	3.40	2.1		
H 1560 (HARTZ)	.	.	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.	.	.
PAYMASTER HS 26	492	40.3	1.95	76	49.98	3.93	2.4		
ACALA MAXXA	560	47.5	2.08	71	46.68	3.22	2.1		

BOSSIER CITY, LA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
STV 474	1318	A	5.05	41.4	10.0	120	1.11	0.57	186	8.5	5.15
STV LA 887	1295	A	6.15	40.3	10.9	137	1.11	0.56	213	8.0	4.85
DP 5409	1276	A	4.80	38.1	9.7	123	1.11	0.55	189	8.1	4.65
SG 125	1266	A	5.35	39.9	10.2	120	1.13	0.58	190	9.5	5.10
H 1560 (HARTZ)	1199	A	5.60	38.8	10.7	131	1.14	0.58	199	8.0	5.10
DELTAPINE 50	1185	A	5.20	35.9	10.3	124	1.11	0.56	187	9.0	4.80
PAYMASTER HS 26	949	B	6.20	36.5	11.7	131	1.09	0.57	214	9.0	4.90
ACALA MAXXA	606	C	5.60	38.9	11.2	152	1.11	0.57	238	7.1	4.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
STV 474	1.09	83.4	27.6	10.0	74.9	8.0	5.15	2065	20.70	3.53	1.25
STV LA 887	1.12	83.0	31.0	10.0	74.7	8.5	5.00	2096	21.02	3.36	0.99
DP 5409	1.11	83.0	27.0	10.0	76.8	7.6	4.70	2419	20.91	3.42	1.00
SG 125	1.12	84.2	25.7	10.0	74.5	7.7	5.00	2123	20.22	3.54	0.91
H 1560 (HARTZ)	1.13	84.7	28.9	10.0	75.0	8.0	4.90	2073	20.97	3.39	1.11

DELTAPINE 50	1.12	83.5	25.8	10.0	77.8	7.2	4.85	2513	21.33	3.24	1.03
PAYMASTER HS 26	1.08	83.3	29.0	10.0	75.6	7.5	4.90	1932	21.93	3.66	0.84
ACALA MAXXA	1.12	83.2	33.4	9.6	76.1	7.9	4.05	1032	20.60	3.88	0.66

VARIETY	Arealometer Data						
	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)

STV 474	.	.	.	.	.	.	.
STV LA 887	407	18.0	1.50	93	46.42	4.41	3.1
DP 5409	.	.	.	.	.	.	.
SG 125	407	28.3	1.73	85	53.23	5.05	3.0
H 1560 (HARTZ)	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
PAYMASTER HS 26	410	22.3	1.60	89	48.94	4.61	3.0
ACALA MAXXA	472	32.5	1.81	81	48.12	3.94	2.5

BEEVILLE, TX

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)	A					2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
H 1560 (HARTZ)	624	A	4.34	39.7	9.2	128	1.04	0.54	215	7.5	4.70
DELTAPINE 50	597	A	4.70	36.0	9.5	121	1.10	0.57	191	7.9	4.90
PAYMASTER HS 26	595	A	4.88	37.3	10.1	126	1.03	0.55	218	8.0	4.25
DP 5409	586	A	3.71	38.9	8.5	122	1.06	0.55	191	8.0	4.75
STV 474	508	A	3.85	42.0	8.5	125	1.03	0.54	190	6.9	4.80
STV LA 887	483	A	5.15	40.3	9.8	139	1.10	0.57	218	6.6	4.60
SG 125	464	A	4.50	40.5	9.0	126	1.06	0.56	191	8.0	4.65
ACALA MAXXA	445	A	4.76	40.7	10.2	146	1.05	0.56	257	6.6	4.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
H 1560 (HARTZ)	1.05	83.3	29.1	10.0	70.1	9.5	4.60	964	21.21	3.71	0.67
DELTAPINE 50	1.09	84.8	27.2	10.0	72.4	8.4	4.95	1006	20.83	3.68	0.65
PAYMASTER HS 26	1.03	83.2	31.5	10.0	70.9	8.0	4.25	986	21.65	3.68	0.66
DP 5409	1.08	82.9	27.4	10.0	72.4	8.4	4.55	872	20.20	3.74	0.53
STV 474	1.04	82.2	27.0	9.7	68.6	9.9	4.80	689	18.79	3.97	0.61
STV LA 887	1.11	82.9	31.2	10.0	69.8	9.8	4.65	690	20.01	3.58	0.59
SG 125	1.08	84.3	27.5	10.0	68.9	9.8	4.75	591	18.67	3.75	0.47
ACALA MAXXA	1.07	83.0	32.9	9.8	69.3	8.5	4.05	621	20.22	4.14	0.43

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
H 1560 (HARTZ)	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
PAYMASTER HS 26	443	29.5	1.75	84	49.39	4.30	2.8
DP 5409	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.
STV LA 887	421	22.0	1.59	89	47.57	4.37	3.0
SG 125	418	24.3	1.64	88	49.41	4.58	3.0
ACALA MAXXA	468	26.5	1.69	86	45.34	3.74	2.6



1996 BLACKLAND REGIONAL COTTON VARIETY TEST REGIONAL SUMMARY

1996 BLACKLAND REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	750	4.42	30.7	9.4	116	1.05	0.55	189	7.5	4.80
STV LA 887	681	4.80	30.5	10.6	128	1.08	0.56	212	6.6	5.15
TAMCOT SPHINX	645	4.52	31.9	10.5	131	1.00	0.53	224	5.4	5.05
ACALA MAXXA	628	4.51	29.8	11.8	156	1.09	0.57	249	5.9	4.50
DELTAPINE 50	600	4.52	27.4	10.2	116	1.09	0.54	187	7.0	4.90
PAYMASTER HS 26	585	5.07	28.2	10.4	127	0.99	0.54	218	7.5	5.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE	
										GOSSYPOL (%)	
SG 125	1.07	81.6	25.6	10.0	68.6	6.8	5.15	1640	19.87	3.55	0.55
STV LA 887	1.08	82.6	31.0	10.0	67.3	6.2	5.40	1282	20.62	3.51	0.75
TAMCOT SPHINX	1.02	81.8	28.9	10.0	68.9	6.0	5.45	1249	20.83	3.89	0.59

ACALA MAXXA	1.09	83.2	36.0	10.0	68.6	5.9	4.50	1224	20.41	4.04	0.51
DELTAPINE 50	1.08	82.2	25.6	10.0	68.6	5.8	5.10	1619	20.84	3.47	0.67
PAYMASTER HS 26	0.98	82.3	31.3	10.5	70.5	6.9	5.25	1446	21.03	3.58	0.61

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)

SG 125	393	21.8	1.59	90	50.76	4.99	3.17
STV LA 887	368	11.0	1.33	99	45.39	4.77	3.65
TAMCOT SPHINX	.	.	.	.	.	.	.
ACALA MAXXA	433	18.0	1.50	93	43.61	3.89	2.93
DELTAPINE 50	.	.	.	.	.	.	.
PAYMASTER HS 26	373	14.0	1.41	96	47.41	4.91	3.50

 BOLL SIZE, GRAM PER BOLL

PAYMASTER HS 26	5.07
STV LA 887	4.80
DELTAPINE 50	4.52
TAMCOT SPHINX	4.52
ACALA MAXXA	4.51
SG 125	4.42

 LINT PERCENT

TAMCOT SPHINX	31.9
SG 125	30.7
STV LA 887	30.5
ACALA MAXXA	29.8
PAYMASTER HS 26	28.2
DELTAPINE 50	27.4

 SEED INDEX

ACALA MAXXA	11.8
STV LA 887	10.6
TAMCOT SPHINX	10.5
PAYMASTER HS 26	10.4
DELTAPINE 50	10.2
SG 125	9.4

 YARN TENACITY

ACALA MAXXA	156
TAMCOT SPHINX	131
STV LA 887	128

 FIBROGRAPH--2.5% S. L.

DELTAPINE 50	1.09
ACALA MAXXA	1.09
STV LA 887	1.08

 FIBROGRAPH--50% S. L.

ACALA MAXXA	0.57
STV LA 887	0.56
SG 125	0.55

PAYMASTER HS 26	127
SG 125	116
DELTAPINE 50	116

SG 125	1.05
TAMCOT SPHINX	1.00
PAYMASTER HS 26	0.99

PAYMASTER HS 26	0.54
DELTAPINE 50	0.54
TAMCOT SPHINX	0.53

 STELOMETER - T1

ACALA MAXXA	249
TAMCOT SPHINX	224
PAYMASTER HS 26	218
STV LA 887	212
SG 125	189
DELTAPINE 50	187

 STELOMETER - E1

PAYMASTER HS 26	7.5
SG 125	7.5
DELTAPINE 50	7.0
STV LA 887	6.6
ACALA MAXXA	5.9
TAMCOT SPHINX	5.4

 MICRONAIRE

PAYMASTER HS 26	5.15
STV LA 887	5.15
TAMCOT SPHINX	5.05
DELTAPINE 50	4.90
SG 125	4.80
ACALA MAXXA	4.50

 2.5% S.L. (INCHES)

ACALA MAXXA	1.09
DELTAPINE 50	1.08
STV LA 887	1.08
SG 125	1.07
TAMCOT SPHINX	1.02
PAYMASTER HS 26	0.98

 UR (PERCENT)

ACALA MAXXA	83.2
STV LA 887	82.6
PAYMASTER HS 26	82.3
DELTAPINE 50	82.2
TAMCOT SPHINX	81.8
SG 125	81.6

 STRENGTH (G/TEX)

ACALA MAXXA	36.0
PAYMASTER HS 26	31.3
STV LA 887	31.0
TAMCOT SPHINX	28.9
DELTAPINE 50	25.6
SG 125	25.6

 E

PAYMASTER HS 26	10.5
DELTAPINE 50	10.0
ACALA MAXXA	10.0
STV LA 887	10.0
SG 125	10.0
TAMCOT SPHINX	10.0

 COLORIMETER - Rd

PAYMASTER HS 26	70.5
TAMCOT SPHINX	68.9
SG 125	68.6
DELTAPINE 50	68.6
ACALA MAXXA	68.6
STV LA 887	67.3

 COLORIMETER - b

PAYMASTER HS 26	6.9
SG 125	6.8
STV LA 887	6.2
TAMCOT SPHINX	6.0
ACALA MAXXA	5.9
DELTAPINE 50	5.8

 MICRONAIRE (SL-HVI)

 OIL (PERCENT)

 NITROGEN (PERCENT)

TAMCOT SPHINX	5.45
STV LA 887	5.40
PAYMASTER HS 26	5.25
SG 125	5.15
DELTAPINE 50	5.10
ACALA MAXXA	4.50

PAYMASTER HS 26	21.03
DELTAPINE 50	20.84
TAMCOT SPHINX	20.83
STV LA 887	20.62
ACALA MAXXA	20.41
SG 125	19.87

ACALA MAXXA	4.04
TAMCOT SPHINX	3.89
PAYMASTER HS 26	3.58
SG 125	3.55
STV LA 887	3.51
DELTAPINE 50	3.47

 FREE GOSSYPOL (PERCENT)

STV LA 887	0.75
DELTAPINE 50	0.67
PAYMASTER HS 26	0.61
TAMCOT SPHINX	0.59
SG 125	0.55
ACALA MAXXA	0.51

 SEED YIELD (LB/ACRE)

SG 125	1640
DELTAPINE 50	1618
PAYMASTER HS 26	1445
STV LA 887	1282
TAMCOT SPHINX	1249
ACALA MAXXA	1224

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	433
SG 125	393
PAYMASTER HS 26	373
STV LA 887	368

 AREALOMETER - D (mm²/mm³)

SG 125	21.8
ACALA MAXXA	18.0
PAYMASTER HS 26	14.0
STV LA 887	11.0

 AREALOMETER - I

SG 125	1.6
ACALA MAXXA	1.5
PAYMASTER HS 26	1.4
STV LA 887	1.3

 AREALOMETER - M (PERCENT)

STV LA 887	99
PAYMASTER HS 26	96
ACALA MAXXA	93
SG 125	90

 AREALOMETER - p (Microns)

SG 125	50.76
PAYMASTER HS 26	47.41
STV LA 887	45.39
ACALA MAXXA	43.61

 AREALOMETER -w (MG/INCH)

SG 125	4.99
PAYMASTER HS 26	4.91
STV LA 887	4.77
ACALA MAXXA	3.89

 AREALOMETER - t (MICRONS)

STV LA 887	3.65
PAYMASTER HS 26	3.50
SG 125	3.17
ACALA MAXXA	2.93

DALLAS, TX

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	750	A	4.42	30.7	9.4	116	1.05	0.55	189	7.5	4.80
STV LA 887	681	B A	4.80	30.5	10.6	128	1.08	0.56	212	6.6	5.15
TAMCOT SPHINX	645	B A	4.52	31.9	10.5	131	1.00	0.53	224	5.4	5.05
ACALA MAXXA	628	B	4.51	29.8	11.8	156	1.09	0.57	249	5.9	4.50
DELTAPINE 50	600	B	4.52	27.4	10.2	116	1.09	0.54	187	7.0	4.90
PAYMASTER HS 26	585	B	5.07	28.2	10.4	127	0.99	0.54	218	7.5	5.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.07	81.6	25.6	10.0	68.6	6.8	5.15	1640	19.87	3.55	0.55
STV LA 887	1.08	82.6	31.0	10.0	67.3	6.2	5.40	1282	20.62	3.51	0.75
TAMCOT SPHINX	1.02	81.8	28.9	10.0	68.9	6.0	5.45	1249	20.83	3.89	0.59

ACALA MAXXA	1.09	83.2	36.0	10.0	68.6	5.9	4.50	1224	20.41	4.04	0.51
DELTAPINE 50	1.08	82.2	25.6	10.0	68.6	5.8	5.10	1619	20.84	3.47	0.67
PAYMASTER HS 26	0.98	82.3	31.3	10.5	70.5	6.9	5.25	1446	21.03	3.58	0.61

VARIETY	Arealometer Data						
	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	393	21.8	1.59	90	50.76	4.99	3.2
STV LA 887	368	11.0	1.33	99	45.39	4.77	3.7
TAMCOT SPHINX	.	.	.	.	.	.	.
ACALA MAXXA	433	18.0	1.50	93	43.61	3.89	2.9
DELTAPINE 50	.	.	.	.	.	.	.
PAYMASTER HS 26	373	14.0	1.41	96	47.41	4.91	3.5



**1996 PLAINS REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY**

1996 PLAINS REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

YARN Digital Fibrograph Stelometer

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
PAYMASTER HS 26	779	A	6.54	36.4	11.6	117	1.08	0.56	208	11	4.57
ALL TEX ATLAS	749	B A	6.29	35.5	11.6	117	1.06	0.55	206	11	4.62
TAMCOT SPHINX	741	B A	5.41	36.6	11.2	126	1.08	0.56	212	8.4	4.63
BS&D TEJAS	731	B A	5.99	35.4	11.1	110	1.03	0.55	202	12	4.77
PAYMASTER PM 183	696	B A C	6.06	36.5	10.9	99	1.01	0.51	183	7.5	5.05
BS&D UTE	693	B A C	5.53	36.5	10.1	124	1.09	0.55	206	8.6	4.15
SG 125	661	B A C	5.27	36.8	10.3	105	1.09	0.55	176	9.9	4.17
SOUTHLAND 400	624	B A C	6.35	33.9	12.1	127	1.06	0.54	208	7.7	4.62
HOLLAND 186	609	B A C	6.05	36.1	10.8	114	1.08	0.53	196	9.2	4.25
STV LA 887	584	B C	5.88	38.1	10.8	117	1.11	0.55	200	9.4	3.93
ACALA MAXXA	543	C	5.62	38.2	11.0	138	1.10	0.56	230	8.5	3.62

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
PAYMASTER HS 26	1.06	84.3	28.3	10.8	71.4	7.5	4.60	1287	22.95	3.79	0.80
ALL TEX ATLAS	1.04	83.5	28.1	10.5	71.9	7.3	4.55	1375	22.89	3.68	0.82
TAMCOT SPHINX	1.07	83.8	29.5	10.0	71.1	7.6	4.43	1319	22.31	3.94	0.72
BS&D TEJAS	1.01	82.9	28.2	11.3	71.2	7.6	4.83	1312	23.35	3.68	0.83
PAYMASTER PM 183	0.95	80.2	26.0	9.8	69.3	8.1	5.13	1182	22.58	3.91	0.47
BS&D UTE	1.07	82.4	28.4	10.0	71.5	7.8	4.25	1326	22.34	3.81	0.76
SG 125	1.07	82.8	22.9	10.3	72.0	8.2	4.33	1124	19.65	3.69	0.74
SOUTHLAND 400	1.05	83.0	28.9	9.9	72.0	8.0	4.70	1190	22.24	3.93	0.57
HOLLAND 186	1.08	82.3	26.5	10.3	72.8	7.6	4.30	1076	22.28	3.66	0.64
STV LA 887	1.13	84.2	26.8	10.0	71.7	8.4	3.85	890	20.50	3.54	0.75
ACALA MAXXA	1.12	83.7	30.1	10.0	72.9	7.5	3.80	780	21.32	4.07	0.61

VARIETIES COMBINING LOCATIONS

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 26	440	29.0	1.73	84	49.37	4.35	2.79
ALL TEX ATLAS	.	.	.	.	.	.	.
TAMCOT SPHINX	.	.	.	.	.	.	.
BS&D TEJAS	.	.	.	.	.	.	.
PAYMASTER PM 183	.	.	.	.	.	.	.
BS&D UTE	.	.	.	.	.	.	.
SG 125	473	38.3	1.91	77	50.63	4.18	2.56
SOUTHLAND 400	.	.	.	.	.	.	.
HOLLAND 186	.	.	.	.	.	.	.
STV LA 887	492	38.7	2.02	73	53.07	4.33	2.47
ACALA MAXXA	523	39.1	1.92	77	46.17	3.42	2.28

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

PAYMASTER HS 26	6.54	A	ACALA MAXXA	38.2	A	SOUTHLAND 400	12.1	A
SOUTHLAND 400	6.35	B A	STV LA 887	38.1	B A	ALL TEX ATLAS	11.6	B A
ALL TEX ATLAS	6.29	B A	SG 125	36.8	B C	PAYMASTER HS 26	11.6	B A
PAYMASTER PM 183	6.06	B A C	TAMCOT SPHINX	36.6	C	TAMCOT SPHINX	11.2	B C
HOLLAND 186	6.05	B A C	PAYMASTER PM 183	36.5	C	BS&D TEJAS	11.1	B C
BS&D TEJAS	5.99	DB A C	BS&D UTE	36.5	C	ACALA MAXXA	11.0	B C
STV LA 887	5.88	DB C	PAYMASTER HS 26	36.4	C	PAYMASTER PM 183	10.9	D C
ACALA MAXXA	5.62	D E C	HOLLAND 186	36.1	C	HOLLAND 186	10.8	D C
BS&D UTE	5.53	D E C	ALL TEX ATLAS	35.5	C	STV LA 887	10.8	D C
TAMCOT SPHINX	5.41	D E	BS&D TEJAS	35.4	C	SG 125	10.3	D E
SG 125	5.27	E	SOUTHLAND 400	33.9	D	BS&D UTE	10.1	E

YARN TENACITY

FIBROGRAPH--2.5% S. L.

FIBROGRAPH--50% S. L.

ACALA MAXXA	138	A	STV LA 887	1.11	A	PAYMASTER HS 26	0.56	A
SOUTHLAND 400	127	B A	ACALA MAXXA	1.10	B A	ACALA MAXXA	0.56	B A

TAMCOT SPHINX	126	B	SG 125	1.09	B A C	TAMCOT SPHINX	0.56	B A
BS&D UTE	124	B	BS&D UTE	1.09	B A C	STV LA 887	0.55	B A
STV LA 887	117	B C	PAYMASTER HS 26	1.08	B A C	SG 125	0.55	B A
ALL TEX ATLAS	117	B C	TAMCOT SPHINX	1.08	B A C	ALL TEX ATLAS	0.55	B A
PAYMASTER HS 26	117	B C	HOLLAND 186	1.08	B A C	BS&D TEJAS	0.55	B A
HOLLAND 186	114	B C	ALL TEX ATLAS	1.06	B D C	BS&D UTE	0.55	B A
BS&D TEJAS	110	D C	SOUTHLAND 400	1.06	D C	SOUTHLAND 400	0.54	B A C
SG 125	105	D C	BS&D TEJAS	1.03	E D	HOLLAND 186	0.53	B C
PAYMASTER PM 183	99	D	PAYMASTER PM 183	1.01	E	PAYMASTER PM 183	0.51	C

STELOMETER - T1

ACALA MAXXA	230	A
TAMCOT SPHINX	212	B
SOUTHLAND 400	208	B
PAYMASTER HS 26	208	B
BS&D UTE	206	B
ALL TEX ATLAS	206	B
BS&D TEJAS	202	B
STV LA 887	200	B
HOLLAND 186	196	C B
PAYMASTER PM 183	183	C D
SG 125	176	D

STELOMETER - E1

BS&D TEJAS	12	A
PAYMASTER HS 26	11	B A
ALL TEX ATLAS	11	B A
SG 125	9.9	B C
STV LA 887	9.4	D C
HOLLAND 186	9.2	D C
BS&D UTE	8.6	D E
ACALA MAXXA	8.5	D E
TAMCOT SPHINX	8.4	D E
SOUTHLAND 400	7.7	E
PAYMASTER PM 183	7.5	E

MICRONAIRE

PAYMASTER PM 183	5.05	A
BS&D TEJAS	4.77	B
TAMCOT SPHINX	4.63	B
SOUTHLAND 400	4.62	B
ALL TEX ATLAS	4.62	B
PAYMASTER HS 26	4.57	B
HOLLAND 186	4.25	C
SG 125	4.17	D C
BS&D UTE	4.15	D C
STV LA 887	3.93	D
ACALA MAXXA	3.62	E

2.5% S.L. (INCHES)

STV LA 887	1.13	A
ACALA MAXXA	1.12	A
HOLLAND 186	1.08	B A
SG 125	1.07	B A
TAMCOT SPHINX	1.07	B A
BS&D UTE	1.07	B A
PAYMASTER HS 26	1.06	B A
SOUTHLAND 400	1.05	B A C
ALL TEX ATLAS	1.04	B A C
BS&D TEJAS	1.01	B C
PAYMASTER PM 183	0.95	C

UR (PERCENT)

PAYMASTER HS 26	84.3	A
STV LA 887	84.2	A
TAMCOT SPHINX	83.8	B A
ACALA MAXXA	83.7	B A
ALL TEX ATLAS	83.5	B A
SOUTHLAND 400	83.0	B A
BS&D TEJAS	82.9	B A
SG 125	82.8	B A
BS&D UTE	82.4	B A
HOLLAND 186	82.3	B A
PAYMASTER PM 183	80.2	B

STRENGTH (G/TEX)

ACALA MAXXA	30.1	A
TAMCOT SPHINX	29.5	B A
SOUTHLAND 400	28.9	B A C
BS&D UTE	28.4	B A C
PAYMASTER HS 26	28.3	B A C
BS&D TEJAS	28.2	B A C
ALL TEX ATLAS	28.1	B A C
STV LA 887	26.8	B A C
HOLLAND 186	26.5	B C
PAYMASTER PM 183	26.0	C
SG 125	22.9	D

E			COLORIMETER - Rd			COLORIMETER - b		
BS&D TEJAS	11.3	A	ACALA MAXXA	72.9	A	STV LA 887	8.4	A
PAYMASTER HS 26	10.8	B	HOLLAND 186	72.8	A	SG 125	8.2	A
ALL TEX ATLAS	10.5	C B	SOUTHLAND 400	72.0	A	PAYMASTER PM 183	8.1	A
SG 125	10.3	C D	SG 125	72.0	A	SOUTHLAND 400	8.0	A
HOLLAND 186	10.3	C D	ALL TEX ATLAS	71.9	A	BS&D UTE	7.8	A
ACALA MAXXA	10.0	E D	STV LA 887	71.7	A	HOLLAND 186	7.6	A
STV LA 887	10.0	E D	BS&D UTE	71.5	B A	BS&D TEJAS	7.6	A
TAMCOT SPHINX	10.0	E D	PAYMASTER HS 26	71.4	B A	TAMCOT SPHINX	7.6	A
BS&D UTE	10.0	E D	BS&D TEJAS	71.2	B A	ACALA MAXXA	7.5	A
SOUTHLAND 400	9.9	E D	TAMCOT SPHINX	71.1	B A	PAYMASTER HS 26	7.5	A
PAYMASTER PM 183	9.8	E	PAYMASTER PM 183	69.3	B	ALL TEX ATLAS	7.3	A

MICRONAIRE (SL-HVI)			OIL (PERCENT)			NITROGEN (PERCENT)		
PAYMASTER PM 183	5.13	A	BS&D TEJAS	23.35	A	ACALA MAXXA	4.07	A
BS&D TEJAS	4.83	B A	PAYMASTER HS 26	22.95	B A	TAMCOT SPHINX	3.94	B A
SOUTHLAND 400	4.70	B C	ALL TEX ATLAS	22.89	B A	SOUTHLAND 400	3.93	B A
PAYMASTER HS 26	4.60	B C D	PAYMASTER PM 183	22.58	B	PAYMASTER PM 183	3.91	B A
ALL TEX ATLAS	4.55	B C D	BS&D UTE	22.34	B	BS&D UTE	3.81	B C
TAMCOT SPHINX	4.43	C D	TAMCOT SPHINX	22.31	B	PAYMASTER HS 26	3.79	B C
SG 125	4.33	C D	HOLLAND 186	22.28	B	SG 125	3.69	D C
HOLLAND 186	4.30	D	SOUTHLAND 400	22.24	B	ALL TEX ATLAS	3.68	D C
BS&D UTE	4.25	D	ACALA MAXXA	21.32	C	BS&D TEJAS	3.68	D C
STV LA 887	3.85	E	STV LA 887	20.50	D	HOLLAND 186	3.66	D C
ACALA MAXXA	3.80	E	SG 125	19.65	E	STV LA 887	3.54	D

FREE GOSSYPOL (PERCENT)			SEED YIELD (LB/ACRE)		
BS&D TEJAS	0.83	A	ALL TEX ATLAS	1374	A

ALL TEX ATLAS	0.82	B A	BS&D UTE	1326	A
PAYMASTER HS 26	0.80	B A	TAMCOT SPHINX	1319	A
BS&D UTE	0.76	B A	BS&D TEJAS	1312	A
STV LA 887	0.75	B A	PAYMASTER HS 26	1287	A
SG 125	0.74	B A C	SOUTHLAND 400	1190	B A
TAMCOT SPHINX	0.72	B C	PAYMASTER PM 183	1181	B A
HOLLAND 186	0.64	D C	SG 125	1124	B A C
ACALA MAXXA	0.61	D	HOLLAND 186	1075	B A C
SOUTHLAND 400	0.57	D	STV LA 887	890	B C
PAYMASTER PM 183	0.47	E	ACALA MAXXA	780	C

AREALOMETER - A (mm²/mm³)

ACALA MAXXA	523	A
STV LA 887	492	B A
SG 125	473	B
PAYMASTER HS 26	440	C

AREALOMETER - D (mm²/mm³)

ACALA MAXXA	39.1	A
STV LA 887	38.7	A
SG 125	38.3	A
PAYMASTER HS 26	29.0	A

AREALOMETER - I

STV LA 887	2.0	A
ACALA MAXXA	1.9	B A
SG 125	1.9	B A
PAYMASTER HS 26	1.7	B

AREALOMETER - M (PERCENT)

PAYMASTER HS 26	84	A
SG 125	77	B A
ACALA MAXXA	77	B A
STV LA 887	73	B

AREALOMETER - p (Microns)

STV LA 887	53.07	A
SG 125	50.63	A
PAYMASTER HS 26	49.37	A
ACALA MAXXA	46.17	A

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.35	A
STV LA 887	4.33	A
SG 125	4.18	B A
ACALA MAXXA	3.42	B

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.79	A
SG 125	2.56	B
STV LA 887	2.47	C B
ACALA MAXXA	2.28	C

ALTUS, OK (IRR)	518	40.1	1.94	76	47.22	3.55	2.3
TIPTON, OK	433	23.0	1.61	89	46.91	4.22	2.9
LUBBOCK, TX (IRR)	495	45.7	2.13	69	55.30	4.44	2.4
CHILLICOTHE, TX (DRY)	.	.	.	.	.	.	.
CHICKASHA, OK (IRR)	.	.	.	.	.	.	.

