1994 National Cotton Variety Test

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National Cotton Variety Tests, 1994
Yield, Boll, Seed, Spinning and Data

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National Cotton Variety Tests, 1994.

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

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Agricultural Research Service
Crop Genetics & Production Research Unit
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(As of January 1996)

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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 - 1994
Yield Archive File	1960 - 1994
Fiber Quality Archive File	1960 - 1994
Pima Combed Yarn Archive File	1962 - 1994

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

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

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Introduction

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

National standard varieties are chosen for a 3-year testing cycle. For the twelveth 3-year testing cycle, beginning in 1993, the national standards were Acala 1517-88, Paymaster HS26,

Deltapine 50, and Deltapine 90. 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 1994, 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 Agricultual 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 180øF for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. The purpose of this modification was to reduce free moisture on the kernels with which the gossypol could interact and become bound to the protein thus reducing the free gossypol content. The use of this modification (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years. Free gossypol is expressed as a percentage of the mass of the kernel.

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

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

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

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

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

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

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

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

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

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

2.5 S.L. See Digital Fibrograph for definition

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

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

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

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

Colorimeter

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

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

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

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

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

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

Reporting Variations

Arizona Region Test Results:

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

Pima Test -

1994 tests had to be discarded due to weather conditions.

Cotton varieties tested in the 1994 National Cotton Variety Tests:

VARIETY PLANTED	NATIONAL STANDARD	PLANTED IN REGION
ACALA 1517 SR-3		WESTERN
ACALA 1517-88	X	ALL REGIONS
ACALA 1517-91		WESTERN
ACALA GC 510		WESTERN

ACALA MAXXA		SAN JOAQUIN
ACALA PREMA		WESTERN
ACALA W 5250		WESTERN
AGC 1185		ARIZONA
AGC 2006		HIGH QUALITY - ARIZONA
AGC 3076		HIGH QUALITY
ALL-TEX MAX-9		WESTERN
ALL-TEX QUICKIE		PLAINS
B 49-20		HIGH QUALITY
B 5064		HIGH QUALITY
B 7465		HIGH QUALITY
C-133		SAN JOAQUIN
CB 1233		EASTERN - ARIZONA
CBX 392		SAN JOAQUIN
CHEMBRED 232		DELTA
CHEMBRED 232		ARIZONA
CHEMBRED 407		EASTERN
CHEMBRED CB 1135		EASTERN
CHEMBRED CB 333		EASTERN
CHEMBRED CBX1210		WESTERN
COKER 320		WESTERN
CPCSD C-224		SAN JOAQUIN
CPCSD C-225		SAN JOAQUIN
DELTAPINE 20		DELTA
DELTAPINE 50	X	ALL REGIONS
DELTAPINE 5415		EASTERN
DELTAPINE 5415		DELTA
DELTAPINE 90	X	ALL REGIONS
DES 119		EASTERN - DELTA - CENTRAL
DP 5409		ARIZONA
DPL 5690		EASTERN - ARIZONA
DPX 0227		HIGH QUALITY
DPX 8732		HIGH QUALITY
DPX 9302		SAN JOAQUIN
G+P 3774		PLAINS
GC 9001		SAN JOAQUIN
GC 9033		HIGH QUALITY - ARIZONA
GC 9203		SAN JOAQUIN
GC 9204		SAN JOAQUIN
GEORGIA KING		EASTERN
H 1220		ARIZONA
HB 147		HIGH QUALITY
HOLLAND 1919		PLAINS
HS SAL 10		ARIZONA
HS46		EASTERN - ARIZONA

HX 03298		HIGH QUALITY
HX 91-24		HIGH QUALITY
HX 93-407		HIGH QUALITY
HY 39		ARIZONA
LANKART 142		PLAINS
McNAIR 220		WESTERN
OA 201		SAN JOAQUIN
OA 204		SAN JOAQUIN
OA 9		ARIZONA
PAYMASTER 147		PLAINS
PAYMASTER HS 200		PLAINS
PAYMASTER HS 26	X	ALL REGIONS
PD 93053		HIGH QUALITY
PHY 32		SAN JOAQUIN
PHY 33		SAN JOAQUIN
PHYTOGEN 27		SAN JOAQUIN
S-1001		EASTERN - ARIZONA
SG 125		EASTERN
SOUTHLAND 400		PLAINS
STONEVILLE 1324		ARIZONA
STONEVILLE 453		EASTERN - DELTA - BLACKLANDS
STV KC311		EASTERN - ARIZONA
STV LA 887		EASTERN - DELTA - CENTRAL - ARIZONA
SUREGROW 501		EASTERN
TAMCOT CD3H		PLAINS
TAMCOT HQ95		BLACKLANDS
TX 27D3-24		HIGH QUALITY
TX 87G3-27		HIGH QUALITY
WLF 31		SAN JOAQUIN

1994 EASTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 EASTERN 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
SG 125	1262	A	5.67	40.6	10.7	124	1.18	0.57	185	9.8	4.45
SUREGROW 501	1257	A	5.46	41.2	10.1	146	1.19	0.58	216	8.9	4.52
STV LA 887	1236	A	6.19	41.2	11.4	141	1.17	0.55	211	8.8	4.35
DELTAPINE 5415	1224	A	5.16	39.2	9.5	130	1.16	0.55	206	8.2	4.55
DES 119	1203	A	5.02	40.0	10.5	130	1.19	0.57	200	8.5	4.50
STV KC311	1195	A	5.37	39.1	10.1	143	1.18	0.57	212	7.5	4.42
CHEMBRED CB 1135	1192	A	5.75	39.7	10.3	139	1.19	0.57	201	7.5	4.13
HS46	1190	A	5.29	40.1	10.0	141	1.18	0.55	219	7.4	4.05
GEORGIA KING	1174	A	5.76	41.2	10.6	142	1.18	0.56	207	8.0	4.37
CHEMBRED 407	1159	A	5.71	39.3	10.6	135	1.19	0.57	202	7.0	4.42
DELTAPINE 90	1157	A	5.77	39.2	10.3	136	1.18	0.58	214	7.6	4.47
DPL 5690	1143	A	5.63	39.4	10.1	140	1.17	0.55	217	7.0	4.57
S-1001	1140	A	5.30	39.2	10.2	142	1.18	0.56	216	7.8	4.47
STONEVILLE 453	1121	A	5.23	40.5	10.7	124	1.16	0.55	191	8.8	4.28
DELTAPINE 50	1112	A	5.62	36.4	10.9	119	1.19	0.56	179	9.3	4.28
CB 1233	1106	A	5.81	38.0	10.5	134	1.18	0.56	195	8.1	4.23
CHEMBRED CB 333	1087	A	5.68	39.2	10.7	132	1.17	0.57	196	7.6	4.05
PAYMASTER HS 26	867	B	5.52	36.9	11.0	126	1.13	0.56	206	9.0	4.08
ACALA 1517-88	863	B	5.33	39.3	10.7	154	1.22	0.58	230	7.1	3.93

1994 EASTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	Colorimeter E	Colorimeter Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)

SG 125	1.18	85.7	25.1	10.3	71.1	8.4	4.45	1738	18.95	3.28	0.86
SUREGROW 501	1.17	86.0	30.5	10.2	69.7	7.9	4.48	1808	19.03	3.17	1.02
STV LA 887	1.18	85.4	30.2	10.2	70.5	8.7	4.27	1671	19.70	3.16	1.09
DELTAPINE 5415	1.17	85.3	28.4	10.2	72.5	7.7	4.63	1840	18.64	3.10	1.00
DES 119	1.18	86.0	27.1	10.5	68.9	8.2	4.45	1823	19.55	3.27	1.15
STV KC311	1.17	85.3	31.6	10.2	69.7	8.2	4.33	1896	20.86	3.19	1.07
CHEMBRED CB 1135	1.17	84.6	29.3	9.9	71.0	7.6	4.08	1775	20.87	3.17	0.99
HS46	1.19	85.4	31.4	10.3	70.9	8.1	3.97	1816	20.10	3.12	1.03
GEORGIA KING	1.18	85.6	30.8	10.1	68.3	8.0	4.27	1641	20.04	3.28	0.99
CHEMBRED 407	1.17	84.8	28.6	9.9	71.0	7.7	4.40	1744	20.60	3.21	1.13
DELTAPINE 90	1.15	84.9	31.7	10.0	70.0	7.9	4.55	1797	21.14	3.21	1.02
DPL 5690	1.17	85.5	32.1	10.2	71.4	7.8	4.63	1705	21.15	3.15	1.06
S-1001	1.17	85.1	31.7	10.2	70.4	8.2	4.42	1763	20.55	3.16	1.00
STONEVILLE 453	1.16	85.1	27.4	10.0	71.2	8.1	4.30	1632	19.25	3.25	1.13
DELTAPINE 50	1.17	85.5	25.6	10.3	71.1	7.9	4.18	1918	20.67	3.08	1.09
CB 1233	1.17	85.2	28.8	10.0	71.1	8.0	4.30	1817	20.74	3.16	1.04
CHEMBRED CB 333	1.17	85.0	27.9	9.9	69.8	7.9	4.08	1649	20.77	3.19	1.06
PAYMASTER HS 26	1.11	84.5	29.2	10.5	67.7	7.8	4.03	1404	21.10	3.14	1.04
ACALA 1517-88	1.21	85.5	32.5	9.8	69.9	8.0	3.83	1281	20.51	3.40	0.89

1994 EASTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
CHEMBRED 407	.	.	.	.	.	.	.

DELTAPINE 90	462	26.6	1.69	86	48.67	4.32	2.82
DPL 5690	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 50	489	37.3	1.90	78	52.69	4.51	2.64
CB 1233	.	.	.	.	.	.	.
CHEMBRED CB 333	.	.	.	.	.	.	.
PAYMASTER HS 26	502	37.1	1.89	78	51.23	4.26	2.56
ACALA 1517-88	530	34.3	1.84	80	46.46	3.63	2.43

1994 EASTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
STV LA 887	6.19	A	STV LA 887	41.2	A	STV LA 887	11.4	A
CB 1233	5.81	B	SUREGROW 501	41.2	A	PAYMASTER HS 26	11.0	B A
DELTAPINE 90	5.77	C B	GEORGIA KING	41.2	A	DELTAPINE 50	10.9	B A
GEORGIA KING	5.76	C B	SG 125	40.6	B A	STONEVILLE 453	10.7	B C
CHEMBRED CB 1135	5.75	C B D	STONEVILLE 453	40.5	B A C	CHEMBRED CB 333	10.7	B C
CHEMBRED 407	5.71	EC B D	HS46	40.1	B A C	SG 125	10.7	B C
CHEMBRED CB 333	5.68	EC B D	DES 119	40.0	B A C	ACALA 1517-88	10.7	B C
SG 125	5.67	EC B D	CHEMBRED CB 1135	39.7	B C	CHEMBRED 407	10.6	B C
DPL 5690	5.63	ECFB D	DPL 5690	39.4	B D C	GEORGIA KING	10.6	B C
DELTAPINE 50	5.62	ECFB D	ACALA 1517-88	39.3	B D C	DES 119	10.5	B C
PAYMASTER HS 26	5.52	ECFBGD	CHEMBRED 407	39.3	B D C	CB 1233	10.5	B C
SUREGROW 501	5.46	ECFBGD	DELTAPINE 5415	39.2	B D C	CHEMBRED CB 1135	10.3	B C
STV KC311	5.37	ECFHGD	S-1001	39.2	B D C	DELTAPINE 90	10.3	B C
ACALA 1517-88	5.33	E FHGD	CHEMBRED CB 333	39.2	B D C	S-1001	10.2	C
S-1001	5.30	E FHG	DELTAPINE 90	39.2	B D C	STV KC311	10.1	C
HS46	5.29	E FHG	STV KC311	39.1	D C	DPL 5690	10.1	D C
STONEVILLE 453	5.23	FHG	CB 1233	38.0	E D	SUREGROW 501	10.1	D C
DELTAPINE 5415	5.16	HG	PAYMASTER HS 26	36.9	E F	HS46	10.0	D C
DES 119	5.02	H	DELTAPINE 50	36.4	F	DELTAPINE 5415	9.5	D

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
ACALA 1517-88	154	A	ACALA 1517-88	1.22	A	ACALA 1517-88	0.58	A
SUREGROW 501	146	B	DELTAPINE 50	1.19	B A	SUREGROW 501	0.58	A

STV KC311	143	C B
GEORGIA KING	142	C B
S-1001	142	C B D
STV LA 887	141	C B D
HS46	141	C B D
DPL 5690	140	C B D
CHEMBRED CB 1135	139	C E D
DELTAPINE 90	136	F E D
CHEMBRED 407	135	F E G
CB 1233	134	F E G
CHEMBRED CB 333	132	F G
DES 119	130	H G
DELTAPINE 5415	130	H G
PAYMASTER HS 26	126	I H
SG 125	124	I J
STONEVILLE 453	124	I J
DELTAPINE 50	119	J

DES 119	1.19	B A
CHEMBRED 407	1.19	B A
CHEMBRED CB 1135	1.19	B A
SUREGROW 501	1.19	B
DELTAPINE 90	1.18	B
STV KC311	1.18	B
S-1001	1.18	B
GEORGIA KING	1.18	B
HS46	1.18	B
CB 1233	1.18	B
SG 125	1.18	B
DPL 5690	1.17	B
CHEMBRED CB 333	1.17	B
STV LA 887	1.17	B
STONEVILLE 453	1.16	B C
DELTAPINE 5415	1.16	B C
PAYMASTER HS 26	1.13	C

DELTAPINE 90	0.58	B A
STV KC311	0.57	B A C
DES 119	0.57	B A C
CHEMBRED 407	0.57	B A C
CHEMBRED CB 1135	0.57	B A C
CHEMBRED CB 333	0.57	B A C
SG 125	0.57	B A C
PAYMASTER HS 26	0.56	B A C
DELTAPINE 50	0.56	B A C
S-1001	0.56	B A C
GEORGIA KING	0.56	B A C
CB 1233	0.56	B A C
HS46	0.55	B A C
DELTAPINE 5415	0.55	B C
STONEVILLE 453	0.55	C
DPL 5690	0.55	C
STV LA 887	0.55	C

STELOMETER - T1

ACALA 1517-88	230	A
HS46	219	B
DPL 5690	217	C B
S-1001	216	C B
SUREGROW 501	216	C B
DELTAPINE 90	214	C B D
STV KC311	212	EC B D
STV LA 887	211	EC B D
GEORGIA KING	207	ECFB D
PAYMASTER HS 26	206	ECF D
DELTAPINE 5415	206	ECF D
CHEMBRED 407	202	E FG D
CHEMBRED CB 1135	201	E FG
DES 119	200	E FG
CHEMBRED CB 333	196	HFG
CB 1233	195	HFG
STONEVILLE 453	191	H G I
SG 125	185	H I
DELTAPINE 50	179	I

STELOMETER - E1

SG 125	9.8	A
DELTAPINE 50	9.3	B A
PAYMASTER HS 26	9.0	B A C
SUREGROW 501	8.9	DB A C
STV LA 887	8.8	DB C
STONEVILLE 453	8.8	DB C
DES 119	8.5	DB E C
DELTAPINE 5415	8.2	DF E C
CB 1233	8.1	DFGE C
GEORGIA KING	8.0	DFGE H
S-1001	7.8	FGE H
CHEMBRED CB 333	7.6	FGE H
DELTAPINE 90	7.6	FGE H
STV KC311	7.5	FG H
CHEMBRED CB 1135	7.5	FG H
HS46	7.4	FG H
ACALA 1517-88	7.1	G H
CHEMBRED 407	7.0	H
DPL 5690	7.0	H

MICRONAIRE

DPL 5690	4.57	A
DELTAPINE 5415	4.55	A
SUREGROW 501	4.52	B A
DES 119	4.50	B A
DELTAPINE 90	4.47	B A C
S-1001	4.47	B A C
SG 125	4.45	B A C
STV KC311	4.42	B A C
CHEMBRED 407	4.42	B A C
GEORGIA KING	4.37	DB A C
STV LA 887	4.35	DB A C
DELTAPINE 50	4.28	DB E C
STONEVILLE 453	4.28	DB E C
CB 1233	4.23	D E C
CHEMBRED CB 1135	4.13	DF E
PAYMASTER HS 26	4.08	F E
CHEMBRED CB 333	4.05	F E
HS46	4.05	F E
ACALA 1517-88	3.93	F

2.5% S.L. (INCHES)		
ACALA 1517-88	1.21	A
HS46	1.19	B
DES 119	1.18	C B
SG 125	1.18	C B
GEORGIA KING	1.18	C B D
STV LA 887	1.18	C B D
DELTAPINE 50	1.17	C B D
STV KC311	1.17	C B D
CHEMBRED 407	1.17	C B D
CHEMBRED CB 1135	1.17	C B D
S-1001	1.17	C B D
DPL 5690	1.17	C B D
DELTAPINE 5415	1.17	C B D
CHEMBRED CB 333	1.17	C B D
CB 1233	1.17	C B D
SUREGROW 501	1.17	C B D
STONEVILLE 453	1.16	C D
DELTAPINE 90	1.15	D
PAYMASTER HS 26	1.11	E

UR (PERCENT)		
DES 119	86.0	A
SUREGROW 501	86.0	B A
SG 125	85.7	B A C
GEORGIA KING	85.6	DB A C
ACALA 1517-88	85.5	DB A C
DELTAPINE 50	85.5	DB A C
DPL 5690	85.5	DB A C
HS46	85.4	DB A C
STV LA 887	85.4	DB A C
DELTAPINE 5415	85.3	DB A C
STV KC311	85.3	DB E C
CB 1233	85.2	DF E C
STONEVILLE 453	85.1	DF E C
S-1001	85.1	DF E C
CHEMBRED CB 333	85.0	DF E C
DELTAPINE 90	84.9	DF E
CHEMBRED 407	84.8	DF E
CHEMBRED CB 1135	84.6	F E
PAYMASTER HS 26	84.5	F

STRENGTH (G/TEX)		
ACALA 1517-88	32.5	A
DPL 5690	32.1	B A
DELTAPINE 90	31.7	B A C
S-1001	31.7	B A C
STV KC311	31.6	B A C
HS46	31.4	DB A C
GEORGIA KING	30.8	DB C
SUREGROW 501	30.5	D E C
STV LA 887	30.2	DF E
CHEMBRED CB 1135	29.3	F E G
PAYMASTER HS 26	29.2	F G
CB 1233	28.8	H G
CHEMBRED 407	28.6	I H G
DELTAPINE 5415	28.4	JI H G
CHEMBRED CB 333	27.9	JI H
STONEVILLE 453	27.4	JI
DES 119	27.1	J
DELTAPINE 50	25.6	K
SG 125	25.1	K

E		
PAYMASTER HS 26	10.5	A
DES 119	10.5	A
DELTAPINE 50	10.3	B A
HS46	10.3	B A
SG 125	10.3	B A
S-1001	10.2	B A
DPL 5690	10.2	B A
DELTAPINE 5415	10.2	B A
STV LA 887	10.2	B A
SUREGROW 501	10.2	B A
STV KC311	10.2	B A
GEORGIA KING	10.1	B A
DELTAPINE 90	10.0	B A
STONEVILLE 453	10.0	B A
CB 1233	10.0	B A
CHEMBRED CB 333	9.9	B A
CHEMBRED CB 1135	9.9	B

COLORIMETER - Rd		
DELTAPINE 5415	72.5	A
DPL 5690	71.4	B A
STONEVILLE 453	71.2	B A
CB 1233	71.1	B A
DELTAPINE 50	71.1	B A
SG 125	71.1	B A
CHEMBRED CB 1135	71.0	B A
CHEMBRED 407	71.0	B A
HS46	70.9	B A
STV LA 887	70.5	B A C
S-1001	70.4	B A C
DELTAPINE 90	70.0	B D C
ACALA 1517-88	69.9	B D C
CHEMBRED CB 333	69.8	B D C
SUREGROW 501	69.7	B D C
STV KC311	69.7	B D C
DES 119	68.9	B D C

COLORIMETER - b		
STV LA 887	8.7	A
SG 125	8.4	B A
DES 119	8.2	B C
S-1001	8.2	B C
STV KC311	8.2	B C D
HS46	8.1	EB C D
STONEVILLE 453	8.1	EB C D
ACALA 1517-88	8.0	EF C D
GEORGIA KING	8.0	EF C D
CB 1233	8.0	EF C D
DELTAPINE 90	7.9	EF C D
CHEMBRED CB 333	7.9	EF C D
SUREGROW 501	7.9	EF C D
DELTAPINE 50	7.9	EF C D
DPL 5690	7.8	EF D
PAYMASTER HS 26	7.8	EF
CHEMBRED 407	7.7	EF

CHEMBRED 407	9.9	B
ACALA 1517-88	9.8	B
GEORGIA KING	68.3	D C
PAYMASTER HS 26	67.7	D
DELTAPINE 5415	7.7	EF
CHEMBRED CB 1135	7.6	F

MICRONAIRE (SL-HVI)

DPL 5690	4.63	A
DELTAPINE 5415	4.63	A
DELTAPINE 90	4.55	B A
SUREGROW 501	4.48	B A C
DES 119	4.45	DB A C
SG 125	4.45	DB A C
S-1001	4.42	DB A C
CHEMBRED 407	4.40	DB A C
STV KC311	4.33	DB E C
STONEVILLE 453	4.30	DBFE C
CB 1233	4.30	DBFE C
GEORGIA KING	4.27	D FE C
STV LA 887	4.27	D FE C
DELTAPINE 50	4.18	DGFE
CHEMBRED CB 1135	4.08	GFE H
CHEMBRED CB 333	4.08	GFE H
PAYMASTER HS 26	4.03	GF H
HS46	3.97	G H
ACALA 1517-88	3.83	H

OIL (PERCENT)

DPL 5690	21.15	A
DELTAPINE 90	21.14	A
PAYMASTER HS 26	21.10	A
CHEMBRED CB 1135	20.87	B A
STV KC311	20.86	B A
CHEMBRED CB 333	20.77	B A
CB 1233	20.74	B A
DELTAPINE 50	20.67	B A
CHEMBRED 407	20.60	B A
S-1001	20.55	B A
ACALA 1517-88	20.51	B A C
HS46	20.10	B D C
GEORGIA KING	20.04	B D C
STV LA 887	19.70	E D C
DES 119	19.55	E D
STONEVILLE 453	19.25	E D F
SUREGROW 501	19.03	E F
SG 125	18.95	E F
DELTAPINE 5415	18.64	F

NITROGEN (PERCENT)

ACALA 1517-88	3.40	A
GEORGIA KING	3.28	B A
SG 125	3.28	B A
DES 119	3.27	B A C
STONEVILLE 453	3.25	DB A C
DELTAPINE 90	3.21	DB C
CHEMBRED 407	3.21	DB C
STV KC311	3.19	DB C
CHEMBRED CB 333	3.19	DB C
CHEMBRED CB 1135	3.17	DB C
SUREGROW 501	3.17	DB C
S-1001	3.16	DB C
CB 1233	3.16	DB C
STV LA 887	3.16	DB C
DPL 5690	3.15	DB C
PAYMASTER HS 26	3.14	DB C
HS46	3.12	DB C
DELTAPINE 5415	3.10	D C
DELTAPINE 50	3.08	D

FREE GOSSYPOL (PERCENT)

DES 119	1.15	A
STONEVILLE 453	1.13	B A
CHEMBRED 407	1.13	B A
DELTAPINE 50	1.09	B A C
STV LA 887	1.09	B A C
STV KC311	1.07	B A C
DPL 5690	1.06	B A C
CHEMBRED CB 333	1.06	B A C
PAYMASTER HS 26	1.04	B A C
CB 1233	1.04	B A C
HS46	1.03	B A C

SEED YIELD (LB/ACRE)

DELTAPINE 50	1917	A
STV KC311	1896	B A
DELTAPINE 5415	1839	B A C
DES 119	1823	B A C
CB 1233	1816	B A C
HS46	1816	B A C
SUREGROW 501	1807	B A C
DELTAPINE 90	1796	B A C
CHEMBRED CB 1135	1774	B A C
S-1001	1763	B A C
CHEMBRED 407	1743	B A C

DELTAPINE 90	1.02	B	A	C	SG 125	1738	B	A	C
SUREGROW 501	1.02	B	A	C	DPL 5690	1705	B	A	C
S-1001	1.00	B	A	C	STV LA 887	1670	B	A	C
DELTAPINE 5415	1.00	B	A	C	CHEMBRED CB 333	1648	B		C
CHEMBRED CB 1135	0.99	B	A	C	GEORGIA KING	1641	B		C
GEORGIA KING	0.99	B	A	C	STONEVILLE 453	1632			C
ACALA 1517-88	0.89	B		C	PAYMASTER HS 26	1403		D	
SG 125	0.86			C	ACALA 1517-88	1280		D	

AREALOMETER - A (mm2/mm3)

ACALA 1517-88	530		A
PAYMASTER HS 26	502	B	A
DELTAPINE 50	489	B	C
DELTAPINE 90	462		C

AREALOMETER - D (mm2/mm3)

DELTAPINE 50	37.3		A
PAYMASTER HS 26	37.1		A
ACALA 1517-88	34.3		A
DELTAPINE 90	26.6		B

AREALOMETER - I

DELTAPINE 50	1.9	A
PAYMASTER HS 26	1.9	A
ACALA 1517-88	1.8	A
DELTAPINE 90	1.7	B

AREALOMETER - M (PERCENT)

DELTAPINE 90	86		A
ACALA 1517-88	80		B
PAYMASTER HS 26	78		B
DELTAPINE 50	78		B

AREALOMETER - p (Microns)

DELTAPINE 50	52.69			A
PAYMASTER HS 26	51.23	B	A	
DELTAPINE 90	48.67	B	C	
ACALA 1517-88	46.46			C

AREALOMETER -w (MG/INCH)

DELTAPINE 50	4.51	A
DELTAPINE 90	4.32	A
PAYMASTER HS 26	4.26	A
ACALA 1517-88	3.63	B

AREALOMETER - t (MICRONS)

DELTAPINE 90	2.82		A
DELTAPINE 50	2.64		B
PAYMASTER HS 26	2.56	C	B
ACALA 1517-88	2.43	C	

1994 EASTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
TIFTON, GA	1373	A	6.31	40.9	10.6	.	.	.	.	.	.
BELLE MINA, AL	1204	B	4.91	42.3	9.3	130	1.13	0.54	193	8.8	4.16
FLORENCE, SC	1033	C	6.21	37.2	12.1	140	1.26	0.60	210	7.1	4.62
AUBURN, AL	956	D	4.72	37.5	9.8	137	1.14	0.55	214	8.4	4.19

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)
TIFTON, GA	.	.	.	.	.	.	.	1949	.	.	.
BELLE MINA, AL	1.13	84.0	27.8	10.0	67.9	7.3	4.06	1645	21.27	2.99	1.19
FLORENCE, SC	1.25	87.8	30.0	10.2	76.6	8.7	4.74	1746	19.94	3.27	1.09
AUBURN, AL	1.13	84.1	30.6	10.2	66.5	8.0	4.09	1548	19.45	3.31	0.82

LOCATION	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
TIFTON, GA	.	.	.	.	.	.	.
BELLE MINA, AL	511	35.7	1.87	79	49.51	4.04	2.5
FLORENCE, SC	458	26.4	1.68	86	49.10	4.41	2.9
AUBURN, AL	519	39.3	1.93	76	50.67	4.10	2.5

1994 EASTERN REGIONAL COTTON VARIETY TEST
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. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
SG 125	1249	A	5.27	39.4	10.2	124	1.16	0.57	193	10	4.30
STONEVILLE 453	1164	B A	4.09	39.7	10.0	128	1.14	0.53	193	9.4	4.25
STV LA 887	1147	B A	5.31	39.9	10.0	140	1.13	0.53	214	9.5	4.30
DES 119	1079	B A C	4.13	38.2	9.4	129	1.14	0.56	206	9.0	4.30
HS46	1053	B A C	4.74	38.7	9.2	142	1.14	0.55	230	7.5	3.85
CHEMBRED CB 1135	1050	B A C	4.56	38.2	9.8	143	1.16	0.57	211	7.6	4.20
DELTAPINE 5415	1041	B A C	4.25	39.1	8.7	133	1.11	0.53	212	8.5	4.60
SUREGROW 501	991	B D C	4.83	39.0	9.7	146	1.15	0.57	211	10	4.40
DELTAPINE 50	964	B D C	4.79	34.9	10.9	120	1.16	0.56	189	9.0	4.15
CHEMBRED 407	945	B D C	5.05	36.4	10.0	137	1.18	0.59	215	7.4	4.20
CB 1233	933	B D C	4.70	35.7	9.8	134	1.13	0.55	212	8.5	4.05
DELTAPINE 90	899	E D C	5.48	36.8	9.9	140	1.12	0.54	229	7.5	4.40
DPL 5690	892	E D C	4.84	37.3	9.2	146	1.11	0.52	226	7.0	4.40
STV KC311	875	E D C	4.74	35.4	9.4	140	1.14	0.56	212	8.0	4.30
CHEMBRED CB 333	874	E D C	4.74	37.4	10.4	133	1.14	0.56	207	8.1	4.05
S-1001	846	E D C	4.73	35.4	9.9	143	1.15	0.56	222	8.3	4.35
GEORGIA KING	798	E D	4.55	38.8	10.0	138	1.16	0.56	208	8.3	4.10
ACALA 1517-88	689	E	4.22	38.0	9.8	156	1.19	0.56	251	7.0	3.75
PAYMASTER HS 26	671	E	4.74	33.3	10.0	128	1.10	0.56	223	9.3	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
SG 125	1.14	84.9	26.0	10.5	67.6	8.5	4.35	1693	18.33	3.45	0.78
STONEVILLE 453	1.15	84.3	28.2	10.0	68.3	7.8	4.05	1674	18.95	3.32	0.87
STV LA 887	1.13	84.0	31.9	10.5	67.9	8.6	4.00	1463	19.17	3.35	0.83
DES 119	1.13	84.1	28.0	10.5	65.0	8.2	4.20	1877	18.24	3.43	0.85
HS46	1.14	84.4	33.0	10.5	68.1	8.1	3.80	1702	20.06	3.17	0.86

CHEMBRED CB 1135	1.12	83.3	30.4	10.0	66.4	7.9	4.15	1663	20.38	3.29	0.75
DELTAPINE 5415	1.11	84.2	29.2	10.0	70.9	7.7	4.60	1631	17.98	3.14	0.76
SUREGROW 501	1.14	85.0	31.2	10.0	64.5	8.0	4.35	1645	18.42	3.21	1.07
DELTAPINE 50	1.13	84.2	26.1	10.0	66.5	7.8	4.00	1660	19.91	3.31	0.66
CHEMBRED 407	1.14	83.5	29.8	10.0	68.9	7.8	4.00	1641	19.47	3.30	0.86
CB 1233	1.13	84.0	30.0	10.0	67.3	7.9	4.10	1743	20.16	3.30	0.87
DELTAPINE 90	1.11	83.5	33.5	10.0	66.5	7.9	4.30	1455	20.69	3.32	0.81
DPL 5690	1.14	84.3	33.2	10.0	68.4	8.0	4.25	1474	20.13	3.37	0.79
STV KC311	1.13	83.8	31.9	10.0	65.7	8.3	4.30	1803	19.87	3.23	0.88
CHEMBRED CB 333	1.14	84.2	28.6	10.0	64.1	7.9	3.90	1341	19.72	3.41	0.74
S-1001	1.14	84.1	33.6	10.5	66.8	8.1	4.35	1666	19.71	3.22	0.87
GEORGIA KING	1.16	84.6	31.8	10.0	62.0	7.8	3.90	1068	18.72	3.45	0.76
ACALA 1517-88	1.19	84.3	33.7	9.9	65.8	8.3	3.55	1034	20.13	3.35	0.68
PAYMASTER HS 26	1.07	83.5	31.7	10.5	63.2	7.9	3.65	1186	19.53	3.35	0.86

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
DELTAPINE 50	514	46.0	2.05	72	55.13	4.55	2.5
CHEMBRED 407	.	.	.	.	.	.	.
CB 1233	.	.	.	.	.	.	.
DELTAPINE 90	475	28.0	1.72	85	48.39	4.19	2.7
DPL 5690	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
CHEMBRED CB 333	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
ACALA 1517-88	554	40.5	1.96	76	47.95	3.61	2.3
PAYMASTER HS 26	533	42.8	2.00	74	51.23	4.04	2.4

1994 EASTERN REGIONAL COTTON VARIETY TEST
TIFTON, GA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
S-1001	1577	A	6.22	41.7	10.3	.	.	.	.	.	.
SUREGROW 501	1575	A	6.06	43.3	9.8	.	.	.	.	.	.
DPL 5690	1524	B A	6.53	41.5	9.9	.	.	.	.	.	.
GEORGIA KING	1508	B A	6.85	42.6	11.2	.	.	.	.	.	.
STV KC311	1507	B A	5.98	40.9	10.3	.	.	.	.	.	.
HS46	1501	B A	6.30	40.9	10.0	.	.	.	.	.	.
DELTAPINE 90	1498	B A	6.22	41.1	10.6	.	.	.	.	.	.
DELTAPINE 5415	1474	B A C	5.61	41.3	9.0	.	.	.	.	.	.
CHEMBRED 407	1461	B A C	6.60	40.8	10.5	.	.	.	.	.	.
STV LA 887	1450	B A C	6.97	43.3	11.8	.	.	.	.	.	.
CHEMBRED CB 1135	1413	B D C	6.69	40.7	10.9	.	.	.	.	.	.
CHEMBRED CB 333	1361	E D C	6.57	40.1	11.0	.	.	.	.	.	.
DELTAPINE 50	1358	E D C	6.25	37.6	11.2	.	.	.	.	.	.
SG 125	1314	E D	6.33	42.1	10.4	.	.	.	.	.	.
DES 119	1281	E D	5.65	41.2	10.5	.	.	.	.	.	.
CB 1233	1271	E	6.62	39.1	10.9	.	.	.	.	.	.
STONEVILLE 453	1120	F	5.99	41.3	11.0	.	.	.	.	.	.
ACALA 1517-88	986	G	6.23	39.9	11.2	.	.	.	.	.	.
PAYMASTER HS 26	917	G	6.29	37.6	12.0	.	.	.	.	.	.

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)							Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
S-1001	.	.	.	.	.	.	.	2193	.	.	.
SUREGROW 501	.	.	.	.	.	.	.	2145	.	.	.
DPL 5690	.	.	.	.	.	.	.	2077	.	.	.
GEORGIA KING	.	.	.	.	.	.	.	1992	.	.	.
STV KC311	.	.	.	.	.	.	.	2176	.	.	.

HS46	.	.	.	.	.	.	.	2103	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.	2198	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.	1998	.	.	.
CHEMBRED 407	.	.	.	.	.	.	.	2093	.	.	.
STV LA 887	.	.	.	.	.	.	.	1858	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.	1958	.	.	.
CHEMBRED CB 333	.	.	.	.	.	.	.	2029	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.	2245	.	.	.
SG 125	.	.	.	.	.	.	.	1737	.	.	.
DES 119	.	.	.	.	.	.	.	1795	.	.	.
CB 1233	.	.	.	.	.	.	.	1906	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.	1594	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.	1412	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.	1521	.	.	.

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
S-1001	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
CHEMBRED 407	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.
CHEMBRED CB 333	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
SG 125	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
CB 1233	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.

1994 EASTERN REGIONAL COTTON VARIETY TEST
FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
SG 125	1166	A	6.24	38.6	12.6	130	1.24	0.61	189	8.5	4.65
SUREGROW 501	1150	B A	6.09	38.3	12.1	153	1.25	0.63	224	8.0	5.05
STV KC311	1144	B A	6.16	36.9	11.8	152	1.26	0.59	221	7.3	4.70
GEORGIA KING	1142	B A	6.48	39.4	12.3	149	1.23	0.61	218	7.1	4.70
DES 119	1124	B A	5.67	36.8	13.1	135	1.27	0.61	201	7.9	4.70
DELTAPINE 90	1123	B A	6.25	37.6	11.9	135	1.30	0.65	211	6.5	4.75
DELTAPINE 5415	1123	B A	5.90	36.1	11.3	134	1.25	0.59	212	7.1	4.80
CB 1233	1067	B A	6.31	36.8	12.1	141	1.27	0.60	198	6.5	4.60
STV LA 887	1038	B A	7.11	37.6	13.9	146	1.25	0.59	220	8.1	4.60
CHEMBRED CB 1135	1031	B A	6.20	37.9	11.6	142	1.27	0.60	204	6.1	4.35
HS46	1024	B A	5.91	37.5	11.9	143	1.27	0.59	225	6.3	4.40
CHEMBRED 407	1013	B A	6.41	37.3	12.3	140	1.25	0.58	207	5.8	4.75
DPL 5690	1008	B A	6.30	37.1	12.1	141	1.26	0.61	214	5.9	4.95
STONEVILLE 453	1004	B A	6.18	38.0	12.3	129	1.24	0.58	199	7.8	4.60
DELTAPINE 50	977	B A C	6.15	34.7	12.1	126	1.29	0.61	185	7.9	4.55
CHEMBRED CB 333	954	B D C	6.33	37.2	11.9	135	1.25	0.59	201	6.8	4.15
S-1001	946	B D C	6.09	36.7	11.8	149	1.27	0.60	214	7.3	4.70
ACALA 1517-88	810	D C	6.14	36.8	12.0	159	1.33	0.66	235	6.4	4.35
PAYMASTER HS 26	778	D	6.18	35.2	12.0	129	1.19	0.57	210	7.4	4.35

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
SG 125	1.26	88.0	25.7	10.5	76.6	9.0	4.80	1811	18.72	3.26	0.70
SUREGROW 501	1.24	88.9	31.5	10.5	77.0	8.4	5.05	1865	19.15	3.25	0.81
STV KC311	1.27	88.1	32.6	10.5	75.4	8.6	4.70	1996	20.23	3.32	1.17
GEORGIA KING	1.25	88.3	32.1	10.5	75.1	8.9	4.75	1753	19.96	3.31	1.19
DES 119	1.27	89.1	26.9	10.0	75.1	9.1	4.95	1889	19.74	3.44	1.24

DELTAPINE 90	1.25	87.9	32.0	10.0	75.9	8.5	5.00	1898	21.04	3.32	0.99
DELTAPINE 5415	1.26	87.9	29.0	10.5	77.7	8.6	5.05	1978	17.78	3.15	0.95
CB 1233	1.25	87.6	29.7	10.0	78.6	8.7	4.80	1949	20.55	3.28	1.03
STV LA 887	1.27	87.9	30.4	10.0	74.5	9.7	4.70	1697	19.07	3.20	1.16
CHEMBRED CB 1135	1.25	87.0	29.1	10.0	77.6	8.1	4.40	1677	20.31	3.32	1.08
HS46	1.27	87.6	31.3	10.5	76.2	8.8	4.40	1861	19.26	3.16	1.05
CHEMBRED 407	1.25	87.2	29.1	10.0	77.0	8.6	5.05	1581	20.52	3.32	1.20
DPL 5690	1.26	88.2	33.2	10.5	77.5	8.4	5.20	1654	21.32	3.20	1.23
STONEVILLE 453	1.24	87.2	27.6	10.0	76.8	8.9	4.85	1686	18.52	3.28	1.25
DELTAPINE 50	1.25	88.3	27.3	11.0	78.1	8.6	4.50	1990	20.09	3.14	1.25
CHEMBRED CB 333	1.25	87.6	29.5	10.0	78.3	8.5	4.40	1620	20.48	3.30	1.20
S-1001	1.25	87.3	32.0	10.0	76.1	8.8	4.65	1597	20.51	3.27	1.13
ACALA 1517-88	1.29	88.5	33.5	10.0	76.8	8.6	4.35	1404	20.65	3.47	1.11
PAYMASTER HS 26	1.18	86.5	28.1	10.0	75.4	8.2	4.45	1268	21.06	3.18	1.06

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
SG 125	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
DELTAPINE 90	426	20.0	1.55	91	48.03	4.58	3.1
DELTAPINE 5415	.	.	.	.	.	.	.
CB 1233	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
CHEMBRED 407	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 50	455	30.3	1.77	83	52.27	4.76	2.9
CHEMBRED CB 333	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
ACALA 1517-88	476	23.5	1.63	88	45.09	3.85	2.7
PAYMASTER HS 26	474	31.8	1.80	82	51.01	4.45	2.7

1994 EASTERN REGIONAL COTTON VARIETY TEST
BELLE MINA, AL

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DES 119	1327	A	4.64	43.8	9.1	127	1.16	0.55	192	8.8	4.50
SG 125	1321	B A	4.83	42.4	9.5	119	1.15	0.55	175	11	4.40
SUREGROW 501	1313	B A	4.85	44.1	8.7	138	1.16	0.55	212	8.8	4.10
STV LA 887	1307	B A	5.38	44.2	9.8	138	1.13	0.53	200	8.8	4.15
CHEMBRED CB 1135	1273	B A C	5.56	41.9	8.9	130	1.14	0.54	187	8.6	3.85
DELTAPINE 5415	1259	B A C	4.87	40.4	8.8	123	1.12	0.53	193	8.9	4.25
STV KC311	1255	B A C	4.60	43.2	9.1	138	1.13	0.55	205	7.4	4.25
GEORGIA KING	1248	DB A C	5.17	43.9	8.9	139	1.14	0.52	196	8.5	4.30
CHEMBRED 407	1218	DBEA C	4.80	42.7	9.8	129	1.15	0.55	183	7.9	4.30
STONEVILLE 453	1196	DBEA C	4.65	42.9	9.6	116	1.11	0.53	181	9.1	4.00
S-1001	1191	DBEA C	4.16	43.1	8.7	133	1.13	0.53	212	7.8	4.35
HS46	1184	DBE C	4.21	43.1	9.0	137	1.14	0.53	202	8.5	3.90
CHEMBRED CB 333	1161	D E C	5.07	42.0	9.5	128	1.12	0.54	180	8.0	3.95
CB 1233	1154	D E C	5.63	40.5	9.2	126	1.15	0.54	176	9.3	4.05
DPL 5690	1149	D E C	4.83	41.9	9.1	134	1.13	0.53	212	8.0	4.35
DELTAPINE 50	1148	D E C	5.27	38.6	9.7	112	1.13	0.52	165	11	4.15
DELTAPINE 90	1109	D E	5.13	41.2	8.9	134	1.13	0.56	203	8.8	4.25
PAYMASTER HS 26	1100	E	4.88	41.4	9.9	121	1.11	0.55	185	11	4.20
ACALA 1517-88	965	F	4.74	42.6	9.6	148	1.14	0.54	205	8.0	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DES 119	1.15	85.0	26.6	11.0	66.8	7.4	4.20	1732	20.69	2.95	1.35
SG 125	1.15	84.3	23.7	10.0	69.2	7.7	4.20	1712	19.81	3.12	1.11
SUREGROW 501	1.13	84.0	29.0	10.0	67.7	7.4	4.05	1575	19.51	3.05	1.19
STV LA 887	1.14	84.4	28.4	10.0	69.1	7.8	4.10	1664	20.85	2.92	1.29
CHEMBRED CB 1135	1.14	83.4	28.5	9.8	69.1	6.9	3.70	1801	21.94	2.90	1.16

DELTAPINE 5415	1.13	83.9	26.9	10.0	69.1	7.0	4.25	1752	20.17	3.01	1.30
STV KC311	1.12	83.9	30.2	10.0	68.0	7.7	4.00	1610	22.48	3.02	1.16
GEORGIA KING	1.12	83.9	28.7	9.9	67.9	7.3	4.15	1752	21.44	3.08	1.01
CHEMBRED 407	1.13	83.9	27.0	9.7	67.2	6.9	4.15	1660	21.81	3.01	1.32
STONEVILLE 453	1.10	84.0	26.3	10.0	68.6	7.5	4.00	1575	20.29	3.17	1.29
S-1001	1.14	84.0	29.4	10.0	68.3	7.8	4.25	1598	21.42	2.99	1.02
HS46	1.16	84.3	29.8	10.0	68.6	7.4	3.70	1598	20.97	3.02	1.18
CHEMBRED CB 333	1.12	83.3	25.6	9.8	67.1	7.4	3.95	1605	22.11	2.86	1.26
CB 1233	1.15	84.1	26.8	10.0	67.6	7.3	4.00	1669	21.53	2.92	1.24
DPL 5690	1.13	84.0	30.0	10.0	68.2	7.2	4.45	1616	21.99	2.88	1.15
DELTAPINE 50	1.14	84.1	23.5	10.0	68.8	7.3	4.05	1775	22.00	2.80	1.36
DELTAPINE 90	1.11	83.5	29.6	10.0	67.8	7.5	4.35	1636	21.69	2.99	1.26
PAYMASTER HS 26	1.07	83.5	28.0	11.0	64.6	7.2	4.00	1641	22.72	2.88	1.20
ACALA 1517-88	1.16	83.9	30.4	9.6	67.0	7.2	3.60	1274	20.76	3.37	0.88

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DES 119	.	.	.	.	.	.	.
SG 125	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
CHEMBRED CB 1135	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
GEORGIA KING	.	.	.	.	.	.	.
CHEMBRED 407	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
CHEMBRED CB 333	.	.	.	.	.	.	.
CB 1233	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
DELTAPINE 50	498	35.5	1.87	79	50.68	4.23	2.6
DELTAPINE 90	487	31.8	1.79	82	49.58	4.21	2.6
PAYMASTER HS 26	498	36.8	1.89	78	51.44	4.31	2.6
ACALA 1517-88	561	38.8	1.92	77	46.33	3.43	2.3

1994 DELTA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 DELTA 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STONEVILLE 453	1232	A	5.22	39.5	11.0	125	1.13	0.56	186	7.3	4.48
DELTAPINE 20	1231	A	5.44	38.9	10.6	124	1.15	0.56	185	8.3	4.14
STV LA 887	1219	A	5.64	40.1	11.2	144	1.17	0.57	208	7.5	4.16
CHEMBRED 232	1217	A	5.51	38.5	11.3	133	1.14	0.56	191	7.0	4.35
DES 119	1178	B A	4.91	39.7	10.6	130	1.15	0.58	200	7.7	4.48
DELTAPINE 50	1123	B A	5.67	37.0	10.8	121	1.17	0.55	190	8.0	4.24
PAYMASTER HS 26	1081	B A	5.45	37.4	11.9	134	1.14	0.57	211	7.7	4.49
DELTAPINE 90	1077	B A	5.35	39.1	10.3	133	1.14	0.56	205	6.8	4.38
DELTAPINE 5415	1053	B A	4.71	40.4	9.3	127	1.14	0.55	197	7.9	4.59
ACALA 1517-88	978	B	4.90	38.0	10.9	150	1.20	0.59	222	6.4	4.01

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)

STONEVILLE 453	1.11	84.2	25.7	9.7	73.4	7.7	4.45	1916	18.93	3.23	1.00
DELTAPINE 20	1.11	84.3	24.5	10.0	73.9	7.0	4.08	1967	19.46	3.05	1.04
STV LA 887	1.15	85.0	29.2	10.0	72.9	7.8	4.05	1842	19.21	3.16	1.00
CHEMBRED 232	1.14	84.3	26.5	9.7	73.1	7.1	4.30	1991	20.36	3.24	1.03
DES 119	1.15	85.5	27.5	10.0	71.6	7.7	4.39	1816	19.31	3.18	0.91
DELTAPINE 50	1.14	84.2	24.0	9.8	74.1	6.9	4.24	1869	20.52	3.10	0.99
PAYMASTER HS 26	1.09	84.7	29.1	10.0	72.9	7.0	4.41	1741	21.21	3.16	1.05
DELTAPINE 90	1.12	84.0	29.0	9.9	73.7	7.3	4.31	1738	20.34	3.17	1.01
DELTAPINE 5415	1.11	84.2	26.9	10.0	74.8	7.4	4.65	1529	17.70	3.06	0.97
ACALA 1517-88	1.19	85.1	32.2	9.8	71.9	7.1	3.90	1671	20.85	3.38	0.78

1994 DELTA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 20	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
DELTAPINE 50	489	33.2	1.81	81	49.87	4.22	2.65
PAYMASTER HS 26	464	29.0	1.74	84	50.15	4.46	2.80
DELTAPINE 90	488	31.8	1.78	82	49.11	4.19	2.68
DELTAPINE 5415	.	.	.	.	.	.	.
ACALA 1517-88	511	31.7	1.79	82	46.81	3.77	2.52

1994 DELTA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL	LINT PERCENT	SEED INDEX

DELTAPINE 50	5.67	A
STV LA 887	5.64	A
CHEMBRED 232	5.51	B A
PAYMASTER HS 26	5.45	B A
DELTAPINE 20	5.44	B A
DELTAPINE 90	5.35	B A
STONEVILLE 453	5.22	B A
DES 119	4.91	B A
ACALA 1517-88	4.90	B A
DELTAPINE 5415	4.71	B

YARN TENACITY

DELTAPINE 5415	40.4	A
STV LA 887	40.1	B A
DES 119	39.7	B A
STONEVILLE 453	39.5	B A C
DELTAPINE 90	39.1	B A C
DELTAPINE 20	38.9	B A C
CHEMBRED 232	38.5	B D C
ACALA 1517-88	38.0	D C
PAYMASTER HS 26	37.4	D
DELTAPINE 50	37.0	D

FIBROGRAPH--2.5% S. L.

PAYMASTER HS 26	11.9	A
CHEMBRED 232	11.3	B
STV LA 887	11.2	C B
STONEVILLE 453	11.0	C B D
ACALA 1517-88	10.9	C B D
DELTAPINE 50	10.8	C B D
DES 119	10.6	C D
DELTAPINE 20	10.6	C D
DELTAPINE 90	10.3	D
DELTAPINE 5415	9.3	E

FIBROGRAPH--50% S. L.

ACALA 1517-88	150	A
STV LA 887	144	A
PAYMASTER HS 26	134	B
CHEMBRED 232	133	C B
DELTAPINE 90	133	C B
DES 119	130	C B D
DELTAPINE 5415	127	C B D
STONEVILLE 453	125	C B D
DELTAPINE 20	124	C D
DELTAPINE 50	121	D

ACALA 1517-88	1.20	A
DELTAPINE 50	1.17	B
STV LA 887	1.17	C B
DELTAPINE 20	1.15	C B D
DES 119	1.15	C B D
CHEMBRED 232	1.14	C B D
DELTAPINE 90	1.14	C D
PAYMASTER HS 26	1.14	D
DELTAPINE 5415	1.14	D
STONEVILLE 453	1.13	D

ACALA 1517-88	0.59	A
DES 119	0.58	B A
PAYMASTER HS 26	0.57	B A
STV LA 887	0.57	B C
DELTAPINE 20	0.56	B C
DELTAPINE 90	0.56	B C
STONEVILLE 453	0.56	B C
CHEMBRED 232	0.56	B C
DELTAPINE 50	0.55	B C
DELTAPINE 5415	0.55	C

STELOMETER - T1

ACALA 1517-88	222	A
PAYMASTER HS 26	211	B A
STV LA 887	208	B A
DELTAPINE 90	205	B A C
DES 119	200	B C
DELTAPINE 5415	197	B C
CHEMBRED 232	191	B C
DELTAPINE 50	190	B C
STONEVILLE 453	186	C
DELTAPINE 20	185	C

STELOMETER - E1

DELTAPINE 20	8.3	A
DELTAPINE 50	8.0	B A
DELTAPINE 5415	7.9	B A C
PAYMASTER HS 26	7.7	B A C
DES 119	7.7	B A C
STV LA 887	7.5	B D C
STONEVILLE 453	7.3	E D C
CHEMBRED 232	7.0	E D
DELTAPINE 90	6.8	E F
ACALA 1517-88	6.4	F

MICRONAIRE

DELTAPINE 5415	4.59	A
PAYMASTER HS 26	4.49	B A
STONEVILLE 453	4.48	B A
DES 119	4.48	B A
DELTAPINE 90	4.38	B A
CHEMBRED 232	4.35	B A C
DELTAPINE 50	4.24	B A C
STV LA 887	4.16	B C
DELTAPINE 20	4.14	B C
ACALA 1517-88	4.01	C

2.5% S.L. (INCHES)

UR (PERCENT)

STRENGTH (G/TEX)

ACALA 1517-88	1.19	A
DES 119	1.15	B
STV LA 887	1.15	B
DELTAPINE 50	1.14	C B
CHEMBRED 232	1.14	C B D
DELTAPINE 90	1.12	C E D
DELTAPINE 20	1.11	E D
STONEVILLE 453	1.11	E D
DELTAPINE 5415	1.11	E D
PAYMASTER HS 26	1.09	E

E

PAYMASTER HS 26	10.0	A
DES 119	10.0	A
DELTAPINE 5415	10.0	A
DELTAPINE 20	10.0	A
STV LA 887	10.0	A
DELTAPINE 90	9.9	B A
ACALA 1517-88	9.8	B A
DELTAPINE 50	9.8	B A
STONEVILLE 453	9.7	B
CHEMBRED 232	9.7	B

MICRONAIRE (SL-HVI)

DELTAPINE 5415	4.65	A
STONEVILLE 453	4.45	B A
PAYMASTER HS 26	4.41	B A C
DES 119	4.39	B A C
DELTAPINE 90	4.31	B A C
CHEMBRED 232	4.30	B A C
DELTAPINE 50	4.24	B D C
DELTAPINE 20	4.08	D C
STV LA 887	4.05	D C
ACALA 1517-88	3.90	D

DES 119	85.5	A
ACALA 1517-88	85.1	B A
STV LA 887	85.0	B A
PAYMASTER HS 26	84.7	B A C
DELTAPINE 20	84.3	B C
CHEMBRED 232	84.3	B C
STONEVILLE 453	84.2	B C
DELTAPINE 50	84.2	B C
DELTAPINE 5415	84.2	B C
DELTAPINE 90	84.0	C

COLORIMETER - Rd

DELTAPINE 5415	74.8	A
DELTAPINE 50	74.1	B A
DELTAPINE 20	73.9	B A
DELTAPINE 90	73.7	B A
STONEVILLE 453	73.4	B A C
CHEMBRED 232	73.1	B D C
PAYMASTER HS 26	72.9	B D C
STV LA 887	72.9	B D C
ACALA 1517-88	71.9	D C
DES 119	71.6	D

OIL (PERCENT)

PAYMASTER HS 26	21.21	A
ACALA 1517-88	20.85	A
DELTAPINE 50	20.52	B A
CHEMBRED 232	20.36	B A C
DELTAPINE 90	20.34	B A C
DELTAPINE 20	19.46	B D C
DES 119	19.31	D C
STV LA 887	19.21	D
STONEVILLE 453	18.93	D
DELTAPINE 5415	17.70	E

ACALA 1517-88	32.2	A
STV LA 887	29.2	B
PAYMASTER HS 26	29.1	B
DELTAPINE 90	29.0	B
DES 119	27.5	C B
DELTAPINE 5415	26.9	C B D
CHEMBRED 232	26.5	C B D
STONEVILLE 453	25.7	C D
DELTAPINE 20	24.5	D
DELTAPINE 50	24.0	D

COLORIMETER - b

STV LA 887	7.8	A
DES 119	7.7	B A
STONEVILLE 453	7.7	B A
DELTAPINE 5415	7.4	B C
DELTAPINE 90	7.3	B C
ACALA 1517-88	7.1	D C
CHEMBRED 232	7.1	D C
DELTAPINE 20	7.0	D C
PAYMASTER HS 26	7.0	D C
DELTAPINE 50	6.9	D

NITROGEN (PERCENT)

ACALA 1517-88	3.38	A
CHEMBRED 232	3.24	B A
STONEVILLE 453	3.23	B A C
DES 119	3.18	B D C
DELTAPINE 90	3.17	B D C
PAYMASTER HS 26	3.16	B D C
STV LA 887	3.16	B D C
DELTAPINE 50	3.10	B D C
DELTAPINE 5415	3.06	D C
DELTAPINE 20	3.05	D

FREE GOSSYPOL (PERCENT)

PAYMASTER HS 26	1.05	A
DELTAPINE 20	1.04	A
CHEMBRED 232	1.03	A
DELTAPINE 90	1.01	A
STONEVILLE 453	1.00	A
STV LA 887	1.00	A
DELTAPINE 50	0.99	A
DELTAPINE 5415	0.97	A
DES 119	0.91	A
ACALA 1517-88	0.78	A

SEED YIELD (LB/ACRE)

CHEMBRED 232	1991	A
DELTAPINE 20	1967	A
STONEVILLE 453	1916	A
DELTAPINE 50	1869	B A
STV LA 887	1842	B A
DES 119	1816	B A
PAYMASTER HS 26	1741	B A
DELTAPINE 90	1738	B A
ACALA 1517-88	1671	B A
DELTAPINE 5415	1528	B

AREALOMETER - A (mm2/mm3)

ACALA 1517-88	511	A
DELTAPINE 50	489	B A
DELTAPINE 90	488	B A
PAYMASTER HS 26	464	B

AREALOMETER - D (mm2/mm3)

DELTAPINE 50	33.2	A
DELTAPINE 90	31.8	A
ACALA 1517-88	31.7	A
PAYMASTER HS 26	29.0	A

AREALOMETER - I

DELTAPINE 50	1.8	A
ACALA 1517-88	1.8	A
DELTAPINE 90	1.8	A
PAYMASTER HS 26	1.7	A

AREALOMETER - M (PERCENT)

PAYMASTER HS 26	84	A
DELTAPINE 90	82	A
ACALA 1517-88	82	A
DELTAPINE 50	81	A

AREALOMETER - p (Microns)

PAYMASTER HS 26	50.15	A
DELTAPINE 50	49.87	A
DELTAPINE 90	49.11	A
ACALA 1517-88	46.81	B

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.46	A
DELTAPINE 50	4.22	A
DELTAPINE 90	4.19	A
ACALA 1517-88	3.77	B

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.80	A
DELTAPINE 90	2.68	B A
DELTAPINE 50	2.65	B A

ACALA 1517-88 2.52 B

1994 DELTA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
SAINT JOSEPH, LA	1378	A	5.34	41.2	9.5	129	1.12	0.55	196	7.0	4.66
PORTAGEVILLE, MO	1184	B	.	41.5	11.8	136	1.19	0.59	208	7.7	4.51
STONEVILLE, MS	1085	B	5.14	37.1	11.2	126	1.10	0.54	198	7.6	4.18
CLARKEDALE, AR	934	C	5.41	36.2	10.4	139	1.20	0.59	197	7.6	3.91

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
SAINT JOSEPH, LA	1.10	85.0	25.6	10.0	78.6	7.7	4.80	1892	20.48	3.09	0.90
PORTAGEVILLE, MO	1.17	85.3	29.3	9.9	69.2	6.6	4.39	1719	20.28	3.24	1.06
STONEVILLE, MS	1.09	82.4	27.7	9.8	69.6	7.1	4.03	1865	18.59	3.16	0.90
CLARKEDALE, AR	1.17	85.7	27.5	9.9	76.0	7.9	3.84	1681	19.32	3.18	1.07

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

SAINT JOSEPH, LA	453	20.7	1.56	90	45.46	4.07	2.9
PORTAGEVILLE, MO	488	35.6	1.86	79	51.88	4.44	2.6
STONEVILLE, MS	493	33.5	1.83	80	50.01	4.22	2.6
CLARKEDALE, AR	523	36.3	1.87	79	48.40	3.86	2.5

1994 DELTA REGIONAL COTTON VARIETY TEST
SAINT JOSEPH, LA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STV LA 887	1522	A	6.13	43.7	9.9	138	1.12	0.54	200	6.5	4.65
STONEVILLE 453	1480	B A	5.34	42.5	10.5	121	1.09	0.53	178	6.9	5.00
DELTAPINE 20	1461	B A	5.43	41.7	9.4	122	1.11	0.54	185	8.0	4.45
DELTAPINE 5415	1460	B A	4.76	44.3	7.8	118	1.09	0.53	190	7.1	5.05
CHEMBRED 232	1421	B A C	5.53	39.5	9.7	123	1.13	0.55	175	7.0	4.60
DES 119	1415	B C	4.95	41.7	9.5	130	1.13	0.56	197	7.3	4.70
DELTAPINE 50	1382	B C	5.34	39.2	9.2	118	1.15	0.55	190	7.9	4.50
DELTAPINE 90	1328	C	5.00	41.8	8.7	132	1.11	0.55	212	6.8	4.75
PAYMASTER HS 26	1160	D	5.88	38.4	10.9	134	1.11	0.57	212	7.4	4.60
ACALA 1517-88	1149	D	5.08	39.7	9.5	153	1.17	0.57	224	5.5	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
STV LA 887	1.12	86.2	27.3	10.0	77.6	8.2	4.65	1885	20.17	3.10	0.81
STONEVILLE 453	1.08	84.0	23.3	9.7	77.5	8.2	5.20	1872	19.90	3.19	0.80
DELTAPINE 20	1.08	84.7	22.6	10.0	79.1	7.5	4.65	1959	19.78	2.99	0.68
DELTAPINE 5415	1.06	84.2	24.6	10.0	81.0	7.6	5.25	1748	18.33	3.07	0.84

CHEMBRED 232	1.12	85.3	22.5	10.0	80.3	7.7	4.80	2066	21.46	2.94	1.20
DES 119	1.14	86.4	25.5	10.0	76.4	8.1	4.85	1938	20.05	3.14	0.60
DELTAPINE 50	1.11	85.2	23.2	10.0	79.9	7.3	4.65	2074	21.35	2.96	1.06
DELTAPINE 90	1.10	84.4	28.5	9.9	78.8	7.7	4.95	1783	21.71	3.04	1.05
PAYMASTER HS 26	1.05	84.7	28.0	10.0	77.4	7.2	4.75	1823	21.48	3.12	1.14
ACALA 1517-88	1.18	85.2	30.6	9.9	77.8	7.6	4.25	1773	20.57	3.37	0.83

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV LA 887	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 20	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
DELTAPINE 50	447	19.3	1.53	92	44.93	4.05	3.0
DELTAPINE 90	445	21.5	1.58	90	46.84	4.27	3.0
PAYMASTER HS 26	439	22.3	1.60	89	48.25	4.47	3.0
ACALA 1517-88	483	19.8	1.54	91	41.83	3.50	2.7

1994 DELTA REGIONAL COTTON VARIETY TEST
STONEVILLE, MS

						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)
STV LA 887	1187	A	5.44	38.1	12.0	134	1.12	0.54	213	7.6	3.80
DELTAPINE 20	1138	B A	5.74	37.1	10.8	118	1.10	0.53	182	8.3	3.70
DES 119	1123	B A	4.87	38.2	10.7	122	1.09	0.55	212	7.6	4.40
CHEMBRED 232	1111	B	5.50	36.5	11.8	132	1.13	0.55	176	7.1	4.05
DELTAPINE 50	1110	B	5.46	35.3	11.4	117	1.11	0.53	185	8.0	4.05
PAYMASTER HS 26	1098	B	5.07	36.9	12.8	126	1.11	0.56	213	8.0	4.75
STONEVILLE 453	1093	B	5.32	37.5	11.3	111	1.08	0.53	180	7.4	4.35

DELTAPINE 90	1023	C	4.98	37.6	10.3	126	1.05	0.53	206	7.3	4.45
DELTAPINE 5415	996	C	4.24	37.7	9.5	118	1.07	0.53	198	8.3	4.50
ACALA 1517-88	970	C	4.78	36.4	11.5	154	1.16	0.55	214	6.3	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
STV LA 887	1.12	82.5	28.7	10.0	69.2	7.6	3.60	1985	17.59	3.06	1.02
DELTAPINE 20	1.08	81.7	24.5	9.9	70.1	6.9	3.55	1995	17.77	3.04	1.02
DES 119	1.08	82.8	28.7	10.0	66.2	7.5	4.20	1853	18.46	3.17	0.72
CHEMBRED 232	1.12	82.7	26.5	9.3	71.0	7.0	3.90	1915	18.88	3.38	0.92
DELTAPINE 50	1.12	81.4	23.9	9.6	71.0	6.9	3.85	2101	19.20	3.04	0.67
PAYMASTER HS 26	1.08	83.9	28.8	10.0	70.5	6.6	4.55	1777	21.05	3.31	0.90
STONEVILLE 453	1.05	82.1	24.8	9.6	69.0	7.6	4.30	1876	17.56	3.26	0.82
DELTAPINE 90	1.05	81.9	28.2	9.9	70.4	6.9	4.30	1798	20.41	3.10	0.92
DELTAPINE 5415	1.06	82.4	26.8	10.0	70.4	6.9	4.40	1569	16.72	3.04	0.95
ACALA 1517-88	1.16	82.7	36.1	10.0	67.9	7.0	3.60	1780	.	.	.