LUBBOCK, TX (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
BS&D TEJAS	930	A	6.23	33.3	109	1.00	0.53	194	12	4.60
PAYMASTER HS 26	868	B A	6.38	34.4	112	1.05	0.53	194	10	4.50
ALL TEX ATLAS	841	B A	6.27	34.3	113	1.06	0.54	195	10	4.45
PAYMASTER PM 183	725	B A C	6.40	34.8	99	0.98	0.51	179	7.1	5.00
BS&D UTE	712	B A C	5.09	35.2	118	1.07	0.53	194	7.3	3.80
SOUTHLAND 400	654	B D C	6.62	32.9	121	1.05	0.53	207	6.3	4.60
TAMCOT SPHINX	570	D C	4.31	35.5	119	1.06	0.53	190	7.3	4.80
ACALA MAXXA	543	D C	5.59	34.7	129	1.09	0.54	216	8.1	3.40
STV LA 887	486	D C	5.34	38.4	105	1.07	0.52	182	8.0	3.85
HOLLAND 186	475	D C	5.43	34.3	111	1.04	0.50	187	8.5	4.10
SG 125	435	D	4.55	34.2	99	1.06	0.51	161	8.9	4.00

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
BS&D TEJAS	1490	23.48	3.78	0.80
PAYMASTER HS 26	1558	23.22	3.87	0.78
ALL TEX ATLAS	1762	23.38	3.79	0.83
PAYMASTER PM 183	1378	23.25	4.05	0.49

BS&D UTE	.	.	.	.	.	.	.	1543	22.47	3.86	0.82
SOUTHLAND 400	.	.	.	.	.	.	.	1275	22.16	4.15	0.56
TAMCOT SPHINX	.	.	.	.	.	.	.	1026	21.74	4.22	0.65
ACALA MAXXA	.	.	.	.	.	.	.	913	21.35	4.06	0.54
STV LA 887	.	.	.	.	.	.	.	706	20.24	3.66	0.63
HOLLAND 186	.	.	.	.	.	.	.	1018	21.89	3.68	0.63
SG 125	.	.	.	.	.	.	.	730	19.78	3.77	0.66

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
BS&D TEJAS	.	.	.	.	.	.	.
PAYMASTER HS 26	450	39.0	1.93	77	53.97	4.64	2.6
ALL TEX ATLAS	.	.	.	.	.	.	.
PAYMASTER PM 183	.	.	.	.	.	.	.
BS&D UTE	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
TAMCOT SPHINX	.	.	.	.	.	.	.
ACALA MAXXA	541	52.3	2.16	68	50.18	3.58	2.1
STV LA 887	496	44.0	2.35	61	64.09	5.40	2.5
HOLLAND 186	.	.	.	.	.	.	.
SG 125	495	47.5	2.08	71	52.94	4.16	2.4

ALTUS, OK (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
TAMCOT SPHINX	1098	A	5.66	37.3	134	1.13	0.59	214	8.9	3.90
PAYMASTER PM 183	988	B A	5.86	36.9	114	1.05	0.55	195	8.3	4.60

PAYMASTER HS 26	890	B C	6.61	36.4	11.5	122	1.10	0.58	211	11	4.20
ALL TEX ATLAS	880	B C	6.22	36.2	11.2	123	1.08	0.56	198	11	4.30
BS&D UTE	847	B C D	5.46	37.2	10.0	128	1.11	0.58	198	9.8	3.90
BS&D TEJAS	772	E C D	5.86	36.2	10.9	118	1.10	0.56	202	12	4.20
SG 125	754	E C D	5.37	36.9	10.2	108	1.10	0.56	173	9.6	3.60
SOUTHLAND 400	717	E D	6.25	34.8	11.7	129	1.11	0.56	192	8.6	4.10
HOLLAND 186	666	E F	5.66	35.7	10.4	115	1.11	0.54	190	9.4	3.80
ACALA MAXXA	551	F	5.77	38.3	11.2	133	1.10	0.56	217	9.4	3.25
STV LA 887	382	G	5.60	36.5	10.9	121	1.13	0.56	198	9.9	3.25

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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TAMCOT SPHINX	1.12	84.9	28.3	10.0	71.9	8.7	3.80	1748	22.65	3.54	0.80
PAYMASTER PM 183	1.03	83.4	25.5	9.8	71.6	8.1	4.60	1642	22.45	3.71	0.58
PAYMASTER HS 26	1.08	84.3	25.7	10.5	71.8	8.1	4.25	1484	22.80	3.59	0.87
ALL TEX ATLAS	1.07	84.1	25.9	10.5	73.3	8.2	3.95	1552	22.50	3.57	0.86
BS&D UTE	1.10	82.3	26.2	10.0	72.2	8.5	3.70	1585	21.99	3.62	0.80
BS&D TEJAS	1.05	83.3	26.1	11.0	73.1	8.6	4.10	1619	23.22	3.61	0.95
SG 125	1.07	82.6	21.0	10.0	72.8	9.0	3.65	1383	19.63	3.52	0.88
SOUTHLAND 400	1.08	84.0	27.5	9.9	73.4	8.6	4.25	1551	22.26	3.67	0.65
HOLLAND 186	1.07	82.0	24.9	10.0	74.2	8.7	3.75	1208	22.12	3.41	0.69
ACALA MAXXA	1.13	83.1	25.8	10.0	74.2	8.2	3.35	865	21.19	3.93	0.69
STV LA 887	1.11	83.7	24.6	10.0	71.7	8.9	3.20	789	20.14	3.49	0.81

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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TAMCOT SPHINX
PAYMASTER PM 183
PAYMASTER HS 26	458	27.8	1.72	85	47.05	3.97	2.7

ALL TEX ATLAS
BS&D UTE	.	.	.	.	.	.	.
BS&D TEJAS	.	.	.	.	.	.	.
SG 125	518	46.0	2.06	72	49.83	3.71	2.3
SOUTHLAND 400	.	.	.	.	.	.	.
HOLLAND 186	.	.	.	.	.	.	.
ACALA MAXXA	557	38.5	1.92	77	43.34	3.00	2.1
STV LA 887	540	48.3	2.09	71	48.68	3.51	2.2

CHICKASHA, OK (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	SEED YIELD (lb/acre)	
PAYMASTER HS 26	775	A	7.16	36.9	11.8	1195
SG 125	635	B A	6.00	36.3	11.0	1151
ALL TEX ATLAS	633	B A	6.49	34.9	11.8	1040
STV LA 887	589	B A	6.43	37.6	11.3	843
PAYMASTER PM 183	586	B A	6.61	36.8	11.6	943
TAMCOT SPHINX	575	B A	6.49	36.6	11.5	1170
HOLLAND 186	544	B A	7.01	35.4	11.3	1042
BS&D TEJAS	537	B	6.22	35.1	11.2	1028
BS&D UTE	532	B	6.28	36.0	10.8	909
ACALA MAXXA	459	B	5.68	38.6	10.2	418
SOUTHLAND 400	457	B	6.42	32.3	12.7	768

CHILLICOTHE, TX (DRY)

YARN Digital Fibrograph Stelometer

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 26	768	A	.	.	.	.	.	.	.	.
BS&D TEJAS	716	A	.	.	.	.	.	.	.	.
SOUTHLAND 400	630	B	.	.	.	.	.	.	.	.
ALL TEX ATLAS	625	B	.	.	.	.	.	.	.	.
TAMCOT SPHINX	623	B	.	.	.	.	.	.	.	.
HOLLAND 186	600	B	.	.	.	.	.	.	.	.
SG 125	592	B	.	.	.	.	.	.	.	.
BS&D UTE	585	B	.	.	.	.	.	.	.	.
PAYMASTER PM 183	583	B	.	.	.	.	.	.	.	.
STV LA 887	568	B	.	.	.	.	.	.	.	.
ACALA MAXXA	423	C	.	.	.	.	.	.	.	.

TIPTON, OK

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
STV LA 887	875	A	6.18	39.8	11.1	126	1.13	0.59	221	10	4.70
SG 125	833	B A	5.16	39.7	10.6	107	1.10	0.57	194	11	4.90
TAMCOT SPHINX	782	B A C	5.18	37.3	11.4	124	1.06	0.56	231	9.0	5.20
BS&D UTE	769	B A C	5.28	37.4	10.6	127	1.10	0.56	227	8.8	4.75
ALL TEX ATLAS	758	B A C	6.20	36.8	12.1	115	1.05	0.56	226	11	5.10
BS&D TEJAS	736	DB A C	5.65	37.2	11.2	103	1.00	0.55	210	12	5.50
HOLLAND 186	730	DB A C	6.12	39.1	11.4	115	1.09	0.55	210	9.8	4.85
ACALA MAXXA	713	DB E C	5.45	41.5	11.9	152	1.11	0.57	256	8.0	4.20
SOUTHLAND 400	669	D E C	6.12	35.7	12.5	130	1.02	0.54	226	8.3	5.15
PAYMASTER HS 26	609	D E	6.04	38.2	12.2	117	1.08	0.58	219	11	5.00
PAYMASTER PM 183	579	E	5.40	37.6	10.5	85	0.99	0.49	175	7.1	5.55

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
STV LA 887	1.16	84.7	28.9	10.0	71.8	7.9	4.50	1223	21.12	3.48	0.81
SG 125	1.07	82.9	24.8	10.5	71.2	7.5	5.00	1233	19.55	3.79	0.67
TAMCOT SPHINX	1.03	82.7	30.7	10.0	70.3	6.5	5.05	1333	22.56	4.07	0.70
BS&D UTE	1.04	82.6	30.6	10.0	70.8	7.1	4.80	1268	22.55	3.95	0.66
ALL TEX ATLAS	1.01	83.0	30.2	10.5	70.5	6.5	5.15	1146	22.80	3.69	0.76
BS&D TEJAS	0.96	82.5	30.3	11.5	69.3	6.7	5.55	1113	23.37	3.65	0.73
HOLLAND 186	1.09	82.7	28.1	10.5	71.5	6.6	4.85	1036	22.84	3.90	0.60
ACALA MAXXA	1.11	84.4	34.4	10.0	71.6	6.9	4.25	922	21.42	4.22	0.59
SOUTHLAND 400	1.01	82.0	30.3	10.0	70.7	7.5	5.15	1167	22.30	3.96	0.50
PAYMASTER HS 26	1.05	84.3	30.9	11.0	71.0	6.9	4.95	911	22.84	3.91	0.76
PAYMASTER PM 183	0.87	77.1	26.6	9.8	67.0	8.2	5.65	764	22.03	3.97	0.33

Arealometer Data

VARIETY	A	D	I	M	p	w	t
	(mm ² /mm ³)	(mm ² /mm ³)		(%)	(microns)	(mg/inch)	(microns)
STV LA 887	442	23.8	1.63	88	46.45	4.07	2.8
SG 125	405	21.5	1.58	90	49.12	4.68	3.1
TAMCOT SPHINX	.	.	.	.	.	.	.
BS&D UTE	.	.	.	.	.	.	.
ALL TEX ATLAS	.	.	.	.	.	.	.
BS&D TEJAS	.	.	.	.	.	.	.
HOLLAND 186	.	.	.	.	.	.	.
ACALA MAXXA	472	26.5	1.69	86	44.99	3.69	2.6
SOUTHLAND 400	.	.	.	.	.	.	.
PAYMASTER HS 26	412	20.3	1.55	91	47.08	4.44	3.1
PAYMASTER PM 183	.	.	.	.	.	.	.



1996 WESTERN REGIONAL COTTON VARIETY TEST REGIONAL SUMMARY

1996 WESTERN REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD		BOLL SIZE		LINT	SEED	YARN	Digital Fibrograph		Stelometer		MICRONAIRE
	(lb/acre)		(g/boll)		PERCENT	INDEX	TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	(Reading)
SG 125	1063	A	4.88		40.4	9.1	103	1.11	0.53	178	9.7	4.34
STV LA 887	963	B A	5.35		40.4	9.8	111	1.13	0.53	199	9.0	3.98
DPL 5690	956	B A	4.47		40.0	8.8	117	1.12	0.53	199	7.7	3.96
PAYMASTER HS 26	876	B A C	5.13		38.2	10.0	110	1.04	0.52	205	9.8	4.24
B-5008	844	B C	4.46		38.1	9.3	131	1.15	0.55	212	7.1	4.16
W-5250	844	B C	5.10		38.0	10.4	136	1.16	0.56	230	7.4	4.13
ACALA 1517-95	793	B C	4.83		38.2	10.3	129	1.16	0.56	217	7.9	4.00
ACALA 1517-91	792	B C	4.94		40.1	10.8	132	1.15	0.56	229	7.6	3.96
ACALA GC 510	789	B C	5.51		40.1	10.1	136	1.12	0.56	220	7.8	4.05
ACALA PREMA	749	B C	5.72		39.0	10.6	146	1.15	0.56	246	8.2	3.74
ACALA MAXXA	709	C	5.47		42.4	10.5	131	1.14	0.56	217	7.9	3.71

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

----- Seed Data -----

VARIETY	2.5% S.L.	UNIFORMITY	STRENGTH	E	Colorimeter	MICRONAIRE	YIELD	OIL	NITROGEN	FREE
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	(inches)	(%)	(g/tex)	Rd	Hunter's b	(Reading)	(lb/acre)	(%)	(%)	GOSSYPOL (%)	
SG 125	1.12	83.0	24.5	10.2	76.0	8.5	4.62	1442	19.49	3.53	0.74
STV LA 887	1.13	82.3	28.4	9.9	73.9	8.6	4.30	1349	19.41	3.36	0.75
DPL 5690	1.14	82.6	28.8	9.6	76.5	7.8	4.22	1270	21.00	3.36	0.83
PAYMASTER HS 26	1.06	82.4	28.7	10.3	74.7	7.7	4.50	1312	21.40	3.38	0.68
B-5008	1.16	82.8	30.6	9.5	75.6	7.8	4.37	1352	21.70	3.47	0.68
W-5250	1.18	84.2	30.5	9.7	74.7	8.0	4.37	1219	21.83	3.49	0.64
ACALA 1517-95	1.17	84.3	31.6	10.0	74.5	7.9	4.20	1238	21.95	3.38	0.57
ACALA 1517-91	1.15	83.5	31.3	9.8	74.9	8.1	4.40	1101	22.14	3.45	0.58
ACALA GC 510	1.13	84.0	31.8	9.8	75.6	7.8	4.27	1091	22.30	3.66	0.41
ACALA PREMA	1.17	84.8	32.6	10.0	75.6	8.0	4.08	1165	21.95	3.41	0.45
ACALA MAXXA	1.15	84.0	31.3	9.7	77.0	7.5	4.05	940	21.36	3.80	0.56

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	468	39.0	1.91	77	51.16	4.25	2.58
STV LA 887	485	38.3	1.89	78	48.83	3.92	2.52
DPL 5690	.	.	.	.	.	.	.
PAYMASTER HS 26	473	42.9	1.98	75	52.45	4.36	2.57
B-5008	.	.	.	.	.	.	.
W-5250	.	.	.	.	.	.	.
ACALA 1517-95	.	.	.	.	.	.	.
ACALA 1517-91	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA MAXXA	520	43.6	1.99	74	47.98	3.60	2.31

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

ACALA PREMA	5.72	A	ACALA MAXXA	42.4	A	ACALA 1517-91	10.8	A
ACALA GC 510	5.51	B A	STV LA 887	40.4	B	ACALA PREMA	10.6	B A
ACALA MAXXA	5.47	B A	SG 125	40.4	B	ACALA MAXXA	10.5	B A
STV LA 887	5.35	B A C	ACALA 1517-91	40.1	B	W-5250	10.4	B A
PAYMASTER HS 26	5.13	B C	ACALA GC 510	40.1	B	ACALA 1517-95	10.3	B A
W-5250	5.10	B C	DPL 5690	40.0	B	ACALA GC 510	10.1	B A C
ACALA 1517-91	4.94	D C	ACALA PREMA	39.0	C B	PAYMASTER HS 26	10.0	DB A C
SG 125	4.88	D C	PAYMASTER HS 26	38.2	C	STV LA 887	9.8	DB C
ACALA 1517-95	4.83	D C	ACALA 1517-95	38.2	C	B-5008	9.3	D E C
DPL 5690	4.47	D	B-5008	38.1	C	SG 125	9.1	D E
B-5008	4.46	D	W-5250	38.0	C	DPL 5690	8.8	E

 YARN TENACITY

ACALA PREMA	146	A
ACALA GC 510	136	B
W-5250	136	C B
ACALA 1517-91	132	C B
B-5008	131	C B
ACALA MAXXA	131	C B
ACALA 1517-95	129	C
DPL 5690	117	D
STV LA 887	111	E D
PAYMASTER HS 26	110	E
SG 125	103	F

 FIBROGRAPH--2.5% S. L.

ACALA 1517-95	1.16	A
W-5250	1.16	A
ACALA PREMA	1.15	B A
ACALA 1517-91	1.15	B A
B-5008	1.15	B A
ACALA MAXXA	1.14	B A C
STV LA 887	1.13	B D C
ACALA GC 510	1.12	D C
DPL 5690	1.12	D C
SG 125	1.11	D
PAYMASTER HS 26	1.04	E

 FIBROGRAPH--50% S. L.

ACALA GC 510	0.56	A
ACALA PREMA	0.56	A
ACALA MAXXA	0.56	A
ACALA 1517-91	0.56	A
ACALA 1517-95	0.56	A
W-5250	0.56	A
B-5008	0.55	A
SG 125	0.53	B
DPL 5690	0.53	C B
STV LA 887	0.53	C B
PAYMASTER HS 26	0.52	C

 STELOMETER - T1

ACALA PREMA	246	A
W-5250	230	B
ACALA 1517-91	229	B
ACALA GC 510	220	C B
ACALA MAXXA	217	C
ACALA 1517-95	217	C
B-5008	212	C D
PAYMASTER HS 26	205	E D

 STELOMETER - E1

PAYMASTER HS 26	9.8	A
SG 125	9.7	B A
STV LA 887	9.0	B
ACALA PREMA	8.2	C
ACALA 1517-95	7.9	C
ACALA MAXXA	7.9	C
ACALA GC 510	7.8	D C
DPL 5690	7.7	D C

 MICRONAIRE

SG 125	4.34	A
PAYMASTER HS 26	4.24	B A
B-5008	4.16	B A C
W-5250	4.13	B A C
ACALA GC 510	4.05	B C
ACALA 1517-95	4.00	B C
STV LA 887	3.98	D C
ACALA 1517-91	3.96	D C

STV LA 887	199	E	ACALA 1517-91	7.6	D C	DPL 5690	3.96	D C
DPL 5690	199	E	W-5250	7.4	D C	ACALA PREMA	3.74	E D
SG 125	178	F	B-5008	7.1	D	ACALA MAXXA	3.71	E

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

W-5250	1.18	A	ACALA PREMA	84.8	A	ACALA PREMA	32.6	A
ACALA 1517-95	1.17	B A	ACALA 1517-95	84.3	B A	ACALA GC 510	31.8	B A
ACALA PREMA	1.17	B A C	W-5250	84.2	B A C	ACALA 1517-95	31.6	B A
B-5008	1.16	DB A C	ACALA GC 510	84.0	DB A C	ACALA MAXXA	31.3	B A
ACALA MAXXA	1.15	DB A C	ACALA MAXXA	84.0	DB A C	ACALA 1517-91	31.3	B A
ACALA 1517-91	1.15	DB A C	ACALA 1517-91	83.5	DB E C	B-5008	30.6	B
DPL 5690	1.14	DB C	SG 125	83.0	D E C	W-5250	30.5	B
ACALA GC 510	1.13	D C	B-5008	82.8	D E	DPL 5690	28.8	C
STV LA 887	1.13	D	DPL 5690	82.6	E	PAYMASTER HS 26	28.7	C
SG 125	1.12	D	PAYMASTER HS 26	82.4	E	STV LA 887	28.4	C
PAYMASTER HS 26	1.06	E	STV LA 887	82.3	E	SG 125	24.5	D

E

COLORIMETER - Rd

COLORIMETER - b

PAYMASTER HS 26	10.3	A	ACALA MAXXA	77.0	A	STV LA 887	8.6	A
SG 125	10.2	B A	DPL 5690	76.5	A	SG 125	8.5	B A
ACALA PREMA	10.0	B A C	SG 125	76.0	B A	ACALA 1517-91	8.1	B A C
ACALA 1517-95	10.0	B A C	ACALA GC 510	75.6	B A	ACALA PREMA	8.0	B C
STV LA 887	9.9	B A C	ACALA PREMA	75.6	B A	W-5250	8.0	B C
ACALA GC 510	9.8	B C	B-5008	75.6	B A	ACALA 1517-95	7.9	C
ACALA 1517-91	9.8	B C	ACALA 1517-91	74.9	B A	ACALA GC 510	7.8	C
ACALA MAXXA	9.7	C	PAYMASTER HS 26	74.7	B A	DPL 5690	7.8	C
W-5250	9.7	C	W-5250	74.7	B A	B-5008	7.8	C
DPL 5690	9.6	C	ACALA 1517-95	74.5	B A	PAYMASTER HS 26	7.7	C
B-5008	9.5	C	STV LA 887	73.9	B	ACALA MAXXA	7.5	C

MICRONAIRE (SL-HVI)

OIL (PERCENT)

NITROGEN (PERCENT)

SG 125	4.62	A	ACALA GC 510	22.30	A	ACALA MAXXA	3.80	A
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PAYMASTER HS 26	4.50	B A	ACALA 1517-91	22.14	A	ACALA GC 510	3.66	B A
ACALA 1517-91	4.40	B A C	ACALA PREMA	21.95	A	SG 125	3.53	B C
B-5008	4.37	B A C	ACALA 1517-95	21.95	A	W-5250	3.49	B C
W-5250	4.37	B A C	W-5250	21.83	A	B-5008	3.47	B C
STV LA 887	4.30	B A C	B-5008	21.70	A	ACALA 1517-91	3.45	B C
ACALA GC 510	4.27	B A C	PAYMASTER HS 26	21.40	B A	ACALA PREMA	3.41	C
DPL 5690	4.22	B C	ACALA MAXXA	21.36	B A	PAYMASTER HS 26	3.38	C
ACALA 1517-95	4.20	B C	DPL 5690	21.00	B A C	ACALA 1517-95	3.38	C
ACALA PREMA	4.08	C	SG 125	19.49	B C	DPL 5690	3.36	C
ACALA MAXXA	4.05	C	STV LA 887	19.41	C	STV LA 887	3.36	C

 FREE GOSSYPOL (PERCENT)

DPL 5690	0.83	A
STV LA 887	0.75	B A
SG 125	0.74	B A
PAYMASTER HS 26	0.68	B C
B-5008	0.68	B C
W-5250	0.64	B C
ACALA 1517-91	0.58	C
ACALA 1517-95	0.57	C
ACALA MAXXA	0.56	D C
ACALA PREMA	0.45	D E
ACALA GC 510	0.41	E

 SEED YIELD (LB/ACRE)

SG 125	1441	A
B-5008	1351	B A
STV LA 887	1348	B A
PAYMASTER HS 26	1312	B A
DPL 5690	1270	B A C
ACALA 1517-95	1238	B A C
W-5250	1219	B A C
ACALA PREMA	1164	B A C
ACALA 1517-91	1100	B A C
ACALA GC 510	1090	B C
ACALA MAXXA	940	C

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	520	A
STV LA 887	485	B
PAYMASTER HS 26	473	B
SG 125	468	B

 AREALOMETER - D (mm²/mm³)

ACALA MAXXA	43.6	A
PAYMASTER HS 26	42.9	A
SG 125	39.0	A
STV LA 887	38.3	A

 AREALOMETER - I

ACALA MAXXA	2.0	A
PAYMASTER HS 26	2.0	A
SG 125	1.9	A
STV LA 887	1.9	A

AREALOMETER - M (PERCENT)			AREALOMETER - p (Microns)			AREALOMETER -w (MG/INCH)		
STV LA 887	78	A	PAYMASTER HS 26	52.45	A	PAYMASTER HS 26	4.36	A
SG 125	77	A	SG 125	51.16	A	SG 125	4.25	A
PAYMASTER HS 26	75	A	STV LA 887	48.83	B	STV LA 887	3.92	B
ACALA MAXXA	74	A	ACALA MAXXA	47.98	B	ACALA MAXXA	3.60	C

AREALOMETER - t (MICRONS)		
SG 125	2.58	A
PAYMASTER HS 26	2.57	A
STV LA 887	2.52	A
ACALA MAXXA	2.31	B

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
EL PASO, TX (IRR)	1069	A	5.61	39.9	10.8	133	1.14	0.56	221	8.4	4.60
ARTESIA, NM (IRR)	975	A	5.90	41.7	10.6	137	1.14	0.58	223	9.9	4.46
PECOS, TX (IRR)	642	B	3.81	37.2	9.7	118	1.11	0.53	200	7.3	3.31
UNIVERSITY PARK, NM	604	B	4.98	39.2	8.8	115	1.13	0.53	211	7.2	3.72

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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EL PASO, TX (IRR)	1.14	83.1	30.1	9.9	76.7	7.3	4.61	1454	22.12	3.65	0.58
ARTESIA, NM (IRR)	1.14	84.4	31.2	10.1	77.3	8.8	4.55	1348	24.13	3.59	0.69
PECOS, TX (IRR)	.	.	.	.	.	.	.	1157	17.71	3.19	0.62
UNIVERSITY PARK, NM	1.14	82.8	28.7	9.5	72.1	7.9	3.75	942	.	.	.