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV LA 887	.	.	.	.	.	.	.
DELTAPINE 20	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
DELTAPINE 50	513	40.0	1.95	76	51.77	4.23	2.5
PAYMASTER HS 26	451	27.8	1.72	85	50.94	4.65	2.9
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 90	476	30.0	1.76	83	49.63	4.30	2.7
DELTAPINE 5415	.	.	.	.	.	.	.
ACALA 1517-88	531	36.3	1.88	78	47.72	3.72	2.4

1994 DELTA REGIONAL COTTON VARIETY TEST
CLARKEDALE, AR

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 26	1097	A	5.58	36.1	11.1	144	1.18	0.58	211	7.3	4.15
DELTAPINE 20	1013	B A	5.02	35.8	10.3	130	1.21	0.60	188	8.5	4.10
ACALA 1517-88	964	B A	4.91	36.7	10.6	140	1.23	0.65	199	7.1	3.85
DELTAPINE 5415	956	B A	5.39	37.4	9.3	139	1.19	0.57	204	7.8	4.05
DELTAPINE 90	955	B A	6.25	34.8	10.7	133	1.19	0.58	176	7.1	3.60
DES 119	923	B A	4.95	37.3	10.9	138	1.20	0.59	203	7.9	4.20
STONEVILLE 453	880	B A	4.96	36.3	10.3	137	1.21	0.59	187	7.5	3.85
DELTAPINE 50	823	B A	6.96	32.0	10.2	127	1.23	0.60	193	8.0	3.80
STV LA 887	796	B	5.46	37.1	10.6	154	1.21	0.58	216	7.5	3.55

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)
PAYMASTER HS 26	1.12	85.2	30.1	10.0	75.5	8.1	4.15	1749	21.24	3.05	1.15
DELTAPINE 20	1.15	85.4	25.4	10.0	77.2	7.7	3.90	1909	19.38	3.01	1.20
ACALA 1517-88	1.21	86.8	26.8	9.8	74.0	7.4	3.70	1667	20.90	3.27	0.94
DELTAPINE 5415	1.17	85.2	27.4	10.0	77.5	8.1	4.10	1758	17.48	3.11	0.98
DELTAPINE 90	1.16	84.4	26.9	9.8	76.1	8.0	3.45	1943	18.85	3.35	1.03
DES 119	1.20	87.0	27.5	10.0	74.8	7.7	4.10	1586	19.34	3.26	1.07
STONEVILLE 453	1.18	85.3	27.9	9.8	75.8	8.2	3.80	1704	19.15	3.20	1.21
DELTAPINE 50	1.18	85.9	24.6	10.0	78.9	7.7	3.90	1148	18.69	3.19	0.83
STV LA 887	1.19	85.9	29.7	10.0	75.9	8.4	3.45	1400	18.56	3.17	1.15

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 26	484	30.0	1.76	83	48.78	4.16	2.7
DELTAPINE 20	.	.	.	.	.	.	.
ACALA 1517-88	527	35.0	1.86	79	47.51	3.74	2.4
DELTAPINE 5415	.	.	.	.	.	.	.
DELTAPINE 90	569	45.8	2.04	73	48.96	3.62	2.3
DES 119	.	.	.	.	.	.	.
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 50	503	32.5	1.81	81	48.33	3.97	2.6
STV LA 887	.	.	.	.	.	.	.

1994 DELTA REGIONAL COTTON VARIETY TEST
PORTAGEVILLE, MO

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STONEVILLE 453	1615	A	.	42.9	11.9	129	1.15	0.57	197	7.6	4.70
DELTAPINE 20	1403	B A	.	42.0	11.8	125	1.18	0.58	187	8.4	4.30
STV LA 887	1401	B A	.	44.5	12.5	148	1.21	0.61	206	8.3	4.65
DES 119	1304	B C	.	42.2	11.2	130	1.19	0.61	189	8.0	4.60
CHEMBRED 232	1223	B C	.	40.3	12.2	144	1.18	0.59	224	7.0	4.40
DELTAPINE 50	1189	B C D	.	39.7	12.1	126	1.21	0.57	195	8.3	4.40
DELTAPINE 90	1058	E C D	.	42.8	11.7	140	1.20	0.61	228	6.3	4.70
PAYMASTER HS 26	952	E D	.	38.3	12.6	132	1.15	0.59	207	8.3	4.45
DELTAPINE 5415	857	E	.	43.3	10.6	135	1.19	0.58	197	8.4	4.75
ACALA 1517-88	838	E	.	40.3	12.0	155	1.26	0.59	253	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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
STONEVILLE 453	1.16	85.6	27.1	9.9	71.2	6.7	4.50	2232	19.12	3.29	1.20
DELTAPINE 20	1.15	85.4	25.4	10.0	69.2	6.0	4.20	1991	20.90	3.15	1.25
STV LA 887	1.19	85.6	31.3	10.0	68.8	7.0	4.50	2215	20.53	3.34	1.03
DES 119	1.17	85.8	28.2	10.0	69.0	7.5	4.40	1870	19.40	3.14	1.25
CHEMBRED 232	1.18	84.9	30.5	9.8	68.2	6.6	4.20	2030	20.75	3.41	0.97
DELTAPINE 50	1.18	85.2	24.7	9.8	69.0	6.2	4.40	1677	21.27	3.23	1.16
DELTAPINE 90	1.17	85.4	32.4	10.0	69.7	6.7	4.55	1400	20.39	3.18	1.05
PAYMASTER HS 26	1.12	84.9	29.6	10.0	68.3	6.1	4.20	1597	21.09	3.16	1.00
DELTAPINE 5415	1.17	84.9	28.8	10.0	70.3	6.9	4.85	1021	18.30	3.03	1.11
ACALA 1517-88	1.21	85.9	35.4	9.8	68.2	6.6	4.05	1409	21.07	3.50	0.56

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 20	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
DES 119	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
DELTAPINE 50	500	40.8	1.96	75	53.70	4.51	2.6
DELTAPINE 90	462	29.8	1.76	83	51.02	4.56	2.8
PAYMASTER HS 26	484	36.0	1.87	79	52.64	4.54	2.7
DELTAPINE 5415	.	.	.	.	.	.	.
ACALA 1517-88	504	35.8	1.87	79	50.18	4.14	2.5

1994 CENTRAL REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 CENTRAL 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STV LA 887	1054	A	5.65	40.2	10.9	139	1.13	0.55	212	6.9	4.66
DELTAPINE 50	940	B A	5.25	36.3	10.5	118	1.13	0.55	190	8.3	4.85
DES 119	790	B C	4.39	39.4	9.8	131	1.12	0.56	202	7.8	4.68
DELTAPINE 90	790	B C	4.70	38.5	9.4	134	1.10	0.54	205	6.2	4.84
PAYMASTER HS 26	719	C	5.61	36.3	10.7	133	1.07	0.54	209	7.9	4.71
ACALA 1517-88	648	C	5.09	37.2	11.1	152	1.17	0.56	227	5.7	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
STV LA 887	1.14	83.3	31.2	10.1	68.6	7.9	4.78	1414	19.81	3.53	0.87
DELTAPINE 50	1.14	84.2	24.4	9.8	70.7	6.6	4.99	1636	20.64	3.41	0.94
DES 119	1.13	84.6	28.8	10.0	66.4	7.0	4.81	1014	19.41	3.53	0.89
DELTAPINE 90	1.10	83.0	30.9	9.7	69.7	7.2	4.99	1069	20.50	3.47	0.81
PAYMASTER HS 26	1.07	83.9	29.9	10.0	68.3	6.7	4.80	1065	21.00	3.51	0.91
ACALA 1517-88	1.19	84.0	35.4	9.9	68.2	7.4	4.53	938	20.75	3.62	0.69

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

STV LA 887	.	.	.	.	.	.	.
DELTAPINE 50	422	16.5	1.46	94	45.13	4.31	3.21
DES 119	.	.	.	.	.	.	.
DELTAPINE 90	429	15.6	1.43	95	43.57	4.09	3.21
PAYMASTER HS 26	438	20.6	1.55	91	46.45	4.30	3.05
ACALA 1517-88	456	18.1	1.50	93	43.00	3.80	2.92

1994 CENTRAL REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX	
STV LA 887	5.65	A	STV LA 887	40.2	A	ACALA 1517-88	11.1
PAYMASTER HS 26	5.61	A	DES 119	39.4	B A	STV LA 887	10.9
DELTAPINE 50	5.25	B A	DELTAPINE 90	38.5	B	PAYMASTER HS 26	10.7
ACALA 1517-88	5.09	B C	ACALA 1517-88	37.2	C	DELTAPINE 50	10.5
DELTAPINE 90	4.70	D C	DELTAPINE 50	36.3	C	DES 119	9.8
DES 119	4.39	D	PAYMASTER HS 26	36.3	C	DELTAPINE 90	9.4

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
ACALA 1517-88	152	A	ACALA 1517-88	1.17	A	ACALA 1517-88	0.56	A
STV LA 887	139	B	DELTAPINE 50	1.13	B	DES 119	0.56	B A
DELTAPINE 90	134	C B	STV LA 887	1.13	B	DELTAPINE 50	0.55	B A
PAYMASTER HS 26	133	C	DES 119	1.12	C B	STV LA 887	0.55	B A
DES 119	131	C	DELTAPINE 90	1.10	C D	PAYMASTER HS 26	0.54	B A
DELTAPINE 50	118	D	PAYMASTER HS 26	1.07	D	DELTAPINE 90	0.54	B

STELOMETER - T1			STELOMETER - E1			MICRONAIRE		
ACALA 1517-88	227	A	DELTAPINE 50	8.3	A	DELTAPINE 50	4.85	A
STV LA 887	212	B	PAYMASTER HS 26	7.9	A	DELTAPINE 90	4.84	A

PAYMASTER HS 26	209	B
DELTAPINE 90	205	B
DES 119	202	C B
DELTAPINE 50	190	C

DES 119	7.8	A
STV LA 887	6.9	B
DELTAPINE 90	6.2	C
ACALA 1517-88	5.7	C

PAYMASTER HS 26	4.71	A
DES 119	4.68	A
STV LA 887	4.66	A
ACALA 1517-88	4.40	B

2.5% S.L. (INCHES)

ACALA 1517-88	1.19	A
DELTAPINE 50	1.14	B
STV LA 887	1.14	B
DES 119	1.13	B
DELTAPINE 90	1.10	C B
PAYMASTER HS 26	1.07	C

UR (PERCENT)

DES 119	84.6	A
DELTAPINE 50	84.2	B A
ACALA 1517-88	84.0	B A C
PAYMASTER HS 26	83.9	B A C
STV LA 887	83.3	B C
DELTAPINE 90	83.0	C

STRENGTH (G/TEX)

ACALA 1517-88	35.4	A
STV LA 887	31.2	B
DELTAPINE 90	30.9	B
PAYMASTER HS 26	29.9	C B
DES 119	28.8	C
DELTAPINE 50	24.4	D

E

STV LA 887	10.1	A
PAYMASTER HS 26	10.0	A
DES 119	10.0	A
ACALA 1517-88	9.9	A
DELTAPINE 50	9.8	A
DELTAPINE 90	9.7	A

COLORIMETER - Rd

DELTAPINE 50	70.7	A
DELTAPINE 90	69.7	B A
STV LA 887	68.6	B
PAYMASTER HS 26	68.3	B
ACALA 1517-88	68.2	B
DES 119	66.4	C

COLORIMETER - b

STV LA 887	7.9	A
ACALA 1517-88	7.4	B
DELTAPINE 90	7.2	B
DES 119	7.0	C B
PAYMASTER HS 26	6.7	C
DELTAPINE 50	6.6	C

MICRONAIRE (SL-HVI)

DELTAPINE 90	4.99	A
DELTAPINE 50	4.99	A
DES 119	4.81	A
PAYMASTER HS 26	4.80	A
STV LA 887	4.78	A
ACALA 1517-88	4.53	B

OIL (PERCENT)

PAYMASTER HS 26	21.00	A
ACALA 1517-88	20.75	A
DELTAPINE 50	20.64	A
DELTAPINE 90	20.50	B A
STV LA 887	19.81	B C
DES 119	19.41	C

NITROGEN (PERCENT)

ACALA 1517-88	3.62	A
DES 119	3.53	B A
STV LA 887	3.53	B A
PAYMASTER HS 26	3.51	B A
DELTAPINE 90	3.47	B A
DELTAPINE 50	3.41	B

FREE GOSSYPOL (PERCENT)

SEED YIELD (LB/ACRE)

DELTAPINE 50	0.94		A
PAYMASTER HS 26	0.91		A
DES 119	0.89	B	A
STV LA 887	0.87	B	A
DELTAPINE 90	0.81	B	A
ACALA 1517-88	0.69	B	

DELTAPINE 50	1636		A
STV LA 887	1413	B	A
DELTAPINE 90	1068	B	C
PAYMASTER HS 26	1065	B	C
DES 119	1013	B	C
ACALA 1517-88	938		C

AREALOMETER - A (mm2/mm3)

ACALA 1517-88	456		A
PAYMASTER HS 26	438	B	A
DELTAPINE 90	429	B	
DELTAPINE 50	422	B	

AREALOMETER - D (mm2/mm3)

PAYMASTER HS 26	20.6		A
ACALA 1517-88	18.1		A
DELTAPINE 50	16.5		A
DELTAPINE 90	15.6		A

AREALOMETER - I

PAYMASTER HS 26	1.6		A
ACALA 1517-88	1.5		A
DELTAPINE 50	1.5		A
DELTAPINE 90	1.4		A

AREALOMETER - M (PERCENT)

DELTAPINE 90	95		A
DELTAPINE 50	94		A
ACALA 1517-88	93		A
PAYMASTER HS 26	91		A

AREALOMETER - p (Microns)

PAYMASTER HS 26	46.45		A
DELTAPINE 50	45.13	B	A
DELTAPINE 90	43.57	B	A
ACALA 1517-88	43.00	B	

AREALOMETER -w (MG/INCH)

DELTAPINE 50	4.31		A
PAYMASTER HS 26	4.30		A
DELTAPINE 90	4.09		A
ACALA 1517-88	3.80		B

AREALOMETER - t (MICRONS)

DELTAPINE 90	3.21		A
DELTAPINE 50	3.21		A
PAYMASTER HS 26	3.05		A
ACALA 1517-88	2.92		A

1994 CENTRAL REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
BOSSIER CITY, LA	1049	A	5.51	40.0	10.4	139	1.14	0.54	214	6.8	4.76
COLLEGE STATION, TX	743	B	5.35	37.6	.	132	1.13	0.55	209	7.1	4.98
BEEVILLE, TX	633	C B	4.74	37.7	.	130	1.08	0.54	206	7.3	4.99
WESLACO, TX	522	C	4.86	36.7	.	137	1.13	0.56	202	7.3	4.03

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	Colorimeter Rd	Colorimeter Hunter's b	E	Seed Data MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)
BOSSIER CITY, LA	1.15	85.5	27.7	73.8	7.6	10.0	4.96	1627	21.46	3.18	0.73
COLLEGE STATION, TX	1.14	83.1	32.0	67.7	6.1	9.9	5.11	1241	20.77	3.39	1.05
BEEVILLE, TX	1.08	83.0	31.0	67.5	7.6	10.1	5.13	1002	20.25	3.52	0.94
WESLACO, TX	1.14	83.6	29.8	65.7	7.1	9.6	4.06	887	18.93	3.95	0.69

LOCATION	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
BOSSIER CITY, LA	433	16.8	1.47	94	44.38	4.12	3.1
COLLEGE STATION, TX	409	12.1	1.35	98	42.91	4.19	3.4
BEEVILLE, TX	416	14.2	1.41	96	44.10	4.24	3.3
WESLACO, TX	486	27.6	1.71	85	46.77	3.94	2.7

1994 CENTRAL 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STV LA 887	1203	A	6.13	38.9	.	142	1.16	0.56	221	6.6	4.90
DELTAPINE 50	850	B A	5.16	36.3	.	109	1.11	0.53	187	8.3	5.20
PAYMASTER HS 26	689	B	5.90	35.2	.	133	1.09	0.57	216	8.0	4.90
DELTAPINE 90	670	B	5.00	38.3	.	130	1.08	0.52	193	6.3	5.20
DES 119	606	B	4.60	40.4	.	129	1.14	0.58	196	7.5	5.05
ACALA 1517-88	428	B	5.29	36.4	.	147	1.18	0.57	241	5.8	4.60

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)							Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
STV LA 887	1.17	82.5	34.6	10.0	66.2	7.1	5.05	2012	20.75	3.43	1.09
DELTAPINE 50	1.11	82.7	23.6	9.6	68.7	5.4	5.35	1892	20.55	3.30	1.19
PAYMASTER HS 26	1.10	84.3	31.7	10.0	68.2	5.7	4.90	1133	21.20	3.43	1.04
DELTAPINE 90	1.08	81.8	33.2	10.0	70.3	6.0	5.35	738	20.80	3.44	1.04
DES 119	1.16	83.6	31.6	10.0	65.5	6.1	5.20	951	20.44	3.37	1.20
ACALA 1517-88	1.21	84.1	37.4	10.0	67.4	6.3	4.80	717	20.90	3.38	0.74

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

STV LA 887	.	.	.	.	.	.	.
DELTAPINE 50	395	11.0	1.33	99	43.66	4.41	3.5
PAYMASTER HS 26	416	15.5	1.44	95	45.28	4.36	3.2
DELTAPINE 90	383	6.3	1.20	104	39.91	4.09	3.8
DES 119	.	.	.	.	.	.	.
ACALA 1517-88	441	15.8	1.45	95	42.80	3.89	3.0

1994 CENTRAL REGIONAL COTTON VARIETY TEST
WESLACO, TX

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 50	782	A	5.72	34.7	.	122	1.16	0.58	191	8.6	4.35
DELTAPINE 90	575	B	4.03	36.5	.	135	1.12	0.54	207	6.3	4.25
STV LA 887	511	C B	5.25	39.4	.	144	1.14	0.56	196	6.6	3.75
PAYMASTER HS 26	476	C B	5.43	35.1	.	130	1.06	0.54	202	8.1	4.05
ACALA 1517-88	437	C B	4.85	36.6	.	155	1.18	0.58	219	5.6	3.85
DES 119	349	C	3.90	38.0	.	136	1.12	0.57	199	8.8	3.95

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 50	1.18	84.5	24.6	9.6	67.9	6.5	4.35	1450	20.22	3.74	0.91
DELTAPINE 90	1.14	82.9	30.8	9.0	67.1	7.7	4.25	918	18.85	3.89	0.65
STV LA 887	1.17	83.7	31.2	9.8	67.1	7.7	3.85	847	17.60	4.16	0.61
PAYMASTER HS 26	1.07	83.8	29.1	9.9	64.3	7.0	4.05	860	19.58	3.85	0.74
ACALA 1517-88	1.21	83.3	35.9	9.7	64.4	7.3	4.00	711	19.90	3.93	0.58
DES 119	1.12	83.6	27.2	9.4	63.5	6.8	3.85	535	17.44	4.11	0.67

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 50	473	27.8	1.71	85	48.26	4.19	2.7
DELTAPINE 90	479	22.8	1.61	89	44.34	3.76	2.7
STV LA 887	.	.	.	.	.	.	.
PAYMASTER HS 26	503	36.3	1.88	78	50.67	4.20	2.6
ACALA 1517-88	491	23.8	1.63	88	43.80	3.63	2.7
DES 119	.	.	.	.	.	.	.

1994 CENTRAL REGIONAL COTTON VARIETY TEST
BOSSIER CITY, LA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
STV LA 887	1317	A	6.00	42.4	11.0	138	1.15	0.55	220	7.0	4.90
DELTAPINE 50	1119	B	5.39	38.7	10.6	124	1.15	0.54	189	7.5	4.80
DES 119	1117	B	4.94	40.6	9.9	133	1.15	0.55	210	7.3	4.75
DELTAPINE 90	985	C	5.37	40.9	9.4	140	1.12	0.55	220	5.8	4.65
PAYMASTER HS 26	891	D	5.82	38.4	10.8	136	1.10	0.53	214	7.9	5.00
ACALA 1517-88	862	D	5.56	39.0	11.1	161	1.19	0.55	229	5.1	4.45

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)

STV LA 887	1.15	84.9	28.2	10.5	73.9	8.1	4.90	1873	21.13	3.16	0.88
DELTAPINE 50	1.16	85.8	23.5	10.0	75.2	7.2	5.05	1856	21.39	3.04	0.56
DES 119	1.17	87.4	26.0	10.0	72.0	7.6	5.10	1705	20.58	3.15	0.70
DELTAPINE 90	1.12	84.7	28.8	10.0	74.0	7.3	5.00	1552	21.64	3.09	0.55
PAYMASTER HS 26	1.07	84.7	28.3	10.0	73.9	7.3	5.15	1393	22.31	3.26	0.90
ACALA 1517-88	1.21	85.6	31.5	9.8	73.7	7.9	4.55	1382	21.71	3.40	0.77

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
STV LA 887	.	.	.	.	.	.	.
DELTAPINE 50	417	12.8	1.38	97	42.81	4.09	3.3
DES 119	.	.	.	.	.	.	.
DELTAPINE 90	444	20.0	1.55	91	45.95	4.19	3.0
PAYMASTER HS 26	411	16.0	1.45	95	46.18	4.51	3.3
ACALA 1517-88	461	18.3	1.50	93	42.57	3.70	2.9

1994 CENTRAL REGIONAL COTTON VARIETY TEST
BEEVILLE, TX

						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)
DELTAPINE 50	739	A	4.74	35.7	.	117	1.11	0.55	195	8.6	5.05
STV LA 887	696	A	5.21	40.1	.	132	1.07	0.54	213	7.3	5.10
DELTAPINE 90	641	A	4.43	38.6	.	130	1.07	0.54	202	6.4	5.25
DES 119	607	A	4.12	38.8	.	125	1.07	0.55	203	7.5	4.95
ACALA 1517-88	581	A	4.65	36.8	.	145	1.14	0.56	220	6.1	4.70
PAYMASTER HS 26	534	A	5.31	36.5	.	131	1.04	0.52	205	7.8	4.90

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 50	1.10	83.8	26.0	10.0	71.2	7.3	5.20	1347	20.43	3.58	1.11
STV LA 887	1.07	82.2	31.1	10.0	67.3	8.7	5.30	921	19.79	3.38	0.92
DELTAPINE 90	1.08	82.6	30.9	9.9	67.6	7.7	5.35	1067	20.72	3.45	0.99
DES 119	1.07	84.0	30.4	10.5	64.8	7.5	5.10	864	19.18	3.50	0.98
ACALA 1517-88	1.15	83.0	37.1	10.0	67.5	8.0	4.75	940	20.49	3.76	0.66
PAYMASTER HS 26	1.05	82.8	30.7	10.0	66.7	6.9	5.10	874	20.90	3.49	0.97

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 50	403	14.5	1.42	96	45.80	4.55	3.4
STV LA 887	.	.	.	.	.	.	.
DELTAPINE 90	409	13.3	1.39	97	44.08	4.31	3.3
DES 119	.	.	.	.	.	.	.
ACALA 1517-88	430	14.5	1.42	96	42.85	3.98	3.1
PAYMASTER HS 26	423	14.5	1.42	96	43.69	4.14	3.2

1994 BLACKLAND REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 26	649	A	5.09	37.7	.	139	1.04	0.54	222	8.2	4.45
DELTAPINE 50	575	A	4.67	36.3	.	119	1.08	0.53	172	7.7	4.58
STONEVILLE 453	509	A	4.78	40.5	.	119	1.07	0.52	188	7.1	4.43
ACALA 1517-88	478	A	4.30	38.1	.	158	1.12	0.56	238	5.7	4.23
TAMCOT HQ95	475	A	4.63	38.4	.	121	1.05	0.51	180	6.9	4.08
DELTAPINE 90	470	A	4.31	39.3	.	137	1.06	0.55	214	6.5	4.60

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER HS 26	1.02	83.1	33.1	10.0	67.8	7.7	4.55	1011	18.45	3.57	0.66
DELTAPINE 50	1.06	82.7	23.9	9.2	68.4	7.5	4.73	989	17.67	3.48	0.63
STONEVILLE 453	1.07	82.8	24.9	9.0	66.7	7.6	4.50	824	16.57	3.62	0.63
ACALA 1517-88	1.13	83.2	37.7	9.8	65.7	7.8	4.20	777	18.58	3.64	0.52
TAMCOT HQ95	1.03	81.9	25.2	8.4	67.9	7.8	4.03	772	18.77	3.70	0.53
DELTAPINE 90	1.05	82.7	32.3	9.7	68.7	7.8	4.78	735	18.34	3.58	0.66

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

PAYMASTER HS 26	456	24.1	1.64	88	47.66	4.27	2.86
DELTAPINE 50	444	21.0	1.57	90	46.63	4.26	2.95
STONEVILLE 453	.	.	.	.	.	.	.
ACALA 1517-88	466	16.8	1.47	94	41.16	3.54	2.85
TAMCOT HQ95	.	.	.	.	.	.	.
DELTAPINE 90	435	16.1	1.46	94	43.66	4.03	3.08

1994 BLACKLAND REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL		
PAYMASTER HS 26	5.09	A
STONEVILLE 453	4.78	B A
DELTAPINE 50	4.67	B A C
TAMCOT HQ95	4.63	B C
DELTAPINE 90	4.31	C
ACALA 1517-88	4.30	C

LINT PERCENT		
STONEVILLE 453	40.5	A
DELTAPINE 90	39.3	B A
TAMCOT HQ95	38.4	B
ACALA 1517-88	38.1	B
PAYMASTER HS 26	37.7	B C
DELTAPINE 50	36.3	C

YARN TENACITY		
ACALA 1517-88	158	A
PAYMASTER HS 26	139	B
DELTAPINE 90	137	C B
TAMCOT HQ95	121	C D
STONEVILLE 453	119	D
DELTAPINE 50	119	D