LOCATION	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
EL PASO, TX (IRR)	425	23.3	1.62	88	47.88	4.37	2.9
ARTESIA, NM (IRR)	438	29.3	1.74	84	50.09	4.44	2.8
PECOS, TX (IRR)	550	58.9	2.26	64	51.79	3.65	2.1
UNIVERSITY PARK, NM	534	52.3	2.15	68	50.66	3.67	2.2

UNIVERSITY PARK, NM

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
B-5008	713	A	4.48	37.7	115	1.15	0.53	203	6.0	3.95
SG 125	698	B A	4.86	38.3	92	1.11	0.54	172	8.1	4.20
DPL 5690	672	B A	4.29	38.9	109	1.10	0.50	195	6.6	3.70
ACALA PREMA	642	B A C	5.30	40.9	136	1.14	0.56	252	7.5	3.50
PAYMASTER HS 26	614	B A C	4.86	38.3	108	1.05	0.51	213	8.4	3.85
ACALA 1517-95	596	B A C	5.12	37.8	119	1.17	0.54	217	7.3	3.70
STV LA 887	585	B A C	5.40	39.2	96	1.13	0.52	189	7.5	3.50
W-5250	561	B A C	5.57	38.4	128	1.18	0.55	235	7.0	3.95
ACALA GC 510	554	B A C	5.28	40.6	124	1.10	0.54	203	7.1	3.75
ACALA MAXXA	531	B C	5.33	40.9	117	1.13	0.53	212	6.8	3.35

ACALA 1517-91	484	C	4.37	40.7	8.7	118	1.15	0.53	231	6.9	3.45
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SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
B-5008	1.14	82.4	30.7	9.3	72.4	7.9	3.95	1177	.	.
SG 125	1.11	82.6	23.6	10.0	74.3	8.1	4.10	1126	.	.
DPL 5690	1.14	82.0	27.2	9.1	73.2	7.9	3.70	1053	.	.
ACALA PREMA	1.18	84.8	30.6	10.0	70.8	8.3	3.55	927	.	.
PAYMASTER HS 26	1.08	82.0	28.0	10.0	72.0	7.5	3.60	992	.	.
ACALA 1517-95	1.17	83.7	30.2	9.9	71.1	7.8	3.60	981	.	.
STV LA 887	1.11	81.2	27.7	9.7	72.6	8.2	3.60	909	.	.
W-5250	1.19	84.1	29.1	9.1	70.5	7.9	4.00	901	.	.
ACALA GC 510	1.13	83.1	29.5	9.4	71.0	8.2	3.90	814	.	.
ACALA MAXXA	1.15	82.6	30.1	9.2	75.2	7.0	3.65	771	.	.
ACALA 1517-91	1.16	82.6	29.6	9.4	69.9	8.2	3.60	706	.	.

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
B-5008	.	.	.	.	.	.	.
SG 125	512	49.3	2.10	70	51.47	3.89	2.3
DPL 5690	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
PAYMASTER HS 26	541	56.8	2.23	65	51.80	3.70	2.1
ACALA 1517-95	.	.	.	.	.	.	.
STV LA 887	523	48.3	2.09	70	50.25	3.71	2.2
W-5250	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.
ACALA MAXXA	561	55.0	2.20	67	49.11	3.38	2.1
ACALA 1517-91	.	.	.	.	.	.	.

EL PASO, TX (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
SG 125	1415	A	5.38	41.4	9.8	107	1.11	0.53	184	9.8	4.90
STV LA 887	1396	A	6.10	42.9	10.5	121	1.13	0.53	202	9.3	4.85
DPL 5690	1216	B A	5.24	39.5	9.3	124	1.17	0.56	199	8.0	4.35
ACALA GC 510	1051	B C	6.29	40.3	11.1	145	1.13	0.56	240	8.0	4.60
W-5250	1020	B C	5.18	37.4	11.6	140	1.17	0.58	234	7.4	4.50
ACALA 1517-91	1018	B C	5.46	40.7	12.0	136	1.14	0.57	242	7.1	4.65
B-5008	983	C	4.71	38.2	10.1	140	1.17	0.57	223	7.3	4.60
ACALA MAXXA	937	C	5.90	42.6	11.3	141	1.15	0.57	227	8.9	4.25
ACALA 1517-95	931	C	5.40	39.5	11.4	136	1.14	0.57	224	8.3	4.75
PAYMASTER HS 26	896	C	5.73	37.8	10.9	116	1.04	0.52	213	9.8	4.90
ACALA PREMA	872	C	6.37	39.0	11.5	154	1.15	0.56	248	8.3	4.25

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.15	82.9	24.9	10.0	77.4	8.2	4.90	1749	20.05	3.76	0.69
STV LA 887	1.13	81.9	28.9	10.0	75.5	7.8	4.95	1851	20.95	3.39	0.78
DPL 5690	1.16	82.9	28.6	9.7	77.1	7.1	4.45	1519	21.69	3.41	0.74
ACALA GC 510	1.14	84.2	32.9	10.0	77.0	7.0	4.50	1411	23.33	3.91	0.34
W-5250	1.20	84.2	31.3	10.0	76.6	7.5	4.45	1426	21.37	3.71	0.43
ACALA 1517-91	1.15	82.9	31.5	9.9	77.5	7.4	4.80	1337	23.86	3.53	0.58
B-5008	1.18	83.3	29.3	9.4	76.8	7.0	4.55	1478	22.47	3.60	0.64
ACALA MAXXA	1.14	83.6	31.1	9.9	77.8	7.0	4.35	1299	21.78	4.11	0.57

ACALA 1517-95	1.15	83.7	30.8	10.0	75.8	6.8	4.65	1436	23.25	3.45	0.59
PAYMASTER HS 26	1.05	81.5	29.1	10.0	75.5	7.2	4.90	1281	21.47	3.64	0.62
ACALA PREMA	1.16	83.6	32.4	10.0	77.1	7.2	4.25	1207	23.10	3.63	0.42

VARIETY	Arealometer Data						
	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)

SG 125	415	22.0	1.59	89	48.22	4.49	3.0
STV LA 887	410	17.0	1.48	94	45.16	4.25	3.1
DPL 5690	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.
W-5250	.	.	.	.	.	.	.
ACALA 1517-91	.	.	.	.	.	.	.
B-5008	.	.	.	.	.	.	.
ACALA MAXXA	460	26.5	1.69	86	46.33	3.91	2.7
ACALA 1517-95	.	.	.	.	.	.	.
PAYMASTER HS 26	414	27.5	1.71	85	51.83	4.83	2.9
ACALA PREMA	.	.	.	.	.	.	.

PECOS, TX (IRR)

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	

SG 125	880	A	3.78	37.9	9.3	104	1.10	0.51	167	8.5	3.65
STV LA 887	838	B A	3.90	36.7	10.7	101	1.10	0.51	186	8.3	3.30
PAYMASTER HS 26	778	B C	4.09	35.8	9.6	104	1.01	0.50	186	8.8	3.45
B-5008	749	D C	3.69	36.0	9.3	128	1.14	0.54	200	6.5	3.55
DPL 5690	734	D C	3.32	38.3	8.3	107	1.07	0.49	183	6.8	3.40
W-5250	684	D E	3.87	36.2	10.1	129	1.11	0.54	218	6.6	3.45

ACALA 1517-95	644	E	3.40	35.4	9.8	122	1.15	0.54	207	7.3	3.10
ACALA PREMA	490	F	3.93	36.0	9.6	137	1.13	0.54	231	7.9	2.95
ACALA MAXXA	483	F	4.19	42.0	9.9	119	1.12	0.53	195	6.8	3.10
ACALA 1517-91	449	F	3.62	37.1	10.6	129	1.14	0.55	217	6.5	3.05
ACALA GC 510	338	G	4.15	38.4	9.5	122	1.11	0.54	206	6.4	3.45

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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SG 125	1582	17.07	3.08	0.75
STV LA 887	1570	16.83	3.08	0.73
PAYMASTER HS 26	1408	18.14	3.11	0.62
B-5008	.	.	.	.	.	.	1388	18.48	3.29	0.68
DPL 5690	.	.	.	.	.	.	1207	17.99	3.15	0.86
W-5250	.	.	.	.	.	.	1208	18.82	3.25	0.70
ACALA 1517-95	.	.	.	.	.	.	1216	17.62	3.23	0.53
ACALA PREMA	.	.	.	.	.	.	1024	16.81	2.99	0.41
ACALA MAXXA	.	.	.	.	.	.	687	18.43	3.43	0.56
ACALA 1517-91	.	.	.	.	.	.	869	16.93	3.25	0.52
ACALA GC 510	.	.	.	.	.	.	573	17.70	3.29	0.42

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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SG 125	521	54.0	2.19	67	52.76	3.91	2.2
STV LA 887	555	56.8	2.23	65	50.46	3.51	2.1
PAYMASTER HS 26	538	63.0	2.33	62	54.33	3.90	2.1
B-5008	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
W-5250	.	.	.	.	.	.	.

ACALA 1517-95	.	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.	.
ACALA MAXXA	585	62.0	2.31	62	49.62	3.28	2.0	
ACALA 1517-91	.	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.	.

ARTESIA, NM (IRR)

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
ACALA GC 510	1095	A	6.31	41.0	11.0	155	1.13	0.59	231	9.6	4.40
PAYMASTER HS 26	1086	A	5.83	41.0	10.2	113	1.08	0.55	208	12	4.75
SG 125	1076	A	5.49	44.0	9.6	111	1.12	0.56	189	12	4.60
ACALA 1517-91	1063	B A	6.32	42.0	12.0	144	1.15	0.58	227	9.8	4.70
DPL 5690	1060	B A	5.03	43.5	8.7	128	1.13	0.57	217	9.3	4.40
W-5250	969	B A C	5.79	40.0	11.3	147	1.16	0.59	235	8.8	4.60
ACALA PREMA	938	B C	7.27	40.0	12.1	157	1.17	0.60	253	9.1	4.25
ACALA 1517-95	904	D C	5.42	40.0	10.8	139	1.17	0.59	219	8.9	4.45
B-5008	900	D C	4.96	40.5	9.5	142	1.15	0.57	221	8.5	4.55
STV LA 887	844	D C	6.01	43.0	10.0	127	1.16	0.55	221	11	4.25
ACALA MAXXA	797	D	6.45	44.0	11.1	145	1.16	0.59	234	9.1	4.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
ACALA GC 510	1.14	84.7	33.1	10.0	79.0	8.4	4.40	1565	25.88	3.78	0.48
PAYMASTER HS 26	1.04	83.8	29.1	11.0	76.7	8.5	5.00	1569	24.58	3.39	0.80
SG 125	1.12	83.6	24.9	10.5	76.4	9.4	4.85	1310	21.34	3.74	0.79
ACALA 1517-91	1.14	85.1	32.8	10.0	77.2	8.8	4.80	1491	25.65	3.58	0.66

DPL 5690	1.12	83.0	30.7	10.0	79.1	8.6	4.50	1302	23.33	3.51	0.91
W-5250	1.15	84.2	31.2	10.0	77.0	8.5	4.65	1342	25.30	3.50	0.80
ACALA PREMA	1.17	86.2	34.9	10.0	79.0	8.4	4.45	1500	25.94	3.61	0.53
ACALA 1517-95	1.20	85.5	33.8	10.0	76.7	9.1	4.35	1319	24.97	3.45	0.61
B-5008	1.15	82.8	31.9	10.0	77.6	8.6	4.60	1365	24.15	3.53	0.72
STV LA 887	1.14	83.8	28.6	10.0	73.6	9.9	4.35	1065	20.45	3.60	0.73
ACALA MAXXA	1.16	85.8	32.7	10.0	78.0	8.5	4.15	1004	23.87	3.87	0.55

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
ACALA GC 510	.	.	.	.	.	.	.
PAYMASTER HS 26	399	24.5	1.65	87	51.83	5.02	3.1
SG 125	426	30.8	1.77	83	52.21	4.73	2.8
ACALA 1517-91	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
W-5250	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA 1517-95	.	.	.	.	.	.	.
B-5008	.	.	.	.	.	.	.
STV LA 887	454	31.3	1.79	82	49.45	4.21	2.7
ACALA MAXXA	475	30.8	1.77	83	46.87	3.81	2.5



**1996 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY**

1996 SAN JOAQUIN REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
STV LA 887	1343	A	6.74	43.8	12.0	128	1.14	0.55	223	7.6	4.63
SG 125	1325	B A	5.86	43.6	10.7	109	1.10	0.55	194	8.3	4.83
C 143	1233	B A C	6.20	46.2	12.6	156	1.17	0.59	268	7.3	4.40
C 141	1195	DB A C	6.10	41.4	12.4	154	1.16	0.58	258	7.6	4.30
OA 211	1172	DB A C	5.90	43.5	13.0	145	1.13	0.56	258	7.1	4.30
C 144	1151	DB C	5.71	45.2	12.8	163	1.18	0.59	272	6.6	4.20
PAYMASTER HS 26	1137	D C	6.26	38.3	12.2	120	1.08	0.55	227	8.5	4.70
ACALA MAXXA	1131	D C	6.45	43.4	12.5	149	1.13	0.56	254	6.8	4.48
C 153	1106	D C	5.71	43.0	11.4	153	1.15	0.57	276	6.7	4.30
PHY 49	1103	D C	6.74	39.9	13.6	157	1.16	0.59	267	7.4	4.45
C 151	1091	D E C	5.92	44.5	12.2	165	1.16	0.58	273	6.9	4.35
GC 9427	1086	D E C	6.51	41.2	13.3	157	1.15	0.58	274	6.3	4.40
PHY 52	1070	D E C	6.64	39.9	13.2	151	1.16	0.59	255	6.4	4.70
GC 9209	1050	D E C	5.79	40.3	12.3	161	1.15	0.58	275	6.4	4.50
GC 9422	1048	D E C	7.08	42.2	13.6	165	1.15	0.58	281	6.8	4.28
GC 9426	1039	D E	5.93	41.2	12.6	158	1.14	0.57	275	6.8	4.60
PHY 56	1027	D E	6.34	38.6	12.6	153	1.14	0.57	276	7.1	4.65
GC 9428	911	E	6.14	40.2	12.1	155	1.17	0.59	271	7.4	4.50

VARIETIES COMBINING LOCATIONS

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE
										GOSSYPOL (%)

STV LA 887	1.14	83.3	31.8	10.0	74.6	9.5	4.68	1706	20.83	3.89	0.74
SG 125	1.12	83.1	27.9	10.0	74.0	9.6	4.98	1731	19.83	4.05	0.66
C 143	1.19	84.6	36.1	10.0	75.1	9.4	4.45	1431	22.34	4.45	0.66
C 141	1.15	84.1	35.1	10.0	74.8	9.1	4.33	1596	20.93	4.24	0.52
OA 211	1.14	83.6	34.6	9.9	74.7	9.0	4.40	1552	21.77	4.40	0.56
C 144	1.22	85.3	36.9	10.0	75.1	7.4	4.15	1308	22.05	4.55	0.58
PAYMASTER HS 26	1.07	82.7	31.3	10.0	75.7	8.8	4.88	1809	22.24	3.95	0.74
ACALA MAXXA	1.16	83.9	33.6	9.8	74.9	8.7	4.50	1478	21.38	4.36	0.59
C 153	1.17	83.8	36.2	10.0	75.1	8.5	4.28	1406	21.96	4.28	0.61
PHY 49	1.17	84.7	35.1	10.0	74.1	9.0	4.58	1637	22.08	4.13	0.49
C 151	1.17	84.7	37.6	10.0	73.7	9.4	4.35	1329	22.08	4.47	0.53
GC 9427	1.17	84.0	38.0	10.0	75.0	9.2	4.50	1509	23.09	4.29	0.47
PHY 52	1.15	84.9	35.0	10.0	75.3	9.1	4.85	1654	21.57	4.19	0.44
GC 9209	1.17	84.3	37.2	9.9	74.9	9.0	4.53	1520	22.47	4.24	0.60
GC 9422	1.16	84.8	36.6	10.0	74.7	9.1	4.35	1516	22.39	4.12	0.46
GC 9426	1.16	84.0	37.7	10.0	74.3	8.5	4.65	1464	22.24	4.33	0.63
PHY 56	1.14	83.9	37.0	10.0	72.2	9.6	4.70	1614	21.84	4.17	0.54
GC 9428	1.16	84.6	36.4	10.0	74.0	9.0	4.58	1356	21.12	4.13	0.58

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV LA 887	435	27.1	1.70	85	49.08	4.35	2.80
SG 125	428	26.6	1.69	86	49.63	4.48	2.86
C 143	.	.	.	.	.	.	.
C 141	.	.	.	.	.	.	.
OA 211	.	.	.	.	.	.	.
C 144	.	.	.	.	.	.	.
PAYMASTER HS 26	427	31.4	1.79	82	52.62	4.77	2.82
ACALA MAXXA	453	28.9	1.74	84	48.14	4.10	2.68
C 153	.	.	.	.	.	.	.
PHY 49	.	.	.	.	.	.	.
C 151	.	.	.	.	.	.	.
GC 9427	.	.	.	.	.	.	.

PHY 52	.	.	.	.	.	.	.
GC 9209	.	.	.	.	.	.	.
GC 9422	.	.	.	.	.	.	.
GC 9426	.	.	.	.	.	.	.
PHY 56	.	.	.	.	.	.	.
GC 9428	.	.	.	.	.	.	.

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
GC 9422	7.08	A	C 143	46.2	A	GC 9422	13.6	A
STV LA 887	6.74	B A	C 144	45.2	B A	PHY 49	13.6	A
PHY 49	6.74	B A	C 151	44.5	B A	GC 9427	13.3	B A
PHY 52	6.64	B A C	STV LA 887	43.8	B C	PHY 52	13.2	B A C
GC 9427	6.51	DB A C	SG 125	43.6	B C D	OA 211	13.0	DB A C
ACALA MAXXA	6.45	DBEA C	OA 211	43.5	B C D	C 144	12.8	DB A C
PHY 56	6.34	DBE C	ACALA MAXXA	43.4	B C D	C 143	12.6	DB A C
PAYMASTER HS 26	6.26	DBE C	C 153	43.0	EB C D	GC 9426	12.6	DB A C
C 143	6.20	DBE C	GC 9422	42.2	EF C D	PHY 56	12.6	DB A C
GC 9428	6.14	DBE C	C 141	41.4	EF G D	ACALA MAXXA	12.5	DBEA C
C 141	6.10	DBE C	GC 9427	41.2	EF G	C 141	12.4	DBE C
GC 9426	5.93	D E C	GC 9426	41.2	EF G	GC 9209	12.3	DBE C
C 151	5.92	D E C	GC 9209	40.3	F G H	PAYMASTER HS 26	12.2	D E C
OA 211	5.90	D E C	GC 9428	40.2	F G H	C 151	12.2	D E C
SG 125	5.86	D E	PHY 49	39.9	G H	GC 9428	12.1	D E C
GC 9209	5.79	D E	PHY 52	39.9	G H	STV LA 887	12.0	D E
C 144	5.71	E	PHY 56	38.6	H	C 153	11.4	EF
C 153	5.71	E	PAYMASTER HS 26	38.3	H	SG 125	10.7	F

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
C 151	165	A	C 144	1.18	A	C 143	0.59	A
GC 9422	165	B A	C 143	1.17	B A	C 144	0.59	A
C 144	163	B A C	GC 9428	1.17	B A	GC 9428	0.59	A
GC 9209	161	DB A C	C 141	1.16	B A C	PHY 49	0.59	A
GC 9426	158	DBEA C	C 151	1.16	B A C	PHY 52	0.59	A
PHY 49	157	DBEA C	PHY 49	1.16	B A C	C 141	0.58	B A

GC 9427	157	DBEA C	PHY 52	1.16	B A C	GC 9209	0.58	B A
C 143	156	DBEA C	GC 9427	1.15	B A C	C 151	0.58	B A
GC 9428	155	DBEF C	GC 9209	1.15	B C	GC 9422	0.58	B A
C 141	154	D EF C	C 153	1.15	B C	GC 9427	0.58	B A
C 153	153	D EF C	GC 9422	1.15	B C	C 153	0.57	B A
PHY 56	153	D EF C	STV LA 887	1.14	B C	GC 9426	0.57	B A
PHY 52	151	D EF	GC 9426	1.14	B C	PHY 56	0.57	B A
ACALA MAXXA	149	EF	PHY 56	1.14	B C	ACALA MAXXA	0.56	B C
OA 211	145	F	ACALA MAXXA	1.13	C	OA 211	0.56	B C
STV LA 887	128	G	OA 211	1.13	C	PAYMASTER HS 26	0.55	C
PAYMASTER HS 26	120	G	SG 125	1.10	D	STV LA 887	0.55	C
SG 125	109	H	PAYMASTER HS 26	1.08	D	SG 125	0.55	C

STELOMETER - T1

GC 9422	281	A
PHY 56	276	A
C 153	276	A
GC 9209	275	A
GC 9426	275	A
GC 9427	274	A
C 151	273	A
C 144	272	B A
GC 9428	271	B A
C 143	268	B A C
PHY 49	267	B A C
C 141	258	B C
OA 211	258	B C
PHY 52	255	C
ACALA MAXXA	254	C
PAYMASTER HS 26	227	D
STV LA 887	223	D
SG 125	194	E

STELOMETER - E1

PAYMASTER HS 26	8.5	A
SG 125	8.3	A
STV LA 887	7.6	B
C 141	7.6	B
GC 9428	7.4	C B
PHY 49	7.4	C B D
C 143	7.3	EC B D
PHY 56	7.1	EC B D
OA 211	7.1	ECFB D
C 151	6.9	ECFG D
ACALA MAXXA	6.8	E FG D
GC 9422	6.8	E FG D
GC 9426	6.8	E FG D
C 153	6.7	E FG
C 144	6.6	E FG
PHY 52	6.4	FG
GC 9209	6.4	G
GC 9427	6.3	G

MICRONAIRE

SG 125	4.83	A
PAYMASTER HS 26	4.70	B A
PHY 52	4.70	B A
PHY 56	4.65	B A C
STV LA 887	4.63	DB A C
GC 9426	4.60	DB A C
GC 9209	4.50	DB E C
GC 9428	4.50	DB E C
ACALA MAXXA	4.48	DB E C
PHY 49	4.45	D E C
C 143	4.40	DF E
GC 9427	4.40	DF E
C 151	4.35	F E
C 141	4.30	F E
C 153	4.30	F E
OA 211	4.30	F E
GC 9422	4.28	F E
C 144	4.20	F

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

C 144	1.22	A	C 144	85.3	A	GC 9427	38.0	A
C 143	1.19	B	PHY 52	84.9	B A	GC 9426	37.7	B A
C 153	1.17	C B	GC 9422	84.8	B A C	C 151	37.6	B A
C 151	1.17	C B D	C 151	84.7	B A C	GC 9209	37.2	B A C
GC 9427	1.17	C B D	PHY 49	84.7	B A C	PHY 56	37.0	B A C
GC 9209	1.17	EC B D	GC 9428	84.6	DB A C	C 144	36.9	B C
PHY 49	1.17	EC B D	C 143	84.6	DB A C	GC 9422	36.6	B C
ACALA MAXXA	1.16	EC B D	GC 9209	84.3	DBEA C	GC 9428	36.4	C
GC 9422	1.16	EC B D	C 141	84.1	DBEF C	C 153	36.2	D C
GC 9426	1.16	EC B D	GC 9426	84.0	DBEF C	C 143	36.1	E D C
GC 9428	1.16	EC D	GC 9427	84.0	DBEFGC	PHY 49	35.1	E D F
C 141	1.15	EC D	ACALA MAXXA	83.9	D EFGC	C 141	35.1	E D F
PHY 52	1.15	EC D	PHY 56	83.9	D EFGC	PHY 52	35.0	E F
STV LA 887	1.14	E D	C 153	83.8	D EFG	OA 211	34.6	G F
OA 211	1.14	E D	OA 211	83.6	HEFG	ACALA MAXXA	33.6	G
PHY 56	1.14	E F	STV LA 887	83.3	H FG	STV LA 887	31.8	H
SG 125	1.12	F	SG 125	83.1	H G	PAYMASTER HS 26	31.3	H
PAYMASTER HS 26	1.07	G	PAYMASTER HS 26	82.7	H	SG 125	27.9	I

E

COLORIMETER - Rd

COLORIMETER - b

PAYMASTER HS 26	10.0	A	PAYMASTER HS 26	75.7	A	PHY 56	9.6	A
STV LA 887	10.0	A	PHY 52	75.3	B A	SG 125	9.6	A
SG 125	10.0	A	C 143	75.1	B A	STV LA 887	9.5	A
C 141	10.0	A	C 144	75.1	B A	C 151	9.4	A
C 151	10.0	A	C 153	75.1	B A	C 143	9.4	A
GC 9422	10.0	A	GC 9427	75.0	B A	GC 9427	9.2	A
GC 9428	10.0	A	ACALA MAXXA	74.9	B A	C 141	9.1	A
PHY 52	10.0	A	GC 9209	74.9	B A	PHY 52	9.1	A
PHY 56	10.0	A	C 141	74.8	B A	GC 9422	9.1	A
PHY 49	10.0	B A	GC 9422	74.7	B A	GC 9428	9.0	A
C 143	10.0	B A	OA 211	74.7	B A	GC 9209	9.0	A
C 144	10.0	B A	STV LA 887	74.6	B A	OA 211	9.0	A
C 153	10.0	B A	GC 9426	74.3	B A	PHY 49	9.0	A
GC 9426	10.0	B A	PHY 49	74.1	B A	PAYMASTER HS 26	8.8	B A
GC 9427	10.0	B A	GC 9428	74.0	B A	ACALA MAXXA	8.7	B A
GC 9209	9.9	B C	SG 125	74.0	B A	C 153	8.5	B A
OA 211	9.9	D C	C 151	73.7	B C	GC 9426	8.5	B A
ACALA MAXXA	9.8	D	PHY 56	72.2	C	C 144	7.4	B

MICRONAIRE (SL-HVI)			OIL (PERCENT)			NITROGEN (PERCENT)		
SG 125	4.98	A	GC 9427	23.09	A	C 144	4.55	A
PAYMASTER HS 26	4.88	B A	GC 9209	22.47	B A	C 151	4.47	B A
PHY 52	4.85	B A	GC 9422	22.39	B A C	C 143	4.45	B A C
PHY 56	4.70	B C	C 143	22.34	B A C	OA 211	4.40	DB A C
STV LA 887	4.68	B C	PAYMASTER HS 26	22.24	B C	ACALA MAXXA	4.36	DB A C
GC 9426	4.65	B C D	GC 9426	22.24	B C	GC 9426	4.33	DBEA C
GC 9428	4.58	E C D	C 151	22.08	B D C	GC 9427	4.29	DBEA C
PHY 49	4.58	E C D	PHY 49	22.08	B D C	C 153	4.28	DBEA C
GC 9209	4.53	FE C D	C 144	22.05	B D C	C 141	4.24	DBEF C
ACALA MAXXA	4.50	FE C D	C 153	21.96	B D C	GC 9209	4.24	DBEF C
GC 9427	4.50	FE C D	PHY 56	21.84	EB D C	PHY 52	4.19	DBEF C
C 143	4.45	FE C D	OA 211	21.77	EB D C	PHY 56	4.17	DGEF C
OA 211	4.40	FE G D	PHY 52	21.57	EF D C	GC 9428	4.13	DGEF
C 151	4.35	FE G	ACALA MAXXA	21.38	EF D	PHY 49	4.13	DGEF
GC 9422	4.35	FE G	GC 9428	21.12	EF	GC 9422	4.12	DGEF
C 141	4.33	FE G	C 141	20.93	F	SG 125	4.05	GEF
C 153	4.28	F G	STV LA 887	20.83	F	PAYMASTER HS 26	3.95	G F
C 144	4.15	G	SG 125	19.83	G	STV LA 887	3.89	G

FREE GOSSYPOL (PERCENT)			SEED YIELD (LB/ACRE)		
PAYMASTER HS 26	0.74	A	PAYMASTER HS 26	1809	A
STV LA 887	0.74	A	SG 125	1730	B A
C 143	0.66	B A	STV LA 887	1706	B A C
SG 125	0.66	B A C	PHY 52	1654	DB A C
GC 9426	0.63	DB A C	PHY 49	1637	DBEA C
C 153	0.61	DB C	PHY 56	1614	DBEA C
GC 9209	0.60	DB E C	C 141	1596	DBEAFC
ACALA MAXXA	0.59	DBFE C	OA 211	1551	GDBEAFC
C 144	0.58	DBFEGC	GC 9209	1520	GDBE FC
GC 9428	0.58	DBFEGC	GC 9422	1516	GDBE FC
OA 211	0.56	DBFEGC	GC 9427	1509	GDBE FC
PHY 56	0.54	DHFEGC	ACALA MAXXA	1477	GDBE FC
C 151	0.53	DHFEG	GC 9426	1464	GDBE FC

C 141	0.52	DHFEG	C 143	1430	GD E FC
PHY 49	0.49	HFEG	C 153	1405	GD E F
GC 9427	0.47	HF G	GC 9428	1356	G E F
GC 9422	0.46	H G	C 151	1329	G F
PHY 52	0.44	H	C 144	1307	G

AREALOMETER - A (mm²/mm³)

ACALA MAXXA	453	A
STV LA 887	435	A
SG 125	428	A
PAYMASTER HS 26	427	A

AREALOMETER - D (mm²/mm³)

PAYMASTER HS 26	31.4	A
ACALA MAXXA	28.9	A
STV LA 887	27.1	A
SG 125	26.6	A

AREALOMETER - I

PAYMASTER HS 26	1.8	A
ACALA MAXXA	1.7	A
STV LA 887	1.7	A
SG 125	1.7	A

AREALOMETER - M (PERCENT)

SG 125	86	A
STV LA 887	85	A
ACALA MAXXA	84	A
PAYMASTER HS 26	82	A

AREALOMETER - p (Microns)

PAYMASTER HS 26	52.62	A
SG 125	49.63	B A
STV LA 887	49.08	B
ACALA MAXXA	48.14	B

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.77	A
SG 125	4.48	B A
STV LA 887	4.35	B A
ACALA MAXXA	4.10	B

AREALOMETER - t (MICRONS)

SG 125	2.86	A
PAYMASTER HS 26	2.82	A
STV LA 887	2.80	A
ACALA MAXXA	2.68	A

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
W SIDE FIELD STATION, CA	1283	A	6.16	43.5	12.4	151	1.15	0.57	260	7.1	4.58
SHAFTER, CA	964	B	6.29	40.6	12.5	149	1.14	0.57	259	7.1	4.37

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
W SIDE FIELD STATION, CA	1.15	84.0	35.1	9.9	74.0	9.1	4.65	1715	21.74	4.22	0.63
SHAFTER, CA	1.16	84.3	35.3	10.0	75.1	8.9	4.43	1354	21.84	4.25	0.53

Arealometer Data

LOCATION	A	D	I	M	p	w	t
	(mm ² /mm ³)	(mm ² /mm ³)		(%)	(microns)	(mg/inch)	(microns)
W SIDE FIELD STATION, CA	437	29.0	1.74	84	50.10	4.44	2.8
SHAFTER, CA	435	28.0	1.72	84	49.63	4.41	2.8

SHAFTER, CA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer			
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
SG 125	1160	A	5.75	42.2	10.7	108	1.08	0.54	193	8.5	4.90
C 143	1065	B A	6.25	44.4	12.9	160	1.17	0.59	267	7.3	4.35
PAYMASTER HS 26	1034	B C	6.44	37.2	12.5	119	1.09	0.56	233	8.4	4.60
C 144	1022	B C D	6.22	42.7	12.8	161	1.19	0.59	275	6.5	4.00
STV LA 887	1015	B C D	7.00	41.6	12.6	133	1.13	0.55	233	7.6	4.45
C 141	995	EB C D	5.93	39.9	12.2	154	1.14	0.57	259	7.6	4.15
OA 211	980	EB C D	5.77	42.0	12.6	146	1.13	0.57	259	7.1	4.20
ACALA MAXXA	961	EB C D	6.68	41.8	12.6	147	1.12	0.56	247	6.5	4.45
PHY 49	957	EB C D	6.67	38.2	13.4	157	1.15	0.58	264	7.4	4.35
PHY 56	946	EB C D	6.50	36.6	12.4	152	1.14	0.57	270	7.6	4.45
C 153	945	EB C D	5.62	41.3	11.4	150	1.14	0.57	276	6.4	4.25
GC 9427	932	EF C D	6.20	39.2	13.9	148	1.15	0.57	269	6.3	4.25
PHY 52	928	EF C D	6.87	38.6	13.2	147	1.15	0.60	250	6.5	4.60
GC 9426	917	EF C D	6.10	39.7	12.7	158	1.13	0.56	277	6.5	4.55
GC 9422	901	EF D	6.89	42.2	13.4	165	1.15	0.59	278	6.8	4.15
C 151	887	EF	6.18	43.3	12.4	163	1.14	0.57	278	6.9	4.20
GC 9209	885	EF	6.04	40.3	12.3	160	1.14	0.58	276	6.1	4.35
GC 9428	820	F	6.06	39.2	11.4	152	1.17	0.58	269	7.3	4.45

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SG 125	1.11	82.6	27.7	10.0	73.8	9.7	5.05	1504	19.66	4.12	0.54
C 143	1.20	84.9	37.0	10.0	75.3	9.5	4.35	1236	22.71	4.46	0.66
PAYMASTER HS 26	1.07	82.7	31.7	10.0	75.5	8.7	4.75	1670	22.42	4.00	0.67
C 144	1.23	85.4	36.7	10.0	75.0	8.7	3.90	1276	22.36	4.55	0.58
STV LA 887	1.17	83.8	32.2	10.0	74.4	9.5	4.50	1327	20.72	4.01	0.67
C 141	1.16	84.3	35.4	10.0	75.8	9.1	4.15	1364	20.71	4.21	0.46

OA 211	1.14	83.7	34.7	9.9	75.5	8.7	4.35	1366	22.10	4.44	0.51
ACALA MAXXA	1.15	83.9	33.5	9.9	74.9	8.0	4.45	1283	21.48	4.35	0.53
PHY 49	1.17	84.8	35.0	10.0	74.4	8.6	4.45	1444	21.73	4.08	0.46
PHY 56	1.13	84.1	37.3	10.0	72.6	9.4	4.50	1630	21.77	4.10	0.41
C 153	1.18	84.4	36.7	10.0	75.7	8.3	4.20	1223	22.34	4.37	0.57
GC 9427	1.17	84.6	37.5	10.0	76.5	9.0	4.30	1359	23.32	4.26	0.43
PHY 52	1.15	84.8	34.9	10.0	76.1	8.9	4.75	1465	21.32	4.09	0.39
GC 9426	1.17	84.0	37.6	10.0	74.6	7.8	4.55	1273	22.34	4.40	0.61
GC 9422	1.16	84.9	36.9	10.0	75.7	9.0	4.15	1315	22.33	4.03	0.39
C 151	1.17	84.6	37.5	10.0	74.8	9.4	4.25	1134	22.31	4.46	0.48
GC 9209	1.18	84.8	37.2	10.0	76.0	8.9	4.45	1273	22.18	4.24	0.56
GC 9428	1.16	84.6	36.4	10.0	75.2	8.7	4.55	1225	21.39	4.40	0.55

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	418	25.3	1.66	87	49.94	4.62	2.9
C 143	.	.	.	.	.	.	.
PAYMASTER HS 26	432	30.5	1.77	83	51.54	4.62	2.8
C 144	.	.	.	.	.	.	.
STV LA 887	439	28.8	1.73	84	49.57	4.36	2.8
C 141	.	.	.	.	.	.	.
OA 211	.	.	.	.	.	.	.
ACALA MAXXA	452	27.5	1.71	85	47.48	4.06	2.7
PHY 49	.	.	.	.	.	.	.
PHY 56	.	.	.	.	.	.	.
C 153	.	.	.	.	.	.	.
GC 9427	.	.	.	.	.	.	.
PHY 52	.	.	.	.	.	.	.
GC 9426	.	.	.	.	.	.	.
GC 9422	.	.	.	.	.	.	.
C 151	.	.	.	.	.	.	.
GC 9209	.	.	.	.	.	.	.
GC 9428	.	.	.	.	.	.	.

W SIDE FIELD STATION, CA

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
STV LA 887	1671	A	6.49	46.0	11.3	122	1.15	0.55	213	7.6	4.80
SG 125	1489	B	5.98	45.0	10.6	110	1.11	0.56	195	8.0	4.75
C 143	1401	C B	6.16	48.0	12.2	151	1.16	0.59	269	7.3	4.45
C 141	1395	C B D	6.28	43.0	12.6	154	1.17	0.59	258	7.6	4.45
OA 211	1365	EC B D	6.03	45.0	13.4	144	1.13	0.56	257	7.0	4.40
ACALA MAXXA	1302	EC F D	6.22	45.1	12.3	152	1.15	0.57	261	7.0	4.50
C 151	1296	EC F D	5.66	45.8	11.9	167	1.18	0.60	269	6.9	4.50
C 144	1280	EC F D	5.21	47.7	12.8	165	1.17	0.58	270	6.8	4.40
C 153	1268	EC F D	5.80	44.7	11.3	156	1.15	0.58	276	7.0	4.35
PHY 49	1249	EG F D	6.80	41.7	13.7	157	1.16	0.59	271	7.4	4.55
PAYMASTER HS 26	1240	EG F	6.08	39.3	11.8	122	1.07	0.54	221	8.6	4.80
GC 9427	1240	EG F	6.82	43.2	12.7	165	1.15	0.58	278	6.3	4.55
GC 9209	1216	EG F	5.54	40.3	12.2	163	1.15	0.58	274	6.6	4.65
PHY 52	1211	EG F	6.41	41.2	13.2	155	1.17	0.58	259	6.4	4.80
GC 9422	1195	G F	7.28	42.2	13.7	164	1.14	0.58	284	6.8	4.40
GC 9426	1162	G F	5.76	42.6	12.4	157	1.14	0.58	273	7.0	4.65
PHY 56	1108	G H	6.19	40.7	12.7	154	1.13	0.57	283	6.6	4.85
GC 9428	1002	H	6.23	41.2	12.8	157	1.16	0.59	273	7.6	4.55

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
STV LA 887	1.12	82.9	31.4	10.0	74.8	9.5	4.85	2086	20.95	3.78	0.82
SG 125	1.12	83.6	28.1	10.0	74.1	9.6	4.90	1957	20.01	3.99	0.78

C 143	1.18	84.3	35.2	9.9	75.0	9.3	4.55	1626	21.98	4.43	0.65
C 141	1.14	84.0	34.8	10.0	73.8	9.1	4.50	1828	21.15	4.27	0.58
OA 211	1.15	83.5	34.4	9.9	73.9	9.3	4.45	1738	21.44	4.37	0.61
ACALA MAXXA	1.18	83.9	33.6	9.7	74.9	9.4	4.55	1672	21.28	4.37	0.64
C 151	1.17	84.9	37.7	10.0	72.7	9.5	4.45	1524	21.86	4.49	0.57
C 144	1.22	85.1	37.1	9.9	75.3	6.0	4.40	1340	21.73	4.55	0.57
C 153	1.17	83.2	35.7	9.9	74.5	8.7	4.35	1588	21.59	4.18	0.66
PHY 49	1.17	84.6	35.3	10.0	73.8	9.4	4.70	1831	22.43	4.17	0.51
PAYMASTER HS 26	1.07	82.7	30.9	10.0	75.8	8.9	5.00	1948	22.06	3.91	0.81
GC 9427	1.17	83.4	38.6	9.9	73.5	9.4	4.70	1660	22.87	4.32	0.51
GC 9209	1.15	83.9	37.2	9.9	73.8	9.1	4.60	1767	22.76	4.25	0.64
PHY 52	1.15	85.0	35.2	10.0	74.5	9.3	4.95	1843	21.82	4.29	0.50
GC 9422	1.17	84.6	36.4	10.0	73.7	9.2	4.55	1717	22.45	4.22	0.53
GC 9426	1.16	84.1	37.8	9.9	74.0	9.1	4.75	1655	22.15	4.27	0.64
PHY 56	1.15	83.7	36.8	10.0	71.8	9.9	4.90	1599	21.92	4.25	0.66
GC 9428	1.16	84.7	36.4	10.0	72.9	9.4	4.60	1488	20.84	3.87	0.61

W SIDE FIELD STATION, CA

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV LA 887	431	25.5	1.67	87	48.60	4.35	2.9
SG 125	439	28.0	1.72	85	49.32	4.35	2.8
C 143	.	.	.	.	.	.	.
C 141	.	.	.	.	.	.	.
OA 211	.	.	.	.	.	.	.
ACALA MAXXA	455	30.3	1.77	83	48.79	4.14	2.7
C 151	.	.	.	.	.	.	.
C 144	.	.	.	.	.	.	.
C 153	.	.	.	.	.	.	.
PHY 49	.	.	.	.	.	.	.
PAYMASTER HS 26	422	32.3	1.80	81	53.71	4.91	2.8
GC 9427	.	.	.	.	.	.	.
GC 9209	.	.	.	.	.	.	.
PHY 52	.	.	.	.	.	.	.
GC 9422	.	.	.	.	.	.	.
GC 9426	.	.	.	.	.	.	.

PHY 56
 GC 9428



1996 HIGH QUALITY REGIONAL COTTON VARIETY TEST REGIONAL SUMMARY

1996 HIGH QUALITY REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SG 125	1056	A	5.27	41.0	114	1.15	0.57	186	9.1	4.56
DPX 93-05	1040	B A	5.47	39.4	131	1.12	0.58	215	7.1	4.85
Arkot 8712	1006	B A C	5.44	39.4	133	1.17	0.58	211	8.1	4.56
DPX 1111	991	B A C	5.00	43.2	133	1.13	0.57	214	6.1	4.68
B 7413	979	B A C	4.86	39.9	126	1.15	0.58	203	8.5	4.56
89 E-51	966	B A C	5.74	38.1	137	1.17	0.58	220	6.9	4.31
152 B	961	B A C	4.37	40.5	126	1.12	0.56	214	8.7	4.59
SS 9506	959	B A C	5.12	40.1	134	1.15	0.57	223	7.0	4.45
SS 9501	955	B A C	4.88	40.7	123	1.15	0.58	202	8.5	4.57
AZ 93-259	953	DB A C	5.10	38.5	140	1.17	0.58	226	6.9	4.32
AZ 93-180	949	DB A C	4.64	41.4	133	1.19	0.58	215	7.3	4.33
STV LA 887	943	DB A C	6.04	41.3	134	1.15	0.57	217	8.3	4.31
GA 90-41	927	DB C	5.49	39.1	142	1.15	0.58	224	6.3	4.33
AZ 93-248	922	DB C	5.10	38.9	122	1.17	0.58	201	8.3	4.57

SS 9303	894	D	C	5.42	38.1	10.2	121	1.13	0.56	200	7.1	4.44
GA 91-143	894	D	C	5.40	40.5	11.1	140	1.17	0.59	229	6.5	4.27
AR 870622	890	D	C	5.88	37.3	11.1	132	1.17	0.59	214	8.4	4.32
PD 93054	836	D		5.46	38.1	11.0	134	1.16	0.58	213	6.8	4.14
ACALA MAXXA	562		E	5.42	40.8	11.7	145	1.15	0.57	229	7.0	3.96

VARIETIES COMBINING LOCATIONS

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
SG 125	1.13	83.8	24.8	9.9	70.4	7.8	4.56	1552	19.81	3.74	0.71
DPX 93-05	1.11	84.1	30.2	9.9	70.1	7.8	4.84	1594	19.58	3.56	0.89
Arkot 8712	1.17	85.1	28.5	10.0	69.9	7.2	4.59	1478	20.81	3.50	0.70
DPX 1111	1.13	83.6	30.6	9.7	71.5	7.3	4.70	1320	18.06	3.82	0.68
B 7413	1.14	84.6	28.1	10.2	69.0	7.6	4.60	1505	20.55	3.62	0.80
89 E-51	1.16	84.6	30.3	9.8	72.0	7.2	4.33	1552	23.49	3.60	0.97
152 B	1.11	83.4	29.4	10.0	70.7	7.6	4.60	1364	20.22	3.54	0.78
SS 9506	1.14	84.0	30.9	9.8	72.3	7.5	4.36	1459	20.95	3.44	0.84
SS 9501	1.16	84.7	27.4	10.0	70.0	7.6	4.60	1395	20.64	3.57	0.87
AZ 93-259	1.16	84.0	31.5	9.9	70.7	7.9	4.28	1508	21.17	3.50	0.76
AZ 93-180	1.19	84.6	29.5	9.8	72.2	7.5	4.41	1298	20.83	3.61	0.76
STV LA 887	1.15	84.0	30.1	10.0	70.9	7.9	4.34	1329	20.20	3.55	0.90
GA 90-41	1.15	84.4	31.2	9.7	71.2	7.3	4.33	1428	20.75	3.56	0.69
AZ 93-248	1.17	84.5	28.2	9.9	72.0	7.4	4.62	1463	20.35	3.44	0.69
SS 9303	1.13	83.2	27.1	9.6	71.2	7.4	4.40	1450	20.65	3.54	0.81
GA 91-143	1.16	84.7	33.2	9.8	69.6	7.8	4.28	1327	21.50	3.65	0.83
AR 870622	1.17	85.1	30.1	10.1	72.7	7.1	4.34	1478	20.64	3.74	0.60
PD 93054	1.15	83.7	29.9	9.7	70.6	7.5	4.16	1375	21.04	3.63	0.76
ACALA MAXXA	1.14	84.2	31.0	9.5	70.9	7.6	3.92	808	20.63	4.06	0.60

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	436	33.0	1.81	81	51.99	4.62	2.79
DPX 93-05	417	26.8	1.68	86	50.62	4.70	2.98
Arkot 8712	438	26.2	1.67	86	47.85	4.23	2.84
DPX 1111	425	25.3	1.65	87	48.83	4.45	2.93
B 7413	434	31.4	1.77	82	51.26	4.57	2.82
89 E-51	455	33.4	1.82	81	50.33	4.28	2.64
152 B	436	28.9	1.73	84	49.99	4.46	2.81
SS 9506	450	31.0	1.76	83	49.07	4.24	2.74
SS 9501	437	31.4	1.78	82	51.14	4.53	2.79
AZ 93-259	461	28.0	1.71	85	46.61	3.92	2.67
AZ 93-180	452	32.9	1.81	81	50.34	4.33	2.69
STV LA 887	450	30.3	1.76	83	49.06	4.23	2.71
GA 90-41	449	30.4	1.76	83	48.95	4.22	2.73
AZ 93-248	442	30.8	1.77	83	50.08	4.39	2.76
SS 9303	447	30.5	1.76	83	49.39	4.27	2.73
GA 91-143	461	33.3	1.81	81	49.52	4.20	2.65
AR 870622	452	31.5	1.78	82	49.61	4.25	2.69
PD 93054	471	35.8	1.86	79	49.57	4.09	2.57
ACALA MAXXA	490	34.1	1.84	80	47.19	3.73	2.45

BOLL SIZE, GRAM PER BOLL

LINT PERCENT

SEED INDEX

STV LA 887	6.04	A	DPX 1111	43.2	A	89 E-51	12.4	A
AR 870622	5.88	B A	AZ 93-180	41.4	B	ACALA MAXXA	11.7	B
89 E-51	5.74	B C	STV LA 887	41.3	C B	GA 90-41	11.2	C
GA 90-41	5.49	D C	SG 125	41.0	C B	AR 870622	11.1	C
DPX 93-05	5.47	D C	ACALA MAXXA	40.8	C B D	GA 91-143	11.1	C
PD 93054	5.46	D C	SS 9501	40.7	EC B D	PD 93054	11.0	C
Arkot 8712	5.44	D C	GA 91-143	40.5	EC D	STV LA 887	10.9	C
ACALA MAXXA	5.42	D E	152 B	40.5	EC D	Arkot 8712	10.6	D
SS 9303	5.42	D E	SS 9506	40.1	E F D	DPX 93-05	10.4	D
GA 91-143	5.40	D E F	B 7413	39.9	E F	SG 125	10.2	D

SG 125	5.27	GD E F	DPX 93-05	39.4	G F	SS 9303	10.2	D
SS 9506	5.12	GH E F	Arkot 8712	39.4	G F	B 7413	10.2	D
AZ 93-248	5.10	GH F	GA 90-41	39.1	G H	SS 9506	9.8	E
AZ 93-259	5.10	GH F	AZ 93-248	38.9	G H	SS 9501	9.8	E
DPX 1111	5.00	GH	AZ 93-259	38.5	I H	AZ 93-259	9.6	F E
SS 9501	4.88	H I	89 E-51	38.1	I	AZ 93-248	9.5	F
B 7413	4.86	H I	PD 93054	38.1	I	DPX 1111	9.4	F
AZ 93-180	4.64	J I	SS 9303	38.1	I	AZ 93-180	9.4	F
152 B	4.37	J	AR 870622	37.3	J	152 B	8.8	G

 YARN TENACITY

 FIBROGRAPH--2.5% S. L.

 FIBROGRAPH--50% S. L.