FIBROGRAPH--2.5% S. L.		
ACALA 1517-88	1.12	A
DELTAPINE 50	1.08	B A
STONEVILLE 453	1.07	B A
DELTAPINE 90	1.06	B A
TAMCOT HQ95	1.05	B
PAYMASTER HS 26	1.04	B

FIBROGRAPH--50% S. L.		
ACALA 1517-88	0.56	A
DELTAPINE 90	0.55	A
PAYMASTER HS 26	0.54	A
DELTAPINE 50	0.53	A
STONEVILLE 453	0.52	A
TAMCOT HQ95	0.51	A

STELOMETER - T1		
ACALA 1517-88	238	A
PAYMASTER HS 26	222	A
DELTAPINE 90	214	B A
STONEVILLE 453	188	B C
TAMCOT HQ95	180	C
DELTAPINE 50	172	C

STELOMETER - E1		
PAYMASTER HS 26	8.2	A
DELTAPINE 50	7.7	B A
STONEVILLE 453	7.1	B C
TAMCOT HQ95	6.9	B C
DELTAPINE 90	6.5	D C
ACALA 1517-88	5.7	D

MICRONAIRE		
DELTAPINE 90	4.60	A
DELTAPINE 50	4.58	A
PAYMASTER HS 26	4.45	B A
STONEVILLE 453	4.43	B A
ACALA 1517-88	4.23	B A
TAMCOT HQ95	4.08	B

2.5% S.L. (INCHES)		
ACALA 1517-88	1.13	A
STONEVILLE 453	1.07	B
DELTAPINE 50	1.06	C
DELTAPINE 90	1.05	C
TAMCOT HQ95	1.03	D
PAYMASTER HS 26	1.02	D

UR (PERCENT)		
ACALA 1517-88	83.2	A
PAYMASTER HS 26	83.1	A
STONEVILLE 453	82.8	B A
DELTAPINE 50	82.7	B A
DELTAPINE 90	82.7	B A
TAMCOT HQ95	81.9	B

STRENGTH (G/TEX)		
ACALA 1517-88	37.7	A
PAYMASTER HS 26	33.1	B
DELTAPINE 90	32.3	B
TAMCOT HQ95	25.2	C
STONEVILLE 453	24.9	C
DELTAPINE 50	23.9	C

E		
PAYMASTER HS 26	10.0	A
ACALA 1517-88	9.8	B A
DELTAPINE 90	9.7	B A
DELTAPINE 50	9.2	B A C
STONEVILLE 453	9.0	B C
TAMCOT HQ95	8.4	C

COLORIMETER - Rd		
DELTAPINE 90	68.7	A
DELTAPINE 50	68.4	A
TAMCOT HQ95	67.9	A
PAYMASTER HS 26	67.8	A
STONEVILLE 453	66.7	A
ACALA 1517-88	65.7	A

COLORIMETER - b		
DELTAPINE 90	7.8	A
TAMCOT HQ95	7.8	A
ACALA 1517-88	7.8	A
PAYMASTER HS 26	7.7	A
STONEVILLE 453	7.6	A
DELTAPINE 50	7.5	A

MICRONAIRE (SL-HVI)		
DELTAPINE 90	4.78	A
DELTAPINE 50	4.73	A
PAYMASTER HS 26	4.55	A
STONEVILLE 453	4.50	B A
ACALA 1517-88	4.20	B C
TAMCOT HQ95	4.03	C

OIL (PERCENT)		
TAMCOT HQ95	18.77	A
ACALA 1517-88	18.58	A
PAYMASTER HS 26	18.45	A
DELTAPINE 90	18.34	A
DELTAPINE 50	17.67	B A
STONEVILLE 453	16.57	B

NITROGEN (PERCENT)		
TAMCOT HQ95	3.70	A
ACALA 1517-88	3.64	B
STONEVILLE 453	3.62	C B
DELTAPINE 90	3.58	C
PAYMASTER HS 26	3.57	C
DELTAPINE 50	3.48	D

FREE GOSSYPOL (PERCENT)		
PAYMASTER HS 26	0.66	A
DELTAPINE 90	0.66	A
DELTAPINE 50	0.63	A
STONEVILLE 453	0.63	A

SEED YIELD (LB/ACRE)		
PAYMASTER HS 26	1010	A
DELTAPINE 50	989	A
STONEVILLE 453	824	A
ACALA 1517-88	777	A

TAMCOT HQ95	0.53	A	TAMCOT HQ95	772	A
ACALA 1517-88	0.52	A	DELTAPINE 90	735	A

AREALOMETER - A (mm2/mm3)			AREALOMETER - D (mm2/mm3)			AREALOMETER - I		
ACALA 1517-88	466	A	PAYMASTER HS 26	24.1	A	PAYMASTER HS 26	1.6	A
PAYMASTER HS 26	456	A	DELTAPINE 50	21.0	A	DELTAPINE 50	1.6	A
DELTAPINE 50	444	A	ACALA 1517-88	16.8	A	ACALA 1517-88	1.5	A
DELTAPINE 90	435	A	DELTAPINE 90	16.1	A	DELTAPINE 90	1.5	A

AREALOMETER - M (PERCENT)			AREALOMETER - p (Microns)			AREALOMETER -w (MG/INCH)		
DELTAPINE 90	94	A	PAYMASTER HS 26	47.66	A	PAYMASTER HS 26	4.27	A
ACALA 1517-88	94	A	DELTAPINE 50	46.63	B A	DELTAPINE 50	4.26	A
DELTAPINE 50	90	A	DELTAPINE 90	43.66	B A	DELTAPINE 90	4.03	B A
PAYMASTER HS 26	88	A	ACALA 1517-88	41.16	B	ACALA 1517-88	3.54	B

AREALOMETER - t (MICRONS)		
DELTAPINE 90	3.08	A
DELTAPINE 50	2.95	A
PAYMASTER HS 26	2.86	A
ACALA 1517-88	2.85	A

1994 BLACKLAND REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DALLAS, TX	694	A	4.97	38.0	.	135	1.10	0.55	206	7.2	4.49
THRALL, TX	384	B	4.29	38.7	.	130	1.04	0.52	199	6.9	4.29

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						---------- Seed Data --------			
LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DALLAS, TX	1.09	83.1	29.8	9.6	71.1	7.5	4.58	1101	18.20	3.52	0.76
THRALL, TX	1.03	82.4	29.2	9.1	64.0	7.9	4.34	568	17.93	3.68	0.45

	Arealometer Data						
LOCATION	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DALLAS, TX	451	20.3	1.55	91	45.44	4.09	2.9
THRALL, TX	449	18.7	1.51	92	44.12	3.95	3.0

1994 BLACKLAND REGIONAL COTTON VARIETY TEST
DALLAS, TX

VARIETY	LINT YIELD		BOLL SIZE	LINT	SEED	YARN TENACITY	Digital Fibrograph 2.5% S.L.	Digital Fibrograph 50% S.L.	Stelometer T1	Stelometer E1	MICRONAIRE

	(lb/acre)		(g/boll)	PERCENT	INDEX	(mN/tex)	(inches)	(inches)	(mN/tex)	(%)	(Reading)
PAYMASTER HS 26	868	A	5.65	37.3	.	140	1.10	0.58	217	8.5	4.60
STONEVILLE 453	747	B A	5.08	39.8	.	124	1.10	0.55	197	7.3	4.60
DELTAPINE 50	719	B A	4.87	35.6	.	120	1.10	0.54	178	7.9	4.80
ACALA 1517-88	640	B A C	4.64	37.6	.	153	1.16	0.58	229	6.0	4.30
DELTAPINE 90	594	B C	4.66	39.9	.	140	1.07	0.54	219	6.8	4.50
TAMCOT HQ95	475	C	4.91	38.1	.	130	1.10	0.53	194	6.6	4.15

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						---------- Seed Data --------			
VARIETY	2.5% S.L. UNIFORMITY (inches)	(%)	STRENGTH (g/tex)	E	Colorimeter Rd	Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER HS 26	1.06	83.3	33.0	10.0	69.4	7.4	4.60	1506	18.56	3.49	0.85
STONEVILLE 453	1.10	83.0	24.8	9.3	70.5	7.5	4.70	1131	16.49	3.53	0.77
DELTAPINE 50	1.10	83.4	25.0	9.7	72.4	7.4	4.95	1193	17.92	3.40	0.82
ACALA 1517-88	1.17	83.9	36.9	9.8	69.9	7.8	4.20	1150	18.85	3.58	0.69
DELTAPINE 90	1.08	82.9	32.7	9.9	72.4	7.8	4.90	852	18.04	3.49	0.75
TAMCOT HQ95	1.07	82.0	26.8	9.0	72.0	7.3	4.15	772	19.35	3.64	0.70

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 26	456	23.5	1.63	88	47.31	4.23	2.9
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 50	430	19.5	1.54	91	47.05	4.43	3.1
ACALA 1517-88	478	18.0	1.50	93	41.05	3.45	2.8
DELTAPINE 90	442	20.3	1.56	91	46.34	4.25	3.0
TAMCOT HQ95	.	.	.	.	.	.	.

1994 BLACKLAND REGIONAL COTTON VARIETY TEST
THRALL, TX

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 50	431	A	4.47	36.9	.	118	1.06	0.53	166	7.5	4.35
STONEVILLE 453	390	A	4.48	41.2	.	115	1.04	0.50	179	7.0	4.25
DELTAPINE 90	378	A	3.96	38.8	.	134	1.06	0.55	210	6.3	4.70
PAYMASTER HS 26	357	A	4.54	38.1	.	137	0.99	0.50	226	7.9	4.30
ACALA 1517-88	357	A	3.96	38.7	.	162	1.09	0.54	246	5.4	4.15
TAMCOT HQ95	.		4.35	38.6	.	112	1.00	0.49	166	7.3	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 50	1.02	82.1	22.9	8.7	64.4	7.7	4.50	785	17.42	3.57	0.44
STONEVILLE 453	1.05	82.7	25.1	8.6	62.9	7.8	4.30	516	16.65	3.71	0.49
DELTAPINE 90	1.02	82.4	31.8	9.5	65.1	7.9	4.65	619	18.64	3.67	0.56
PAYMASTER HS 26	0.99	82.9	33.3	10.0	66.2	8.1	4.50	516	18.35	3.66	0.47
ACALA 1517-88	1.10	82.5	38.6	9.7	61.6	7.8	4.20	402	18.32	3.69	0.36
TAMCOT HQ95	1.00	81.7	23.7	7.9	63.9	8.4	3.90	.	18.19	3.77	0.36

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

DELTAPINE 50	459	22.5	1.61	89	46.22	4.09	2.8
STONEVILLE 453	.	.	.	.	.	.	.
DELTAPINE 90	428	12.0	1.36	98	40.99	3.80	3.2
PAYMASTER HS 26	456	24.8	1.65	87	48.01	4.30	2.9
ACALA 1517-88	455	15.5	1.44	95	41.26	3.62	2.9
TAMCOT HQ95	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 PLAINS 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 200	741	A	5.03	37.0	10.2	127	1.06	0.51	202	7.4	4.28
PAYMASTER 147	730	A	5.69	38.1	10.8	107	1.02	0.50	181	7.6	4.40
DELTAPINE 90	720	B A	4.41	38.9	9.1	132	1.07	0.51	212	7.2	4.53
PAYMASTER HS 26	720	B A	5.28	36.7	10.7	128	1.03	0.52	213	8.4	4.58
TAMCOT CD3H	704	B A C	4.84	39.0	9.3	106	0.99	0.48	166	6.9	4.10
G+P 3774	703	B A C	5.51	36.8	10.9	108	1.07	0.51	173	7.5	4.08
SOUTHLAND 400	684	B A C	5.39	35.6	11.0	132	1.04	0.52	207	6.4	4.51
LANKART 142	684	B A C	5.93	38.1	11.4	118	1.04	0.51	183	7.1	4.34
DELTAPINE 50	677	B A C	4.38	36.5	9.8	112	1.06	0.51	179	8.3	4.55
ALL-TEX QUICKIE	665	B A C	5.09	37.3	10.6	128	1.05	0.51	188	6.7	4.13
HOLLAND 1919	644	B C	5.24	37.5	10.2	118	1.04	0.50	182	7.4	4.05
ACALA 1517-88	634	C	4.81	37.9	10.9	152	1.14	0.55	234	6.0	4.28

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER HS 200	1.05	81.9	29.1	10.0	74.1	8.2	4.49	1234	19.58	3.62	0.80
PAYMASTER 147	0.98	81.5	25.8	10.3	74.1	8.5	4.50	1319	19.06	3.58	0.72
DELTAPINE 90	1.06	82.2	31.2	10.3	75.3	8.1	4.59	1151	20.31	3.54	0.91
PAYMASTER HS 26	1.02	82.6	31.1	11.0	73.4	8.0	4.73	1280	20.79	3.50	0.88
TAMCOT CD3H	0.96	80.0	23.6	9.3	73.4	8.4	4.21	1157	20.00	3.68	0.52
G+P 3774	1.06	81.1	24.4	9.8	75.0	8.0	4.11	1249	19.66	3.64	0.64
SOUTHLAND 400	1.01	81.6	31.2	10.0	74.6	8.4	4.68	1256	19.91	3.67	0.63
LANKART 142	1.03	81.3	26.8	10.1	74.7	8.5	4.44	1162	20.11	3.64	0.57
DELTAPINE 50	1.05	82.4	26.0	10.3	75.2	8.3	4.76	1137	19.14	3.50	0.83
ALL-TEX QUICKIE	1.04	81.4	26.2	9.7	74.9	8.1	4.29	1138	20.55	3.61	0.66
HOLLAND 1919	1.04	81.6	25.8	10.1	75.5	8.0	4.21	1109	19.58	3.64	0.57
ACALA 1517-88	1.13	83.0	33.1	10.0	74.2	8.4	4.38	1046	20.66	3.67	0.61

1994 PLAINS REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 200	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.
DELTAPINE 90	456	19.9	1.54	91	44.30	3.95	2.93
PAYMASTER HS 26	436	20.0	1.55	91	46.72	4.34	3.02
TAMCOT CD3H	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.

LANKART 142	.	.	.	.	.	.	.
DELTAPINE 50	448	23.8	1.63	88	48.26	4.41	2.94
ALL-TEX QUICKIE	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.
ACALA 1517-88	465	17.2	1.48	94	41.47	3.58	2.88

1994 PLAINS REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
LANKART 142	5.93	A	TAMCOT CD3H	39.0	A	LANKART 142	11.4	A
PAYMASTER 147	5.69	B A	DELTAPINE 90	38.9	B A	SOUTHLAND 400	11.0	B A
G+P 3774	5.51	B C	PAYMASTER 147	38.1	B A C	G+P 3774	10.9	B A
SOUTHLAND 400	5.39	B C D	LANKART 142	38.1	B C	ACALA 1517-88	10.9	B A
PAYMASTER HS 26	5.28	C D	ACALA 1517-88	37.9	C	PAYMASTER 147	10.8	B A
HOLLAND 1919	5.24	C D	HOLLAND 1919	37.5	D C	PAYMASTER HS 26	10.7	B C
ALL-TEX QUICKIE	5.09	E D	ALL-TEX QUICKIE	37.3	E D C	ALL-TEX QUICKIE	10.6	B C
PAYMASTER HS 200	5.03	E D	PAYMASTER HS 200	37.0	E D	HOLLAND 1919	10.2	D C
TAMCOT CD3H	4.84	E	G+P 3774	36.8	E D	PAYMASTER HS 200	10.2	D C
ACALA 1517-88	4.81	E	PAYMASTER HS 26	36.7	E D	DELTAPINE 50	9.8	D E
DELTAPINE 90	4.41	F	DELTAPINE 50	36.5	E	TAMCOT CD3H	9.3	F E
DELTAPINE 50	4.38	F	SOUTHLAND 400	35.6	F	DELTAPINE 90	9.1	F

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
ACALA 1517-88	152	A	ACALA 1517-88	1.14	A	ACALA 1517-88	0.55	A
DELTAPINE 90	132	B	DELTAPINE 90	1.07	B	PAYMASTER HS 26	0.52	B
SOUTHLAND 400	132	B	G+P 3774	1.07	B	SOUTHLAND 400	0.52	B
ALL-TEX QUICKIE	128	B	DELTAPINE 50	1.06	C B	DELTAPINE 90	0.51	B
PAYMASTER HS 26	128	B	PAYMASTER HS 200	1.06	C B	G+P 3774	0.51	B
PAYMASTER HS 200	127	B	ALL-TEX QUICKIE	1.05	C B D	DELTAPINE 50	0.51	B
HOLLAND 1919	118	C	HOLLAND 1919	1.04	C B D	ALL-TEX QUICKIE	0.51	B
LANKART 142	118	C	LANKART 142	1.04	C D	LANKART 142	0.51	B
DELTAPINE 50	112	D C	SOUTHLAND 400	1.04	C D	PAYMASTER HS 200	0.51	B
G+P 3774	108	D	PAYMASTER HS 26	1.03	C D	HOLLAND 1919	0.50	B
PAYMASTER 147	107	D	PAYMASTER 147	1.02	D	PAYMASTER 147	0.50	B
TAMCOT CD3H	106	D	TAMCOT CD3H	0.99	E	TAMCOT CD3H	0.48	C

STELOMETER - T1

ACALA 1517-88	234	A
PAYMASTER HS 26	213	B
DELTAPINE 90	212	B
SOUTHLAND 400	207	B
PAYMASTER HS 200	202	B
ALL-TEX QUICKIE	188	C
LANKART 142	183	D C
HOLLAND 1919	182	D C
PAYMASTER 147	181	D C
DELTAPINE 50	179	D C
G+P 3774	173	D E
TAMCOT CD3H	166	E

STELOMETER - E1

PAYMASTER HS 26	8.4	A
DELTAPINE 50	8.3	A
PAYMASTER 147	7.6	B
G+P 3774	7.5	C B
HOLLAND 1919	7.4	C B
PAYMASTER HS 200	7.4	C B
DELTAPINE 90	7.2	C B D
LANKART 142	7.1	C B D
TAMCOT CD3H	6.9	C E D
ALL-TEX QUICKIE	6.7	E D
SOUTHLAND 400	6.4	F E
ACALA 1517-88	6.0	F

MICRONAIRE

PAYMASTER HS 26	4.58	A
DELTAPINE 50	4.55	A
DELTAPINE 90	4.53	A
SOUTHLAND 400	4.51	A
PAYMASTER 147	4.40	B A
LANKART 142	4.34	B A
ACALA 1517-88	4.28	B A
PAYMASTER HS 200	4.28	B A
ALL-TEX QUICKIE	4.13	B
TAMCOT CD3H	4.10	B
G+P 3774	4.08	B
HOLLAND 1919	4.05	B

2.5% S.L. (INCHES)

ACALA 1517-88	1.13	A
DELTAPINE 90	1.06	B
G+P 3774	1.06	B
DELTAPINE 50	1.05	C B
PAYMASTER HS 200	1.05	C B
ALL-TEX QUICKIE	1.04	C B D
HOLLAND 1919	1.04	C B D
LANKART 142	1.03	C B D
PAYMASTER HS 26	1.02	C D
SOUTHLAND 400	1.01	D
PAYMASTER 147	0.98	E
TAMCOT CD3H	0.96	E

UR (PERCENT)

ACALA 1517-88	83.0	A
PAYMASTER HS 26	82.6	B A
DELTAPINE 50	82.4	B A C
DELTAPINE 90	82.2	DB A C
PAYMASTER HS 200	81.9	DB E C
HOLLAND 1919	81.6	D E C
SOUTHLAND 400	81.6	D E C
PAYMASTER 147	81.5	D E C
ALL-TEX QUICKIE	81.4	D E
LANKART 142	81.3	D E
G+P 3774	81.1	E
TAMCOT CD3H	80.0	F

STRENGTH (G/TEX)

ACALA 1517-88	33.1	A
SOUTHLAND 400	31.2	B
DELTAPINE 90	31.2	B
PAYMASTER HS 26	31.1	B
PAYMASTER HS 200	29.1	C
LANKART 142	26.8	D
ALL-TEX QUICKIE	26.2	D
DELTAPINE 50	26.0	D
HOLLAND 1919	25.8	D
PAYMASTER 147	25.8	D
G+P 3774	24.4	E
TAMCOT CD3H	23.6	E

E

PAYMASTER HS 26	11.0	A
DELTAPINE 90	10.3	B
DELTAPINE 50	10.3	B
PAYMASTER 147	10.3	B
LANKART 142	10.1	C B
HOLLAND 1919	10.1	C B D

COLORIMETER - Rd

HOLLAND 1919	75.5	A
DELTAPINE 90	75.3	B A
DELTAPINE 50	75.2	B A
G+P 3774	75.0	B A
ALL-TEX QUICKIE	74.9	B A
LANKART 142	74.7	B A

COLORIMETER - b

LANKART 142	8.5	A
PAYMASTER 147	8.5	A
SOUTHLAND 400	8.4	A
ACALA 1517-88	8.4	B A
TAMCOT CD3H	8.4	B A
DELTAPINE 50	8.3	B A

SOUTHLAND 400	10.0	C B D
ACALA 1517-88	10.0	C B D
PAYMASTER HS 200	10.0	C B D
G+P 3774	9.8	C D
ALL-TEX QUICKIE	9.7	D
TAMCOT CD3H	9.3	E

SOUTHLAND 400	74.6	B A
ACALA 1517-88	74.2	B A
PAYMASTER HS 200	74.1	B A
PAYMASTER 147	74.1	B A
PAYMASTER HS 26	73.4	B
TAMCOT CD3H	73.4	B

PAYMASTER HS 200	8.2	B A
ALL-TEX QUICKIE	8.1	B A
DELTAPINE 90	8.1	B A
G+P 3774	8.0	B
PAYMASTER HS 26	8.0	B
HOLLAND 1919	8.0	B

MICRONAIRE (SL-HVI)

DELTAPINE 50	4.76	A
PAYMASTER HS 26	4.73	A
SOUTHLAND 400	4.68	B A
DELTAPINE 90	4.59	B A C
PAYMASTER 147	4.50	DB A C
PAYMASTER HS 200	4.49	DB A C
LANKART 142	4.44	DB A C
ACALA 1517-88	4.38	DB A C
ALL-TEX QUICKIE	4.29	DB C
TAMCOT CD3H	4.21	D C
HOLLAND 1919	4.21	D C
G+P 3774	4.11	D

OIL (PERCENT)

PAYMASTER HS 26	20.79	A
ACALA 1517-88	20.66	B A
ALL-TEX QUICKIE	20.55	B A
DELTAPINE 90	20.31	B A C
LANKART 142	20.11	B A C
TAMCOT CD3H	20.00	B A C
SOUTHLAND 400	19.91	B D C
G+P 3774	19.66	E D C
HOLLAND 1919	19.58	E D C
PAYMASTER HS 200	19.58	E D C
DELTAPINE 50	19.14	E D
PAYMASTER 147	19.06	E

NITROGEN (PERCENT)

TAMCOT CD3H	3.68	A
ACALA 1517-88	3.67	B A
SOUTHLAND 400	3.67	B A
G+P 3774	3.64	B A
HOLLAND 1919	3.64	B A
LANKART 142	3.64	B A
PAYMASTER HS 200	3.62	B A
ALL-TEX QUICKIE	3.61	B A
PAYMASTER 147	3.58	B A
DELTAPINE 90	3.54	B A
PAYMASTER HS 26	3.50	B
DELTAPINE 50	3.50	B

FREE GOSSYPOL (PERCENT)

DELTAPINE 90	0.91	A
PAYMASTER HS 26	0.88	B A
DELTAPINE 50	0.83	B A C
PAYMASTER HS 200	0.80	B C
PAYMASTER 147	0.72	D C
ALL-TEX QUICKIE	0.66	E D
G+P 3774	0.64	E D F
SOUTHLAND 400	0.63	E D F
ACALA 1517-88	0.61	E D F
HOLLAND 1919	0.57	E F
LANKART 142	0.57	E F
TAMCOT CD3H	0.52	F

SEED YIELD (LB/ACRE)

PAYMASTER 147	1319	A
PAYMASTER HS 26	1279	A
SOUTHLAND 400	1255	B A
G+P 3774	1249	B A
PAYMASTER HS 200	1234	B A
LANKART 142	1161	B A
TAMCOT CD3H	1157	B A
DELTAPINE 90	1150	B A
ALL-TEX QUICKIE	1137	B A
DELTAPINE 50	1136	B A
HOLLAND 1919	1108	B A
ACALA 1517-88	1045	B

AREALOMETER - A (mm2/mm3)		
ACALA 1517-88	465	A
DELTAPINE 90	456	B A
DELTAPINE 50	448	B A
PAYMASTER HS 26	436	B

AREALOMETER - D (mm2/mm3)		
DELTAPINE 50	23.8	A
PAYMASTER HS 26	20.0	B A
DELTAPINE 90	19.9	B A
ACALA 1517-88	17.2	B

AREALOMETER - I		
DELTAPINE 50	1.6	A
PAYMASTER HS 26	1.6	B A
DELTAPINE 90	1.5	B A
ACALA 1517-88	1.5	B

AREALOMETER - M (PERCENT)		
ACALA 1517-88	94	A
DELTAPINE 90	91	B A
PAYMASTER HS 26	91	B A
DELTAPINE 50	88	B

AREALOMETER - p (Microns)		
DELTAPINE 50	48.26	A
PAYMASTER HS 26	46.72	A
DELTAPINE 90	44.30	B
ACALA 1517-88	41.47	C

AREALOMETER -w (MG/INCH)		
DELTAPINE 50	4.41	A
PAYMASTER HS 26	4.34	A
DELTAPINE 90	3.95	B
ACALA 1517-88	3.58	C

AREALOMETER - t (MICRONS)		
PAYMASTER HS 26	3.02	A
DELTAPINE 50	2.94	A
DELTAPINE 90	2.93	A
ACALA 1517-88	2.88	A

1994 PLAINS REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

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

LUBBOCK, TX (IRR)	1120	A	4.86	38.0	10.4	123	1.07	0.51	200	7.6	4.28
ALTUS, OK (IRR)	853	B	5.54	35.4	10.1	131	1.08	0.54	191	7.3	3.97
TIPTON, OK	750	C	5.09	37.4	10.1	.	.	.	.	.	.
CHICKASHA, OK (IRR)	675	D	6.19	37.7	11.8	.	.	.	.	.	.
CHICKASHA, OK (DRY)	669	D	5.93	39.5	11.2	126	1.08	0.54	200	6.6	4.78
CHILLICOTHE, TX (DRY)	501	E	.	.	.	.	.	.	.	.	.
LAMESA, TX (DRY)	234	F	3.19	36.6	8.9	109	0.98	0.46	182	7.5	4.23

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data				
LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
LUBBOCK, TX (IRR)	1.06	81.6	27.4	10.5	79.7	8.6	4.47	1803	20.51	3.68	0.83
ALTUS, OK (IRR)	1.05	82.9	28.9	9.9	76.7	7.6	3.97	1580	19.67	3.37	0.73
TIPTON, OK	.	.	.	.	.	.	.	1296	.	.	.
CHICKASHA, OK (IRR)	.	.	.	.	.	.	.	1079	.	.	.
CHICKASHA, OK (DRY)	1.06	83.4	29.6	9.9	68.4	7.3	4.98	971	20.07	3.70	0.69
CHILLICOTHE, TX (DRY)	.	.	.	.	.	.	.	.	.	.	.
LAMESA, TX (DRY)	0.98	79.0	25.5	9.9	73.3	9.4	4.38	390	19.54	3.67	0.52

	Arealometer Data						
LOCATION	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
LUBBOCK, TX (IRR)	459	24.2	1.64	88	47.44	4.23	2.9
ALTUS, OK (IRR)	485	23.4	1.62	88	44.13	3.71	2.7
TIPTON, OK	.	.	.	.	.	.	.
CHICKASHA, OK (IRR)	.	.	.	.	.	.	.
CHICKASHA, OK (DRY)	415	14.9	1.43	96	44.89	4.34	3.3
CHILLICOTHE, TX (DRY)	.	.	.	.	.	.	.
LAMESA, TX (DRY)	448	18.4	1.51	93	44.27	4.00	3.0

1994 PLAINS REGIONAL COTTON VARIETY TEST
SUBREGIONAL SUMMARY COMBINING LAMESA, TX (DRY) LUBBOCK, TX (IRR)

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 90	761	A	3.74	38.6	8.8	130	1.06	0.49	211	7.8	4.28
PAYMASTER 147	747	A	4.45	37.2	10.3	104	0.98	0.47	180	7.7	4.35
TAMCOT CD3H	725	B A	3.70	38.9	8.5	98	0.97	0.46	164	7.0	4.13
PAYMASTER HS 200	710	B A	4.02	36.8	9.6	118	1.04	0.49	197	7.8	4.28
LANKART 142	701	B A	4.57	37.4	10.7	112	1.02	0.48	186	7.6	4.30
DELTAPINE 50	682	B A	3.50	36.7	9.1	106	1.03	0.48	178	8.6	4.60
PAYMASTER HS 26	675	B A	4.37	36.4	9.8	124	1.01	0.51	216	8.8	4.48
G+P 3774	661	B A	4.22	36.8	9.5	102	1.05	0.48	171	7.9	4.08
ACALA 1517-88	649	B A	3.83	37.6	10.5	145	1.11	0.51	222	6.3	4.20
ALL-TEX QUICKIE	624	B A	3.86	38.1	10.0	121	1.03	0.49	183	6.6	4.18
SOUTHLAND 400	617	B A	4.15	35.8	9.7	124	0.99	0.48	200	6.8	4.33
HOLLAND 1919	568	B	3.91	37.6	9.1	107	1.01	0.48	184	7.9	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 90	1.05	80.9	30.3	10.5	78.4	8.7	4.43	1282	20.45	3.59	0.89
PAYMASTER 147	0.98	80.5	24.4	10.5	76.3	9.2	4.50	1140	19.07	3.73	0.67
TAMCOT CD3H	0.96	78.3	22.4	9.4	75.8	9.3	4.38	1038	20.36	3.78	0.53
PAYMASTER HS 200	1.03	80.1	27.9	10.0	74.9	8.8	4.53	1116	19.69	3.70	0.81
LANKART 142	1.03	80.1	26.1	10.3	76.3	9.1	4.40	1055	20.06	3.77	0.57
DELTAPINE 50	1.04	81.3	24.5	10.5	76.5	9.1	4.78	1122	18.85	3.62	0.81
PAYMASTER HS 26	1.01	81.7	29.7	11.3	76.0	8.9	4.73	1166	20.77	3.53	0.81
G+P 3774	1.04	79.6	23.0	10.0	77.6	9.0	4.10	1202	20.11	3.62	0.65

ACALA 1517-88	1.10	81.7	30.7	10.0	75.9	9.1	4.33	1079	20.64	3.75	0.64
ALL-TEX QUICKIE	1.02	79.7	24.3	9.9	77.5	8.9	4.35	990	20.98	3.63	0.63
SOUTHLAND 400	0.99	79.7	29.3	10.0	76.3	9.3	4.53	1056	19.89	3.75	0.56
HOLLAND 1919	1.02	80.2	24.7	10.3	77.1	8.9	4.08	911	19.44	3.63	0.54

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 90	465	23.3	1.62	89	46.07	4.04	2.8
PAYMASTER 147	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
DELTAPINE 50	442	23.8	1.63	88	48.92	4.51	3.0
PAYMASTER HS 26	442	21.1	1.57	90	46.99	4.32	3.0
G+P 3774	.	.	.	.	.	.	.
ACALA 1517-88	464	17.0	1.48	94	41.45	3.58	2.9
ALL-TEX QUICKIE	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
SUBREGIONAL SUMMARY COMBINING ALTUS, OK (IRR) CHICKASHA, OK (DRY)
CHICKASHA, OK (IRR) CHILLICOTHE, TX (DRY) TIPTON, OK

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 200	752	A	5.53	37.1	10.5	136	1.09	0.53	208	7.0	4.28
PAYMASTER HS 26	735	A	5.74	36.9	11.1	131	1.05	0.53	209	8.1	4.68

PAYMASTER 147	724	B A	6.31	38.6	11.1	109	1.07	0.54	183	7.5	4.45
G+P 3774	717	B A	6.16	36.8	11.6	114	1.10	0.55	175	7.1	4.08
DELTAPINE 90	707	B A	4.75	39.0	9.3	134	1.08	0.53	212	6.7	4.78
SOUTHLAND 400	706	B A	6.02	35.6	11.6	140	1.08	0.57	214	6.1	4.70
TAMCOT CD3H	698	B A	5.41	39.1	9.7	114	1.00	0.50	168	6.8	4.08
ALL-TEX QUICKIE	678	B A	5.71	36.9	11.0	135	1.08	0.53	193	6.8	4.08
LANKART 142	678	B A	6.61	38.4	11.7	123	1.06	0.54	179	6.6	4.38
DELTAPINE 50	676	B A	4.82	36.4	10.2	118	1.10	0.54	179	8.1	4.50
HOLLAND 1919	670	B A	5.90	37.5	10.7	130	1.07	0.52	179	7.0	4.18
ACALA 1517-88	628	B	5.31	38.1	11.1	159	1.18	0.58	247	5.6	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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER HS 200	1.06	83.6	30.4	10.0	73.4	7.6	4.45	1294	19.47	3.55	0.78
PAYMASTER HS 26	1.04	83.6	32.4	10.8	70.8	7.1	4.73	1337	20.80	3.47	0.96
PAYMASTER 147	0.99	82.6	27.1	10.0	71.9	7.8	4.50	1408	19.06	3.43	0.77
G+P 3774	1.08	82.6	25.9	9.7	72.5	7.0	4.13	1273	19.22	3.66	0.63
DELTAPINE 90	1.07	83.6	32.1	10.0	72.1	7.4	4.75	1085	20.17	3.48	0.94
SOUTHLAND 400	1.03	83.4	33.2	10.0	73.0	7.6	4.83	1356	19.93	3.58	0.70
TAMCOT CD3H	0.97	81.7	24.8	9.2	71.0	7.5	4.05	1217	19.64	3.58	0.51
ALL-TEX QUICKIE	1.06	83.1	28.0	9.6	72.3	7.3	4.23	1212	20.12	3.59	0.68
LANKART 142	1.03	82.6	27.5	10.0	73.2	7.8	4.48	1215	20.16	3.51	0.56
DELTAPINE 50	1.07	83.6	27.5	10.0	73.8	7.5	4.75	1144	19.44	3.37	0.84
HOLLAND 1919	1.06	83.0	27.0	9.9	74.0	7.1	4.35	1208	19.72	3.64	0.61
ACALA 1517-88	1.15	84.3	35.6	10.0	72.5	7.7	4.43	1029	20.69	3.58	0.57

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 200	.	.	.	.	.	.	.
PAYMASTER HS 26	431	18.9	1.52	92	46.45	4.36	3.1
PAYMASTER 147	.	.	.	.	.	.	.