ACALA MAXXA	145	A	AZ 93-180	1.19	A	AR 870622	0.59	A
GA 90-41	142	B A	AR 870622	1.17	B A	GA 91-143	0.59	A
GA 91-143	140	B C	Arkot 8712	1.17	B A	GA 90-41	0.58	A
AZ 93-259	140	B C	AZ 93-248	1.17	B A	AZ 93-259	0.58	B A
89 E-51	137	D C	89 E-51	1.17	B A	89 E-51	0.58	B A
STV LA 887	134	D E	AZ 93-259	1.17	B C	AZ 93-180	0.58	B A C
SS 9506	134	D E	GA 91-143	1.17	B C	Arkot 8712	0.58	DB A C
PD 93054	134	D E	PD 93054	1.16	B C D	B 7413	0.58	DB A C
DPX 1111	133	D E	STV LA 887	1.15	B C D	AZ 93-248	0.58	DBEA C
AZ 93-180	133	D E	ACALA MAXXA	1.15	E C D	SS 9501	0.58	DBEA C
Arkot 8712	133	D E	SG 125	1.15	E C D	PD 93054	0.58	DBEA C
AR 870622	132	D E	GA 90-41	1.15	E C D	DPX 93-05	0.58	DBEA C
DPX 93-05	131	F E	B 7413	1.15	E C D	ACALA MAXXA	0.57	DBEF C
152 B	126	F G	SS 9501	1.15	E C D	SS 9506	0.57	DBEF C
B 7413	126	F G	SS 9506	1.15	E D	DPX 1111	0.57	D EF C
SS 9501	123	H G	SS 9303	1.13	E F	STV LA 887	0.57	D EF
AZ 93-248	122	H G	DPX 1111	1.13	E F	SG 125	0.57	EF
SS 9303	121	H	DPX 93-05	1.12	G F	152 B	0.56	F
SG 125	114	I	152 B	1.12	G	SS 9303	0.56	F

 STELOMETER - T1

 STELOMETER - E1

 MICRONAIRE

ACALA MAXXA	229	A	SG 125	9.1	A	DPX 93-05	4.85	A
GA 91-143	229	A	152 B	8.7	B A	DPX 1111	4.68	B A
AZ 93-259	226	B A	B 7413	8.5	B C	152 B	4.59	B C

GA 90-41	224	B A C	SS 9501	8.5	B C	AZ 93-248	4.57	B C
SS 9506	223	B A C	AR 870622	8.4	B C	SS 9501	4.57	B C
89 E-51	220	B D C	STV LA 887	8.3	B C	SG 125	4.56	B C
STV LA 887	217	D C	AZ 93-248	8.3	B C	Arkot 8712	4.56	B C
DPX 93-05	215	D C	Arkot 8712	8.1	C	B 7413	4.56	B C
AZ 93-180	215	D C	AZ 93-180	7.3	D	SS 9506	4.45	D C
DPX 1111	214	D	SS 9303	7.1	D	SS 9303	4.44	D C
AR 870622	214	D	DPX 93-05	7.1	D	AZ 93-180	4.33	D E
152 B	214	D	SS 9506	7.0	E D	GA 90-41	4.33	D E
PD 93054	213	D	ACALA MAXXA	7.0	E D	AR 870622	4.32	D E
Arkot 8712	211	D	AZ 93-259	6.9	E D	AZ 93-259	4.32	D E
B 7413	203	E	89 E-51	6.9	E D	STV LA 887	4.31	D E
SS 9501	202	E	PD 93054	6.8	E D F	89 E-51	4.31	D E
AZ 93-248	201	E	GA 91-143	6.5	E G F	GA 91-143	4.27	D E
SS 9303	200	E	GA 90-41	6.3	G F	PD 93054	4.14	F E
SG 125	186	F	DPX 1111	6.1	G	ACALA MAXXA	3.96	F

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

AZ 93-180	1.19	A	AR 870622	85.1	A	GA 91-143	33.2	A
AR 870622	1.17	B A	Arkot 8712	85.1	A	AZ 93-259	31.5	B
Arkot 8712	1.17	B A	GA 91-143	84.7	B A	GA 90-41	31.2	C B
AZ 93-248	1.17	B A	SS 9501	84.7	B A	ACALA MAXXA	31.0	C B D
AZ 93-259	1.16	B C	AZ 93-180	84.6	B A	SS 9506	30.9	C B D
GA 91-143	1.16	B C	B 7413	84.6	B A	DPX 1111	30.6	EC B D
89 E-51	1.16	B C	89 E-51	84.6	B A	89 E-51	30.3	EC B D
SS 9501	1.16	B C D	AZ 93-248	84.5	B A C	DPX 93-05	30.2	EC D
GA 90-41	1.15	E C D	GA 90-41	84.4	DB A C	STV LA 887	30.1	EC D
PD 93054	1.15	E C D	ACALA MAXXA	84.2	DB E C	AR 870622	30.1	EC D
STV LA 887	1.15	FE C D	DPX 93-05	84.1	DBFE C	PD 93054	29.9	E D
ACALA MAXXA	1.14	FE G D	AZ 93-259	84.0	DBFE C	AZ 93-180	29.5	E F
SS 9506	1.14	FE G D	STV LA 887	84.0	DBFE C	152 B	29.4	E F
B 7413	1.14	FE G D	SS 9506	84.0	DBFE C	Arkot 8712	28.5	G F
SG 125	1.13	FE G	SG 125	83.8	DGFE C	AZ 93-248	28.2	G H
SS 9303	1.13	FH G	PD 93054	83.7	DGFE	B 7413	28.1	G H
DPX 1111	1.13	H G	DPX 1111	83.6	GFE	SS 9501	27.4	H
DPX 93-05	1.11	H I	152 B	83.4	GF	SS 9303	27.1	H
152 B	1.11	I	SS 9303	83.2	G	SG 125	24.8	I

E			COLORIMETER - Rd			COLORIMETER - b		
B 7413	10.2	A	AR 870622	72.7	A	STV LA 887	7.9	A
AR 870622	10.1	B A	SS 9506	72.3	B A	AZ 93-259	7.9	A
SS 9501	10.0	B C	AZ 93-180	72.2	B A	DPX 93-05	7.8	B A
STV LA 887	10.0	B C D	AZ 93-248	72.0	B A C	GA 91-143	7.8	B A
Arkot 8712	10.0	B C D	89 E-51	72.0	B A C	SG 125	7.8	B A C
152 B	10.0	B C D	DPX 1111	71.5	DB A C	152 B	7.6	DB A C
DPX 93-05	9.9	B C D	GA 90-41	71.2	DB E C	SS 9501	7.6	DB A C
SG 125	9.9	EB C D	SS 9303	71.2	DB E C	B 7413	7.6	DB A C
AZ 93-248	9.9	EB C D	STV LA 887	70.9	DBFE C	ACALA MAXXA	7.6	DB A C
AZ 93-259	9.9	EBFC D	ACALA MAXXA	70.9	DBFE C	AZ 93-180	7.5	DBEA C
GA 91-143	9.8	E FC D	AZ 93-259	70.7	D FE C	SS 9506	7.5	DBEA C
SS 9506	9.8	E FC D	152 B	70.7	D FE C	PD 93054	7.5	DBEA C
89 E-51	9.8	E FC D	PD 93054	70.6	D FE C	AZ 93-248	7.4	DBEA C
AZ 93-180	9.8	E FC D	SG 125	70.4	D FE	SS 9303	7.4	DBE C
DPX 1111	9.7	E FG D	DPX 93-05	70.1	DGFE	GA 90-41	7.3	D E C
GA 90-41	9.7	E FG	SS 9501	70.0	DGFE	DPX 1111	7.3	D E
PD 93054	9.7	FG	Arkot 8712	69.9	GFE	Arkot 8712	7.2	D E
SS 9303	9.6	H G	GA 91-143	69.6	GF	89 E-51	7.2	D E
ACALA MAXXA	9.5	H	B 7413	69.0	G	AR 870622	7.1	E

MICRONAIRE (SL-HVI)			OIL (PERCENT)			NITROGEN (PERCENT)		
DPX 93-05	4.84	A	89 E-51	23.49	A	ACALA MAXXA	4.06	A
DPX 1111	4.70	B A	GA 91-143	21.50	B	DPX 1111	3.82	B
AZ 93-248	4.62	B C	AZ 93-259	21.17	C B	SG 125	3.74	C B
B 7413	4.60	B C	PD 93054	21.04	C B D	AR 870622	3.74	C B
152 B	4.60	B C	SS 9506	20.95	EC B D	GA 91-143	3.65	C D
SS 9501	4.60	B C	AZ 93-180	20.83	EC B D	PD 93054	3.63	D
Arkot 8712	4.59	B C	Arkot 8712	20.81	EC B D	B 7413	3.62	D
SG 125	4.56	B C D	GA 90-41	20.75	EC B D	AZ 93-180	3.61	E D
AZ 93-180	4.41	E C D	SS 9303	20.65	EC D	89 E-51	3.60	E D
SS 9303	4.40	E C D	AR 870622	20.64	EC D	SS 9501	3.57	E D
SS 9506	4.36	E F D	SS 9501	20.64	EC D	GA 90-41	3.56	E D F
STV LA 887	4.34	E F	ACALA MAXXA	20.63	EC D	DPX 93-05	3.56	E D F
AR 870622	4.34	E F	B 7413	20.55	EC F D	STV LA 887	3.55	E D F
GA 90-41	4.33	E F	AZ 93-248	20.35	E F D	152 B	3.54	E D F

89 E-51	4.33	E F	152 B	20.22	EG F	SS 9303	3.54	E D F
AZ 93-259	4.28	E F	STV LA 887	20.20	EG F	Arkot 8712	3.50	E F
GA 91-143	4.28	E F	SG 125	19.81	G F	AZ 93-259	3.50	E F
PD 93054	4.16	F	DPX 93-05	19.58	G	SS 9506	3.44	F
ACALA MAXXA	3.92	G	DPX 1111	18.06	H	AZ 93-248	3.44	F

 FREE GOSSYPOL (PERCENT)

89 E-51	0.97	A
STV LA 887	0.90	B A
DPX 93-05	0.89	B A
SS 9501	0.87	B A C
SS 9506	0.84	B D C
GA 91-143	0.83	B D C
SS 9303	0.81	EB D C
B 7413	0.80	EBFD C
152 B	0.78	EGFD C
AZ 93-180	0.76	EGFD
AZ 93-259	0.76	EGFD
PD 93054	0.76	EGFD
SG 125	0.71	EGF
Arkot 8712	0.70	GFH
AZ 93-248	0.69	G H
GA 90-41	0.69	G H
DPX 1111	0.68	G H
ACALA MAXXA	0.60	H
AR 870622	0.60	H

 SEED YIELD (LB/ACRE)

DPX 93-05	1593	A
89 E-51	1552	B A
SG 125	1551	B A
AZ 93-259	1507	B A C
B 7413	1504	B A C
Arkot 8712	1478	DB A C
AR 870622	1478	DB A C
AZ 93-248	1462	DB A C
SS 9506	1458	DB A C
SS 9303	1449	DB A C
GA 90-41	1427	DB A C
SS 9501	1395	DB C
PD 93054	1374	DB C
152 B	1364	DB C
STV LA 887	1328	D C
GA 91-143	1326	D C
DPX 1111	1319	D C
AZ 93-180	1298	D
ACALA MAXXA	808	E

 AREALOMETER - A (mm²/mm³)

ACALA MAXXA	490	A
PD 93054	471	B
AZ 93-259	461	C B
GA 91-143	461	C B

 AREALOMETER - D (mm²/mm³)

PD 93054	35.8	A
ACALA MAXXA	34.1	B A
89 E-51	33.4	B A C
GA 91-143	33.3	B A C

 AREALOMETER - I

PD 93054	1.9	A
ACALA MAXXA	1.8	B A
89 E-51	1.8	B A C
GA 91-143	1.8	B A C

89 E-51	455	C B D	SG 125	33.0	DB A C	SG 125	1.8	DB A C
AR 870622	452	C E D	AZ 93-180	32.9	DB A C	AZ 93-180	1.8	DB A C
AZ 93-180	452	C E D	AR 870622	31.5	DBEA C	AR 870622	1.8	DB A C
SS 9506	450	C E D	B 7413	31.4	DBEA C	SS 9501	1.8	DBEA C
STV LA 887	450	C E D	SS 9501	31.4	DBEA C	B 7413	1.8	DBEA C
GA 90-41	449	C E D	SS 9506	31.0	DBEAFC	AZ 93-248	1.8	DBEAFC
SS 9303	447	C E D	AZ 93-248	30.8	DBEAFC	SS 9506	1.8	DBEAFC
AZ 93-248	442	F E D	SS 9303	30.5	DBE FC	SS 9303	1.8	DBEAFC
Arkot 8712	438	F E D	GA 90-41	30.4	DBE FC	STV LA 887	1.8	DBE FC
SS 9501	437	F E D	STV LA 887	30.3	DBE FC	GA 90-41	1.8	DBE FC
SG 125	436	F E	152 B	28.9	D EGFC	152 B	1.7	D EGFC
152 B	436	F E	AZ 93-259	28.0	D EGF	AZ 93-259	1.7	D EGF
B 7413	434	F E	DPX 93-05	26.8	EGF	DPX 93-05	1.7	EGF
DPX 1111	425	F G	Arkot 8712	26.2	GF	Arkot 8712	1.7	GF
DPX 93-05	417	G	DPX 1111	25.3	G	DPX 1111	1.7	G

AREALOMETER - M (PERCENT)

AREALOMETER - p (Microns)

AREALOMETER -w (MG/INCH)

DPX 1111	87	A	SG 125	51.99	A	DPX 93-05	4.70	A
Arkot 8712	86	B A	B 7413	51.26	B A	SG 125	4.62	B A
DPX 93-05	86	B A C	SS 9501	51.14	B A	B 7413	4.57	B A C
AZ 93-259	85	DB A C	DPX 93-05	50.62	B A C	SS 9501	4.53	DB A C
152 B	84	DBEA C	AZ 93-180	50.34	B A C	152 B	4.46	DB E C
GA 90-41	83	DBEF C	89 E-51	50.33	B A C	DPX 1111	4.45	DBFE C
STV LA 887	83	DBEF C	AZ 93-248	50.08	B A C	AZ 93-248	4.39	DGFE C
SS 9303	83	DBEFGC	152 B	49.99	B C	AZ 93-180	4.33	DGFE
AZ 93-248	83	DBEFGC	AR 870622	49.61	B D C	89 E-51	4.28	GFE H
SS 9506	83	DBEFGC	PD 93054	49.57	B D C	SS 9303	4.27	GFE H
B 7413	82	D EFGC	GA 91-143	49.52	B D C	AR 870622	4.25	GFE H
SS 9501	82	D EFGC	SS 9303	49.39	B D C	SS 9506	4.24	GFE H
AR 870622	82	D EFGC	SS 9506	49.07	E D C	STV LA 887	4.23	GFE H
SG 125	81	D EFG	STV LA 887	49.06	E D C	Arkot 8712	4.23	GFE H
AZ 93-180	81	D EFG	GA 90-41	48.95	E D C	GA 90-41	4.22	GF H
GA 91-143	81	D EFG	DPX 1111	48.83	E D C	GA 91-143	4.20	G H
89 E-51	81	EFG	Arkot 8712	47.85	E D F	PD 93054	4.09	I H
ACALA MAXXA	80	FG	ACALA MAXXA	47.19	E F	AZ 93-259	3.92	J I
PD 93054	79	G	AZ 93-259	46.61	F	ACALA MAXXA	3.73	J

AREALOMETER - t (MICRONS)

DPX 93-05	2.98	A
DPX 1111	2.93	B A
Arkot 8712	2.84	B C
B 7413	2.82	B C D
152 B	2.81	B C D
SG 125	2.79	E C D
SS 9501	2.79	E C D
AZ 93-248	2.76	E C D
SS 9506	2.74	E C D
GA 90-41	2.73	E C D
SS 9303	2.73	E C D
STV LA 887	2.71	E C D
AZ 93-180	2.69	FE C D
AR 870622	2.69	FE D
AZ 93-259	2.67	FE D
GA 91-143	2.65	FE
89 E-51	2.64	FE
PD 93054	2.57	F G
ACALA MAXXA	2.45	G

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
FLORENCE, SC	1159	A	5.35	41.9	10.1	130	1.16	0.58	206	8.1	4.35
TIFTON, GA	1087	B	5.40	41.3	11.0	.	.	.	.	.	.
BELLE MINA, AL	1052	B	5.27	39.9	10.3	121	1.16	0.56	208	8.0	4.06
ROCKY MOUNT, NC	1051	B	5.66	43.1	10.6	.	.	.	.	.	.
STONEVILLE, MS	1041	B	5.10	39.0	10.1	133	1.14	0.57	213	7.6	4.49
COLLEGE STATION, TX	904	C	4.38	38.6	9.3	131	1.11	0.56	214	6.2	4.74
PORTAGEVILLE, MO	777	D	5.89	38.9	11.7	125	1.16	0.58	210	7.8	4.51
BOSSIER CITY, LA	739	D	5.48	37.6	10.9	137	1.14	0.58	217	7.5	4.88
KEISER, AR	627	E	5.00	38.6	10.1	146	1.20	0.60	226	7.6	3.97

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
FLORENCE, SC	1.16	84.7	28.6	10.0	75.7	7.2	4.32	1610	20.85	3.80	0.78
TIFTON, GA	.	.	.	.	.	.	.	1515	.	.	.
BELLE MINA, AL	1.16	84.2	28.2	10.0	69.1	8.3	4.03	1655	20.13	3.72	0.71
ROCKY MOUNT, NC	.	.	.	.	.	.	.	1353	.	.	.
STONEVILLE, MS	1.11	83.4	29.5	9.9	76.2	8.0	4.54	1655	22.31	3.26	0.86
COLLEGE STATION, TX	1.11	83.6	29.5	10.0	68.6	6.1	4.80	1448	19.94	3.68	0.60
PORTAGEVILLE, MO	1.17	84.2	30.0	9.6	58.8	6.8	4.58	1210	20.18	3.85	0.69
BOSSIER CITY, LA	1.13	84.4	30.9	9.9	74.1	8.1	4.91	1171	21.62	3.37	0.94
KEISER, AR	1.20	85.2	30.3	9.7	74.2	8.2	3.87	924	19.36	3.62	0.80

LOCATIONS COMBINING VARIETIES

LOCATION	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
FLORENCE, SC	450	32.4	1.80	81	50.32	4.33	2.7
TIFTON, GA	.	.	.	.	.	.	.
BELLE MINA, AL	473	38.7	1.92	77	51.08	4.18	2.5
ROCKY MOUNT, NC	.	.	.	.	.	.	.
STONEVILLE, MS	435	26.8	1.69	85	48.91	4.35	2.8
COLLEGE STATION, TX	413	17.6	1.49	93	45.26	4.24	3.1
PORTAGEVILLE, MO	441	31.7	1.79	82	51.04	4.48	2.7
BOSSIER CITY, LA	420	26.6	1.69	86	50.49	4.66	2.9
KEISER, AR	500	41.7	1.97	75	49.73	3.86	2.4

SUBREGIONAL SUMMARY COMBINING BOSSIER CITY, LA COLLEGE STATION, TX KEISER, AR
 PORTAGEVILLE, MO STONEVILLE, MS

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
SG 125	972	A	5.14	40.0	10.2	116	1.14	0.57	187	8.9	4.71
89 E-51	959	A	5.78	37.1	12.4	140	1.17	0.58	223	6.6	4.38
DPX 93-05	955	A	5.44	38.3	10.2	134	1.12	0.58	217	7.0	4.93
Arkot 8712	933	A	5.38	38.1	10.6	136	1.17	0.59	215	7.9	4.67
SS 9506	890	B A	5.05	39.0	9.8	136	1.14	0.58	223	6.8	4.64
B 7413	872	B A C	4.76	38.7	10.0	130	1.14	0.58	209	8.5	4.59
DPX 1111	866	B A C	4.82	42.1	9.4	136	1.13	0.57	218	6.0	4.75
152 B	850	B A C	4.34	39.2	8.8	129	1.11	0.56	214	8.4	4.68
SS 9501	845	B A C	4.78	39.1	9.7	127	1.15	0.58	203	8.3	4.63
AZ 93-180	840	B A C	4.48	40.2	9.4	136	1.19	0.58	218	6.9	4.46
STV LA 887	836	B A C	5.83	40.1	10.7	137	1.16	0.58	219	8.1	4.39
AZ 93-259	831	B A C	5.00	37.1	9.7	141	1.16	0.59	229	6.6	4.38
GA 90-41	826	B A C	5.34	37.6	11.2	145	1.15	0.59	227	6.2	4.44
SS 9303	820	B A C	5.25	36.5	10.1	123	1.14	0.57	201	7.0	4.55
AR 870622	813	B A C	5.89	36.7	11.1	134	1.17	0.59	216	8.0	4.42
AZ 93-248	805	B A C	4.85	37.5	9.4	123	1.16	0.58	202	8.0	4.68
GA 91-143	752	B C	5.37	39.0	11.0	143	1.16	0.59	231	6.4	4.35
PD 93054	720	C	5.39	36.4	10.8	135	1.16	0.57	216	6.5	4.20
ACALA MAXXA	550	D	5.19	39.5	11.7	147	1.15	0.58	234	6.9	3.96

VARIETIES COMBINING LOCATIONS

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					

SG 125	1.12	83.6	25.0	9.9	69.9	7.7	4.73	1495	19.88	3.70	0.75
89 E-51	1.16	84.7	30.7	9.8	72.3	7.2	4.40	1592	23.71	3.53	1.05
DPX 93-05	1.10	83.9	31.1	9.9	69.6	7.9	4.89	1523	19.70	3.49	0.89
Arkot 8712	1.17	85.1	28.9	9.9	69.6	7.2	4.71	1467	20.93	3.46	0.70
SS 9506	1.13	84.0	30.9	9.8	71.9	7.4	4.56	1386	21.07	3.39	0.85
B 7413	1.13	84.5	28.9	10.1	68.5	7.5	4.62	1401	20.33	3.53	0.81
DPX 1111	1.12	83.5	31.5	9.7	70.8	7.2	4.77	1178	18.10	3.76	0.69
152 B	1.10	83.4	30.1	9.9	70.1	7.6	4.70	1220	20.45	3.44	0.82
SS 9501	1.15	84.7	28.0	10.0	69.6	7.3	4.70	1281	20.86	3.55	0.88
AZ 93-180	1.19	84.6	29.7	9.7	70.9	7.5	4.56	1120	20.90	3.58	0.77
STV LA 887	1.15	83.8	30.5	9.9	69.8	7.8	4.41	1237	20.59	3.44	0.95
AZ 93-259	1.16	84.0	31.9	9.8	70.2	7.7	4.38	1321	21.27	3.45	0.73
GA 90-41	1.15	84.2	31.7	9.6	70.6	7.2	4.47	1324	20.63	3.48	0.69
SS 9303	1.13	83.3	27.6	9.5	70.3	7.3	4.52	1400	20.46	3.47	0.78
AR 870622	1.18	85.2	30.6	10.0	72.3	7.0	4.46	1358	20.72	3.67	0.58
AZ 93-248	1.17	84.0	28.3	9.9	71.2	7.4	4.81	1375	20.28	3.39	0.70
GA 91-143	1.15	84.4	33.7	9.8	69.1	7.7	4.38	1132	21.78	3.60	0.88
PD 93054	1.14	83.4	30.3	9.6	70.1	7.3	4.24	1236	21.04	3.60	0.74
ACALA MAXXA	1.14	84.3	31.4	9.4	70.3	7.5	3.92	830	20.25	4.02	0.57

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	427	29.4	1.74	84	51.11	4.64	2.9
89 E-51	451	32.3	1.80	81	50.23	4.31	2.7
DPX 93-05	413	25.4	1.65	87	50.12	4.69	3.0
Arkot 8712	430	23.2	1.61	89	46.95	4.23	2.9
SS 9506	437	27.0	1.68	86	48.23	4.29	2.9
B 7413	433	31.2	1.76	83	50.92	4.54	2.8
DPX 1111	421	24.1	1.63	88	48.46	4.46	3.0
152 B	433	28.8	1.73	84	50.12	4.50	2.8
SS 9501	435	30.0	1.75	83	50.54	4.51	2.8
AZ 93-180	444	30.6	1.76	83	49.83	4.35	2.8
STV LA 887	446	28.6	1.72	84	48.53	4.22	2.8

AZ 93-259	456	26.8	1.68	86	46.29	3.93	2.7
GA 90-41	439	27.1	1.69	86	48.23	4.26	2.8
SS 9303	439	28.9	1.73	84	49.33	4.34	2.8
AR 870622	441	29.0	1.74	84	49.47	4.34	2.8
AZ 93-248	433	27.2	1.70	85	49.14	4.40	2.9
GA 91-143	457	31.7	1.78	82	49.00	4.19	2.7
PD 93054	463	33.6	1.82	81	49.16	4.12	2.6
ACALA MAXXA	493	34.3	1.84	80	47.00	3.70	2.4

SUBREGIONAL SUMMARY COMBINING BELLE MINA, AL FLORENCE, SC ROCKY MOUNT, NC
TIFTON, GA

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	
DPX 1111	1188	A	5.27	44.9	9.5
SG 125	1186	A	5.45	42.5	10.4
DPX 93-05	1175	A	5.52	40.9	10.9
B 7413	1148	B A	5.00	41.6	10.5
AZ 93-259	1144	B A	5.25	40.5	9.6
152 B	1136	B A	4.41	42.1	8.8
SS 9501	1128	B A	5.00	42.7	10.1
Arkot 8712	1119	B A	5.52	41.0	10.5
AZ 93-180	1119	B A	4.83	42.8	9.4
GA 91-143	1118	B A	5.43	42.4	11.2
STV LA 887	1112	B A C	6.34	43.1	11.3
AZ 93-248	1105	B A C	5.49	41.1	9.6
GA 90-41	1086	B A C	5.70	41.1	11.1
SS 9506	1081	B A C	5.22	41.8	9.9
PD 93054	1020	B C	5.55	40.2	11.4
AR 870622	1012	B C	5.87	38.1	11.1
SS 9303	1011	B C	5.64	40.2	10.4
89 E-51	978	C	5.70	39.5	12.2

ACALA MAXXA 580 D 5.75 42.7 11.7

1996 HIGH QUALITY REGIONAL COTTON VARIETY TEST

COLLEGE STATION, TX

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
DPX 1111	1175	A	3.65	42.2	8.3	130	1.09	0.58	208	5.1	4.95
SS 9501	1096	B A	4.39	39.0	8.9	131	1.11	0.57	207	7.8	5.00
SG 125	1071	B A C	4.49	40.9	9.1	110	1.10	0.56	179	7.5	4.95
AZ 93-180	1038	B A C	3.86	41.2	8.1	132	1.14	0.57	209	5.4	4.60
89 E-51	1034	B A C	5.14	36.9	11.5	137	1.12	0.56	224	5.1	4.35
SS 9506	994	DB A C	4.58	38.4	8.5	124	1.09	0.57	206	5.4	4.95
GA 90-41	992	DB A C	5.07	38.3	10.4	138	1.12	0.58	221	5.3	4.55
B 7413	964	DB C	4.57	39.2	9.2	136	1.10	0.60	213	7.3	5.15
AZ 93-259	963	DB C	4.37	38.2	8.5	138	1.11	0.55	222	5.3	4.80
SS 9303	947	DB E C	4.58	37.0	9.4	118	1.10	0.55	198	5.9	4.80
DPX 93-05	928	DB E C	4.41	37.8	8.9	128	1.07	0.58	218	6.3	5.25
GA 91-143	927	DB E C	4.80	38.5	10.4	143	1.11	0.58	229	5.8	4.65
Arkot 8712	882	DF E C	4.39	38.0	9.7	137	1.13	0.57	211	6.0	4.90
AZ 93-248	878	DF E C	3.59	38.7	7.8	114	1.12	0.56	197	6.9	4.70
STV LA 887	788	DF E G	4.24	39.7	9.8	137	1.13	0.56	227	6.9	4.65
PD 93054	750	F E G	4.55	36.5	10.1	134	1.09	0.55	219	5.5	4.50
152 B	709	F G	3.60	40.2	8.2	123	1.09	0.56	214	6.9	4.95
AR 870622	628	G	5.04	35.3	9.8	125	1.11	0.57	219	6.8	4.40
ACALA MAXXA	425	H	4.05	38.4	10.5	149	1.10	0.55	247	6.8	3.90

COLLEGE STATION, TX

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

----- Seed Data -----

VARIETY	2.5% S.L.	UNIFORMITY	STRENGTH	E	Colorimeter	MICRONAIRE	YIELD	OIL	NITROGEN	FREE
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	(inches)	(%)	(g/tex)	Rd	Hunter's b	(Reading)	(lb/acre)	(%)	(%)	GOSSYPOL (%)	
DPX 1111	1.08	83.7	30.6	9.7	71.0	6.2	5.00	1609	16.01	3.99	0.71
SS 9501	1.13	85.4	27.9	10.5	68.1	5.6	5.15	1790	20.23	3.75	0.75
SG 125	1.08	82.8	23.7	10.0	67.7	6.8	4.90	1536	19.44	3.88	0.52
AZ 93-180	1.13	82.5	28.5	9.8	69.7	5.9	4.75	1351	20.34	3.65	0.66
89 E-51	1.14	84.3	31.8	10.0	70.5	5.9	4.30	1746	23.46	3.56	0.72
SS 9506	1.09	83.5	29.8	9.9	72.0	5.0	5.05	1664	20.55	3.53	0.77
GA 90-41	1.12	83.4	30.4	9.6	68.0	5.7	4.70	1747	20.23	3.49	0.51
B 7413	1.11	84.1	30.1	10.5	66.9	6.4	5.05	1575	20.10	3.67	0.39
AZ 93-259	1.12	83.3	30.4	10.0	67.6	6.3	5.00	1404	20.10	3.57	0.54
SS 9303	1.08	82.6	26.7	9.7	68.0	5.9	4.85	1674	19.24	3.57	0.68
DPX 93-05	1.07	83.2	30.3	10.0	68.2	6.8	5.20	1547	18.92	3.66	0.68
GA 91-143	1.12	84.6	33.8	10.0	68.2	6.4	4.65	1480	22.71	3.75	0.74
Arkot 8712	1.15	84.5	28.1	10.0	67.1	6.4	4.95	1388	20.01	3.61	0.51
AZ 93-248	1.12	82.7	26.9	9.9	68.9	6.0	4.90	1407	19.17	3.45	0.57
STV LA 887	1.13	83.5	30.3	10.0	67.0	6.3	4.70	1181	20.15	3.49	0.80
PD 93054	1.10	83.6	29.6	9.8	70.5	5.5	4.55	1495	20.43	3.85	0.53
152 B	1.11	83.2	29.3	10.0	69.2	5.8	5.05	1068	19.97	3.61	0.67
AR 870622	1.13	84.0	28.9	10.0	67.8	6.2	4.60	1274	18.33	3.77	0.32
ACALA MAXXA	1.10	83.6	33.5	9.8	67.4	6.4	3.85	580	19.44	4.17	0.43

COLLEGE STATION, TX

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 1111	394	14.5	1.42	96	45.31	4.44	3.3
SS 9501	400	16.3	1.46	94	45.74	4.41	3.2
SG 125	402	15.0	1.43	95	44.73	4.30	3.2
AZ 93-180	404	15.8	1.45	95	44.96	4.29	3.2
89 E-51	442	28.0	1.72	85	48.96	4.28	2.8
SS 9506	395	13.0	1.38	97	43.95	4.30	3.3
GA 90-41	407	15.3	1.43	95	44.33	4.21	3.2
B 7413	398	13.5	1.39	97	43.93	4.26	3.3
AZ 93-259	429	16.3	1.46	94	42.68	3.84	3.0

SS 9303	404	14.8	1.43	96	44.40	4.26	3.2
DPX 93-05	381	11.5	1.34	99	44.29	4.50	3.5
GA 91-143	411	19.0	1.53	92	46.64	4.38	3.1
Arkot 8712	403	12.5	1.37	98	42.68	4.09	3.3
AZ 93-248	417	20.3	1.55	91	46.61	4.32	3.0
STV LA 887	414	16.8	1.47	94	44.77	4.18	3.1
PD 93054	428	22.0	1.59	89	46.73	4.22	2.9
152 B	399	20.5	1.56	91	49.07	4.74	3.1
AR 870622	421	20.5	1.55	91	46.34	4.25	3.0
ACALA MAXXA	497	28.8	1.74	84	43.83	3.40	2.4

BOSSIER CITY, LA

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
89 E-51	936	A	6.15	36.1	13.8	149	1.17	0.58	215	7.5	4.60
Arkot 8712	923	B A	5.85	37.2	11.3	139	1.18	0.60	219	8.3	4.95
STV LA 887	879	B A C	6.35	38.9	11.6	140	1.14	0.58	215	8.5	4.85
SG 125	849	DB A C	5.45	38.6	10.7	122	1.12	0.57	191	9.6	4.90
AR 870622	826	DB A C	6.55	36.4	12.0	140	1.18	0.60	207	8.4	4.85
GA 90-41	796	DBEA C	6.05	36.9	12.0	144	1.12	0.59	238	6.1	4.95
DPX 1111	784	DBEA C	5.40	40.8	10.0	138	1.11	0.58	223	5.6	5.15
DPX 93-05	778	DBEA C	5.45	36.9	10.7	143	1.11	0.59	220	6.6	5.20
AZ 93-180	761	DBEF C	4.80	38.4	10.2	144	1.20	0.60	224	6.6	4.75
AZ 93-248	750	D EF C	5.20	36.5	9.7	127	1.13	0.58	203	7.4	4.90
152 B	750	D EF C	4.65	37.9	9.6	126	1.09	0.56	203	8.6	5.20
SS 9303	747	D EF C	5.60	35.4	10.9	124	1.13	0.56	209	7.6	4.95
SS 9506	735	D EF C	5.30	39.5	9.8	136	1.16	0.58	230	7.0	5.15
SS 9501	728	D EF C	4.75	38.3	10.2	128	1.16	0.59	212	8.9	4.95
B 7413	683	D EF	4.90	37.3	10.4	129	1.12	0.59	211	8.5	4.85
PD 93054	654	EF	5.85	35.8	11.6	145	1.17	0.58	219	7.1	4.85
AZ 93-259	611	F	5.10	36.4	9.6	142	1.17	0.60	229	6.0	4.60
GA 91-143	609	F	5.60	38.5	11.6	141	1.15	0.60	227	5.6	5.00
ACALA MAXXA	245	G	5.15	38.1	11.6	144	1.12	0.59	222	7.6	4.05

BOSSIER CITY, LA

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
89 E-51	1.17	84.6	31.4	9.7	76.8	7.6	4.65	1550	25.18	3.42	1.27
Arkot 8712	1.16	85.0	30.3	10.0	73.5	7.6	4.95	1562	21.92	3.32	0.90
STV LA 887	1.12	83.6	32.1	10.0	73.6	8.2	4.90	1341	21.60	3.23	1.13
SG 125	1.10	83.3	26.1	10.0	73.2	8.4	5.00	1363	20.77	3.38	0.86
AR 870622	1.19	86.5	31.3	10.0	77.8	7.4	4.80	1515	22.51	3.41	0.76
GA 90-41	1.12	84.2	34.0	9.7	74.3	8.0	4.90	1306	22.08	3.24	0.87
DPX 1111	1.14	83.8	32.2	9.8	74.5	7.6	5.15	1047	19.00	3.37	0.82
DPX 93-05	1.08	84.3	33.3	10.0	74.4	8.9	5.35	1382	20.63	3.31	1.05
AZ 93-180	1.20	85.6	30.8	10.0	74.8	7.9	4.85	1068	20.83	3.51	0.90
AZ 93-248	1.16	84.8	28.6	10.0	76.3	8.0	5.10	1205	21.13	3.19	0.87
152 B	1.08	83.2	28.9	10.0	75.1	8.8	5.10	1104	21.67	3.20	1.02
SS 9303	1.11	83.5	28.7	9.8	74.3	8.0	5.00	1220	21.56	3.30	0.93
SS 9506	1.12	84.1	31.5	9.8	73.8	8.2	5.15	1002	22.08	3.37	0.95
SS 9501	1.16	85.2	29.2	10.0	71.1	7.9	4.95	1109	21.45	3.41	1.13
B 7413	1.12	85.0	28.3	10.0	70.5	8.1	4.95	1131	20.90	3.38	1.08
PD 93054	1.13	83.3	32.3	10.0	73.3	8.3	4.85	1156	22.06	3.64	0.84
AZ 93-259	1.14	84.0	33.4	9.7	73.4	8.2	4.65	890	22.14	3.18	0.90
GA 91-143	1.13	84.8	35.1	9.8	72.0	9.0	5.00	938	22.48	3.43	1.02
ACALA MAXXA	1.13	84.6	30.8	9.4	74.8	8.6	4.00	360	20.79	3.80	0.65

BOSSIER CITY, LA

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
89 E-51	445	28.3	1.72	84	48.67	4.23	2.7
Arkot 8712	420	23.5	1.63	88	48.60	4.47	3.0

1996 National Cotton Variety Test

STV LA 887	415	26.3	1.68	86	50.93	4.74	3.0
SG 125	413	26.3	1.69	86	51.23	4.79	3.0
AR 870622	422	27.5	1.71	85	50.88	4.66	2.9
GA 90-41	411	21.5	1.59	90	48.38	4.55	3.0
DPX 1111	396	18.0	1.50	93	47.53	4.63	3.2
DPX 93-05	395	26.5	1.69	86	53.70	5.25	3.1
AZ 93-180	429	32.5	1.81	81	53.06	4.78	2.8
AZ 93-248	414	23.8	1.64	88	49.59	4.63	3.0
152 B	408	26.8	1.70	85	52.25	4.95	3.0
SS 9303	430	33.3	1.83	81	53.35	4.79	2.8
SS 9506	403	22.8	1.60	89	49.68	4.75	3.1
SS 9501	417	28.5	1.73	84	52.02	4.83	2.9
B 7413	411	26.5	1.69	86	51.69	4.86	3.0
PD 93054	416	22.5	1.61	89	48.55	4.52	3.0
AZ 93-259	431	27.3	1.71	85	49.60	4.44	2.8
GA 91-143	409	22.0	1.59	89	49.00	4.63	3.0
ACALA MAXXA	491	41.5	1.98	75	50.68	4.00	2.4

STONEVILLE, MS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer			
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
89 E-51	1212	A	5.43	39.0	11.8	137	1.18	0.58	225	6.6	4.35
SG 125	1174	B A	4.99	40.3	10.1	113	1.13	0.55	188	8.4	4.80
Arkot 8712	1126	B A C	5.42	39.0	10.1	139	1.17	0.57	214	8.4	4.65
DPX 93-05	1093	B D C	5.50	39.3	10.2	129	1.11	0.58	211	7.3	5.05
AR 870622	1085	EB D C	5.64	36.7	10.7	136	1.20	0.61	215	7.6	4.30
DPX 1111	1085	EB D C	4.85	42.6	9.3	140	1.12	0.56	218	5.9	4.80
STV LA 887	1066	E D C	5.80	40.5	10.6	135	1.15	0.57	212	8.5	4.35
152 B	1058	E D C	4.19	38.8	8.4	129	1.09	0.55	210	9.3	4.60
AZ 93-180	1042	E D C	4.36	41.8	9.2	136	1.17	0.57	218	7.3	4.45
B 7413	1034	E D C	4.42	38.8	9.9	127	1.16	0.59	204	9.0	4.55
SS 9506	1028	E D C	4.80	38.5	9.6	133	1.11	0.57	218	7.4	4.50
AZ 93-259	1028	E D C	5.15	36.7	9.4	140	1.14	0.58	220	6.6	4.20
GA 91-143	1025	E D C	5.13	38.9	10.9	139	1.14	0.57	228	7.4	4.20
AZ 93-248	1011	E D	5.15	36.6	9.5	121	1.17	0.58	189	8.0	4.85
SS 9303	1006	E D	4.82	37.4	9.9	119	1.15	0.57	202	7.8	4.35

SS 9501	992	E	D	4.43	39.7	9.5	127	1.15	0.58	207	8.4	4.50
GA 90-41	989	E	D	5.23	38.0	10.8	145	1.13	0.59	226	6.8	4.45
PD 93054	982	E		5.27	36.5	10.7	133	1.15	0.58	223	6.6	4.20
ACALA MAXXA	735		F	5.52	39.5	11.6	145	1.14	0.56	228	7.0	4.15

STONEVILLE, MS

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
89 E-51	1.15	84.8	29.3	10.0	78.3	7.2	4.35	1887	24.88	3.26	1.13
SG 125	1.09	82.7	24.9	10.0	75.5	8.3	5.00	1746	20.84	3.34	0.89
Arkot 8712	1.14	84.2	29.0	10.0	74.5	7.9	4.90	1749	22.70	3.13	0.63
DPX 93-05	1.06	82.6	31.5	10.0	74.7	8.5	5.05	1678	22.22	3.20	1.05
AR 870622	1.18	85.5	30.5	10.0	79.5	7.2	4.30	1766	21.92	3.34	0.63
DPX 1111	1.08	82.6	32.2	9.8	76.6	7.6	4.85	1476	19.59	3.42	0.77
STV LA 887	1.12	82.8	28.8	10.0	75.0	8.3	4.35	1595	22.21	3.22	1.10
152 B	1.03	82.7	30.5	10.0	76.1	8.4	4.70	1580	21.69	3.13	0.81
AZ 93-180	1.17	84.8	29.0	9.9	77.5	7.8	4.65	1471	22.58	3.20	0.75
B 7413	1.11	84.2	28.2	10.0	74.5	8.4	4.65	1579	21.61	3.26	0.96
SS 9506	1.10	82.8	30.0	9.9	77.4	8.2	4.40	1751	22.93	3.19	0.89
AZ 93-259	1.14	83.4	31.4	10.0	76.5	8.6	4.15	1805	22.63	3.16	0.79
GA 91-143	1.13	82.8	32.6	9.9	73.8	8.3	4.30	1669	22.88	3.36	1.04
AZ 93-248	1.13	83.3	27.7	9.9	76.1	8.3	4.90	1798	22.06	3.07	0.73
SS 9303	1.15	83.2	26.0	9.3	77.4	7.9	4.30	1690	22.27	3.16	0.87
SS 9501	1.13	83.2	27.7	10.0	75.8	8.3	4.60	1613	22.58	3.18	0.93
GA 90-41	1.11	84.4	31.2	9.8	77.5	7.9	4.50	1644	22.38	3.31	0.76
PD 93054	1.11	82.2	29.7	9.7	75.2	8.1	4.35	1733	23.98	3.13	0.95
ACALA MAXXA	1.09	82.8	30.6	9.5	75.8	8.0	3.90	1242	21.89	3.92	0.74

STONEVILLE, MS

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
89 E-51	443	29.0	1.74	84	49.44	4.32	2.7
SG 125	407	28.5	1.73	84	53.51	5.08	3.0
Arkot 8712	414	20.8	1.57	90	47.56	4.44	3.0
DPX 93-05	402	20.5	1.56	91	48.82	4.70	3.1
AR 870622	444	30.3	1.77	83	49.97	4.35	2.7
DPX 1111	414	22.0	1.60	89	48.44	4.53	3.0
STV LA 887	441	26.5	1.69	86	48.13	4.21	2.8
152 B	430	29.0	1.74	84	50.93	4.58	2.8
AZ 93-180	443	29.8	1.76	83	49.77	4.34	2.7
B 7413	425	27.5	1.70	85	50.33	4.57	2.9
SS 9506	444	27.0	1.70	85	48.14	4.19	2.8
AZ 93-259	456	24.0	1.63	88	44.84	3.80	2.7
GA 91-143	459	31.5	1.78	82	48.77	4.10	2.6
AZ 93-248	411	21.3	1.58	90	48.14	4.52	3.0
SS 9303	442	25.3	1.66	87	47.18	4.12	2.8
SS 9501	444	31.5	1.79	82	50.61	4.40	2.7
GA 90-41	433	23.8	1.63	88	47.34	4.23	2.9
PD 93054	456	32.5	1.81	81	49.88	4.23	2.6
ACALA MAXXA	463	29.5	1.75	83	47.49	3.96	2.6

TIFTON, GA

VARIETY	SEED					
	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YIELD (lb/acre)
AZ 93-180	1247	A	4.94	42.8	9.8	1540
DPX 1111	1215	B A	5.11	44.4	10.2	1597
SG 125	1186	B A C	5.14	42.8	10.8	1512
SS 9506	1173	B A C	5.42	41.8	10.3	1747
STV LA 887	1158	B A C	6.13	42.8	11.7	1587
DPX 93-05	1148	B A C	5.50	40.0	11.3	1674
Arkot 8712	1136	B A C	5.64	41.1	11.1	1453

152 B	1136	B A C	4.42	41.5	9.2	1517
PD 93054	1109	DB A C	5.49	40.2	11.4	1715
GA 91-143	1105	DB A C	6.07	42.0	11.8	1560
AZ 93-259	1104	DB A C	4.97	40.0	10.3	1638
AZ 93-248	1099	DB A C	5.48	40.3	10.4	1623
SS 9501	1094	DB A C	4.84	42.6	10.5	1325
B 7413	1049	DB C	4.88	41.8	10.6	1482
AR 870622	1040	DB C	6.11	38.0	11.5	1671
GA 90-41	1030	D C	5.93	40.0	11.9	1483
SS 9303	1005	D C	5.29	40.6	10.2	1425
89 E-51	951	D	5.52	39.9	12.8	1440
ACALA MAXXA	663	E	5.82	42.2	12.7	790

FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer			
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
DPX 93-05	996	A	5.50	41.4	11.0	126	1.13	0.57	207	7.6	4.80
SS 9506	928	B A	4.75	42.4	8.8	130	1.15	0.56	210	7.5	4.10
SG 125	912	B A C	5.30	42.7	10.1	113	1.16	0.58	188	10	4.45
152 B	868	DB A C	4.50	42.7	8.6	123	1.12	0.56	213	10	4.50
Arkot 8712	830	DBEA C	5.70	40.7	10.4	133	1.17	0.58	200	8.9	4.30
AZ 93-259	827	DBEA C	5.30	40.7	8.8	141	1.17	0.58	219	7.9	4.45
B 7413	798	DBEA C	5.00	42.5	10.0	119	1.15	0.58	192	8.6	4.50
ACALA MAXXA	783	DBEA C	5.50	43.3	11.1	150	1.16	0.57	221	6.9	4.05
PD 93054	783	DBEA C	5.65	40.0	10.5	135	1.21	0.59	203	7.3	4.10
STV LA 887	774	DBE C	6.20	43.5	11.2	134	1.16	0.57	212	9.3	4.35
AZ 93-180	751	DBE C	4.35	43.1	9.2	126	1.20	0.59	205	8.3	4.30
SS 9303	751	DBE C	5.90	40.7	10.0	120	1.13	0.56	196	7.3	4.30
GA 90-41	737	DBE C	5.50	41.2	10.7	141	1.17	0.59	213	6.3	4.10
DPX 1111	716	DBE C	5.25	44.8	9.2	129	1.15	0.56	203	6.1	4.55
89 E-51	693	D E C	5.85	39.9	13.0	138	1.19	0.60	215	8.3	4.15
SS 9501	686	D E C	4.95	43.3	9.3	120	1.15	0.58	195	8.6	4.65
AR 870622	673	D E	5.85	38.6	10.5	134	1.16	0.57	209	9.4	4.25
AZ 93-248	635	E	5.35	41.9	9.2	125	1.19	0.59	193	9.4	4.40
GA 91-143	622	E	5.20	42.2	10.8	134	1.20	0.59	219	6.3	4.40

FLORENCE, SC

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
DPX 93-05	1.14	85.4	28.6	10.0	72.8	7.2	4.95	1564	19.80	3.79	0.93
SS 9506	1.16	84.1	29.8	10.0	77.1	7.1	3.95	1704	21.11	3.47	0.81
SG 125	1.17	84.2	24.3	10.0	74.0	7.2	4.30	1643	19.86	4.00	0.53
152 B	1.12	84.1	27.8	10.0	76.0	7.2	4.45	1502	19.60	3.84	0.76
Arkot 8712	1.19	85.3	27.8	10.0	76.0	6.4	4.35	1374	20.60	3.62	0.75
AZ 93-259	1.18	84.3	30.7	10.0	75.9	8.2	4.20	1964	21.09	3.60	0.93
B 7413	1.14	84.6	26.5	10.5	73.6	7.6	4.60	1752	21.23	3.87	0.57
ACALA MAXXA	1.14	83.8	31.5	9.9	75.9	7.8	4.00	854	21.85	4.06	0.80
PD 93054	1.21	85.5	29.3	9.8	74.9	7.3	4.05	1798	21.58	3.88	0.82
STV LA 887	1.17	85.0	29.6	10.0	76.6	7.8	4.40	1422	19.56	3.91	0.89
AZ 93-180	1.20	84.5	28.5	10.0	77.8	7.1	4.40	1815	20.95	3.70	0.75
SS 9303	1.13	82.9	26.1	9.4	76.7	6.4	4.35	1509	21.51	3.69	0.89
GA 90-41	1.16	85.7	29.7	9.8	76.2	6.7	4.00	1718	21.51	3.86	0.68
DPX 1111	1.14	83.8	29.0	10.0	75.9	7.2	4.70	1594	17.88	4.01	0.74
89 E-51	1.17	84.9	29.5	10.0	76.3	6.5	4.10	1376	23.56	3.88	0.72
SS 9501	1.17	84.9	26.4	10.0	74.7	7.7	4.45	1912	20.81	3.71	0.83
AR 870622	1.16	84.3	28.6	10.0	78.6	6.5	4.15	1692	20.35	3.93	0.83
AZ 93-248	1.20	86.5	28.7	10.0	77.5	6.8	4.25	1695	21.36	3.69	0.78
GA 91-143	1.19	85.6	31.5	10.0	73.1	7.3	4.30	1694	21.92	3.81	0.84

FLORENCE, SC

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
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DPX 93-05	405	23.8	1.63	88	50.67	4.84	3.1
SS 9506	470	40.5	1.96	76	52.27	4.30	2.5
SG 125	446	36.8	1.89	78	53.19	4.60	2.7
152 B	433	28.5	1.73	84	50.22	4.50	2.8
Arkot 8712	459	32.5	1.80	81	49.39	4.19	2.7
AZ 93-259	450	27.5	1.71	85	47.75	4.11	2.7
B 7413	429	28.3	1.73	84	50.59	4.56	2.8
ACALA MAXXA	479	31.8	1.80	82	47.09	3.80	2.5
PD 93054	481	41.3	1.97	75	51.37	4.12	2.5
STV LA 887	442	28.5	1.73	84	49.14	4.29	2.8
AZ 93-180	437	35.0	1.86	79	53.35	4.71	2.7
SS 9303	453	30.5	1.77	83	48.92	4.17	2.7
GA 90-41	479	37.0	1.89	78	49.67	4.02	2.5
DPX 1111	430	26.5	1.68	86	48.93	4.39	2.9
89 E-51	470	30.8	1.77	83	47.46	3.92	2.6
SS 9501	425	31.5	1.79	82	53.02	4.83	2.8
AR 870622	476	35.0	1.86	79	48.96	3.98	2.5
AZ 93-248	453	37.3	1.89	78	52.27	4.45	2.6
GA 91-143	442	33.5	1.83	81	51.89	4.54	2.7

ROCKY MOUNT, NC

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	SEED YIELD (lb/acre)	
DPX 93-05	996	A	5.80	42.0	10.5	1703
SS 9506	928	B A	5.85	43.4	11.0	1351
SG 125	912	B A C	5.70	43.9	10.5	1591
152 B	868	DB A C	4.70	43.9	8.5	1514
Arkot 8712	830	DBEA C	5.70	42.2	10.5	1452
AZ 93-259	827	DBEA C	5.85	42.3	10.5	1431
B 7413	798	DBEA C	5.15	43.4	11.0	1351
ACALA MAXXA	783	DBEA C	5.70	43.2	11.0	339
PD 93054	783	DBEA C	5.70	42.1	12.0	1257
STV LA 887	774	DBE C	6.90	44.5	11.5	1378

1996 National Cotton Variety Test

AZ 93-180	751	DBE	C	4.90	44.7	9.5	1229
SS 9303	751	DBE	C	5.80	41.6	11.0	1487
GA 90-41	737	DBE	C	5.85	42.8	11.0	1436
DPX 1111	716	DBE	C	5.40	47.2	9.0	1288
89 E-51	693	D E	C	6.05	40.3	12.0	1478
SS 9501	686	D E	C	5.30	43.9	10.0	1351
AR 870622	673	D E		5.85	39.1	11.5	1398
AZ 93-248	635	E		5.80	43.2	9.0	1393
GA 91-143	622	E		5.60	44.7	11.5	1283

PORTAGEVILLE, MO

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer			
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)	
DPX 93-05	996	A	6.23	38.0	11.1	123	1.15	0.57	211	7.5	4.75
SS 9506	928	B A	5.59	38.3	11.5	128	1.17	0.58	218	6.8	4.70
SG 125	912	B A C	5.73	40.6	11.2	108	1.17	0.57	183	9.3	4.80
152 B	868	DB A C	5.24	39.9	10.2	119	1.11	0.56	218	9.0	4.75
Arkot 8712	830	DBEA C	5.92	37.8	12.5	120	1.17	0.59	208	8.9	4.80
AZ 93-259	827	DBEA C	5.53	38.2	11.5	136	1.17	0.59	229	7.8	4.40
B 7413	798	DBEA C	5.43	39.6	11.6	120	1.15	0.56	197	9.0	4.50
ACALA MAXXA	783	DBEA C	5.91	41.6	13.6	140	1.17	0.59	229	6.6	4.20
PD 93054	783	DBEA C	6.24	36.9	11.4	123	1.19	0.58	201	6.8	3.95
STV LA 887	774	DBE C	6.96	42.1	11.8	124	1.17	0.59	217	8.4	4.25
AZ 93-180	751	DBE C	5.20	39.8	10.6	126	1.19	0.58	213	7.8	4.60
SS 9303	751	DBE C	6.31	35.2	11.3	118	1.13	0.56	192	6.5	4.50
GA 90-41	737	DBE C	6.24	37.2	12.9	137	1.17	0.59	212	6.5	4.40
DPX 1111	716	DBE C	5.27	42.3	10.6	123	1.13	0.57	216	6.8	4.55
89 E-51	693	D E C	6.78	37.0	14.3	129	1.17	0.59	227	6.8	4.50
SS 9501	686	D E C	5.44	39.1	10.9	114	1.15	0.58	183	8.4	4.70
AR 870622	673	D E	6.20	35.9	12.5	126	1.17	0.59	218	9.5	4.25
AZ 93-248	635	E	5.25	38.6	10.9	117	1.17	0.58	203	8.6	4.65
GA 91-143	622	E	6.41	40.8	12.0	136	1.19	0.60	220	6.8	4.45