G+P 3774	.	.	.	.	.	.	.
DELTAPINE 90	447	16.5	1.46	94	42.52	3.85	3.1
SOUTHLAND 400	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
DELTAPINE 50	453	23.9	1.63	88	47.60	4.31	2.9
HOLLAND 1919	.	.	.	.	.	.	.
ACALA 1517-88	467	17.4	1.49	93	41.48	3.59	2.9

1994 PLAINS REGIONAL COTTON VARIETY TEST
LUBBOCK, TX (IRR)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 90	1307	A	4.28	39.4	9.3	140	1.11	0.52	223	7.5	4.20
PAYMASTER HS 200	1211	B A	5.07	37.7	10.5	125	1.09	0.52	203	8.0	4.45
PAYMASTER 147	1201	B A	5.11	38.2	11.3	106	1.00	0.48	180	7.6	4.65
TAMCOT CD3H	1193	B A	4.75	40.0	9.4	108	1.01	0.48	175	7.0	4.05
LANKART 142	1170	B A	5.58	37.8	11.6	119	1.05	0.50	193	7.9	4.30
DELTAPINE 50	1151	B A C	4.51	37.3	9.8	110	1.09	0.51	191	9.0	4.55
G+P 3774	1082	B A C	4.74	38.0	10.0	108	1.11	0.51	184	8.0	4.10
PAYMASTER HS 26	1073	B A C	4.95	36.7	10.6	129	1.04	0.53	221	8.8	4.45
ACALA 1517-88	1060	B C	4.66	38.5	10.7	149	1.15	0.53	233	5.8	4.20
SOUTHLAND 400	1034	B C	5.22	36.6	11.0	128	1.04	0.51	199	6.8	4.40
ALL-TEX QUICKIE	1025	B C	4.78	38.6	10.4	127	1.07	0.51	199	6.8	4.20
HOLLAND 1919	931	C	4.75	38.0	10.0	123	1.08	0.51	200	8.0	3.85

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	Colorimeter E Rd	Colorimeter Hunter's b	Seed Data MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)

DELTAPINE 90	1.09	82.2	31.6	11.0	80.8	8.5	4.30	2106	20.78	3.67	0.99
PAYMASTER HS 200	1.10	82.0	28.9	10.0	79.5	8.7	4.70	1872	20.24	3.67	0.98
PAYMASTER 147	1.01	81.6	24.4	11.0	79.6	8.8	4.90	1791	19.63	3.74	0.84
TAMCOT CD3H	1.00	80.0	24.5	10.0	78.6	8.5	4.35	1836	20.88	3.75	0.67
LANKART 142	1.07	81.3	27.2	10.5	79.5	8.6	4.45	1669	20.11	3.76	0.73
DELTAPINE 50	1.09	82.4	25.6	11.0	80.8	8.7	4.80	1914	19.19	3.61	1.04
G+P 3774	1.08	80.7	23.7	10.0	80.7	8.6	4.15	1937	20.85	3.69	0.76
PAYMASTER HS 26	1.04	82.7	29.8	11.5	77.8	8.6	4.75	1845	21.35	3.57	0.90
ACALA 1517-88	1.15	82.6	31.4	10.0	79.3	8.9	4.30	1752	20.92	3.77	0.76
SOUTHLAND 400	1.04	80.9	30.0	10.0	79.4	8.9	4.60	1747	20.17	3.69	0.83
ALL-TEX QUICKIE	1.05	80.3	25.2	10.0	80.8	8.2	4.35	1608	22.00	3.70	0.78
HOLLAND 1919	1.08	82.2	26.4	10.5	80.3	8.3	4.00	1559	19.98	3.58	0.64

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 90	477	27.5	1.71	85	47.90	4.14	2.7
PAYMASTER HS 200	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
DELTAPINE 50	449	26.5	1.69	86	50.23	4.59	2.9
G+P 3774	.	.	.	.	.	.	.
PAYMASTER HS 26	440	22.3	1.60	89	48.07	4.44	3.0
ACALA 1517-88	469	20.5	1.56	91	43.59	3.75	2.8
SOUTHLAND 400	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
ALTUS, OK (IRR)

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

PAYMASTER HS 26	1038	A	5.88	36.2	10.5	129	1.05	0.53	215	8.1	4.55
PAYMASTER HS 200	981	A	5.68	36.8	10.2	134	1.10	0.53	201	7.4	3.95
SOUTHLAND 400	907	B	6.30	33.7	11.6	139	1.07	0.57	207	6.3	4.65
G+P 3774	882	C B	6.25	35.6	10.9	118	1.10	0.55	176	7.3	3.60
PAYMASTER 147	853	C B	5.27	36.6	9.9	110	1.07	0.55	170	8.1	4.10
DELTAPINE 90	851	C B	4.36	36.8	8.6	137	1.06	0.52	207	7.1	4.35
LANKART 142	827	C B D	6.82	36.4	11.6	126	1.06	0.54	177	6.8	4.00
DELTAPINE 50	820	C E D	4.64	32.8	9.6	120	1.09	0.55	179	8.4	3.85
HOLLAND 1919	816	C E D	5.62	34.4	10.0	136	1.07	0.54	170	7.4	3.80
ALL-TEX QUICKIE	769	E D	5.45	34.1	10.1	137	1.08	0.52	182	6.9	3.65
TAMCOT CD3H	750	E D	4.90	36.2	8.5	127	1.03	0.50	168	7.9	3.30
ACALA 1517-88	740	E	5.32	35.8	10.4	162	1.20	0.60	245	5.9	3.85

	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	1.03	83.9	32.7	11.0	74.9	7.3	4.40	1852	20.90	3.39	0.95
PAYMASTER HS 200	1.08	83.2	29.3	9.9	77.8	7.5	4.00	1819	19.93	3.45	0.86
SOUTHLAND 400	1.03	83.0	32.1	10.0	76.1	7.8	4.80	1838	19.88	3.51	0.66
G+P 3774	1.09	82.4	25.5	9.7	77.3	7.3	3.65	1583	19.33	3.39	0.69
PAYMASTER 147	0.98	82.4	27.0	10.0	75.7	7.8	3.90	1565	18.72	3.23	0.82
DELTAPINE 90	1.03	83.2	31.4	10.0	77.9	7.9	4.10	1399	19.60	3.27	0.89
LANKART 142	1.01	82.6	27.3	10.0	77.5	7.9	3.95	1509	19.63	3.48	0.57
DELTAPINE 50	1.06	82.7	27.6	10.0	77.5	7.7	4.10	1608	19.43	3.07	0.90
HOLLAND 1919	1.06	82.2	26.1	9.8	77.5	7.5	3.95	1574	19.57	3.45	0.62
ALL-TEX QUICKIE	1.06	82.5	28.0	9.5	77.3	7.5	3.75	1591	19.97	3.38	0.75
TAMCOT CD3H	0.98	82.3	24.9	9.2	75.5	7.6	3.10	1281	18.22	3.36	0.41
ACALA 1517-88	1.16	84.1	35.7	10.0	75.5	8.2	3.90	1342	20.89	3.50	0.65

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

PAYMASTER HS 26	446	19.8	1.54	91	45.51	4.13	3.0
PAYMASTER HS 200	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.
DELTAPINE 90	489	21.0	1.56	91	41.86	3.46	2.7
LANKART 142	.	.	.	.	.	.	.
DELTAPINE 50	496	30.5	1.77	83	47.80	3.97	2.6
HOLLAND 1919	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
ACALA 1517-88	508	22.3	1.60	89	41.38	3.29	2.6

1994 PLAINS REGIONAL COTTON VARIETY TEST
CHICKASHA, OK (DRY)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 90	735	A	5.46	40.3	10.5	132	1.10	0.54	217	6.3	5.20
G+P 3774	733	A	6.41	38.0	12.3	111	1.10	0.55	175	7.0	4.55
TAMCOT CD3H	727	A	5.71	42.1	9.9	101	0.98	0.50	168	5.8	4.85
LANKART 142	704	A	6.55	40.5	11.7	119	1.06	0.54	181	6.4	4.75
SOUTHLAND 400	674	A	5.92	37.2	11.8	140	1.10	0.57	220	6.0	4.75
PAYMASTER 147	651	A	6.94	41.1	11.8	108	1.06	0.54	195	6.9	4.80
DELTAPINE 50	650	A	5.31	39.1	10.4	116	1.11	0.54	180	7.9	5.15
ALL-TEX QUICKIE	649	A	5.92	39.2	11.4	134	1.08	0.53	205	6.8	4.50
PAYMASTER HS 200	645	A	5.45	38.5	10.6	139	1.09	0.53	214	6.6	4.60
ACALA 1517-88	627	A	5.48	39.6	11.8	157	1.16	0.57	249	5.4	4.85
HOLLAND 1919	623	A	6.23	40.0	10.6	123	1.08	0.51	189	6.6	4.55
PAYMASTER HS 26	614	A	5.86	38.8	11.6	134	1.06	0.53	204	8.0	4.80

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 90	1.11	83.9	32.8	10.0	66.4	7.0	5.40	1134	20.75	3.70	0.99
G+P 3774	1.07	82.8	26.3	9.8	67.8	6.8	4.60	1005	19.12	3.93	0.57
TAMCOT CD3H	0.96	81.0	24.7	9.2	66.5	7.4	5.00	1125	21.07	3.80	0.62
LANKART 142	1.05	82.6	27.8	10.0	68.8	7.8	5.00	1067	20.69	3.55	0.55
SOUTHLAND 400	1.04	83.9	34.3	10.0	70.0	7.5	4.85	1016	19.98	3.66	0.73
PAYMASTER 147	0.99	82.8	27.3	10.0	68.2	7.7	5.10	982	19.40	3.63	0.73
DELTAPINE 50	1.09	84.4	27.4	10.0	70.1	7.3	5.40	922	19.45	3.68	0.78
ALL-TEX QUICKIE	1.06	83.8	28.1	9.7	67.3	7.2	4.70	870	20.27	3.80	0.61
PAYMASTER HS 200	1.05	84.1	31.5	10.0	69.0	7.7	4.90	985	19.01	3.65	0.71
ACALA 1517-88	1.15	84.5	35.6	10.0	69.5	7.2	4.95	850	20.49	3.66	0.50
HOLLAND 1919	1.06	83.9	27.8	10.0	70.4	6.7	4.75	804	19.87	3.84	0.59
PAYMASTER HS 26	1.06	83.3	32.2	10.5	66.7	7.0	5.05	889	20.71	3.55	0.96

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 90	406	12.0	1.35	98	43.18	4.24	3.4
G+P 3774	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.
DELTAPINE 50	411	17.3	1.49	94	47.41	4.65	3.2
ALL-TEX QUICKIE	.	.	.	.	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.
ACALA 1517-88	426	12.5	1.37	98	41.59	3.88	3.2
HOLLAND 1919	.	.	.	.	.	.	.
PAYMASTER HS 26	416	18.0	1.50	93	47.40	4.60	3.2

1994 PLAINS REGIONAL COTTON VARIETY TEST
CHICKASHA, OK (IRR)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER 147	747	A	7.17	38.0	12.4	.	.	.	.	.	.
PAYMASTER HS 200	736	A	6.26	36.7	11.6	.	.	.	.	.	.
TAMCOT CD3H	733	A	6.06	39.2	10.7	.	.	.	.	.	.
HOLLAND 1919	706	A	6.44	37.3	12.0	.	.	.	.	.	.
ALL-TEX QUICKIE	689	A	6.38	37.2	12.3	.	.	.	.	.	.
G+P 3774	677	A	6.40	37.4	11.6	.	.	.	.	.	.
DELTAPINE 90	676	A	5.10	40.6	10.0	.	.	.	.	.	.
PAYMASTER HS 26	644	B A	5.99	36.5	11.9	.	.	.	.	.	.
ACALA 1517-88	644	B A	5.77	38.7	12.2	.	.	.	.	.	.
DELTAPINE 50	642	B A	5.17	37.2	11.3	.	.	.	.	.	.
SOUTHLAND 400	641	B A	6.53	35.7	12.7	.	.	.	.	.	.
LANKART 142	560	B	7.09	38.5	13.0	.	.	.	.	.	.

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)							Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER 147	.	.	.	.	.	.	.	1244	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.	1182	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.	1239	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.	1210	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.	1128	.	.	.
G+P 3774	.	.	.	.	.	.	.	1041	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.	861	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.	1076	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.	987	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.	976	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.	1110	.	.	.
LANKART 142	.	.	.	.	.	.	.	896	.	.	.

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER 147	.	.	.	.	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
CHILLICOTHE, TX (DRY)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 200	656	A	.	.	.	.	.	.	.	.	.
DELTAPINE 90	546	B A	.	.	.	.	.	.	.	.	.
DELTAPINE 50	542	B A	.	.	.	.	.	.	.	.	.
SOUTHLAND 400	527	B A	.	.	.	.	.	.	.	.	.
PAYMASTER HS 26	518	B A	.	.	.	.	.	.	.	.	.
ACALA 1517-88	512	B A	.	.	.	.	.	.	.	.	.
ALL-TEX QUICKIE	486	B A	.	.	.	.	.	.	.	.	.
TAMCOT CD3H	473	B A	.	.	.	.	.	.	.	.	.
G+P 3774	461	B A	.	.	.	.	.	.	.	.	.
HOLLAND 1919	455	B A	.	.	.	.	.	.	.	.	.
LANKART 142	446	B A	.	.	.	.	.	.	.	.	.
PAYMASTER 147	386	B	.	.	.	.	.	.	.	.	.

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)							Seed Data			
	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 200	.	.	.	.	.	.	.	.	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.	.	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.	.	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.	.	.	.	.

VARIETY	Arealometer Data						
	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 200	.	.	.	.	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
PAYMASTER 147	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
LAMESA, TX (DRY)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER 147	293	A	3.80	36.3	9.3	103	0.95	0.45	180	7.8	4.05
PAYMASTER HS 26	277	A	3.79	36.1	9.0	120	0.98	0.49	210	8.8	4.50
TAMCOT CD3H	257	A	2.65	37.9	7.7	88	0.93	0.43	152	7.0	4.20
G+P 3774	240	A	3.70	35.6	9.0	95	0.99	0.45	158	7.8	4.05
ACALA 1517-88	239	A	3.01	36.8	10.3	141	1.06	0.49	210	6.9	4.20
LANKART 142	232	A	3.56	36.9	9.9	106	1.00	0.47	179	7.4	4.30
ALL-TEX QUICKIE	222	A	2.93	37.6	9.6	115	0.99	0.47	167	6.5	4.15
DELTAPINE 90	216	A	3.20	37.9	8.4	120	1.02	0.47	199	8.0	4.35
DELTAPINE 50	213	A	2.50	36.1	8.5	101	0.97	0.45	165	8.1	4.65
PAYMASTER HS 200	210	A	2.98	35.9	8.7	111	0.98	0.46	192	7.6	4.10
HOLLAND 1919	205	A	3.06	37.2	8.3	90	0.94	0.44	168	7.8	4.00
SOUTHLAND 400	201	A	3.09	35.0	8.5	120	0.94	0.45	201	6.8	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER 147	0.96	79.4	24.5	10.0	73.0	9.5	4.10	489	18.51	3.73	0.51
PAYMASTER HS 26	0.98	80.7	29.6	11.0	74.3	9.1	4.70	487	20.20	3.49	0.71
TAMCOT CD3H	0.92	76.7	20.4	8.8	73.0	10	4.40	240	19.84	3.82	0.39
G+P 3774	1.00	78.5	22.3	9.9	74.5	9.4	4.05	466	19.36	3.56	0.53
ACALA 1517-88	1.06	80.7	30.0	9.9	72.5	9.3	4.35	406	20.35	3.74	0.52
LANKART 142	1.00	78.9	24.9	10.0	73.1	9.7	4.35	441	20.01	3.79	0.42
ALL-TEX QUICKIE	1.00	79.1	23.5	9.7	74.2	9.6	4.35	372	19.96	3.56	0.48
DELTAPINE 90	1.00	79.7	29.1	10.0	76.0	8.9	4.55	459	20.11	3.52	0.78
DELTAPINE 50	0.99	80.1	23.4	10.0	72.2	9.6	4.75	330	18.51	3.64	0.58
PAYMASTER HS 200	0.96	78.3	26.9	10.0	70.3	8.9	4.35	359	19.13	3.73	0.64

HOLLAND 1919	0.95	78.2	23.0	10.0	74.0	9.5	4.15	262	18.89	3.69	0.43
SOUTHLAND 400	0.95	78.5	28.6	10.0	73.2	9.7	4.45	364	19.61	3.82	0.29

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER 147	.	.	.	.	.	.	.
PAYMASTER HS 26	444	20.0	1.55	91	45.91	4.19	3.0
TAMCOT CD3H	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
ACALA 1517-88	459	13.5	1.40	97	39.31	3.41	3.0
LANKART 142	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
DELTAPINE 90	453	19.0	1.53	92	44.24	3.94	2.9
DELTAPINE 50	436	21.0	1.57	90	47.61	4.44	3.0
PAYMASTER HS 200	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.

1994 PLAINS REGIONAL COTTON VARIETY TEST
TIPTON, OK

						Digital Fibrograph		Stelometer		
VARIETY	LINT YIELD (lb/acre)	BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
PAYMASTER 147	914 A	5.89	38.7	10.4	.	.	.	.	.	.
PAYMASTER HS 26	819 B A	5.24	36.1	10.5	.	.	.	.	.	.
LANKART 142	806 B A	5.97	38.4	10.7	.	.	.	.	.	.
G+P 3774	780 B A	5.60	36.2	11.6	.	.	.	.	.	.
ALL-TEX QUICKIE	760 B A C	5.09	37.1	10.2	.	.	.	.	.	.
TAMCOT CD3H	760 B A C	5.00	39.0	9.7	.	.	.	.	.	.
SOUTHLAND 400	744 B C	5.33	35.7	10.4	.	.	.	.	.	.
PAYMASTER HS 200	721 B C	4.74	36.6	9.6	.	.	.	.	.	.
HOLLAND 1919	706 B C	5.32	38.4	10.4	.	.	.	.	.	.

DELTAPINE 50	697	B	C	4.16	36.4	9.4	.	.	.	.	.	.
DELTAPINE 90	693	B	C	4.08	38.4	8.2	.	.	.	.	.	.
ACALA 1517-88	596		C	4.66	38.3	10.0	.	.	.	.	.	.

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PAYMASTER 147	.	.	.	.	.	.	.	1842	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.	1530	.	.	.
LANKART 142	.	.	.	.	.	.	.	1389	.	.	.
G+P 3774	.	.	.	.	.	.	.	1463	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.	1258	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.	1224	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.	1461	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.	1189	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.	1244	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.	1071	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.	945	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.	938	.	.	.

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER 147	.	.	.	.	.	.	.
PAYMASTER HS 26	.	.	.	.	.	.	.
LANKART 142	.	.	.	.	.	.	.
G+P 3774	.	.	.	.	.	.	.
ALL-TEX QUICKIE	.	.	.	.	.	.	.
TAMCOT CD3H	.	.	.	.	.	.	.
SOUTHLAND 400	.	.	.	.	.	.	.
PAYMASTER HS 200	.	.	.	.	.	.	.
HOLLAND 1919	.	.	.	.	.	.	.

DELTAPINE 50 . . . . . .
DELTAPINE 90 . . . . . .
ACALA 1517-88 . . . . . .

1994 WESTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 WESTERN 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 90	1054	A	4.97	41.0	8.7	138	1.13	0.54	206	7.3	4.30
McNAIR 220	1018	B A	5.55	39.7	10.3	131	1.13	0.54	187	6.6	4.16
ALL-TEX MAX-9	983	B A C	5.25	38.3	11.1	153	1.18	0.57	222	6.9	4.16
ACALA 1517-88	972	B A C	4.99	39.2	10.5	155	1.19	0.56	218	6.6	4.03
CHEMBRED CBX1210	966	B A C	5.19	39.9	9.8	146	1.16	0.55	224	6.6	4.15
DELTAPINE 50	948	B A C	4.91	36.6	9.9	120	1.13	0.53	178	8.7	4.43
ACALA W 5250	930	B A C	5.47	38.1	11.6	171	1.21	0.58	241	6.5	4.03
PAYMASTER HS 26	877	B D C	5.82	38.1	10.6	133	1.08	0.54	212	9.0	4.61
ACALA 1517-91	858	B D C	5.37	40.3	11.6	155	1.17	0.56	229	6.6	4.15
COKER 320	838	E D C	5.23	40.3	10.2	136	1.15	0.55	192	6.7	4.59
ACALA 1517 SR-3	807	E D C	4.78	38.4	11.1	167	1.19	0.57	238	6.9	4.08
ACALA PREMA	722	E D	5.76	39.1	11.1	172	1.16	0.56	255	7.0	3.88
ACALA GC 510	673	E	5.75	40.4	10.5	163	1.15	0.57	235	6.6	3.98

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 90	1.12	83.1	28.7	10.1	77.9	8.2	4.38	1569	19.94	3.15	1.00
McNAIR 220	1.11	82.9	26.3	9.6	77.4	8.5	4.29	1583	19.87	3.25	0.95
ALL-TEX MAX-9	1.18	84.4	30.1	9.9	77.5	8.6	4.05	1581	20.54	3.20	0.87
ACALA 1517-88	1.18	84.3	30.5	9.9	77.7	8.5	4.11	1470	20.60	3.41	0.60
CHEMBRED CBX1210	1.15	83.9	28.7	9.9	77.8	8.3	4.24	1459	20.05	3.20	0.82
DELTAPINE 50	1.14	83.9	23.6	10.2	79.0	8.2	4.43	1615	19.48	3.26	0.97
ACALA W 5250	1.21	85.4	31.8	9.9	77.8	8.3	3.99	1520	20.45	3.35	0.84
PAYMASTER HS 26	1.07	84.1	29.2	10.5	78.1	8.3	4.60	1375	20.25	3.14	0.95
ACALA 1517-91	1.16	85.2	30.5	9.9	77.3	8.5	4.18	1268	21.37	3.29	0.79
COKER 320	1.14	84.1	26.7	9.7	77.1	8.4	4.56	1245	20.02	3.27	0.81
ACALA 1517 SR-3	1.18	85.1	32.1	10.1	78.6	8.3	4.04	1307	20.54	3.31	0.86
ACALA PREMA	1.16	84.9	32.8	10.4	77.4	8.4	3.78	1067	19.74	3.33	0.66
ACALA GC 510	1.13	84.6	31.3	10.0	79.2	8.5	3.98	1046	19.98	3.51	0.60

1994 WESTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 90	489	26.4	1.68	86	45.39	3.79	2.68
McNAIR 220	.	.	.	.	.	.	.
ALL-TEX MAX-9	.	.	.	.	.	.	.
ACALA 1517-88	502	25.5	1.66	87	43.59	3.53	2.61
CHEMBRED CBX1210	.	.	.	.	.	.	.
DELTAPINE 50	471	30.5	1.76	83	49.98	4.39	2.78
ACALA W 5250	.	.	.	.	.	.	.
PAYMASTER HS 26	443	19.7	1.54	91	45.76	4.18	2.98
ACALA 1517-91	.	.	.	.	.	.	.

COKER 320	.	.	.	.	.	.	.
ACALA 1517 SR-3	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.