PORTAGEVILLE, MO

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
DPX 93-05	1.15	84.0	29.3	9.5	58.3	6.6	4.70	1515	18.37	3.74	0.72
SS 9506	1.17	84.5	32.5	10.0	59.2	7.1	4.75	1438	20.19	3.41	0.73
SG 125	1.15	84.2	26.0	10.0	59.5	7.3	4.75	1286	20.38	4.07	0.71
152 B	1.12	83.4	30.1	9.7	57.7	6.2	4.75	1329	20.07	3.72	0.76
Arkot 8712	1.22	86.3	29.0	9.9	58.7	6.7	4.75	1309	20.39	3.67	0.68
AZ 93-259	1.18	83.8	31.8	9.5	59.0	7.0	4.45	1458	21.13	3.73	0.68
B 7413	1.14	83.8	28.6	10.0	58.0	6.5	4.60	1287	19.82	3.85	0.72
ACALA MAXXA	1.15	83.4	31.2	9.1	58.8	6.7	4.35	1165	20.05	4.30	0.57
PD 93054	1.17	83.3	29.4	9.0	58.1	6.4	4.00	1276	19.47	3.82	0.67
STV LA 887	1.17	84.5	31.3	10.0	59.5	7.5	4.45	881	20.42	3.72	0.84
AZ 93-180	1.20	84.7	29.2	9.5	59.6	7.3	4.65	1038	20.48	4.05	0.71
SS 9303	1.15	83.8	28.4	9.3	58.6	6.7	4.50	1340	20.11	3.84	0.67
GA 90-41	1.18	84.4	31.1	9.3	58.7	6.8	4.40	1049	19.23	3.87	0.57
DPX 1111	1.13	83.0	30.0	9.1	59.2	7.0	4.75	925	18.39	4.14	0.56
89 E-51	1.16	84.6	31.7	9.7	60.5	7.6	4.70	1346	23.51	3.82	0.96
SS 9501	1.16	84.6	27.4	9.6	58.0	6.6	4.80	1095	19.75	3.76	0.68
AR 870622	1.18	84.9	31.5	10.0	59.6	7.0	4.35	1263	20.58	4.00	0.54
AZ 93-248	1.20	83.8	29.0	9.6	58.5	6.6	4.80	1049	20.15	3.79	0.63
GA 91-143	1.20	84.4	32.4	9.6	57.8	6.5	4.50	939	20.93	3.83	0.74

PORTAGEVILLE, MO

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 93-05	426	29.3	1.75	83	51.46	4.67	2.8
SS 9506	422	25.8	1.68	86	49.83	4.56	2.9
SG 125	424	33.3	1.83	81	54.03	4.92	2.8

1996 National Cotton Variety Test

152 B	426	24.0	1.64	88	48.30	4.38	2.9
Arkot 8712	419	22.8	1.61	89	48.31	4.45	3.0
AZ 93-259	452	25.5	1.66	87	46.27	3.96	2.7
B 7413	440	37.0	1.89	78	54.12	4.75	2.7
ACALA MAXXA	470	33.3	1.82	81	48.68	4.00	2.6
PD 93054	486	39.5	1.94	76	50.23	4.00	2.4
STV LA 887	453	33.0	1.82	81	50.43	4.29	2.6
AZ 93-180	435	32.5	1.81	81	52.21	4.63	2.8
SS 9303	448	31.0	1.78	82	49.96	4.31	2.7
GA 90-41	448	34.0	1.84	80	51.56	4.45	2.7
DPX 1111	430	29.5	1.75	83	51.19	4.61	2.8
89 E-51	434	35.5	1.87	79	53.99	4.80	2.7
SS 9501	424	32.8	1.81	81	53.74	4.90	2.8
AR 870622	454	31.8	1.80	81	49.76	4.25	2.7
AZ 93-248	436	32.3	1.80	82	51.94	4.60	2.8
GA 91-143	452	39.0	1.93	77	53.76	4.60	2.6

BELLE MINA, AL

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
AZ 93-259	1204	A	4.88	39.0	8.6	130	1.17	0.57	218	7.5	3.90
DPX 93-05	1203	A	5.28	40.3	10.6	118	1.13	0.56	214	7.3	4.50
DPX 1111	1186	A	5.33	43.2	9.5	128	1.15	0.56	207	6.5	4.45
B 7413	1180	B A	4.97	38.8	10.6	113	1.17	0.57	185	8.3	4.50
SG 125	1164	B A C	5.68	40.4	10.1	104	1.17	0.56	179	9.5	3.95
Arkot 8712	1146	DB A C	5.05	40.2	9.9	119	1.17	0.56	204	8.5	4.30
GA 91-143	1100	DBEA C	4.85	40.7	10.9	133	1.18	0.57	228	7.5	3.75
152 B	1089	DBEA C	4.03	40.2	9.0	118	1.13	0.56	212	8.9	4.20
AR 870622	1048	DBEF C	5.68	36.8	11.0	121	1.17	0.58	206	9.0	3.90
AZ 93-248	1037	D EF C	5.32	38.9	9.6	114	1.19	0.57	199	8.9	4.20
AZ 93-180	1026	D EF	5.13	40.8	9.0	128	1.18	0.57	210	8.3	3.70
GA 90-41	1016	D EF	5.53	40.2	11.0	130	1.15	0.56	217	7.0	4.00
STV LA 887	1010	D EF	6.14	41.6	10.9	119	1.14	0.54	208	8.5	3.85
SS 9501	1005	EF	4.92	41.0	10.5	110	1.15	0.57	199	8.9	4.20
89 E-51	1001	EF	5.38	37.9	11.2	124	1.17	0.57	209	7.3	4.10
SS 9506	988	EF	5.05	39.5	10.0	130	1.15	0.55	240	7.9	3.85

PD 93054	920	F	5.35	38.4	11.6	126	1.16	0.57	211	7.9	3.85
SS 9303	912	F	5.56	37.8	10.5	112	1.13	0.55	197	8.0	4.05
ACALA MAXXA	752	G	5.97	42.2	11.9	130	1.15	0.56	213	7.1	3.90

BELLE MINA, AL

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AZ 93-259	1.17	83.9	30.0	10.0	68.4	8.4	3.85	2022	20.73	3.61	0.74
DPX 93-05	1.13	83.9	27.4	10.0	70.2	8.4	4.50	1828	18.78	3.64	0.87
DPX 1111	1.15	83.7	28.0	10.0	70.4	7.9	4.35	1647	18.04	3.92	0.52
B 7413	1.17	85.1	25.6	10.5	66.6	8.1	4.50	2008	20.98	3.80	0.97
SG 125	1.16	84.3	24.2	10.0	69.3	8.5	4.00	1771	19.39	3.73	0.71
Arkot 8712	1.16	84.4	27.4	10.0	65.6	8.0	4.20	1697	20.43	3.58	0.65
GA 91-143	1.19	85.7	32.2	10.0	68.4	8.7	3.75	1748	19.70	3.72	0.59
152 B	1.12	82.9	27.8	10.0	68.3	8.6	4.25	1645	19.71	3.76	0.60
AR 870622	1.18	85.4	28.8	10.5	68.8	7.9	3.95	1754	20.55	3.94	0.48
AZ 93-248	1.19	84.7	27.2	10.0	70.5	8.2	4.05	1666	19.74	3.47	0.59
AZ 93-180	1.20	84.5	29.8	10.0	73.2	8.2	3.70	1499	20.36	3.68	0.70
GA 90-41	1.16	84.1	29.8	10.0	69.5	8.1	3.95	1646	20.61	3.65	0.73
STV LA 887	1.14	84.0	28.6	10.0	70.4	8.6	3.90	1478	18.90	3.72	0.69
SS 9501	1.16	84.5	25.3	10.0	67.6	9.3	4.25	1561	19.36	3.57	0.85
89 E-51	1.17	83.9	29.0	10.0	68.3	7.7	4.10	1700	22.36	3.69	0.79
SS 9506	1.15	83.8	31.7	10.0	69.6	8.5	3.80	1580	20.19	3.69	0.82
PD 93054	1.14	83.1	28.5	10.0	69.1	8.6	3.85	1423	20.52	3.55	0.80
SS 9303	1.14	83.2	25.8	10.0	70.1	8.6	3.85	1651	20.76	3.73	0.83
ACALA MAXXA	1.16	84.3	28.8	9.6	68.9	7.9	3.85	1127	21.35	4.24	0.59

BELLE MINA, AL

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
AZ 93-259	496	35.0	1.86	79	47.03	3.66	2.4
DPX 93-05	447	36.8	1.89	78	53.03	4.59	2.7
DPX 1111	437	30.0	1.76	83	50.55	4.46	2.8
B 7413	440	36.0	1.88	79	53.59	4.71	2.7
SG 125	472	47.3	2.07	71	55.21	4.51	2.5
Arkot 8712	459	35.0	1.86	79	50.80	4.28	2.6
GA 91-143	496	41.0	1.97	75	49.80	3.88	2.4
152 B	450	30.0	1.76	83	49.17	4.22	2.7
AR 870622	482	40.3	1.95	76	50.91	4.08	2.5
AZ 93-248	475	42.3	1.99	74	52.62	4.28	2.5
AZ 93-180	502	42.5	1.99	74	49.91	3.84	2.3
GA 90-41	474	40.5	1.96	75	51.89	4.23	2.5
STV LA 887	478	41.0	1.96	75	51.66	4.17	2.5
SS 9501	460	38.0	1.91	77	52.25	4.39	2.6
89 E-51	461	41.3	1.97	75	53.71	4.50	2.6
SS 9506	498	42.0	1.98	75	50.11	3.89	2.4
PD 93054	497	41.3	1.97	75	49.82	3.88	2.4
SS 9303	483	39.0	1.93	76	50.21	4.01	2.5
ACALA MAXXA	485	35.5	1.87	79	48.29	3.84	2.5

KEISER, AR

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
DPX 93-05	910	A	5.58	39.0	10.2	148	1.17	0.60	226	7.4	4.40
Arkot 8712	808	B A	5.32	38.4	10.8	144	1.21	0.61	224	8.0	4.05
B 7413	801	B A	4.67	38.7	9.5	141	1.19	0.59	218	8.8	3.90
89 E-51	795	B A	5.56	35.8	12.3	147	1.19	0.60	224	6.9	4.10
152 B	761	B A	4.05	39.3	8.3	146	1.18	0.59	226	8.3	3.90
SG 125	754	B A C	5.13	39.6	10.1	128	1.19	0.60	194	9.8	4.10
AR 870622	715	DB A C	6.06	39.1	11.2	145	1.21	0.60	223	7.9	4.30
SS 9501	653	DB E C	4.91	39.4	9.5	133	1.19	0.60	208	8.3	4.00

AZ 93-248	651	DB E C	4.75	37.9	9.1	135	1.23	0.61	221	9.0	4.30
AZ 93-259	630	DBFE C	4.78	36.5	10.1	151	1.23	0.61	246	7.4	3.90
SS 9506	606	DBFE C	4.73	38.8	9.5	156	1.19	0.60	242	7.4	3.90
STV LA 887	558	D FE C	5.85	39.1	10.4	151	1.19	0.59	226	8.4	3.85
SS 9303	555	D FE C	5.19	37.2	9.8	136	1.17	0.59	207	7.0	4.15
GA 90-41	537	D FE	4.18	37.5	10.8	159	1.19	0.60	239	6.5	3.85
AZ 93-180	510	FE	4.20	40.1	9.1	143	1.23	0.60	227	7.3	3.90
ACALA MAXXA	472	GFE	5.12	39.9	11.6	159	1.21	0.60	244	6.6	3.50
DPX 1111	459	GFE	4.93	42.1	9.4	146	1.19	0.59	227	6.5	4.30
GA 91-143	439	GF	4.92	38.5	10.1	157	1.19	0.60	253	6.5	3.45
PD 93054	299	G	5.04	36.4	10.5	141	1.18	0.58	217	6.6	3.50

KEISER, AR

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
DPX 93-05	1.17	85.5	31.1	10.0	72.6	8.6	4.15	1413	18.37	3.57	0.93
Arkot 8712	1.21	85.8	28.3	9.8	74.2	7.7	4.00	1185	19.66	3.57	0.78
B 7413	1.19	85.4	29.5	10.0	72.8	8.4	3.85	1343	19.20	3.52	0.92
89 E-51	1.19	85.2	29.2	9.6	75.2	7.9	4.00	1280	21.50	3.61	1.19
152 B	1.18	84.5	31.5	10.0	72.7	8.7	3.90	1020	18.87	3.53	0.85
SG 125	1.20	85.0	24.4	9.4	73.7	7.9	4.00	1419	18.00	3.82	0.76
AR 870622	1.21	85.1	31.2	10.0	76.9	7.4	4.25	972	20.25	3.83	0.66
SS 9501	1.19	85.1	27.6	9.9	75.0	8.3	4.00	799	20.28	3.65	0.91
AZ 93-248	1.24	85.6	29.2	10.0	76.3	8.2	4.35	994	18.89	3.44	0.69
AZ 93-259	1.23	85.6	32.6	10.0	74.3	8.5	3.65	806	20.36	3.64	0.71
SS 9506	1.19	85.2	30.8	9.4	77.4	8.7	3.45	895	19.59	3.46	0.90
STV LA 887	1.20	84.6	30.4	9.7	74.2	8.6	3.65	828	18.57	3.55	0.85
SS 9303	1.16	83.6	28.5	9.5	73.4	8.2	3.95	933	19.14	3.51	0.77
GA 90-41	1.21	84.9	32.1	9.8	74.3	7.9	3.85	713	19.22	3.50	0.73
AZ 93-180	1.24	85.6	31.2	9.6	73.0	8.6	3.90	672	20.25	3.53	0.84
ACALA MAXXA	1.22	87.1	31.1	9.0	74.6	7.8	3.50	595	19.07	3.92	0.45
DPX 1111	1.19	84.6	32.6	10.0	73.0	7.6	4.10	537	17.52	3.88	0.62
GA 91-143	1.21	85.2	34.7	9.8	73.6	8.5	3.45	631	19.90	3.65	0.87

PD 93054 1.20 84.9 30.6 9.4 73.3 8.1 3.45 517 19.26 3.58 0.72

KEISER, AR

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 93-05	464	39.0	1.93	76	52.34	4.37	2.6
Arkot 8712	496	36.5	1.88	79	47.61	3.72	2.4
B 7413	494	51.3	2.14	68	54.55	4.27	2.3
89 E-51	493	40.8	1.96	75	50.11	3.93	2.4
152 B	504	43.5	2.01	73	50.04	3.83	2.3
SG 125	488	44.0	2.02	73	52.04	4.12	2.4
AR 870622	463	35.0	1.86	80	50.42	4.21	2.6
SS 9501	488	41.0	1.97	75	50.59	4.00	2.4
AZ 93-248	488	38.5	1.92	77	49.44	3.92	2.4
AZ 93-259	515	40.8	1.96	75	48.07	3.63	2.3
SS 9506	522	46.3	2.05	72	49.55	3.67	2.2
STV LA 887	508	40.3	1.95	76	48.40	3.69	2.3
SS 9303	473	40.0	1.95	76	51.75	4.23	2.5
GA 90-41	495	40.8	1.95	76	49.53	3.87	2.4
AZ 93-180	510	42.5	1.99	74	49.13	3.72	2.3
ACALA MAXXA	544	38.3	1.92	77	44.29	3.14	2.2
DPX 1111	473	36.3	1.88	79	49.86	4.08	2.5
GA 91-143	557	47.0	2.07	71	46.82	3.26	2.1
PD 93054	531	51.3	2.14	69	50.42	3.66	2.2



REGIONAL SUMMARY

1996 ARIZONA REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS COULD NOT BE STATISTICALLY EVALUATED.

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
SAFFORD, AZ	1128	A 5.14	40.7	10.3	114	1.13	0.54	201	8.6	3.64
MARICOPA, AZ	1062	A 4.58	36.8	11.3	121	1.11	0.54	221	7.1	5.00

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
SAFFORD, AZ	1.13	81.9	28.0	9.7	66.5	10	3.69	1638	18.91	3.58	0.81
MARICOPA, AZ	1.11	82.4	31.0	9.9	66.0	10	5.10	1828	19.56	4.18	0.58

Arealometer Data

LOCATION	A	D	I	M	p	w	t
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(mm²/mm³) (mm²/mm³) (%) (microns) (mg/inch) (microns)

SAFFORD, AZ	507	39.4	1.93	76	48.06	3.69	2.4
MARICOPA, AZ	417	22.3	1.60	89	48.23	4.49	3.0

1996 ARIZONA REGIONAL COTTON VARIETY TEST

SAFFORD, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
DPL 5690	1396	A	5.28	41.4	9.3	113	1.11	0.53	196	7.4	3.65
NU 33 B	1329	B A	5.00	38.4	9.9	125	1.14	0.53	198	8.1	3.45
DELTAPINE 90	1304	B A C	4.84	41.3	9.8	116	1.11	0.53	198	7.5	4.00
STV 474	1242	DB A C	4.95	43.0	9.8	103	1.12	0.53	185	9.3	3.50
SG 125	1225	DB A C	4.93	41.7	9.6	117	1.11	0.54	203	9.0	4.00
DELTAPINE 5415	1223	DB A C	4.07	40.5	8.7	115	1.15	0.54	198	9.5	3.20
DP 5409	1219	DB A C	4.68	41.0	9.4	95	1.13	0.53	189	9.1	3.50
SG 404	1216	DB A C	5.36	38.2	10.7	115	1.13	0.54	197	8.6	3.95
H 1244 HARTZ	1200	DB A C	5.18	41.3	11.2	114	1.15	0.55	200	8.4	3.85
S-1001	1189	DB A C	4.70	40.3	10.0	114	1.14	0.53	206	8.5	3.55
HS46	1182	DB A C	5.04	41.2	9.4	111	1.15	0.54	203	8.4	3.55
H 1220	1108	DBEA C	5.15	42.0	11.0	102	1.11	0.54	173	8.9	3.65
STV 495	1082	DBE C	4.95	39.3	9.7	105	1.18	0.53	192	8.6	3.10
PAYMASTER HS 26	1030	D E C	5.81	39.1	11.0	112	1.07	0.53	209	9.6	4.00
ACALA MAXXA	1024	D E C	5.58	45.1	12.5	135	1.15	0.57	224	7.4	4.00
PM 330	998	D E	5.28	39.7	11.0	111	1.07	0.53	197	9.6	3.75
PM 280	954	D E	5.28	39.9	10.6	124	1.13	0.56	205	8.5	3.80
SUREGROW 501	896	E	4.48	41.2	8.8	111	1.13	0.55	200	9.3	3.30
STV LA 887	895	E	6.00	41.1	10.6	106	1.16	0.54	199	9.3	3.20
ACALA PREMA	863	E	6.23	39.3	12.6	147	1.15	0.57	245	7.4	3.70

SAFFORD, AZ

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
DPL 5690	1.12	81.7	27.9	9.2	66.7	11	3.85	1936	18.89	3.59	0.79
NU 33 B	1.17	82.2	29.5	9.7	67.7	11	3.45	2129	19.51	3.55	0.88
DELTAPINE 90	1.11	81.7	29.3	9.9	66.6	11	4.10	1839	20.35	3.58	0.89
STV 474	1.11	81.5	25.0	9.5	66.9	11	3.50	1650	18.27	3.76	0.92
SG 125	1.13	82.4	26.9	9.7	65.8	10	4.10	1699	18.07	3.55	0.62
DELTAPINE 5415	1.17	81.8	27.2	9.9	67.1	11	3.25	1806	16.73	3.39	0.82
DP 5409	1.12	80.0	25.6	10.0	67.6	11	3.50	1724	19.74	3.70	0.89
SG 404	1.13	82.3	28.2	9.9	66.7	11	3.65	1965	18.16	3.46	0.78
H 1244 HARTZ	1.15	81.6	28.7	9.7	67.1	11	3.80	1695	18.17	3.45	0.83
S-1001	1.15	81.3	28.6	9.6	65.9	10	3.60	1751	19.43	3.52	0.88
HS46	1.14	81.1	27.6	9.5	65.5	10	3.65	1683	19.48	3.58	0.85
H 1220	1.09	81.4	24.9	10.0	67.1	11	3.80	1519	19.11	3.67	1.02
STV 495	1.18	81.5	25.7	9.4	67.4	11	3.25	1689	17.27	3.66	0.71
PAYMASTER HS 26	1.08	82.7	28.4	10.0	66.1	10	4.05	1607	20.72	3.45	0.86
ACALA MAXXA	1.14	82.6	30.8	9.0	66.3	10	4.00	1231	20.57	3.91	0.65
PM 330	1.06	81.9	28.4	10.0	66.5	11	3.80	1515	17.88	3.49	0.79
PM 280	1.14	82.7	29.0	10.0	66.3	10	3.90	1434	21.13	3.51	0.99
SUREGROW 501	1.14	81.8	28.1	10.0	66.1	10	3.40	1273	17.06	3.69	0.92
STV LA 887	1.13	80.8	27.9	10.0	65.5	10	3.40	1283	18.08	3.59	0.57
ACALA PREMA	1.19	84.6	32.5	10.0	65.1	10	3.80	1335	19.60	3.53	0.51

SAFFORD, AZ

Arealometer Data

VARIETY	A (mm ² /mm ³)	D (mm ² /mm ³)	I (%)	M (%)	p (microns)	w (mg/inch)	t (microns)
DPL 5690
NU 33 B

DELTAPINE 90	.	.	.	.	.	.	.	.
STV 474	.	.	.	.	.	.	.	.
SG 125	486	37.8	1.91	78	49.45	3.94	2.4	
DELTAPINE 5415	.	.	.	.	.	.	.	.
DP 5409	.	.	.	.	.	.	.	.
SG 404	.	.	.	.	.	.	.	.
H 1244 HARTZ	.	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.	.
H 1220	.	.	.	.	.	.	.	.
STV 495	.	.	.	.	.	.	.	.
PAYMASTER HS 26	488	42.0	1.99	74	51.14	4.05	2.4	
ACALA MAXXA	493	33.0	1.82	81	46.33	3.63	2.4	
PM 330	.	.	.	.	.	.	.	.
PM 280	.	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.	.
STV LA 887	562	44.8	2.03	73	45.34	3.14	2.1	
ACALA PREMA	.	.	.	.	.	.	.	.

MARICOPA, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
NU 33 B	1465	A	4.59	36.6	113	1.10	0.53	217	6.6	5.25
DP 5409	1347	B A	4.21	38.0	108	1.10	0.53	203	6.9	5.25
DELTAPINE 5415	1344	B A	4.20	38.3	119	1.12	0.55	218	7.9	5.40
OA 36	1294	B C	4.64	35.3	122	1.14	0.56	250	7.3	4.90
SG 125	1280	B C	4.35	38.5	101	1.11	0.54	187	8.0	5.25
HS 44	1261	B C D	4.52	35.7	118	1.11	0.53	225	6.5	5.45
DELTAPINE 50	1260	B C D	4.88	33.9	103	1.11	0.53	185	7.1	5.10
SUREGROW 501	1159	E C D	4.06	37.3	127	1.11	0.56	235	6.8	5.10
HS46	1144	E C D	4.44	36.4	124	1.14	0.55	236	6.5	4.95
DELTAPINE 90	1094	E D	4.27	36.3	124	1.10	0.53	203	6.5	5.15
STV 474	1090	E	4.28	39.0	111	1.10	0.54	219	6.4	5.25
STV LA 887	1033	E F	5.19	37.4	127	1.11	0.55	235	7.0	4.90
H 1244 HARTZ	885	G F	4.88	37.1	105	1.10	0.54	194	7.8	5.00

ACALA MAXXA	883	G F	4.66	39.3	12.7	142	1.12	0.54	244	6.6	4.30
H 1220	867	G	4.72	36.7	13.2	130	1.11	0.56	229	7.8	4.45
PAYMASTER HS 26	824	G	5.04	34.4	11.8	109	1.07	0.54	224	7.8	4.90
H 1215 Hartz	781	G	4.70	36.8	12.8	114	1.11	0.55	197	6.8	5.05
ACALA PREMA	750	G	5.37	34.6	13.2	137	1.10	0.55	252	7.1	4.95
ACALA ROYALE	744	G	4.62	39.0	12.4	159	1.15	0.57	252	7.1	4.20
OA 60	730	G	4.09	35.3	11.0	133	1.12	0.56	219	7.1	5.10

MARICOPA, AZ

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)	
NU 33 B	1.12	82.6	29.9	10.0	67.5	11	5.35	2543	19.53	3.90	0.62
DP 5409	1.10	81.6	30.6	10.0	67.0	11	5.40	2197	19.54	4.16	0.55
DELTAPINE 5415	1.14	82.0	31.6	10.0	67.3	11	5.35	2170	17.21	3.99	0.54
OA 36	1.14	82.6	32.6	10.0	66.4	10	5.00	2375	19.92	4.18	0.36
SG 125	1.11	81.9	27.2	9.9	66.0	10	5.30	2050	19.17	4.17	0.53
HS 44	1.12	81.2	30.8	9.9	66.3	11	5.55	2267	19.85	3.88	0.67
DELTAPINE 50	1.11	82.1	27.2	9.6	66.9	10	5.35	2458	21.22	3.98	0.67
SUREGROW 501	1.12	82.9	32.3	10.0	66.1	10	5.15	1951	19.06	4.39	0.65
HS46	1.13	82.5	32.2	9.8	66.0	10	5.20	1998	19.49	4.09	0.60
DELTAPINE 90	1.10	81.9	31.9	9.8	65.9	10	5.45	1925	20.16	4.04	0.64
STV 474	1.11	82.7	30.9	9.9	64.8	10	5.25	1708	19.76	4.41	0.64
STV LA 887	1.12	82.3	31.5	9.9	65.2	10	4.85	1729	20.27	4.17	0.63
H 1244 HARTZ	1.09	82.3	28.1	9.9	66.0	10	5.10	1503	20.17	4.47	0.72
ACALA MAXXA	1.14	82.9	33.9	9.7	66.0	10	4.35	1361	18.74	4.32	0.50
H 1220	1.13	82.9	31.6	9.8	65.8	11	4.75	1499	19.67	4.39	0.74
PAYMASTER HS 26	1.07	81.8	31.8	10.0	65.8	10	5.05	1580	20.15	3.95	0.56
H 1215 Hartz	1.12	83.5	28.8	10.0	65.1	10	5.05	1340	19.49	4.39	0.66
ACALA PREMA	1.13	83.1	33.3	9.9	65.8	10	4.95	1419	19.25	4.10	0.43
ACALA ROYALE	1.14	82.7	33.9	9.8	65.7	10	4.30	1165	18.58	4.37	0.40
OA 60	1.11	82.5	31.0	10.0	65.2	10	5.30	1331	20.07	4.25	0.50

MARICOPA, AZ

VARIETY	Arealometer Data						
	A (mm ² /mm ³)	D (mm ² /mm ³)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
NU 33 B
DP 5409
DELTAPINE 5415
OA 36
SG 125	395	21.0	1.57	90	49.98	4.89	3.2
HS 44
DELTAPINE 50
SUREGROW 501
HS46
DELTAPINE 90
STV 474
STV LA 887	409	18.3	1.51	93	46.38	4.38	3.1
H 1244 HARTZ
ACALA MAXXA	458	23.3	1.62	88	44.47	3.75	2.7
H 1220
PAYMASTER HS 26	409	26.8	1.70	86	52.09	4.92	3.0
H 1215 Hartz
ACALA PREMA
ACALA ROYALE
OA 60



**1996 PIMA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY**

1996 PIMA REGIONAL COTTON VARIETY TEST

REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
CONQUISTADOR	1054	A	2.83	38.2	11.4	190	1.37	0.68	308	9.2	3.92
OA 304	982	A	2.69	36.7	11.6	185	1.40	0.67	317	9.6	3.65
PIMA S-7	933	B A	3.11	38.1	12.4	190	1.35	0.67	308	8.9	4.10
PIMA S-6	832	B C	2.93	39.1	12.7	179	1.35	0.68	294	9.6	3.95
ORO BLANCO	764	C	3.30	37.6	13.5	181	1.38	0.67	298	10	3.76
DPL 9911	762	C	3.05	38.7	12.8	178	1.36	0.67	297	9.6	4.00
CHANEY RANCH 252	753	C	3.23	38.0	12.8	181	1.40	0.67	307	9.9	3.69
CHANEY RANCH 253	689	C	2.28	36.1	11.7	181	1.40	0.68	305	9.2	3.72

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
CONQUISTADOR	1.34	88.3	45.7	10.7	67.0	11	3.86	1644	22.55	4.09	0.54
OA 304	1.36	89.0	42.5	10.5	66.6	11	3.72	1706	23.65	4.23	0.60
PIMA S-7	1.34	88.5	44.7	10.4	66.5	11	3.97	1354	22.36	4.14	0.47
PIMA S-6	1.32	88.0	40.5	10.6	66.1	11	4.01	1198	22.33	4.24	0.53
ORO BLANCO	1.34	88.8	43.0	11.2	66.2	11	3.81	1152	20.75	4.22	0.50
DPL 9911	1.33	87.9	40.6	10.8	66.0	11	4.00	1155	22.05	4.15	0.49
CHANEY RANCH 252	1.34	88.3	41.7	10.5	67.3	11	3.68	1138	20.33	4.17	0.46
CHANEY RANCH 253	1.35	88.7	43.9	10.3	67.6	11	3.73	1233	22.50	4.04	0.53

BOLL SIZE, GRAM PER BOLL

Variety	Grams per boll	Grade
ORO BLANCO	3.30	A
CHANEY RANCH 252	3.23	A
PIMA S-7	3.11	B A
DPL 9911	3.05	B A C
PIMA S-6	2.93	B D C
CONQUISTADOR	2.83	D C
OA 304	2.69	D
CHANEY RANCH 253	2.28	E

LINT PERCENT

Variety	Lint percent	Grade
PIMA S-6	39.1	A
DPL 9911	38.7	B A
CONQUISTADOR	38.2	B A
PIMA S-7	38.1	B A
CHANEY RANCH 252	38.0	B A
ORO BLANCO	37.6	B C
OA 304	36.7	D C
CHANEY RANCH 253	36.1	D

SEED INDEX

Variety	Seed index	Grade
ORO BLANCO	13.5	A
DPL 9911	12.8	B A
CHANEY RANCH 252	12.8	B A
PIMA S-6	12.7	B A
PIMA S-7	12.4	B C
CHANEY RANCH 253	11.7	D C
OA 304	11.6	D C
CONQUISTADOR	11.4	D

YARN TENACITY

Variety	Tenacity	Grade
PIMA S-7	190	A
CONQUISTADOR	190	A
OA 304	185	B A
CHANEY RANCH 253	181	B
ORO BLANCO	181	B
CHANEY RANCH 252	181	B
PIMA S-6	179	B
DPL 9911	178	B

FIBROGRAPH--2.5% S. L.

Variety	Fibrograph	Grade
OA 304	1.40	A
CHANEY RANCH 252	1.40	A
CHANEY RANCH 253	1.40	A
ORO BLANCO	1.38	B A
CONQUISTADOR	1.37	B A
DPL 9911	1.36	B
PIMA S-6	1.35	B
PIMA S-7	1.35	B

FIBROGRAPH--50% S. L.

Variety	Fibrograph	Grade
PIMA S-6	0.68	A
CONQUISTADOR	0.68	A
CHANEY RANCH 253	0.68	A
PIMA S-7	0.67	A
ORO BLANCO	0.67	A
OA 304	0.67	A
CHANEY RANCH 252	0.67	A
DPL 9911	0.67	A

STELOMETER - T1

Variety	Stelometer	Grade
OA 304	317	A
PIMA S-7	308	B A
CONQUISTADOR	308	B A
CHANEY RANCH 252	307	B A
CHANEY RANCH 253	305	B A C
ORO BLANCO	298	B C
DPL 9911	297	B C
PIMA S-6	294	C

STELOMETER - E1

Variety	Stelometer	Grade
ORO BLANCO	10	A
CHANEY RANCH 252	9.9	A
OA 304	9.6	B A
DPL 9911	9.6	B A
PIMA S-6	9.6	B A
CONQUISTADOR	9.2	B C
CHANEY RANCH 253	9.2	B C
PIMA S-7	8.9	C

MICRONAIRE

Variety	Micronaire	Grade
PIMA S-7	4.10	A
DPL 9911	4.00	B A
PIMA S-6	3.95	B A C
CONQUISTADOR	3.92	B A C
ORO BLANCO	3.76	B C
CHANEY RANCH 253	3.72	B C
CHANEY RANCH 252	3.69	B C
OA 304	3.65	C

2.5% S.L. (INCHES)			UR (PERCENT)			STRENGTH (G/TEX)		
OA 304	1.36	A	OA 304	89.0	A	CONQUISTADOR	45.7	A
CHANEY RANCH 253	1.35	B A	ORO BLANCO	88.8	B A	PIMA S-7	44.7	B A
ORO BLANCO	1.34	B A C	CHANEY RANCH 253	88.7	B A C	CHANEY RANCH 253	43.9	B C
CONQUISTADOR	1.34	B D C	PIMA S-7	88.5	B A C	ORO BLANCO	43.0	D C
PIMA S-7	1.34	D C	CHANEY RANCH 252	88.3	B A C	OA 304	42.5	D
CHANEY RANCH 252	1.34	D C	CONQUISTADOR	88.3	B A C	CHANEY RANCH 252	41.7	D E
DPL 9911	1.33	E D	PIMA S-6	88.0	B C	DPL 9911	40.6	E
PIMA S-6	1.32	E	DPL 9911	87.9	C	PIMA S-6	40.5	E

E			COLORIMETER - Rd			COLORIMETER - b		
ORO BLANCO	11.2	A	CHANEY RANCH 253	67.6	A	PIMA S-6	11	A
DPL 9911	10.8	B A	CHANEY RANCH 252	67.3	B A	DPL 9911	11	A
CONQUISTADOR	10.7	B	CONQUISTADOR	67.0	B A C	ORO BLANCO	11	B A
PIMA S-6	10.6	B	OA 304	66.6	B A C	CHANEY RANCH 252	11	B A
OA 304	10.5	B	PIMA S-7	66.5	B A C	PIMA S-7	11	B
CHANEY RANCH 252	10.5	B	ORO BLANCO	66.2	B C	CONQUISTADOR	11	B
PIMA S-7	10.4	B	PIMA S-6	66.1	B C	CHANEY RANCH 253	11	B
CHANEY RANCH 253	10.3	B	DPL 9911	66.0	C	OA 304	11	B

MICRONAIRE (SL-HVI)			OIL (PERCENT)			NITROGEN (PERCENT)		
PIMA S-6	4.01	A	OA 304	23.65	A	PIMA S-6	4.24	A
DPL 9911	4.00	A	CONQUISTADOR	22.55	B A	OA 304	4.23	A
PIMA S-7	3.97	B A	CHANEY RANCH 253	22.50	B A	ORO BLANCO	4.22	A
CONQUISTADOR	3.86	B A C	PIMA S-7	22.36	B A	CHANEY RANCH 252	4.17	A
ORO BLANCO	3.81	B A C	PIMA S-6	22.33	B A	DPL 9911	4.15	A
CHANEY RANCH 253	3.73	B C	DPL 9911	22.05	B A	PIMA S-7	4.14	A
OA 304	3.72	C	ORO BLANCO	20.75	B	CONQUISTADOR	4.09	A
CHANEY RANCH 252	3.68	C	CHANEY RANCH 252	20.33	B	CHANEY RANCH 253	4.04	A

FREE GOSSYPOL (PERCENT)

SEED YIELD (LB/ACRE)

FREE GOSSYPOL (PERCENT)			SEED YIELD (LB/ACRE)		
OA 304	0.60	A	OA 304	1705	A
CONQUISTADOR	0.54	B A	CONQUISTADOR	1643	A
PIMA S-6	0.53	B A	PIMA S-7	1354	B
CHANEY RANCH 253	0.53	B A	CHANEY RANCH 253	1232	B
ORO BLANCO	0.50	B A	PIMA S-6	1198	B
DPL 9911	0.49	B A	DPL 9911	1154	B
PIMA S-7	0.47	B A	ORO BLANCO	1152	B
CHANEY RANCH 252	0.46	B	CHANEY RANCH 252	1138	B

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
W SIDE FIELD STATION, CA	1102	A	3.69	37.0	14.2	192	1.37	0.68	316	9.3	3.98
SAFFORD, AZ	957	B	2.85	39.5	11.3	174	1.37	0.65	302	9.4	3.54
SHAFTER, CA	829	C	3.19	37.7	13.6	189	1.32	0.68	309	9.5	4.31
MARICOPA, AZ	685	D	2.46	35.4	11.9	177	1.37	0.68	315	9.4	3.99
LAS CRUCES, NM	547	E	.	39.9	12.0	186	1.42	0.68	280	9.9	3.65

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

----- Seed Data -----

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE	
										GOSSYPOL (%)	
W SIDE FIELD STATION, CA	1.35	88.6	46.2	11.0	65.5	11	3.98	1708	.	.	.
SAFFORD, AZ	1.33	87.3	41.5	10.5	65.7	11	3.62	1468	21.84	4.01	0.56
SHAFTER, CA	1.31	88.0	45.1	11.3	67.4	11	4.27	1400	.	.	.
MARICOPA, AZ	1.32	88.0	41.7	10.4	66.0	11	3.94	1255	22.29	4.31	0.47

LAS CRUCES, NM 1.37 90.0 40.8 10.3 68.3 11 3.63 824 . . .

SUBREGIONAL SUMMARY COMBINING SHAFTER, CA W SIDE FIELD STATION, CA

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
OA 304	982	A	2.69	36.7	11.6	185	1.40	0.67	317	9.6	3.65
CONQUISTADOR	911	B A	2.44	39.5	10.6	187	1.39	0.68	303	9.3	3.72
PIMA S-7	771	B A C	2.75	38.8	11.4	187	1.36	0.67	300	9.2	3.90
CHANEY RANCH 253	689	B C	2.28	36.1	11.7	181	1.40	0.68	305	9.2	3.72
DPL 9911	676	B C	2.72	39.3	11.9	170	1.37	0.68	288	9.7	3.85
PIMA S-6	665	C	2.69	39.3	12.2	177	1.37	0.68	290	9.7	3.87
ORO BLANCO	591	C	2.85	37.9	12.5	175	1.41	0.66	292	10	3.58
CHANEY RANCH 252	554	C	2.82	38.6	11.9	172	1.40	0.66	297	10	3.55

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
OA 304	1.36	89.0	42.5	10.5	66.6	11	3.72	1706	23.65	4.23	0.60
CONQUISTADOR	1.35	88.6	44.3	10.3	67.0	11	3.68	1422	22.55	4.09	0.54
PIMA S-7	1.34	88.4	42.2	10.0	67.3	11	3.83	1217	22.36	4.14	0.47
CHANEY RANCH 253	1.35	88.7	43.9	10.3	67.6	11	3.73	1233	22.50	4.04	0.53
DPL 9911	1.33	87.7	38.5	10.5	65.6	11	3.93	1029	22.05	4.15	0.49
PIMA S-6	1.32	88.1	38.7	10.3	66.3	12	3.85	1031	22.33	4.24	0.53
ORO BLANCO	1.35	88.9	41.3	11.0	65.8	11	3.62	954	20.75	4.22	0.50
CHANEY RANCH 252	1.34	88.2	39.6	10.2	67.1	11	3.47	867	20.33	4.17	0.46

SUBREGIONAL SUMMARY COMBINING LAS CRUCES, NM MARICOPA, AZ SAFFORD, AZ

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
CONQUISTADOR	1161	A	3.23	36.2	12.7	195	1.35	0.67	316	9.2	4.23
PIMA S-7	1054	B A	3.46	37.0	13.9	194	1.34	0.67	321	8.4	4.40
PIMA S-6	958	B C	3.17	38.7	13.5	181	1.32	0.68	299	9.5	4.08
CHANEY RANCH 252	902	B C	3.65	37.1	14.2	194	1.39	0.69	322	9.8	3.90
ORO BLANCO	893	B C	3.76	37.3	14.9	190	1.34	0.69	307	10	4.03
DPL 9911	827	C	3.37	37.8	14.3	190	1.35	0.67	309	9.5	4.23

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
CONQUISTADOR	1.33	87.7	48.0	11.3	67.1	11	4.13	1976	.	.	.
PIMA S-7	1.33	88.6	48.4	11.0	65.2	11	4.18	1559	.	.	.
PIMA S-6	1.32	87.8	43.1	11.0	65.8	11	4.25	1449	.	.	.
CHANEY RANCH 252	1.33	88.4	44.9	11.0	67.4	11	4.00	1545	.	.	.
ORO BLANCO	1.34	88.8	45.6	11.5	66.7	11	4.10	1450	.	.	.
DPL 9911	1.33	88.3	43.9	11.3	66.5	11	4.10	1344	.	.	.

SHAFTER, CA

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
CONQUISTADOR	980	A	2.91	36.6	12.1	191	1.33	0.68	319	9.3	4.35
PIMA S-7	882	B A	3.39	37.2	14.2	194	1.30	0.67	319	8.1	4.55
ORO BLANCO	830	B C	3.48	38.5	14.9	189	1.33	0.69	308	10	4.15
PIMA S-6	808	B C	3.02	38.9	13.1	178	1.30	0.67	289	9.4	4.30
CHANEY RANCH 252	777	B C	3.38	37.4	14.0	191	1.36	0.69	318	10	4.20
DPL 9911	699	C	2.98	37.7	13.5	189	1.31	0.68	300	9.9	4.30

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
CONQUISTADOR	1.31	87.4	46.3	11.5	68.1	11	4.30	1773	.	.	.
PIMA S-7	1.32	88.7	46.9	11.0	66.2	10	4.25	1436	.	.	.
ORO BLANCO	1.32	88.3	45.6	12.0	67.6	11	4.25	1344	.	.	.
PIMA S-6	1.31	87.8	42.7	11.0	67.0	11	4.40	1271	.	.	.
CHANEY RANCH 252	1.32	88.1	44.9	11.0	68.6	11	4.15	1394	.	.	.
DPL 9911	1.31	87.6	44.1	11.5	67.1	12	4.25	1179	.	.	.

W SIDE FIELD STATION, CA

VARIETY	LINT YIELD		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
	(lb/acre)						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
CONQUISTADOR	1342	A	3.55	35.7	13.2	199	1.37	0.67	313	9.1	4.10
PIMA S-7	1227	B A	3.53	36.9	13.5	194	1.38	0.68	323	8.8	4.25
PIMA S-6	1107	B C	3.32	38.5	13.8	183	1.35	0.69	310	9.6	3.85

CHANEY RANCH 252	1027	C	3.92	36.7	14.4	196	1.41	0.69	326	9.4	3.60
ORO BLANCO	957	C	4.05	36.0	15.0	191	1.34	0.69	306	9.8	3.90
DPL 9911	954	C	3.76	37.9	15.1	191	1.39	0.67	319	9.1	4.15

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
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CONQUISTADOR	1.35	88.1	49.7	11.0	66.0	11	3.95	2178	.	.	.
PIMA S-7	1.35	88.5	50.0	11.0	64.3	11	4.10	1683	.	.	.
PIMA S-6	1.33	87.7	43.6	11.0	64.7	11	4.10	1626	.	.	.
CHANEY RANCH 252	1.35	88.7	45.0	11.0	66.3	11	3.85	1696	.	.	.
ORO BLANCO	1.36	89.4	45.6	11.0	65.9	11	3.95	1555	.	.	.
DPL 9911	1.35	89.1	43.8	11.0	65.9	11	3.95	1508	.	.	.

LAS CRUCES, NM

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. 50% S.L. (inches) (inches)	Stelometer T1 E1 (mN/tex) (%)	MICRONAIRE (Reading)
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OA 304	688	A	.	38.6	12.3	192	1.43	0.69	292	9.8	3.55
CONQUISTADOR	615	A	.	41.5	11.5	192	1.43	0.69	291	9.8	3.60
PIMA S-7	530	A	.	39.7	11.7	193	1.42	0.67	272	9.6	3.50
PIMA S-6	529	A	.	41.3	12.6	179	1.40	0.69	275	9.9	3.70
ORO BLANCO	529	A	.	39.3	12.5	186	1.45	0.69	273	10	3.40
CHANEY RANCH 253	513	A	.	38.1	12.3	184	1.42	0.69	281	9.9	3.70
DPL 9911	491	A	.	40.9	11.3	173	1.36	0.67	263	10	4.20
CHANEY RANCH 252	478	A	.	40.1	11.8	187	1.45	0.69	295	10	3.55

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
OA 304	1.39	90.6	42.7	10.5	68.0	11	3.55	1099	.	.	.
CONQUISTADOR	1.39	90.7	43.6	10.0	69.1	11	3.60	868	.	.	.
PIMA S-7	1.38	89.8	41.1	10.0	69.3	11	3.50	804	.	.	.
PIMA S-6	1.35	88.9	37.1	10.0	67.2	12	3.75	751	.	.	.
ORO BLANCO	1.39	90.8	41.2	11.0	68.0	11	3.50	812	.	.	.
CHANEY RANCH 253	1.39	90.3	43.8	10.5	69.6	11	3.65	840	.	.	.
DPL 9911	1.35	89.0	37.2	10.5	66.9	11	4.20	708	.	.	.
CHANEY RANCH 252	1.38	90.0	40.0	10.0	68.6	11	3.30	711	.	.	.

SAFFORD, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)
						2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	
OA 304	1262	A	2.81	38.0	174	1.39	0.64	321	9.5	3.50
CONQUISTADOR	1060	B A	2.53	40.6	179	1.37	0.66	304	9.3	3.25
DPL 9911	1031	B A	2.87	41.2	169	1.37	0.68	297	9.4	3.40
PIMA S-7	969	B	2.91	40.3	181	1.33	0.66	302	9.0	4.10
CHANEY RANCH 252	879	B	3.11	39.3	167	1.37	0.66	291	9.8	3.35
CHANEY RANCH 253	845	B	2.55	36.6	176	1.39	0.66	304	8.9	3.45
PIMA S-6	824	B	3.01	40.1	178	1.33	0.66	301	9.6	3.90
ORO BLANCO	791	B	3.01	39.9	169	1.39	0.63	300	10	3.40

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL
					Rd	Hunter's b					

(%)

OA 304	1.34	87.3	42.0	10.5	65.3	11	3.70	2053	24.26	4.07	0.69
CONQUISTADOR	1.33	86.6	44.2	10.0	66.6	11	3.35	1549	21.70	3.89	0.56
DPL 9911	1.33	86.8	39.4	10.5	64.6	12	3.65	1470	21.57	4.02	0.55
PIMA S-7	1.31	87.3	42.7	10.0	66.7	11	3.95	1434	22.45	4.04	0.50
CHANEY RANCH 252	1.34	87.7	40.0	10.5	66.6	11	3.40	1359	18.88	3.90	0.52
CHANEY RANCH 253	1.34	87.5	43.2	10.5	66.1	11	3.60	1461	22.44	3.89	0.59
PIMA S-6	1.31	87.6	39.3	11.0	65.9	12	3.90	1227	22.96	4.16	0.51
ORO BLANCO	1.35	87.8	41.7	11.0	63.8	11	3.40	1191	20.50	4.12	0.57

MARICOPA, AZ

VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN	Digital Fibrograph		Stelometer		MICRONAIRE (Reading)	
					TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)		
CONQUISTADOR	1058	A	2.36	36.4	11.0	189	1.37	0.69	315	8.8	4.30
OA 304	995	A	2.57	33.6	11.3	187	1.38	0.69	337	9.6	3.90
PIMA S-7	814	B	2.60	36.5	12.2	188	1.33	0.69	327	9.0	4.10
CHANEY RANCH 253	710	C	2.01	33.7	12.0	183	1.38	0.69	330	8.9	4.00
PIMA S-6	641	C	2.37	36.5	12.2	174	1.37	0.69	294	9.5	4.00
DPL 9911	508	D	2.57	35.9	12.4	169	1.37	0.68	305	9.8	3.95
ORO BLANCO	453	D	2.69	34.5	12.6	169	1.38	0.67	304	9.9	3.95
CHANEY RANCH 252	304	E	2.53	36.4	11.9	162	1.39	0.63	306	10	3.75

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

----- Seed Data -----

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter		MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
					Rd	Hunter's b					
CONQUISTADOR	1.34	88.6	45.1	11.0	65.3	11	4.10	1850	23.40	4.28	0.52

OA 304	1.35	89.2	42.8	10.5	66.7	10	3.90	1965	23.03	4.39	0.51
PIMA S-7	1.33	88.2	42.9	10.0	66.1	11	4.05	1414	22.27	4.24	0.44
CHANEY RANCH 253	1.34	88.4	44.7	10.0	67.1	10	3.95	1397	22.56	4.20	0.46
PIMA S-6	1.32	87.8	39.8	10.0	65.9	11	3.90	1115	21.71	4.31	0.56
DPL 9911	1.31	87.3	38.9	10.5	65.3	11	3.95	908	22.54	4.29	0.43
ORO BLANCO	1.32	88.0	41.1	11.0	65.8	11	3.95	860	21.01	4.31	0.42
CHANEY RANCH 252	1.32	87.0	39.0	10.0	66.3	11	3.70	532	21.79	4.43	0.39

1996 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER
DR. D. STEVE CALHOUN

At the request of Dr. Calhoun, please access the 1996 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

[1996 REGIONAL SHORT SEASON TEST](#)

1996 BUDWORM/BOLLWORM TEST RESULTS

Table 1. Regional bollworm/budworm test, Mississippi State, MS

Entry	Lint	Boll Size	Lint/a W/TBW	Lint/a W/o TBW	Loss		POP
					(bolls/lint/row ft.)		
	%	g	lbs	lbs	no.	lbs	%
MARCUBQHGRPIS-1-92	37.9	5.86	602	880	1.6	278	68.2
MARSPNXHQBPIS-1-94	36.9	5.46	453	972	3.1	519	47.3
MARCABCSV506S-1-94	37.3	6.02	597	989	2.1	392	59.7
MARCUBQHGRPIH-1-92	36.1	5.70	652	899	1.4	248	73.2
MARSPNXCHGLBH-1-94	38.9	5.30	681	899	1.4	218	77.8
MARSPNXSV506H-1-94	38.4	6.08	184	563	2.1	378	33.2
DES 119	42.7	4.85	375	691	2.1	316	58.8
Sure-Grow 501	42.2	4.86	432	824	2.7	391	51.8
Entry F test	**	**	**	**	*	*	**
LSD 0.05	0.74	0.26	141	200	1.11	177	16.2

W/TBW = Artificial Infestation with tobacco budworm larvae and

Plots were infested on 6/25, 7/2, 7/9, and 7/16

W/o TBW = Control of worms (boll worm/budworm) with insecticide

POP = percent of potential yield = (yield W/TBW divided by yield

Test was planted May 6 and harvested Oct. 18.

ENTRY	SPRAYWORM		SPRAY		WORM		SPRAY	
	SEE	SEED	SEEDWORM	SPRAY	WORM	SPRAY		
	COTT	COTTO	COTTO	LINT	LINT	LIN	LINT	
	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD	YIELD	
	(lbs/ha)	(kg/ha)	(kg/ha)	(lbs/a)	(lbs/a)	(kg/ha)	(kg/ha)	
1 MCUBQHGRPIS192	2320	1777	2599	602	880	674	986	
2 MSPNXHQBPIS194	2632	1375	2947	453	972	508	1088	
3 MCABBCSV506S194	2650	1790	2967	597	989	668	1108	
4 MCUBQHGRPIH192	2490	2021	2789	652	899	730	1007	
5 MSPNXCHGLBH194	2313	1962	2590	681	899	763	1007	
6 MSPNXSV506194	1463	537	1639	184	563	206	630	
7 DES119	1619	985	1813	375	691	420	774	
8 SG501	1952	1147	2187	432	824	484	922	
f	**	**	**	**	**	**	**	**
lsd	514	406	575	141	200	158	224	

lint lint 1% of potential
kg/ha lb/acr%

ENTRY	lint	lint	1% of potential
	kg/ha	lb/acr	%
1 MCUBQHGRPIS192	312	278	68.2
2 MSPNXHQBPIS194	581	519	47.3
3 MCABBCSV506S194	440	392	59.7
4 MCUBQHGRPIH192	277	248	73.2
5 MSPNXCHGLBH194	244	218	77.8
6 MSPNXSV506194	424	378	33.2
7 DES119	354	316	58.8
8 SG501	438	391	51.8
f	*	*	**
lsd	198	177	16.2

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

Any questions or comments may be sent to ekeene@ars.usda.gov

United States Department of Agriculture

**Agricultural Research Service
Mid-South Area
Cotton Physiology & Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-5241
Fax (662) 686-5218**



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