1994 WESTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
PAYMASTER HS 26	5.82	A	DELTAPINE 90	41.0	A	ACALA 1517-91	11.6	A
ACALA PREMA	5.76	A	ACALA GC 510	40.4	B A	ACALA W 5250	11.6	A
ACALA GC 510	5.75	A	ACALA 1517-91	40.3	B A	ACALA PREMA	11.1	B A
McNAIR 220	5.55	B A	COKER 320	40.3	B A	ALL-TEX MAX-9	11.1	B A
ACALA W 5250	5.47	B A C	CHEMBRED CBX1210	39.9	B A	ACALA 1517 SR-3	11.1	B A
ACALA 1517-91	5.37	B A C	McNAIR 220	39.7	B A C	PAYMASTER HS 26	10.6	B C
ALL-TEX MAX-9	5.25	B A C	ACALA 1517-88	39.2	B D C	ACALA 1517-88	10.5	B C
COKER 320	5.23	B A C	ACALA PREMA	39.1	B D C	ACALA GC 510	10.5	B C
CHEMBRED CBX1210	5.19	B A C	ACALA 1517 SR-3	38.4	D C	McNAIR 220	10.3	D C
ACALA 1517-88	4.99	B C	ALL-TEX MAX-9	38.3	D	COKER 320	10.2	D C
DELTAPINE 90	4.97	B C	PAYMASTER HS 26	38.1	D	DELTAPINE 50	9.9	D C
DELTAPINE 50	4.91	B C	ACALA W 5250	38.1	D	CHEMBRED CBX1210	9.8	D
ACALA 1517 SR-3	4.78	C	DELTAPINE 50	36.6	E	DELTAPINE 90	8.7	E

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
ACALA PREMA	172	A	ACALA W 5250	1.21	A	ACALA W 5250	0.58	A
ACALA W 5250	171	A	ACALA 1517-88	1.19	B A	ACALA GC 510	0.57	B A
ACALA 1517 SR-3	167	B A	ACALA 1517 SR-3	1.19	B A	ACALA 1517 SR-3	0.57	B A
ACALA GC 510	163	B	ALL-TEX MAX-9	1.18	B A	ALL-TEX MAX-9	0.57	B A
ACALA 1517-91	155	C	ACALA 1517-91	1.17	B C	ACALA 1517-88	0.56	B C
ACALA 1517-88	155	C	ACALA PREMA	1.16	B C	ACALA PREMA	0.56	B C
ALL-TEX MAX-9	153	C	CHEMBRED CBX1210	1.16	B C D	ACALA 1517-91	0.56	B C
CHEMBRED CBX1210	146	D	COKER 320	1.15	C D	COKER 320	0.55	B C D
DELTAPINE 90	138	E	ACALA GC 510	1.15	C D	CHEMBRED CBX1210	0.55	B C D
COKER 320	136	F E	DELTAPINE 50	1.13	C D	McNAIR 220	0.54	C D
PAYMASTER HS 26	133	F E	McNAIR 220	1.13	D	PAYMASTER HS 26	0.54	D
McNAIR 220	131	F	DELTAPINE 90	1.13	D	DELTAPINE 90	0.54	D

DELTAPINE 50	120	G

PAYMASTER HS 26	1.08	E

DELTAPINE 50	0.53	D

STELOMETER - T1

ACALA PREMA	255	A
ACALA W 5250	241	B A
ACALA 1517 SR-3	238	B C
ACALA GC 510	235	B C D
ACALA 1517-91	229	EB C D
CHEMBRED CBX1210	224	EF C D
ALL-TEX MAX-9	222	EF D
ACALA 1517-88	218	EF G
PAYMASTER HS 26	212	F G
DELTAPINE 90	206	G
COKER 320	192	H
McNAIR 220	187	H
DELTAPINE 50	178	H

STELOMETER - E1

PAYMASTER HS 26	9.0	A
DELTAPINE 50	8.7	A
DELTAPINE 90	7.3	B
ACALA PREMA	7.0	C B
ALL-TEX MAX-9	6.9	C B
ACALA 1517 SR-3	6.9	C B
COKER 320	6.7	C
McNAIR 220	6.6	C
ACALA GC 510	6.6	C
ACALA 1517-88	6.6	C
ACALA 1517-91	6.6	C
CHEMBRED CBX1210	6.6	C
ACALA W 5250	6.5	C

MICRONAIRE

PAYMASTER HS 26	4.61	A
COKER 320	4.59	A
DELTAPINE 50	4.43	B A
DELTAPINE 90	4.30	B C
McNAIR 220	4.16	D C
ALL-TEX MAX-9	4.16	D C
ACALA 1517-91	4.15	D C
CHEMBRED CBX1210	4.15	D C
ACALA 1517 SR-3	4.08	D C E
ACALA 1517-88	4.03	D E
ACALA W 5250	4.03	D E
ACALA GC 510	3.98	D E
ACALA PREMA	3.88	E

2.5% S.L. (INCHES)

ACALA W 5250	1.21	A
ACALA 1517-88	1.18	B
ACALA 1517 SR-3	1.18	B
ALL-TEX MAX-9	1.18	B
ACALA PREMA	1.16	C B
ACALA 1517-91	1.16	C B
CHEMBRED CBX1210	1.15	C D
DELTAPINE 50	1.14	C D
COKER 320	1.14	C D
ACALA GC 510	1.13	C D E
DELTAPINE 90	1.12	D E
McNAIR 220	1.11	E
PAYMASTER HS 26	1.07	F

UR (PERCENT)

ACALA W 5250	85.4	A
ACALA 1517-91	85.2	B A
ACALA 1517 SR-3	85.1	B A C
ACALA PREMA	84.9	DB A C
ACALA GC 510	84.6	DBEA C
ALL-TEX MAX-9	84.4	DBEA C
ACALA 1517-88	84.3	DBE C
PAYMASTER HS 26	84.1	D E C
COKER 320	84.1	D E
DELTAPINE 50	83.9	EF
CHEMBRED CBX1210	83.9	EF
DELTAPINE 90	83.1	G F
McNAIR 220	82.9	G

STRENGTH (G/TEX)

ACALA PREMA	32.8	A
ACALA 1517 SR-3	32.1	A
ACALA W 5250	31.8	B A
ACALA GC 510	31.3	B A C
ACALA 1517-91	30.5	B D C
ACALA 1517-88	30.5	B D C
ALL-TEX MAX-9	30.1	D C
PAYMASTER HS 26	29.2	E D
CHEMBRED CBX1210	28.7	E
DELTAPINE 90	28.7	E
COKER 320	26.7	F
McNAIR 220	26.3	F
DELTAPINE 50	23.6	G

E

PAYMASTER HS 26	10.5	A

COLORIMETER - Rd

ACALA GC 510	79.2	A

COLORIMETER - b

ALL-TEX MAX-9	8.6	A

ACALA PREMA	10.4	B A
DELTAPINE 50	10.2	B C
ACALA 1517 SR-3	10.1	B C D
DELTAPINE 90	10.1	B C D
ACALA GC 510	10.0	E C D
ACALA 1517-91	9.9	FE C D
ACALA 1517-88	9.9	FE C D
ACALA W 5250	9.9	FE C D
ALL-TEX MAX-9	9.9	FE D
CHEMBRED CBX1210	9.9	FE D
COKER 320	9.7	FE
McNAIR 220	9.6	F

DELTAPINE 50	79.0	A
ACALA 1517 SR-3	78.6	B A
PAYMASTER HS 26	78.1	B A
DELTAPINE 90	77.9	B A
CHEMBRED CBX1210	77.8	B A
ACALA W 5250	77.8	B A
ACALA 1517-88	77.7	B A
ALL-TEX MAX-9	77.5	B
McNAIR 220	77.4	B
ACALA PREMA	77.4	B
ACALA 1517-91	77.3	B
COKER 320	77.1	B

McNAIR 220	8.5	B A
ACALA 1517-88	8.5	B A
ACALA 1517-91	8.5	B A
ACALA GC 510	8.5	B A
COKER 320	8.4	B A
ACALA PREMA	8.4	B A
ACALA 1517 SR-3	8.3	B A
CHEMBRED CBX1210	8.3	B A
ACALA W 5250	8.3	B A
PAYMASTER HS 26	8.3	B A
DELTAPINE 50	8.2	B A
DELTAPINE 90	8.2	B

MICRONAIRE (SL-HVI)

PAYMASTER HS 26	4.60	A
COKER 320	4.56	B A
DELTAPINE 50	4.43	B A C
DELTAPINE 90	4.38	DB A C
McNAIR 220	4.29	DB E C
CHEMBRED CBX1210	4.24	DF E C
ACALA 1517-91	4.18	DF E C
ACALA 1517-88	4.11	DF E
ALL-TEX MAX-9	4.05	F E G
ACALA 1517 SR-3	4.04	F E G
ACALA W 5250	3.99	F E G
ACALA GC 510	3.98	F G
ACALA PREMA	3.78	G

OIL (PERCENT)

ACALA 1517-91	21.37	A
ACALA 1517-88	20.60	B A
ACALA 1517 SR-3	20.54	B A C
ALL-TEX MAX-9	20.54	B A C
ACALA W 5250	20.45	B A C
PAYMASTER HS 26	20.25	B C
CHEMBRED CBX1210	20.05	B C
COKER 320	20.02	B C
ACALA GC 510	19.98	B C
DELTAPINE 90	19.94	B C
McNAIR 220	19.87	B C
ACALA PREMA	19.74	B C
DELTAPINE 50	19.48	C

NITROGEN (PERCENT)

ACALA GC 510	3.51	A
ACALA 1517-88	3.41	B A
ACALA W 5250	3.35	B A C
ACALA PREMA	3.33	B A C
ACALA 1517 SR-3	3.31	B C
ACALA 1517-91	3.29	B C
COKER 320	3.27	B C
DELTAPINE 50	3.26	B C
McNAIR 220	3.25	B C
ALL-TEX MAX-9	3.20	B C
CHEMBRED CBX1210	3.20	B C
DELTAPINE 90	3.15	C
PAYMASTER HS 26	3.14	C

FREE GOSSYPOL (PERCENT)

DELTAPINE 90	1.00	A
DELTAPINE 50	0.97	A
McNAIR 220	0.95	A
PAYMASTER HS 26	0.95	A
ALL-TEX MAX-9	0.87	B A
ACALA 1517 SR-3	0.86	B A C
ACALA W 5250	0.84	DB A C
CHEMBRED CBX1210	0.82	DB A C

SEED YIELD (LB/ACRE)

DELTAPINE 50	1614	A
McNAIR 220	1583	B A
ALL-TEX MAX-9	1580	B A
DELTAPINE 90	1568	B A C
ACALA W 5250	1520	B A C
ACALA 1517-88	1470	B A C
CHEMBRED CBX1210	1458	B A C
PAYMASTER HS 26	1375	DB A C

COKER 320	0.81	DB A C
ACALA 1517-91	0.79	DB A C
ACALA PREMA	0.66	DB C
ACALA GC 510	0.60	D C
ACALA 1517-88	0.60	D

ACALA 1517 SR-3	1307	DBEA C
ACALA 1517-91	1267	DBE C
COKER 320	1245	D E C
ACALA PREMA	1067	D E
ACALA GC 510	1046	E

AREALOMETER - A (mm2/mm3)

ACALA 1517-88	502	A
DELTAPINE 90	489	A
DELTAPINE 50	471	B A
PAYMASTER HS 26	443	B

AREALOMETER - D (mm2/mm3)

DELTAPINE 50	30.5	A
DELTAPINE 90	26.4	A
ACALA 1517-88	25.5	A
PAYMASTER HS 26	19.7	A

AREALOMETER - I

DELTAPINE 50	1.8	A
DELTAPINE 90	1.7	A
ACALA 1517-88	1.7	A
PAYMASTER HS 26	1.5	A

AREALOMETER - M (PERCENT)

PAYMASTER HS 26	91	A
ACALA 1517-88	87	A
DELTAPINE 90	86	A
DELTAPINE 50	83	A

AREALOMETER - p (Microns)

DELTAPINE 50	49.98	A
PAYMASTER HS 26	45.76	B
DELTAPINE 90	45.39	B
ACALA 1517-88	43.59	B

AREALOMETER -w (MG/INCH)

DELTAPINE 50	4.39	A
PAYMASTER HS 26	4.18	B
DELTAPINE 90	3.79	C
ACALA 1517-88	3.53	D

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.98	A
DELTAPINE 50	2.78	B A
DELTAPINE 90	2.68	B
ACALA 1517-88	2.61	B

1994 WESTERN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
EL PASO, TX (IRR)	1290	A	5.29	39.1	11.0	144	1.15	0.56	216	6.9	4.62
ARTESIA, NM (IRR)	1022	B	5.92	37.8	11.2	163	1.21	0.59	235	7.5	3.98
PECOS, TX (IRR)	976	B	4.59	35.7	10.3	143	1.11	0.53	212	7.0	4.01
UNIVERSITY PARK, NM	492	C	5.44	41.7	9.7	147	1.15	0.55	211	6.9	4.17

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
EL PASO, TX (IRR)	1.14	84.1	28.4	9.8	77.5	8.4	4.71	2007	21.15	3.51	0.86
ARTESIA, NM (IRR)	1.21	86.5	31.8	10.3	78.7	8.5	3.85	1692	20.19	3.30	0.85
PECOS, TX (IRR)	1.09	82.0	27.8	9.9	79.2	7.8	4.06	1884	20.92	3.23	0.82
UNIVERSITY PARK, NM	1.15	84.5	29.6	10.0	76.2	8.9	4.18	691	18.62	3.09	0.77

	Arealometer Data						
LOCATION	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
EL PASO, TX (IRR)	437	17.6	1.49	93	44.76	4.13	3.0
ARTESIA, NM (IRR)	511	33.4	1.82	81	47.79	3.88	2.5
PECOS, TX (IRR)	481	25.2	1.65	87	45.62	3.87	2.7
UNIVERSITY PARK, NM	477	25.9	1.67	86	46.55	4.00	2.7

1994 WESTERN REGIONAL COTTON VARIETY TEST
UNIVERSITY PARK, NM

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
McNAIR 220	628	A	5.83	42.1	9.9	132	1.13	0.55	189	6.6	4.40
COKER 320	600	B A	5.30	43.2	9.8	135	1.15	0.55	194	6.6	4.70
DELTAPINE 50	599	B A	4.95	38.3	9.7	117	1.15	0.54	174	8.1	4.25
DELTAPINE 90	596	B A	5.65	44.0	8.1	134	1.15	0.55	196	7.1	4.35
ACALA 1517-88	584	B A C	4.95	41.1	9.7	153	1.19	0.55	211	6.4	3.90
CHEMBRED CBX1210	566	DB A C	4.70	42.9	8.5	143	1.15	0.55	216	6.5	3.90
ALL-TEX MAX-9	467	DB E C	5.30	41.3	9.6	146	1.19	0.59	218	7.1	4.40
ACALA W 5250	444	D E C	5.40	40.0	11.0	174	1.19	0.59	239	7.0	4.00
ACALA 1517-91	436	D E	4.30	42.8	10.2	149	1.17	0.56	211	6.0	4.30
PAYMASTER HS 26	395	E	7.00	39.9	9.8	134	1.07	0.52	200	8.3	4.25
ACALA 1517 SR-3	374	E	5.20	40.9	10.2	165	1.17	0.57	225	6.9	3.95
ACALA PREMA	373	E	5.80	41.7	9.9	166	1.14	0.54	242	6.4	3.80
ACALA GC 510	341	E	6.40	43.6	9.7	160	1.15	0.56	231	6.1	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
McNAIR 220	1.13	83.4	27.1	9.8	73.8	9.0	4.50	862	18.70	3.11	0.92
COKER 320	1.14	84.6	26.9	9.8	76.3	8.6	4.70	787	19.54	3.10	0.84
DELTAPINE 50	1.15	84.0	24.8	10.0	77.0	8.8	4.30	971	18.69	3.02	0.86
DELTAPINE 90	1.15	83.2	28.0	10.0	76.4	8.9	4.50	753	18.98	3.00	1.03
ACALA 1517-88	1.17	85.0	29.2	10.0	77.4	8.9	4.10	836	19.32	3.21	0.75
CHEMBRED CBX1210	1.14	83.9	27.3	9.8	76.0	9.0	4.15	753	18.20	2.98	0.50
ALL-TEX MAX-9	1.18	84.7	31.1	10.0	75.5	9.2	4.05	669	18.70	2.90	0.79
ACALA W 5250	1.21	85.5	32.4	10.0	76.9	8.7	3.85	666	18.45	3.11	0.80
ACALA 1517-91	1.14	84.9	30.7	10.0	76.0	8.8	4.20	583	19.25	3.26	0.80
PAYMASTER HS 26	1.09	84.0	30.7	10.5	77.1	8.5	4.10	598	18.66	2.96	0.86
ACALA 1517 SR-3	1.18	85.4	31.2	10.0	77.8	9.1	3.95	540	18.68	3.04	0.78
ACALA PREMA	1.17	85.7	32.4	10.5	74.9	9.1	3.75	524	16.96	3.05	0.53

ACALA GC 510	1.12	84.6	32.5	10.0	76.2	8.9	4.15	439	17.94	3.46	0.52

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
McNAIR 220	.	.	.	.	.	.	.
COKER 320	.	.	.	.	.	.	.
DELTAPINE 50	436	21.0	1.57	90	47.63	4.44	3.0
DELTAPINE 90	503	29.3	1.74	84	45.91	3.74	2.6
ACALA 1517-88	525	32.3	1.81	81	46.05	3.61	2.4
CHEMBRED CBX1210	.	.	.	.	.	.	.
ALL-TEX MAX-9	.	.	.	.	.	.	.
ACALA W 5250	.	.	.	.	.	.	.
ACALA 1517-91	.	.	.	.	.	.	.
PAYMASTER HS 26	446	21.3	1.58	90	46.60	4.23	2.9
ACALA 1517 SR-3	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.

1994 WESTERN REGIONAL COTTON VARIETY TEST
EL PASO, TX (IRR)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DELTAPINE 90	1605	A	4.68	41.3	8.8	135	1.13	0.55	209	7.1	4.70
McNAIR 220	1568	A	5.53	39.8	10.3	124	1.12	0.54	177	6.1	4.50
CHEMBRED CBX1210	1432	B A	5.65	40.4	11.0	137	1.18	0.55	217	6.3	4.75
ALL-TEX MAX-9	1414	B A	5.12	37.3	11.9	149	1.20	0.58	219	7.3	4.35
ACALA 1517-88	1361	B A C	4.99	39.6	11.2	151	1.17	0.55	216	6.4	4.45
ACALA 1517-91	1278	B D C	5.74	40.8	12.3	149	1.19	0.57	224	6.6	4.55
ACALA 1517 SR-3	1267	B D C	4.97	37.5	11.6	164	1.19	0.56	225	6.5	4.50
ACALA W 5250	1263	B D C	5.24	36.8	12.2	167	1.21	0.59	249	5.8	4.30

DELTAPINE 50	1196	B D C	4.97	37.7	9.9	115	1.11	0.55	184	8.5	5.05
ACALA GC 510	1194	B D C	5.88	40.3	11.5	156	1.11	0.57	218	6.5	4.60
COKER 320	1113	D C	4.89	40.8	9.9	127	1.13	0.54	192	6.8	5.00
ACALA PREMA	1053	D	6.00	38.8	12.1	168	1.15	0.57	252	6.9	4.40
PAYMASTER HS 26	1029	D	5.15	37.6	10.7	127	1.05	0.53	222	8.6	4.95

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 90	1.10	83.3	27.3	9.8	76.2	8.3	4.85	2278	21.15	3.34	0.82
McNAIR 220	1.11	83.0	25.5	9.4	78.5	8.5	4.70	2375	20.95	3.41	1.22
CHEMBRED CBX1210	1.14	83.2	29.2	9.9	77.3	8.4	4.90	2110	21.23	3.41	1.07
ALL-TEX MAX-9	1.19	84.5	29.2	9.7	78.3	8.4	4.40	2377	21.16	3.43	0.88
ACALA 1517-88	1.19	84.8	30.3	9.8	76.9	8.6	4.60	2075	21.39	3.48	0.62
ACALA 1517-91	1.16	84.8	29.6	9.9	77.5	8.7	4.70	1856	22.47	3.54	0.63
ACALA 1517 SR-3	1.18	84.9	31.3	10.0	77.7	7.9	4.45	2118	21.84	3.64	1.06
ACALA W 5250	1.23	85.3	31.2	9.8	77.7	8.3	4.25	2166	21.12	3.63	0.86
DELTAPINE 50	1.13	83.7	22.5	9.8	78.3	8.2	5.20	1973	19.88	3.47	0.74
ACALA GC 510	1.14	84.8	28.4	9.8	79.4	8.5	4.60	1772	21.66	3.66	0.80
COKER 320	1.11	82.9	26.3	9.7	76.3	8.8	5.05	1614	20.92	3.56	0.91
ACALA PREMA	1.13	84.1	31.7	10.0	77.2	8.3	4.45	1666	20.74	3.76	0.81
PAYMASTER HS 26	1.04	84.0	27.1	10.0	76.6	8.4	5.05	1708	20.43	3.28	0.80

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 90	447	19.0	1.53	92	44.80	4.04	3.0
McNAIR 220	.	.	.	.	.	.	.
CHEMBRED CBX1210	.	.	.	.	.	.	.
ALL-TEX MAX-9	.	.	.	.	.	.	.
ACALA 1517-88	450	13.5	1.39	97	40.02	3.54	3.0
ACALA 1517-91	.	.	.	.	.	.	.
ACALA 1517 SR-3	.	.	.	.	.	.	.

ACALA W 5250	.	.	.	.	.	.	.
DELTAPINE 50	423	20.8	1.57	91	48.89	4.69	3.1
ACALA GC 510	.	.	.	.	.	.	.
COKER 320	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
PAYMASTER HS 26	427	17.0	1.48	94	45.32	4.27	3.1

1994 WESTERN REGIONAL COTTON VARIETY TEST
PECOS, TX (IRR)

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PAYMASTER HS 26	1155	A	4.97	35.7	10.6	132	1.05	0.51	204	8.9	4.60
DELTAPINE 90	1116	A	4.35	37.3	8.4	126	1.05	0.49	184	7.1	4.15
McNAIR 220	1113	A	4.69	35.6	10.3	120	1.10	0.53	178	6.5	3.90
ACALA 1517-88	1082	B A	4.41	36.7	10.3	150	1.14	0.53	209	6.5	3.90
DELTAPINE 50	1052	B A C	4.35	33.4	9.5	115	1.09	0.50	166	8.8	4.20
ALL-TEX MAX-9	1037	B A C	4.78	34.8	11.3	152	1.15	0.52	218	6.3	3.95
ACALA W 5250	993	DB A C	4.79	36.2	10.5	165	1.15	0.55	244	6.5	3.75
COKER 320	935	DB E C	4.70	35.2	10.3	128	1.10	0.53	180	6.4	4.40
ACALA 1517 SR-3	896	D E C	3.68	34.3	10.8	161	1.15	0.54	239	7.0	3.90
ACALA 1517-91	861	D E	4.75	36.6	11.9	147	1.11	0.54	225	6.4	3.90
CHEMBRED CBX1210	855	D E	4.66	35.8	9.6	134	1.09	0.52	211	6.5	4.10
ACALA PREMA	824	E	4.62	36.9	10.7	165	1.12	0.54	259	7.5	3.65
ACALA GC 510	771	E	4.89	36.2	9.9	159	1.13	0.56	241	6.6	3.70

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	Seed Data OIL (%)	Seed Data NITROGEN (%)	Seed Data FREE GOSSYPOL (%)
PAYMASTER HS 26	1.03	82.8	28.1	10.5	79.3	7.8	4.70	2147	20.50	3.17	1.07

DELTAPINE 90	1.05	80.6	28.0	10.0	80.7	7.5	4.25	2037	20.55	3.02	1.07
McNAIR 220	1.04	80.7	23.4	9.3	79.0	7.8	4.10	2184	20.60	3.14	0.85
ACALA 1517-88	1.13	81.5	29.0	9.8	78.3	7.8	3.95	1908	21.65	3.57	0.18
DELTAPINE 50	1.08	81.5	22.3	10.0	79.9	7.5	4.30	2162	20.70	3.53	1.16
ALL-TEX MAX-9	1.15	82.8	28.4	9.8	78.3	8.0	4.00	2026	21.18	3.23	0.88
ACALA W 5250	1.16	83.0	30.0	9.8	78.3	7.5	3.80	1834	20.91	3.37	0.84
COKER 320	1.09	82.1	23.8	9.5	78.9	7.9	4.35	1761	20.35	3.08	0.86
ACALA 1517 SR-3	1.14	82.5	31.3	10.0	79.5	8.0	3.95	1933	21.03	3.12	0.80
ACALA 1517-91	1.10	82.8	29.7	9.9	79.0	8.0	3.95	1661	21.75	3.13	0.86
CHEMBRED CBX1210	1.08	81.3	26.4	9.8	79.5	7.7	4.25	1700	20.96	3.11	0.83
ACALA PREMA	1.10	82.3	31.1	9.9	79.0	7.9	3.45	1423	20.91	3.13	0.69
ACALA GC 510	1.08	82.8	30.6	10.0	80.2	7.9	3.75	1710	20.87	3.37	0.56

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PAYMASTER HS 26	450	20.8	1.57	90	45.89	4.13	2.9
DELTAPINE 90	480	20.5	1.55	91	42.21	3.54	2.8
McNAIR 220	.	.	.	.	.	.	.
ACALA 1517-88	504	25.3	1.66	87	43.53	3.51	2.6
DELTAPINE 50	490	34.3	1.85	80	50.85	4.31	2.6
ALL-TEX MAX-9	.	.	.	.	.	.	.
ACALA W 5250	.	.	.	.	.	.	.
COKER 320	.	.	.	.	.	.	.
ACALA 1517 SR-3	.	.	.	.	.	.	.
ACALA 1517-91	.	.	.	.	.	.	.
CHEMBRED CBX1210	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.

1994 WESTERN REGIONAL COTTON VARIETY TEST
ARTESIA, NM (IRR)

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

CHEMBRED CBX1210	1243	A	5.77	37.8	10.2	168	1.21	0.59	251	7.0	3.85
ALL-TEX MAX-9	1229	A	5.82	37.1	11.8	165	1.19	0.58	233	7.0	3.95
ACALA W 5250	1187	B A	6.44	37.4	12.7	178	1.27	0.61	233	6.6	4.05
DELTAPINE 90	1174	B A	5.19	38.3	9.4	159	1.19	0.57	236	7.6	4.00
DELTAPINE 50	1071	B A C	5.38	35.3	10.8	134	1.19	0.56	190	9.5	4.20
ACALA 1517-91	1067	B A C	6.68	38.8	11.9	172	1.19	0.60	257	7.3	3.85
ACALA 1517-88	1055	B A C	5.60	37.8	11.1	166	1.25	0.62	237	7.0	3.85
McNAIR 220	1040	B A C	6.14	39.1	10.8	147	1.18	0.56	205	7.3	3.85
PAYMASTER HS 26	1006	B D C	6.18	37.7	11.3	138	1.16	0.59	223	10	4.65
ACALA 1517 SR-3	921	E D C	5.28	38.6	11.7	177	1.24	0.60	266	7.1	3.95
COKER 320	841	E D	6.02	39.2	10.8	153	1.22	0.59	204	6.9	4.25
ACALA PREMA	802	E F	6.61	36.4	11.9	190	1.25	0.60	266	7.3	3.65
ACALA GC 510	647	F	5.86	38.4	11.0	175	1.21	0.59	252	7.3	3.60

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data				
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
CHEMBRED CBX1210	1.23	87.3	31.9	10.0	78.6	8.0	3.65	1978	19.83	3.31	0.87
ALL-TEX MAX-9	1.21	85.9	31.9	10.0	78.0	8.7	3.75	2163	21.13	3.26	0.93
ACALA W 5250	1.25	87.7	33.5	10.0	78.5	8.6	4.05	2269	21.35	3.29	0.86
DELTAPINE 90	1.19	85.2	31.4	10.5	78.4	8.1	3.90	2024	19.11	3.23	1.10
DELTAPINE 50	1.22	86.5	25.0	11.0	81.0	8.5	3.90	1997	18.67	3.02	1.12
ACALA 1517-91	1.23	88.4	32.2	10.0	76.7	8.7	3.85	1654	22.00	3.24	0.87
ACALA 1517-88	1.23	85.9	33.7	10.0	78.1	8.9	3.80	1697	20.04	3.38	0.85
McNAIR 220	1.16	84.3	29.0	10.0	78.6	8.9	3.85	1634	19.24	3.33	0.82
PAYMASTER HS 26	1.12	85.8	30.9	11.0	79.5	8.4	4.55	1827	21.40	3.16	1.07
ACALA 1517 SR-3	1.23	87.5	34.5	10.5	79.6	8.4	3.80	1405	20.61	3.44	0.83
COKER 320	1.21	86.7	29.9	10.0	77.1	8.6	4.15	1277	19.27	3.35	0.63
ACALA PREMA	1.23	87.8	36.0	11.0	78.8	8.4	3.45	1200	20.38	3.39	0.62
ACALA GC 510	1.20	86.2	33.9	10.0	81.0	8.7	3.40	872	19.45	3.56	0.52

	Arealometer Data						
VARIETY	A	D	I	M	p	w	t

	(mm2/mm3)	(mm2/mm3)		(%)	(microns)	(mg/inch)	(microns)
CHEMBRED CBX1210	.	.	.	.	.	.	.
ALL-TEX MAX-9	.	.	.	.	.	.	.
ACALA W 5250	.	.	.	.	.	.	.
DELTAPINE 90	527	37.0	1.90	78	48.63	3.85	2.4
DELTAPINE 50	537	46.0	2.06	72	52.56	4.14	2.4
ACALA 1517-91	.	.	.	.	.	.	.
ACALA 1517-88	530	31.0	1.78	82	44.74	3.47	2.4
McNAIR 220	.	.	.	.	.	.	.
PAYMASTER HS 26	449	19.8	1.54	91	45.22	4.07	2.9
ACALA 1517 SR-3	.	.	.	.	.	.	.
COKER 320	.	.	.	.	.	.	.
ACALA PREMA	.	.	.	.	.	.	.
ACALA GC 510	.	.	.	.	.	.	.

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
PHYTOGEN 27	1314	A	7.57	38.6	12.6	142	1.15	0.54	232	7.2	3.85
OA 204	1309	A	7.40	39.0	13.3	153	1.15	0.56	236	7.1	4.30

GC 9204	1302	A	7.17	39.1	15.1	148	1.16	0.56	235	6.1	4.28
CBX 392	1289	B A	6.30	40.1	12.8	155	1.17	0.57	256	6.1	3.93
GC 9001	1283	B A	6.61	38.2	12.7	155	1.17	0.57	241	6.5	4.25
DPX 9302	1262	B A	6.67	40.0	12.4	153	1.19	0.57	243	6.4	4.20
CPCSD C-225	1253	B A	7.22	39.8	13.9	162	1.19	0.57	248	5.9	4.03
DELTAPINE 90	1253	B A	5.63	38.8	10.5	111	1.15	0.54	181	7.9	4.08
PHY 33	1249	B A	6.76	38.3	12.7	151	1.19	0.58	252	6.8	4.03
CPCSD C-224	1244	B A	6.88	41.9	11.6	161	1.19	0.56	261	6.1	4.03
DELTAPINE 50	1218	B A	6.59	36.4	12.2	137	1.18	0.56	224	7.0	3.93
ACALA MAXXA	1203	B A	6.45	42.0	12.2	151	1.18	0.57	224	6.5	3.88
PHY 32	1202	B A	6.29	39.8	12.8	166	1.17	0.57	263	6.8	4.08
OA 201	1201	B A	6.11	40.5	12.5	149	1.15	0.54	228	6.8	3.85
GC 9203	1196	B A	6.59	38.5	13.2	147	1.19	0.57	249	7.0	4.21
C-133	1187	B A	6.51	42.1	12.2	156	1.18	0.56	249	7.6	4.18
ACALA 1517-88	1149	B A	5.87	38.3	12.0	147	1.18	0.55	222	6.0	3.90
PAYMASTER HS 26	1136	B A	6.83	35.5	12.8	125	1.11	0.53	214	7.9	4.43
WLF 31	1113	B	7.81	35.8	12.8	159	1.19	0.57	247	6.5	3.85

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
PHYTOGEN 27	1.13	81.5	29.8	9.2	76.2	8.0	3.88	2000	19.96	3.90	0.62
OA 204	1.15	83.0	30.8	9.9	75.3	8.1	4.35	2103	19.78	3.88	0.59
GC 9204	1.16	83.3	30.9	9.8	75.6	8.3	4.43	2060	19.89	3.85	0.49
CBX 392	1.15	82.9	33.7	10.0	75.7	8.1	3.93	1887	19.72	3.90	0.50
GC 9001	1.15	83.7	32.4	10.0	76.1	8.3	4.30	2069	19.57	3.91	0.54
DPX 9302	1.16	84.0	33.8	10.0	75.5	8.2	4.23	1847	20.10	4.13	0.61
CPCSD C-225	1.17	83.3	32.9	10.0	76.3	8.2	4.00	1844	20.52	3.79	0.49
DELTAPINE 90	1.12	81.2	23.5	9.4	76.6	7.9	4.05	2005	19.02	3.67	0.95
PHY 33	1.17	82.8	31.2	9.9	75.5	8.1	4.03	1827	19.96	3.93	0.54
CPCSD C-224	1.17	83.1	35.2	10.0	75.4	8.0	3.98	1729	20.67	4.11	0.55
DELTAPINE 50	1.14	81.3	30.4	9.8	75.5	7.9	3.95	2119	19.85	3.81	0.82
ACALA MAXXA	1.14	82.6	31.0	9.4	76.2	8.2	3.85	1565	19.80	4.01	0.68

PHY 32	1.16	83.5	33.0	9.9	75.5	8.2	4.13	1875	21.13	3.87	0.43
OA 201	1.14	82.2	30.9	9.5	76.8	8.1	3.95	1796	20.09	3.92	0.63
GC 9203	1.16	83.5	32.5	10.0	67.5	7.0	4.25	1886	19.37	4.00	0.53
C-133	1.17	84.0	32.0	10.0	76.1	8.2	4.13	1597	19.29	4.07	0.52
ACALA 1517-88	1.19	82.5	32.6	9.8	74.3	8.4	3.85	1891	20.15	3.58	0.72
PAYMASTER HS 26	1.07	81.8	27.8	10.0	76.0	8.0	4.38	2051	20.20	3.69	0.82
WLF 31	1.19	83.3	31.6	9.7	75.8	8.1	3.85	1960	19.40	3.82	0.62

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
PHYTOGEN 27	.	.	.	.	.	.	.
OA 204	.	.	.	.	.	.	.
GC 9204	.	.	.	.	.	.	.
CBX 392	.	.	.	.	.	.	.
GC 9001	.	.	.	.	.	.	.
DPX 9302	.	.	.	.	.	.	.
CPCSD C-225	.	.	.	.	.	.	.
DELTAPINE 90	515	38.4	1.92	77	50.58	4.11	2.49
PHY 33	.	.	.	.	.	.	.
CPCSD C-224	.	.	.	.	.	.	.
DELTAPINE 50	521	33.8	1.83	80	47.27	3.76	2.46
ACALA MAXXA	.	.	.	.	.	.	.
PHY 32	.	.	.	.	.	.	.
OA 201	.	.	.	.	.	.	.
GC 9203	.	.	.	.	.	.	.
C-133	.	.	.	.	.	.	.
ACALA 1517-88	518	29.3	1.74	83	44.80	3.54	2.48
PAYMASTER HS 26	479	29.6	1.75	83	49.03	4.22	2.69
WLF 31	.	.	.	.	.	.	.

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
WLF 31	7.81	A	C-133	42.1	A	GC 9204	15.1	A
PHYTOGEN 27	7.57	B A	ACALA MAXXA	42.0	A	CPCSD C-225	13.9	B A
OA 204	7.40	B A	CPCSD C-224	41.9	A	OA 204	13.3	B C
CPCSD C-225	7.22	B A C	OA 201	40.5	B A	GC 9203	13.2	B C
GC 9204	7.17	B A C	CBX 392	40.1	B A	PAYMASTER HS 26	12.8	B C D
CPCSD C-224	6.88	B A C	DPX 9302	40.0	B A	CBX 392	12.8	B C D
PAYMASTER HS 26	6.83	B A C	CPCSD C-225	39.8	B A	WLF 31	12.8	B C D
PHY 33	6.76	B A C	PHY 32	39.8	B A	PHY 32	12.8	B C D
DPX 9302	6.67	B A C	GC 9204	39.1	B	GC 9001	12.7	B C D
GC 9001	6.61	B A C	OA 204	39.0	B	PHY 33	12.7	B C D
DELTAPINE 50	6.59	B A C	DELTAPINE 90	38.8	B	PHYTOGEN 27	12.6	B C D
GC 9203	6.59	B A C	PHYTOGEN 27	38.6	B C	OA 201	12.5	C D
C-133	6.51	B A C	GC 9203	38.5	B C	DPX 9302	12.4	C D
ACALA MAXXA	6.45	B A C	ACALA 1517-88	38.3	B C	C-133	12.2	C D
CBX 392	6.30	B A C	PHY 33	38.3	B C	ACALA MAXXA	12.2	C D
PHY 32	6.29	B A C	GC 9001	38.2	B C	DELTAPINE 50	12.2	C D
OA 201	6.11	B A C	DELTAPINE 50	36.4	D C	ACALA 1517-88	12.0	C D
ACALA 1517-88	5.87	B C	WLF 31	35.8	D	CPCSD C-224	11.6	E D
DELTAPINE 90	5.63	C	PAYMASTER HS 26	35.5	D	DELTAPINE 90	10.5	E

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
PHY 32	166	A	CPCSD C-224	1.19	A	PHY 33	0.58	A
CPCSD C-225	162	B A	CPCSD C-225	1.19	A	ACALA MAXXA	0.57	A
CPCSD C-224	161	B A C	GC 9203	1.19	A	GC 9001	0.57	A
WLF 31	159	DB A C	PHY 33	1.19	A	CBX 392	0.57	A
C-133	156	DBEA C	DPX 9302	1.19	A	CPCSD C-225	0.57	A
CBX 392	155	DBEA C	WLF 31	1.19	A	GC 9203	0.57	A
GC 9001	155	DBEA C	DELTAPINE 50	1.18	A	PHY 32	0.57	A
OA 204	153	DBE C	ACALA 1517-88	1.18	A	DPX 9302	0.57	A
DPX 9302	153	DBE C	ACALA MAXXA	1.18	A	WLF 31	0.57	A
PHY 33	151	DBEF C	C-133	1.18	A	DELTAPINE 50	0.56	A
ACALA MAXXA	151	D EF C	GC 9001	1.17	A	CPCSD C-224	0.56	A
OA 201	149	D EF	CBX 392	1.17	A	GC 9204	0.56	A
GC 9204	148	DGEF	PHY 32	1.17	A	C-133	0.56	A

GC 9203	147	DGEF
ACALA 1517-88	147	GEF
PHYTOGEN 27	142	G F
DELTAPINE 50	137	G
PAYMASTER HS 26	125	H
DELTAPINE 90	111	I

GC 9204	1.16	A
DELTAPINE 90	1.15	A
PHYTOGEN 27	1.15	A
OA 201	1.15	A
OA 204	1.15	A
PAYMASTER HS 26	1.11	B

OA 204	0.56	A
ACALA 1517-88	0.55	A
DELTAPINE 90	0.54	A
PHYTOGEN 27	0.54	A
OA 201	0.54	A
PAYMASTER HS 26	0.53	A

STELOMETER - T1

PHY 32	263	A
CPCSD C-224	261	B A
CBX 392	256	B A C
PHY 33	252	DB A C
GC 9203	249	DB E C
C-133	249	DB E C
CPCSD C-225	248	DF E C
WLF 31	247	DF E C
DPX 9302	243	DFGE C
GC 9001	241	DFGE
OA 204	236	FGE H
GC 9204	235	FG H
PHYTOGEN 27	232	GI H
OA 201	228	I H
ACALA MAXXA	224	J I H
DELTAPINE 50	224	J I H
ACALA 1517-88	222	J I
PAYMASTER HS 26	214	J
DELTAPINE 90	181	K

STELOMETER - E1

PAYMASTER HS 26	7.9	A
DELTAPINE 90	7.9	A
C-133	7.6	B A
PHYTOGEN 27	7.2	B A C
OA 204	7.1	DB A C
GC 9203	7.0	DBEA C
DELTAPINE 50	7.0	DBEAFC
PHY 32	6.8	DBE FC
PHY 33	6.8	DBE FC
OA 201	6.8	DBE FC
ACALA MAXXA	6.5	DBE FC
GC 9001	6.5	DBE FC
WLF 31	6.5	DBE FC
DPX 9302	6.4	D E FC
CBX 392	6.1	D E F
CPCSD C-224	6.1	D E F
GC 9204	6.1	D E F
ACALA 1517-88	6.0	E F
CPCSD C-225	5.9	F

MICRONAIRE

PAYMASTER HS 26	4.43	A
OA 204	4.30	B A
GC 9204	4.28	B A C
GC 9001	4.25	B A C
GC 9203	4.21	B A C
DPX 9302	4.20	B A C
C-133	4.18	DB A C
DELTAPINE 90	4.08	DB E C
PHY 32	4.08	DB E C
CPCSD C-224	4.03	D E C
CPCSD C-225	4.03	D E C
PHY 33	4.03	D E C
DELTAPINE 50	3.93	D E
CBX 392	3.93	D E
ACALA 1517-88	3.90	E
ACALA MAXXA	3.88	E
PHYTOGEN 27	3.85	E
OA 201	3.85	E
WLF 31	3.85	E

2.5% S.L. (INCHES)

ACALA 1517-88	1.19	A
WLF 31	1.19	A
CPCSD C-224	1.17	B A
CPCSD C-225	1.17	B A
C-133	1.17	B A
PHY 33	1.17	B A
GC 9203	1.16	B A
GC 9204	1.16	B A C

UR (PERCENT)

C-133	84.0	A
DPX 9302	84.0	A
GC 9001	83.7	B A
PHY 32	83.5	B A C
GC 9203	83.5	B A C
CPCSD C-225	83.3	B A C
WLF 31	83.3	DB A C
GC 9204	83.3	DB A C

STRENGTH (G/TEX)

CPCSD C-224	35.2	A
DPX 9302	33.8	B A
CBX 392	33.7	B A
PHY 32	33.0	B C
CPCSD C-225	32.9	B C
ACALA 1517-88	32.6	B C D
GC 9203	32.5	B C D
GC 9001	32.4	B C D

PHY 32	1.16	B A C
DPX 9302	1.16	B A C
GC 9001	1.15	B D C
CBX 392	1.15	B D C
OA 204	1.15	B D C
DELTAPINE 50	1.14	B D C
ACALA MAXXA	1.14	B D C
OA 201	1.14	B D C
PHYTOGEN 27	1.13	D C
DELTAPINE 90	1.12	D
PAYMASTER HS 26	1.07	E

CPCSD C-224	83.1	DB A C
OA 204	83.0	DB A C
CBX 392	82.9	DB C
PHY 33	82.8	DB E C
ACALA MAXXA	82.6	DB E C
ACALA 1517-88	82.5	DF E C
OA 201	82.2	DF E G
PAYMASTER HS 26	81.8	HF E G
PHYTOGEN 27	81.5	HF G
DELTAPINE 50	81.3	H G
DELTAPINE 90	81.2	H

C-133	32.0	EB C D
WLF 31	31.6	EF C D
PHY 33	31.2	EF C D
ACALA MAXXA	31.0	EF D
GC 9204	30.9	EF D
OA 201	30.9	EF D
OA 204	30.8	EF D
DELTAPINE 50	30.4	EF
PHYTOGEN 27	29.8	F
PAYMASTER HS 26	27.8	G
DELTAPINE 90	23.5	H

E

GC 9001	10.0	A
CBX 392	10.0	A
CPCSD C-224	10.0	A
GC 9203	10.0	A
C-133	10.0	A
DPX 9302	10.0	A
PAYMASTER HS 26	10.0	A
CPCSD C-225	10.0	A
PHY 32	9.9	B A
PHY 33	9.9	B A
OA 204	9.9	B A
DELTAPINE 50	9.8	B A C
GC 9204	9.8	B A C
ACALA 1517-88	9.8	DB A C
WLF 31	9.7	DB A C
OA 201	9.5	DB E C
ACALA MAXXA	9.4	D E C
DELTAPINE 90	9.4	D E
PHYTOGEN 27	9.2	E

COLORIMETER - Rd

OA 201	76.8	A
DELTAPINE 90	76.6	A
CPCSD C-225	76.3	A
ACALA MAXXA	76.2	A
PHYTOGEN 27	76.2	A
GC 9001	76.1	A
C-133	76.1	A
PAYMASTER HS 26	76.0	A
WLF 31	75.8	A
CBX 392	75.7	A
GC 9204	75.6	A
DELTAPINE 50	75.5	A
DPX 9302	75.5	A
PHY 33	75.5	A
PHY 32	75.5	A
CPCSD C-224	75.4	A
OA 204	75.3	A
ACALA 1517-88	74.3	A
GC 9203	67.5	A

COLORIMETER - b

ACALA 1517-88	8.4	A
GC 9204	8.3	A
GC 9001	8.3	A
ACALA MAXXA	8.2	A
C-133	8.2	A
PHY 32	8.2	B A
DPX 9302	8.2	B A
CPCSD C-225	8.2	B A
OA 201	8.1	B A
OA 204	8.1	B A
CBX 392	8.1	B A
PHY 33	8.1	B A
WLF 31	8.1	B A
CPCSD C-224	8.0	B A
PHYTOGEN 27	8.0	B A
PAYMASTER HS 26	8.0	B A
DELTAPINE 90	7.9	B A
DELTAPINE 50	7.9	B A
GC 9203	7.0	B

MICRONAIRE (SL-HVI)

GC 9204	4.43	A
PAYMASTER HS 26	4.38	B A
OA 204	4.35	B A

OIL (PERCENT)

PHY 32	21.13	A
CPCSD C-224	20.67	B A
CPCSD C-225	20.52	B A C

NITROGEN (PERCENT)

DPX 9302	4.13	A
CPCSD C-224	4.11	B A
C-133	4.07	B A C

GC 9001	4.30	B A C
GC 9203	4.25	DB A C
DPX 9302	4.23	DBEA C
C-133	4.13	DBEF C
PHY 32	4.13	DBEF C
DELTAPINE 90	4.05	D EF C
PHY 33	4.03	D EF C
CPCSD C-225	4.00	D EF
CPCSD C-224	3.98	D EF
DELTAPINE 50	3.95	EF
OA 201	3.95	EF
CBX 392	3.93	F
PHYTOGEN 27	3.88	F
ACALA 1517-88	3.85	F
ACALA MAXXA	3.85	F
WLF 31	3.85	F

PAYMASTER HS 26	20.20	DB A C
ACALA 1517-88	20.15	DB C
DPX 9302	20.10	DB C
OA 201	20.09	DB C
PHYTOGEN 27	19.96	DB E C
PHY 33	19.96	DB E C
GC 9204	19.89	DB E C
DELTAPINE 50	19.85	DB E C
ACALA MAXXA	19.80	DB E C
OA 204	19.78	DB E C
CBX 392	19.72	DB E C
GC 9001	19.57	D E C
WLF 31	19.40	D E
GC 9203	19.37	D E
C-133	19.29	D E
DELTAPINE 90	19.02	E

ACALA MAXXA	4.01	DB A C
GC 9203	4.00	DB A C
PHY 33	3.93	DBEA C
OA 201	3.92	DBEA C
GC 9001	3.91	DBEAFC
CBX 392	3.90	DBEAFC
PHYTOGEN 27	3.90	DBEAFC
OA 204	3.88	DBE FC
PHY 32	3.87	DBE FC
GC 9204	3.85	D E FC
WLF 31	3.82	D E F
DELTAPINE 50	3.81	D EGF
CPCSD C-225	3.79	D EGF
PAYMASTER HS 26	3.69	EGF
DELTAPINE 90	3.67	GF
ACALA 1517-88	3.58	G

FREE GOSSYPOL (PERCENT)

DELTAPINE 90	0.95	A
DELTAPINE 50	0.82	B A
PAYMASTER HS 26	0.82	B A C
ACALA 1517-88	0.72	B D C
ACALA MAXXA	0.68	EB D C
OA 201	0.63	EB D C
PHYTOGEN 27	0.62	EF D C
WLF 31	0.62	EF D C
DPX 9302	0.61	EF D
OA 204	0.59	EF D
CPCSD C-224	0.55	EF D
GC 9001	0.54	EF D
PHY 33	0.54	EF D
GC 9203	0.53	EF D
C-133	0.52	EF D
CBX 392	0.50	EF
CPCSD C-225	0.49	EF
GC 9204	0.49	EF
PHY 32	0.43	F

SEED YIELD (LB/ACRE)

DELTAPINE 50	2119	A
OA 204	2103	A
GC 9001	2068	B A
GC 9204	2060	B A C
PAYMASTER HS 26	2051	B A C
DELTAPINE 90	2004	DB A C
PHYTOGEN 27	2000	DB A C
WLF 31	1959	DBEA C
ACALA 1517-88	1890	DBEF C
CBX 392	1886	DBEF C
GC 9203	1886	DBEF C
PHY 32	1875	D EF C
DPX 9302	1847	D EF
CPCSD C-225	1844	D EF
PHY 33	1827	D EF
OA 201	1795	EF
CPCSD C-224	1729	G F
C-133	1596	G
ACALA MAXXA	1565	G

AREALOMETER - A (mm2/mm3)

AREALOMETER - D (mm2/mm3)

AREALOMETER - I

DELTAPINE 50	521	A
ACALA 1517-88	518	A
DELTAPINE 90	515	A
PAYMASTER HS 26	479	B

DELTAPINE 90	38.4	A
DELTAPINE 50	33.8	B A
PAYMASTER HS 26	29.6	B
ACALA 1517-88	29.3	B

DELTAPINE 90	1.9	A
DELTAPINE 50	1.8	B A
PAYMASTER HS 26	1.8	B
ACALA 1517-88	1.7	B

AREALOMETER - M (PERCENT)

ACALA 1517-88	83	A
PAYMASTER HS 26	83	A
DELTAPINE 50	80	B A
DELTAPINE 90	77	B

AREALOMETER - p (Microns)

DELTAPINE 90	50.58	A
PAYMASTER HS 26	49.03	B A
DELTAPINE 50	47.27	B
ACALA 1517-88	44.80	C

AREALOMETER -w (MG/INCH)

PAYMASTER HS 26	4.22	A
DELTAPINE 90	4.11	A
DELTAPINE 50	3.76	B
ACALA 1517-88	3.54	B

AREALOMETER - t (MICRONS)

PAYMASTER HS 26	2.69	A
DELTAPINE 90	2.49	B
ACALA 1517-88	2.48	B
DELTAPINE 50	2.46	B

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
W SIDE FIELD STATION, CA	1764	A	6.45	39.5	12.7	154	1.19	0.57	243	6.7	4.26
SHAFTER, CA	691	B	6.93	38.6	12.6	143	1.15	0.55	233	6.8	3.89

LOCATION	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
W SIDE FIELD STATION, CA	1.17	83.7	31.9	9.9	73.8	7.8	4.30	2703	20.93	3.77	0.74
SHAFTER, CA	1.13	82.0	31.0	9.7	76.2	8.2	3.87	1097	18.85	4.02	0.47

LOCATION	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
W SIDE FIELD STATION, CA	488	29.6	1.75	83	48.06	4.06	2.6
SHAFTER, CA	528	35.9	1.87	79	47.79	3.75	2.4

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
SHAFTER, CA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
OA 204	815	A	7.62	39.6	13.2	149	1.12	0.53	235	6.8	4.15
DELTAPINE 90	773	B A	6.05	38.1	10.3	103	1.13	0.53	173	7.8	3.80
PHYTOGEN 27	762	B A	7.88	38.1	12.5	140	1.12	0.50	231	6.9	3.65
GC 9204	745	B A C	7.40	38.9	14.5	144	1.14	0.54	228	5.6	4.20
GC 9001	740	B A C	6.99	38.3	12.5	142	1.15	0.56	243	6.8	4.05
PHY 33	733	B A C	6.78	37.5	12.7	142	1.19	0.60	250	7.3	3.90

DELTAPINE 50	711	B A C	6.75	36.1	11.5	133	1.17	0.55	217	6.9	3.60
PHY 32	706	B A C	6.46	40.7	12.7	164	1.15	0.55	257	6.9	4.05
CBX 392	692	B A C	5.24	39.7	13.2	152	1.15	0.55	249	6.3	3.80
DPX 9302	690	B A C	7.66	37.9	12.8	152	1.19	0.57	239	6.5	4.10
CPCSD C-225	689	B A C	8.05	39.4	13.9	155	1.19	0.57	240	6.4	3.80
PAYMASTER HS 26	688	B A C	7.73	34.9	12.7	120	1.10	0.53	216	8.0	4.30
GC 9203	683	B A C	7.33	37.6	13.4	140	1.18	0.56	241	7.3	4.03
CPCSD C-224	656	B A C	6.26	40.6	12.4	154	1.17	0.53	255	6.3	3.80
ACALA 1517-88	655	B A C	6.08	38.6	11.4	139	1.17	0.54	214	5.8	3.65
WLF 31	649	B A C	7.56	35.8	12.9	160	1.17	0.55	244	7.0	3.60
ACALA MAXXA	625	B C	6.73	41.4	12.8	145	1.17	0.58	211	6.8	3.65
C-133	565	C	6.67	42.2	12.3	149	1.17	0.55	247	7.5	4.05
OA 201	565	C	6.03	39.5	11.6	141	1.11	0.51	222	6.3	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 Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
OA 204	1.14	82.3	30.7	9.8	76.0	8.1	4.25	1285	18.84	3.99	0.46
DELTAPINE 90	1.09	79.8	23.1	9.0	75.6	8.1	3.70	1287	17.85	3.84	0.73
PHYTOGEN 27	1.10	80.8	29.2	9.0	77.1	8.0	3.60	1136	18.85	4.02	0.53
GC 9204	1.14	82.5	30.1	9.6	76.2	8.3	4.40	1200	18.50	3.99	0.32
GC 9001	1.13	82.4	31.1	10.0	76.4	8.6	4.05	1246	18.41	4.05	0.41
PHY 33	1.15	81.8	30.3	9.7	75.2	8.3	3.80	1069	19.20	4.07	0.48
DELTAPINE 50	1.13	80.8	29.7	9.6	75.7	8.0	3.65	1208	19.29	3.87	0.66
PHY 32	1.15	82.9	32.2	9.8	76.5	8.3	4.05	1100	19.59	4.01	0.36
CBX 392	1.13	82.3	33.4	10.0	76.4	8.2	3.75	1120	18.85	4.10	0.46
DPX 9302	1.14	83.1	33.4	10.0	75.7	8.3	4.05	1106	19.49	4.31	0.44
CPCSD C-225	1.16	83.0	33.1	9.9	76.9	8.1	3.75	1013	19.18	3.89	0.30
PAYMASTER HS 26	1.06	81.1	28.0	9.9	76.0	8.1	4.20	1341	18.97	3.83	0.63
GC 9203	1.14	82.7	32.2	10.0	76.6	8.2	4.00	1094	18.46	4.13	0.39
CPCSD C-224	1.14	81.9	36.1	10.0	76.5	8.1	3.70	943	19.36	4.36	0.38
ACALA 1517-88	1.16	81.6	31.5	9.6	74.8	8.7	3.70	1053	19.40	3.49	0.70
WLF 31	1.17	82.8	31.9	9.6	75.8	8.2	3.50	1133	18.16	3.99	0.47
ACALA MAXXA	1.11	81.5	30.2	9.2	76.7	8.4	3.60	837	19.02	4.03	0.62
C-133	1.14	83.0	31.3	10.0	76.4	8.3	3.95	755	18.52	4.21	0.30
OA 201	1.11	80.8	29.8	9.2	76.8	8.3	3.75	927	18.61	4.06	0.49

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
OA 204	.	.	.	.	.	.	.
DELTAPINE 90	544	44.0	2.02	73	50.74	3.92	2.3
PHYTOGEN 27	.	.	.	.	.	.	.
GC 9204	.	.	.	.	.	.	.
GC 9001	.	.	.	.	.	.	.
PHY 33	.	.	.	.	.	.	.
DELTAPINE 50	545	36.3	1.88	78	46.47	3.53	2.3
PHY 32	.	.	.	.	.	.	.
CBX 392	.	.	.	.	.	.	.
DPX 9302	.	.	.	.	.	.	.
CPCSD C-225	.	.	.	.	.	.	.
PAYMASTER HS 26	493	31.8	1.80	82	48.95	4.10	2.6
GC 9203	.	.	.	.	.	.	.
CPCSD C-224	.	.	.	.	.	.	.
ACALA 1517-88	532	31.5	1.79	82	44.99	3.47	2.4
WLF 31	.	.	.	.	.	.	.
ACALA MAXXA	.	.	.	.	.	.	.
C-133	.	.	.	.	.	.	.
OA 201	.	.	.	.	.	.	.

1994 SAN JOAQUIN REGIONAL COTTON VARIETY TEST
W SIDE FIELD STATION, CA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
CBX 392	1886	A	7.36	40.5	12.4	157	1.19	0.60	264	5.9	4.05
PHYTOGEN 27	1865	A	7.26	39.1	12.6	143	1.19	0.58	233	7.5	4.05
GC 9204	1859	A	6.93	39.4	15.8	151	1.19	0.58	242	6.5	4.35
OA 201	1836	A	6.18	41.6	13.3	156	1.19	0.57	234	7.3	4.15
DPX 9302	1835	A	5.69	42.1	12.0	154	1.19	0.58	247	6.3	4.30
CPCSD C-224	1833	A	7.50	43.2	10.9	168	1.21	0.59	268	5.9	4.25

GC 9001	1825	B A	6.23	38.0	12.9	167	1.19	0.58	240	6.3	4.45
CPCSD C-225	1817	B A	6.40	40.3	14.0	169	1.19	0.57	256	5.5	4.25
C-133	1808	B A	6.36	42.0	12.2	163	1.19	0.58	250	7.6	4.30
OA 204	1803	B A	7.19	38.4	13.3	157	1.19	0.59	237	7.5	4.45
ACALA MAXXA	1781	B A	6.16	42.7	11.6	156	1.19	0.56	238	6.3	4.10
PHY 33	1766	B A	6.75	39.0	12.6	160	1.19	0.56	253	6.3	4.15
DELTAPINE 90	1733	B A C	5.20	39.5	10.8	118	1.17	0.55	189	8.1	4.35
DELTAPINE 50	1726	B A C	6.43	36.6	12.9	141	1.19	0.57	230	7.1	4.25
GC 9203	1709	B A C	5.84	39.4	13.1	155	1.20	0.58	257	6.8	4.40
PHY 32	1697	B A C	6.12	38.9	12.8	168	1.19	0.58	269	6.6	4.10
ACALA 1517-88	1642	B C	5.65	38.0	12.7	155	1.19	0.56	230	6.3	4.15
PAYMASTER HS 26	1584	C	5.94	36.1	13.0	129	1.12	0.54	212	7.9	4.55
WLF 31	1576	C	8.06	35.8	12.7	157	1.21	0.59	250	6.0	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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
CBX 392	1.17	83.5	33.9	10.0	75.0	8.0	4.10	2654	20.58	3.70	0.55
PHYTOGEN 27	1.17	82.3	30.4	9.5	75.3	8.0	4.15	2864	21.08	3.79	0.72
GC 9204	1.18	84.0	31.7	10.0	75.1	8.4	4.45	2921	21.27	3.72	0.65
OA 201	1.17	83.7	32.0	9.9	76.9	8.0	4.15	2664	21.57	3.78	0.77
DPX 9302	1.18	85.0	34.3	10.0	75.4	8.1	4.40	2589	20.71	3.95	0.78
CPCSD C-224	1.21	84.4	34.4	10.0	74.4	8.0	4.25	2516	21.99	3.87	0.72
GC 9001	1.17	85.0	33.7	10.0	75.8	8.0	4.55	2892	20.73	3.77	0.67
CPCSD C-225	1.18	83.7	32.7	10.0	75.7	8.2	4.25	2676	21.86	3.68	0.67
C-133	1.20	85.1	32.7	10.0	75.8	8.2	4.30	2438	20.07	3.93	0.75
OA 204	1.17	83.8	31.0	9.9	74.7	8.2	4.45	2922	20.72	3.76	0.72
ACALA MAXXA	1.18	83.8	31.8	9.6	75.6	8.0	4.10	2294	20.58	3.99	0.75
PHY 33	1.19	83.9	32.1	10.0	75.8	7.9	4.25	2586	20.72	3.79	0.59
DELTAPINE 90	1.16	82.5	23.9	9.7	77.6	7.8	4.40	2722	20.20	3.51	1.17
DELTAPINE 50	1.15	81.8	31.2	10.0	75.3	7.9	4.25	3031	20.41	3.74	0.98
GC 9203	1.19	84.2	32.8	10.0	58.5	5.8	4.50	2679	20.29	3.88	0.67
PHY 32	1.18	84.2	33.8	10.0	74.5	8.1	4.20	2651	22.67	3.73	0.50
ACALA 1517-88	1.22	83.4	33.7	9.9	73.8	8.1	4.00	2728	20.90	3.68	0.74
PAYMASTER HS 26	1.08	82.6	27.7	10.0	76.0	7.9	4.55	2761	21.43	3.56	1.00
WLF 31	1.21	83.8	31.2	9.8	75.9	8.0	4.20	2786	20.63	3.66	0.78

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
CBX 392	.	.	.	.	.	.	.
PHYTOGEN 27	.	.	.	.	.	.	.
GC 9204	.	.	.	.	.	.	.
OA 201	.	.	.	.	.	.	.
DPX 9302	.	.	.	.	.	.	.
CPCSD C-224	.	.	.	.	.	.	.
GC 9001	.	.	.	.	.	.	.
CPCSD C-225	.	.	.	.	.	.	.
C-133	.	.	.	.	.	.	.
OA 204	.	.	.	.	.	.	.
ACALA MAXXA	.	.	.	.	.	.	.
PHY 33	.	.	.	.	.	.	.
DELTAPINE 90	485	32.8	1.82	81	50.43	4.31	2.7
DELTAPINE 50	498	31.3	1.79	82	48.08	3.99	2.6
GC 9203	.	.	.	.	.	.	.
PHY 32	.	.	.	.	.	.	.
ACALA 1517-88	505	27.0	1.70	85	44.62	3.61	2.6
PAYMASTER HS 26	465	27.5	1.71	85	49.11	4.33	2.8
WLF 31	.	.	.	.	.	.	.

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
AGC 3076	1172	A	5.19	39.7	9.9	143	1.17	0.56	219	7.1	4.59
DPX 0227	1143	A	4.69	40.1	10.1	140	1.15	0.56	216	8.1	4.41
DELTAPINE 90	1103	B A	5.23	40.0	10.0	140	1.16	0.56	213	6.9	4.59
GC 9033	1093	B A C	5.12	39.2	10.1	144	1.17	0.56	216	6.9	4.55
HX 93-407	1092	B A C	5.87	39.1	12.2	136	1.16	0.57	215	8.2	5.01
DELTAPINE 50	1090	B A C	5.40	36.8	10.7	124	1.17	0.55	184	8.5	4.52
AGC 2006	1078	DB A C	5.61	39.1	11.0	135	1.18	0.56	202	6.9	4.62
HX 91-24	1076	DB A C	5.63	40.9	11.0	140	1.18	0.56	211	7.5	4.26
HB 147	1055	DB A C	5.23	40.0	10.9	148	1.16	0.57	231	7.1	4.54
DPX 8732	998	DB E C	4.96	39.5	9.6	146	1.21	0.56	215	7.0	4.09
TX 87G3-27	989	DB E C	5.87	39.1	11.0	144	1.21	0.58	215	7.4	4.24
HX 03298	979	DF E C	4.93	37.9	10.7	134	1.15	0.55	199	7.4	4.48
PD 93053	961	DF E	5.88	37.8	11.0	150	1.19	0.57	212	7.1	4.18
ACALA 1517-88	885	F E	5.30	38.5	91.6	158	1.20	0.58	234	6.2	4.34
B 49-20	867	F	6.26	36.5	13.0	142	1.16	0.57	214	7.1	4.24
B 7465	716	G	5.54	37.6	11.5	169	1.18	0.58	257	6.4	3.85
B 5064	711	G	5.04	40.5	10.6	151	1.13	0.56	231	7.7	4.34
TX 27D3-24	704	G	5.34	38.4	11.9	145	1.21	0.58	237	8.3	4.35

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.) 2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	Colorimeter E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	Seed Data YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AGC 3076	1.17	85.1	32.4	10.1	71.2	7.3	4.55	1842	20.47	3.23	1.04
DPX 0227	1.14	84.9	31.2	10.3	71.2	7.6	4.39	1695	20.42	3.16	0.99
DELTAPINE 90	1.14	84.5	31.2	9.9	72.2	7.3	4.54	1739	20.32	3.25	0.98
GC 9033	1.15	84.8	31.9	9.9	72.3	7.3	4.48	1679	20.87	3.19	1.03
HX 93-407	1.15	85.2	30.8	10.6	73.5	7.6	5.10	1773	20.57	3.29	1.23
DELTAPINE 50	1.16	84.6	25.2	10.0	73.2	7.0	4.53	1897	20.62	3.14	1.09

AGC 2006	1.18	84.7	29.4	9.8	73.5	7.2	4.64	1771	19.89	3.18	0.96
HX 91-24	1.17	85.3	29.4	9.8	72.7	7.3	4.21	1551	20.28	3.38	0.80
HB 147	1.14	85.3	32.4	10.0	70.6	8.0	4.59	1566	20.94	3.34	0.98
DPX 8732	1.20	84.4	30.2	9.5	73.3	7.1	4.04	1507	19.68	3.25	0.98
TX 87G3-27	1.20	85.1	29.1	9.8	72.0	7.5	4.11	1546	21.48	3.47	0.93
HX 03298	1.13	84.3	28.9	9.9	71.8	7.2	4.49	1682	20.15	3.34	1.23
PD 93053	1.18	85.4	30.1	9.9	71.7	7.4	4.09	1620	20.49	3.23	1.12
ACALA 1517-88	1.20	84.9	32.9	9.8	70.5	7.4	4.29	1369	21.04	3.48	0.76
B 49-20	1.16	85.0	29.8	9.6	70.3	7.1	4.20	1508	19.33	3.21	0.95
B 7465	1.18	85.7	35.4	10.0	71.8	7.1	3.76	1187	20.62	3.42	0.60
B 5064	1.12	84.5	35.4	10.4	72.1	7.5	4.27	1035	19.02	3.34	0.81
TX 27D3-24	1.22	85.4	33.0	10.8	70.8	7.8	4.31	1111	19.79	3.52	0.81

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
AGC 3076	460	24.1	1.63	88	46.95	4.19	2.89
DPX 0227	484	32.6	1.80	81	50.07	4.29	2.69
DELTAPINE 90	461	23.4	1.61	89	46.04	4.08	2.92
GC 9033	460	22.9	1.60	89	45.88	4.07	2.93
HX 93-407	421	18.7	1.51	93	47.05	4.56	3.24
DELTAPINE 50	469	29.4	1.73	84	49.28	4.34	2.83
AGC 2006	455	22.9	1.60	89	46.27	4.17	2.98
HX 91-24	487	26.8	1.67	86	45.54	3.84	2.76
HB 147	464	26.2	1.67	86	47.71	4.23	2.88
DPX 8732	504	29.9	1.75	83	46.50	3.81	2.58
TX 87G3-27	492	27.1	1.69	85	45.70	3.83	2.68
HX 03298	460	25.9	1.66	87	47.93	4.27	2.87
PD 93053	495	29.6	1.73	84	46.63	3.88	2.67
ACALA 1517-88	472	22.3	1.59	89	44.42	3.82	2.80
B 49-20	487	29.3	1.74	84	47.64	4.02	2.67
B 7465	528	28.4	1.72	84	43.19	3.35	2.47
B 5064	485	30.3	1.76	83	48.46	4.13	2.70

TX 27D3-24	481	28.0	1.71	85	47.16	4.03	2.74

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

BOLL SIZE, GRAM PER BOLL			LINT PERCENT			SEED INDEX		
B 49-20	6.26	A	HX 91-24	40.9	A	ACALA 1517-88	91.6	A
PD 93053	5.88	B	B 5064	40.5	B A	B 49-20	13.0	B
HX 93-407	5.87	B	DPX 0227	40.1	B A C	HX 93-407	12.2	B
TX 87G3-27	5.87	B	DELTAPINE 90	40.0	B A C	TX 27D3-24	11.9	B
HX 91-24	5.63	C B	HB 147	40.0	B A C	B 7465	11.5	B
AGC 2006	5.61	C B	AGC 3076	39.7	DB A C	PD 93053	11.0	B
B 7465	5.54	C B D	DPX 8732	39.5	DB E C	AGC 2006	11.0	B
DELTAPINE 50	5.40	C E D	GC 9033	39.2	DF E C	TX 87G3-27	11.0	B
TX 27D3-24	5.34	FC E D	TX 87G3-27	39.1	DF E C	HX 91-24	11.0	B
ACALA 1517-88	5.30	FCGE D	AGC 2006	39.1	DF E C	HB 147	10.9	B
DELTAPINE 90	5.23	FHGE D	HX 93-407	39.1	DF E C	DELTAPINE 50	10.7	B
HB 147	5.23	FHGE D	ACALA 1517-88	38.5	DF E G	HX 03298	10.7	B
AGC 3076	5.19	FHGE	TX 27D3-24	38.4	F E G	B 5064	10.6	B
GC 9033	5.12	FHGE	HX 03298	37.9	F H G	DPX 0227	10.1	B
B 5064	5.04	FHG	PD 93053	37.8	H G	GC 9033	10.1	B
DPX 8732	4.96	HGI	B 7465	37.6	I H G	DELTAPINE 90	10.0	B
HX 03298	4.93	H I	DELTAPINE 50	36.8	I H	AGC 3076	9.9	B
DPX 0227	4.69	I	B 49-20	36.5	I	DPX 8732	9.6	B

YARN TENACITY			FIBROGRAPH--2.5% S. L.			FIBROGRAPH--50% S. L.		
B 7465	169	A	TX 27D3-24	1.21	A	B 7465	0.58	A
ACALA 1517-88	158	B	DPX 8732	1.21	B A	ACALA 1517-88	0.58	B A
B 5064	151	C	TX 87G3-27	1.21	B A	TX 27D3-24	0.58	B A C
PD 93053	150	C	ACALA 1517-88	1.20	B A C	TX 87G3-27	0.58	DB A C
HB 147	148	D C	PD 93053	1.19	B D C	HX 93-407	0.57	DB A C
DPX 8732	146	D C E	AGC 2006	1.18	E D C	B 49-20	0.57	DBEA C
TX 27D3-24	145	D C E	B 7465	1.18	E D C	PD 93053	0.57	DBEA C
GC 9033	144	D E	HX 91-24	1.18	E D C	HB 147	0.57	DBEF C
TX 87G3-27	144	D E	DELTAPINE 50	1.17	E D F	B 5064	0.56	DBEF C
AGC 3076	143	D E	GC 9033	1.17	E D F	GC 9033	0.56	DBEFGC
B 49-20	142	F E	AGC 3076	1.17	E D F	AGC 2006	0.56	DBEFGC
DPX 0227	140	G F E	B 49-20	1.16	E D F	DELTAPINE 90	0.56	D EFGC

HX 91-24	140	G F E
DELTAPINE 90	140	G F E
HX 93-407	136	G F H
AGC 2006	135	G H
HX 03298	134	H
DELTAPINE 50	124	I

HX 93-407	1.16	E D F
DELTAPINE 90	1.16	E F
HB 147	1.16	E F
DPX 0227	1.15	G F
HX 03298	1.15	G F
B 5064	1.13	G

AGC 3076	0.56	D EFGC
DPX 8732	0.56	D EFGC
DPX 0227	0.56	D EFG
HX 91-24	0.56	EFG
HX 03298	0.55	FG
DELTAPINE 50	0.55	G

STELOMETER - T1

B 7465	257	A
TX 27D3-24	237	B
ACALA 1517-88	234	B
HB 147	231	B
B 5064	231	B
AGC 3076	219	C
GC 9033	216	C
DPX 0227	216	C
HX 93-407	215	C
DPX 8732	215	C
TX 87G3-27	215	C
B 49-20	214	C
DELTAPINE 90	213	D C
PD 93053	212	D C
HX 91-24	211	D C
AGC 2006	202	D E
HX 03298	199	E
DELTAPINE 50	184	F

STELOMETER - E1

DELTAPINE 50	8.5	A
TX 27D3-24	8.3	B A
HX 93-407	8.2	B A
DPX 0227	8.1	B A
B 5064	7.7	B C
HX 91-24	7.5	D C
TX 87G3-27	7.4	D C E
HX 03298	7.4	D C E
HB 147	7.1	D E
AGC 3076	7.1	D E
PD 93053	7.1	D E
B 49-20	7.1	D E
DPX 8732	7.0	F E
GC 9033	6.9	F E
AGC 2006	6.9	F E
DELTAPINE 90	6.9	F E
B 7465	6.4	G F
ACALA 1517-88	6.2	G

MICRONAIRE

HX 93-407	5.01	A
AGC 2006	4.62	B
DELTAPINE 90	4.59	B
AGC 3076	4.59	C B
GC 9033	4.55	C B
HB 147	4.54	C B
DELTAPINE 50	4.52	C B
HX 03298	4.48	C B D
DPX 0227	4.41	EC B D
TX 27D3-24	4.35	EC D
ACALA 1517-88	4.34	EC D
B 5064	4.34	EC D
HX 91-24	4.26	E F D
TX 87G3-27	4.24	E F D
B 49-20	4.24	E F
PD 93053	4.18	E F
DPX 8732	4.09	F
B 7465	3.85	G

2.5% S.L. (INCHES)

TX 27D3-24	1.22	A
ACALA 1517-88	1.20	B A
DPX 8732	1.20	B A
TX 87G3-27	1.20	B A
AGC 2006	1.18	B C
PD 93053	1.18	B C
B 7465	1.18	D C
HX 91-24	1.17	D C E
AGC 3076	1.17	FD C E
B 49-20	1.16	FDGC E

UR (PERCENT)

B 7465	85.7	A
TX 27D3-24	85.4	B A
PD 93053	85.4	B A
HB 147	85.3	B A C
HX 91-24	85.3	B A C
HX 93-407	85.2	DB A C
AGC 3076	85.1	DBEA C
TX 87G3-27	85.1	DBEA C
B 49-20	85.0	DBEAFC
DPX 0227	84.9	DBE FC

STRENGTH (G/TEX)

B 5064	35.4	A
B 7465	35.4	A
TX 27D3-24	33.0	B
ACALA 1517-88	32.9	B
HB 147	32.4	C B
AGC 3076	32.4	C B
GC 9033	31.9	C B D
DELTAPINE 90	31.2	C E D
DPX 0227	31.2	C E D
HX 93-407	30.8	F E D

DELTAPINE 50	1.16	FDG E
HX 93-407	1.15	FDG E
GC 9033	1.15	F GH E
DELTAPINE 90	1.14	FIGH
HB 147	1.14	FIGH
DPX 0227	1.14	IGH
HX 03298	1.13	I H
B 5064	1.12	I

ACALA 1517-88	84.9	DBE FC
GC 9033	84.8	DBE FC
AGC 2006	84.7	D E FC
DELTAPINE 50	84.6	D E F
B 5064	84.5	E F
DELTAPINE 90	84.5	E F
DPX 8732	84.4	F
HX 03298	84.3	F

DPX 8732	30.2	F E G
PD 93053	30.1	F E G
B 49-20	29.8	F E G
AGC 2006	29.4	F G
HX 91-24	29.4	F G
TX 87G3-27	29.1	G
HX 03298	28.9	G
DELTAPINE 50	25.2	H

E

TX 27D3-24	10.8	A
HX 93-407	10.6	B A
B 5064	10.4	B C
DPX 0227	10.3	D C
AGC 3076	10.1	D E
B 7465	10.0	D E
HB 147	10.0	D E
DELTAPINE 50	10.0	E
DELTAPINE 90	9.9	E
GC 9033	9.9	F E
HX 03298	9.9	F E
PD 93053	9.9	F E
TX 87G3-27	9.8	F E G
ACALA 1517-88	9.8	F E G
HX 91-24	9.8	F E G
AGC 2006	9.8	F E G
B 49-20	9.6	F G
DPX 8732	9.5	G

COLORIMETER - Rd

HX 93-407	73.5	A
AGC 2006	73.5	A
DPX 8732	73.3	B A
DELTAPINE 50	73.2	B A
HX 91-24	72.7	B A C
GC 9033	72.3	DB A C
DELTAPINE 90	72.2	DB A C
B 5064	72.1	DB A C
TX 87G3-27	72.0	DB E C
HX 03298	71.8	DBFE C
B 7465	71.8	DBFE C
PD 93053	71.7	D FE C
DPX 0227	71.2	D FE C
AGC 3076	71.2	D FE C
TX 27D3-24	70.8	D FE
HB 147	70.6	FE
ACALA 1517-88	70.5	FE
B 49-20	70.3	F

COLORIMETER - b

HB 147	8.0	A
TX 27D3-24	7.8	B A
DPX 0227	7.6	B A C
HX 93-407	7.6	B D C
B 5064	7.5	EB D C
TX 87G3-27	7.5	EB D C
PD 93053	7.4	EF D C
ACALA 1517-88	7.4	EF D C
AGC 3076	7.3	EF D C
HX 91-24	7.3	EF D C
DELTAPINE 90	7.3	EF D C
GC 9033	7.3	EF D C
HX 03298	7.2	EF D
AGC 2006	7.2	EF D
B 7465	7.1	EF
DPX 8732	7.1	EF
B 49-20	7.1	F
DELTAPINE 50	7.0	F

MICRONAIRE (SL-HVI)

HX 93-407	5.10	A
AGC 2006	4.64	B
HB 147	4.59	B
AGC 3076	4.55	C B
DELTAPINE 90	4.54	C B D
DELTAPINE 50	4.53	C B D
HX 03298	4.49	EC B D
GC 9033	4.48	EC B D

OIL (PERCENT)

TX 87G3-27	21.48	A
ACALA 1517-88	21.04	B A
HB 147	20.94	B A C
GC 9033	20.87	B A C
DELTAPINE 50	20.62	B D C
B 7465	20.62	B D C
HX 93-407	20.57	EB D C
PD 93053	20.49	EB D C

NITROGEN (PERCENT)

TX 27D3-24	3.52	A
ACALA 1517-88	3.48	B A
TX 87G3-27	3.47	B A
B 7465	3.42	B A C
HX 91-24	3.38	B D C
HB 147	3.34	E D C
B 5064	3.34	E D C
HX 03298	3.34	E D C

DPX 0227	4.39	ECFB D
TX 27D3-24	4.31	ECFG D
ACALA 1517-88	4.29	ECFG D
B 5064	4.27	E FG D
HX 91-24	4.21	E FG
B 49-20	4.20	FG
TX 87G3-27	4.11	FG
PD 93053	4.09	G
DPX 8732	4.04	G
B 7465	3.76	H

AGC 3076	20.47	EB D C
DPX 0227	20.42	EBFD C
DELTAPINE 90	20.32	EGFD C
HX 91-24	20.28	EGFD C
HX 03298	20.15	EGFD
AGC 2006	19.89	EGFH
TX 27D3-24	19.79	GFH
DPX 8732	19.68	G H
B 49-20	19.33	I H
B 5064	19.02	I

HX 93-407	3.29	E D F
DELTAPINE 90	3.25	E G F
DPX 8732	3.25	E G F
AGC 3076	3.23	E G F
PD 93053	3.23	E G F
B 49-20	3.21	G F
GC 9033	3.19	G F
AGC 2006	3.18	G F
DPX 0227	3.16	G
DELTAPINE 50	3.14	G

FREE GOSSYPOL (PERCENT)

HX 03298	1.23	A
HX 93-407	1.23	A
PD 93053	1.12	B A
DELTAPINE 50	1.09	B A C
AGC 3076	1.04	B C
GC 9033	1.03	B C
DPX 0227	0.99	B C
DELTAPINE 90	0.98	B C
HB 147	0.98	B C
DPX 8732	0.98	B C
AGC 2006	0.96	D C
B 49-20	0.95	E D C
TX 87G3-27	0.93	FE D C
B 5064	0.81	FE D G
TX 27D3-24	0.81	FE G
HX 91-24	0.80	F G
ACALA 1517-88	0.76	G
B 7465	0.60	H

SEED YIELD (LB/ACRE)

DELTAPINE 50	1897	A
AGC 3076	1841	B A
HX 93-407	1772	B A C
AGC 2006	1770	B A C
DELTAPINE 90	1739	DB A C
DPX 0227	1695	DB E C
HX 03298	1681	DB E C
GC 9033	1679	DB E C
PD 93053	1619	D E C
HB 147	1565	DF E
HX 91-24	1551	DF E
TX 87G3-27	1545	DF E
B 49-20	1507	F E
DPX 8732	1507	F E
ACALA 1517-88	1368	F
B 7465	1186	G
TX 27D3-24	1110	G
B 5064	1035	G

AREALOMETER - A (mm2/mm3)

B 7465	528	A
DPX 8732	504	B
PD 93053	495	C B
TX 87G3-27	492	C B D
HX 91-24	487	EC B D

AREALOMETER - D (mm2/mm3)

DPX 0227	32.6	A
B 5064	30.3	B A
DPX 8732	29.9	B A
PD 93053	29.6	B A
DELTAPINE 50	29.4	B A

AREALOMETER - I

DPX 0227	1.8	A
B 5064	1.8	B A
DPX 8732	1.8	B A
B 49-20	1.7	B A
DELTAPINE 50	1.7	B A C

B 49-20	487	EC B D
B 5064	485	ECFB D
DPX 0227	484	ECFBGD
TX 27D3-24	481	ECFBGD
ACALA 1517-88	472	ECFHGD
DELTAPINE 50	469	E FHGD
HB 147	464	E FHG
DELTAPINE 90	461	FHG
HX 03298	460	FHG
AGC 3076	460	HG
GC 9033	460	HG
AGC 2006	455	H
HX 93-407	421	I

B 49-20	29.3	B A
B 7465	28.4	B A C
TX 27D3-24	28.0	DB A C
TX 87G3-27	27.1	DB E C
HX 91-24	26.8	DB E C
HB 147	26.2	DB E C
HX 03298	25.9	DB E C
AGC 3076	24.1	D E C
DELTAPINE 90	23.4	DF E C
AGC 2006	22.9	DF E
GC 9033	22.9	DF E
ACALA 1517-88	22.3	F E
HX 93-407	18.7	F

PD 93053	1.7	B A C
B 7465	1.7	B A C
TX 27D3-24	1.7	DB A C
TX 87G3-27	1.7	DB E C
HB 147	1.7	DB E C
HX 91-24	1.7	DB E C
HX 03298	1.7	DB E C
AGC 3076	1.6	D E C
DELTAPINE 90	1.6	D E
GC 9033	1.6	F E
AGC 2006	1.6	F E
ACALA 1517-88	1.6	F E
HX 93-407	1.5	F

AREALOMETER - M (PERCENT)

HX 93-407	93	A
ACALA 1517-88	89	B A
GC 9033	89	B A
AGC 2006	89	B A
DELTAPINE 90	89	B A C
AGC 3076	88	B D C
HX 03298	87	EB D C
HB 147	86	EB D C
HX 91-24	86	EB D C
TX 87G3-27	85	EB D C
TX 27D3-24	85	EF D C
B 7465	84	EF D
DELTAPINE 50	84	EF D
PD 93053	84	EF D
B 49-20	84	EF
DPX 8732	83	EF
B 5064	83	EF
DPX 0227	81	F

AREALOMETER - p (Microns)

DPX 0227	50.07	A
DELTAPINE 50	49.28	B A
B 5064	48.46	B A C
HX 03298	47.93	B D C
HB 147	47.71	EB D C
B 49-20	47.64	EB D C
TX 27D3-24	47.16	EF D C
HX 93-407	47.05	EF D C
AGC 3076	46.95	EF D C
PD 93053	46.63	EF D C
DPX 8732	46.50	EF D C
AGC 2006	46.27	EF D G
DELTAPINE 90	46.04	EF D G
GC 9033	45.88	EF G
TX 87G3-27	45.70	EF G
HX 91-24	45.54	F G
ACALA 1517-88	44.42	H G
B 7465	43.19	H

AREALOMETER -w (MG/INCH)

HX 93-407	4.56	A
DELTAPINE 50	4.34	B A
DPX 0227	4.29	B C
HX 03298	4.27	B C D
HB 147	4.23	B C D
AGC 3076	4.19	B C D
AGC 2006	4.17	B C D
B 5064	4.13	B C D
DELTAPINE 90	4.08	EB C D
GC 9033	4.07	EF C D
TX 27D3-24	4.03	EF G D
B 49-20	4.02	EF G D
PD 93053	3.88	EF G
HX 91-24	3.84	EF G
TX 87G3-27	3.83	F G
ACALA 1517-88	3.82	G
DPX 8732	3.81	G
B 7465	3.35	H

AREALOMETER - t (MICRONS)

HX 93-407	3.24	A
AGC 2006	2.98	B

GC 9033	2.93	C B
DELTAPINE 90	2.92	C B
AGC 3076	2.89	C B D
HB 147	2.88	EC B D
HX 03298	2.87	EC B D
DELTAPINE 50	2.83	ECFB D
ACALA 1517-88	2.80	ECFB D
HX 91-24	2.76	ECFG D
TX 27D3-24	2.74	ECFG D
B 5064	2.70	E FG D
DPX 0227	2.69	E FG
TX 87G3-27	2.68	E FG
B 49-20	2.67	FG
PD 93053	2.67	FG
DPX 8732	2.58	H G
B 7465	2.47	H

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
BELLE MINA, AL	1091	A	4.97	41.2	9.8	135	1.14	0.54	206	8.9	4.17
BOSSIER CITY, LA	1089	A	5.39	40.2	10.2	144	1.14	0.55	211	6.6	4.79
STONEVILLE, MS	1018	B A	4.87	37.9	10.0	144	1.17	0.56	211	7.0	4.04
PORTAGEVILLE, MO	967	B C	.	40.9	42.8	144	1.19	0.58	229	7.5	4.34
COLLEGE STATION, TX	940	C	5.41	37.8	.	135	1.13	0.55	220	6.6	4.95
KEISER, AR	925	C	5.11	37.0	10.9	156	1.19	0.57	225	7.5	4.01
TIFTON, GA	925	C	5.68	40.2	11.2	.	.	.	.	.	.
FLORENCE, SC	904	C	6.33	36.2	12.8	149	1.26	0.60	222	7.2	4.48

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

LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
BELLE MINA, AL	1.13	83.7	29.0	10.1	65.6	7.5	4.05	1538	21.13	3.15	1.01
BOSSIER CITY, LA	1.13	85.3	28.7	10.0	76.8	8.0	4.92	1672	20.85	3.32	0.94
STONEVILLE, MS	1.15	83.6	30.4	9.7	74.1	7.9	3.93	1647	19.14	3.26	0.84
PORTAGEVILLE, MO	1.17	85.0	32.8	10.0	68.7	6.7	4.19	1402	20.30	3.36	1.00
COLLEGE STATION, TX	1.13	82.8	33.6	10.0	68.8	5.6	4.97	1581	20.80	3.38	0.94
KEISER, AR	1.18	86.4	31.2	10.0	73.2	7.1	3.97	1563	19.98	3.26	0.91
TIFTON, GA	.	.	.	.	.	.	.	1466	.	.	.
FLORENCE, SC	1.26	87.8	31.7	10.2	76.1	8.8	4.51	1610	20.14	3.36	1.08

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

LOCATION	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
BELLE MINA, AL	503	33.7	1.83	80	48.89	4.03	2.6
BOSSIER CITY, LA	429	15.7	1.44	95	43.88	4.11	3.1
STONEVILLE, MS	513	27.5	1.71	85	44.25	3.54	2.5
PORTAGEVILLE, MO	490	33.6	1.83	80	50.34	4.27	2.6
COLLEGE STATION, TX	407	11.9	1.35	99	42.90	4.22	3.4
KEISER, AR	520	33.7	1.83	80	47.31	3.77	.
TIFTON, GA	.	.	.	.	.	.	.
FLORENCE, SC	470	29.8	1.75	83	50.10	4.42	2.8

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
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 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DPX 0227	1135	A	4.46	39.9	10.1	141	1.13	0.56	215	7.6	4.39
AGC 3076	1127	B A	4.91	39.4	9.5	144	1.16	0.56	220	6.9	4.51
HX 91-24	1119	B A	5.51	41.2	10.9	141	1.17	0.55	214	7.1	4.37
GC 9033	1106	B A	4.89	39.2	9.8	144	1.15	0.56	213	6.7	4.50
DELTAPINE 50	1100	B A	5.15	37.0	10.4	124	1.16	0.55	184	7.9	4.57
DELTAPINE 90	1082	B A	4.88	39.8	9.6	141	1.15	0.56	212	6.6	4.61
AGC 2006	1076	B A	5.41	38.6	10.3	135	1.17	0.56	201	6.6	4.61
HX 93-407	1038	B A C	5.53	38.5	12.1	138	1.15	0.57	220	8.0	5.02
TX 87G3-27	1027	B A C	5.54	39.2	10.7	146	1.20	0.58	220	7.3	4.31
HB 147	1020	B A C	5.03	39.6	10.6	149	1.14	0.56	231	7.0	4.53
DPX 8732	1002	B A C	4.76	39.8	9.3	145	1.19	0.56	214	6.6	4.14
HX 03298	985	B C	4.82	38.2	10.3	133	1.12	0.54	202	7.1	4.55
ACALA 1517-88	915	D C	5.14	38.6	152	159	1.20	0.58	237	5.9	4.37
PD 93053	915	D C	5.59	37.4	10.6	152	1.17	0.57	213	6.9	4.20
B 49-20	836	E D	6.01	35.8	12.7	144	1.16	0.57	220	6.8	4.19
TX 27D3-24	795	E D	5.42	38.2	11.9	147	1.21	0.58	242	8.2	4.50
B 7465	772	E	5.51	37.3	11.4	171	1.17	0.58	255	6.4	3.89
B 5064	756	E	4.94	40.0	10.7	153	1.12	0.56	231	7.4	4.42

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DPX 0227	1.13	84.8	31.4	10.2	71.6	7.2	4.38	1708	20.46	3.19	0.94
AGC 3076	1.15	84.8	32.6	9.9	71.6	6.9	4.46	1788	20.24	3.26	1.01
HX 91-24	1.16	85.1	29.3	9.7	73.5	7.1	4.39	1567	20.29	3.43	0.81
GC 9033	1.13	84.5	32.0	9.9	72.8	6.9	4.45	1721	20.78	3.19	1.02
DELTAPINE 50	1.14	84.2	25.2	10.0	73.6	6.7	4.57	1870	20.55	3.16	1.08
DELTAPINE 90	1.12	83.9	31.3	9.8	72.9	7.0	4.51	1708	20.08	3.29	0.93
AGC 2006	1.17	84.0	29.3	9.7	74.0	6.9	4.60	1822	19.72	3.17	0.93
HX 93-407	1.14	84.8	31.5	10.5	73.7	7.4	5.12	1724	20.34	3.32	1.17

TX 87G3-27	1.19	84.9	29.6	9.8	72.4	7.2	4.20	1543	21.43	3.50	0.98
HB 147	1.13	84.8	32.7	10.0	71.1	7.8	4.57	1517	20.81	3.37	0.90
DPX 8732	1.19	83.8	30.0	9.4	73.9	6.8	4.11	1494	19.56	3.26	0.95
HX 03298	1.11	84.1	29.1	9.9	71.8	7.0	4.54	1711	19.96	3.38	1.19
ACALA 1517-88	1.19	84.7	33.5	9.8	70.7	7.1	4.29	1405	20.96	3.47	0.71
PD 93053	1.17	85.0	30.4	9.9	71.3	7.2	4.15	1544	20.43	3.24	1.10
B 49-20	1.16	85.0	30.4	9.6	70.7	6.6	4.16	1509	19.12	3.21	0.89
TX 27D3-24	1.20	85.1	33.5	10.9	71.5	7.5	4.45	1259	19.73	3.49	0.80
B 7465	1.17	85.5	35.7	10.0	72.4	6.8	3.78	1295	20.58	3.42	0.55
B 5064	1.11	84.1	36.2	10.3	72.4	7.2	4.40	1130	18.85	3.35	0.72

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 0227	480	30.6	1.76	83	49.05	4.22	2.7
AGC 3076	465	23.5	1.61	89	45.71	4.02	2.9
HX 91-24	471	22.7	1.59	89	44.37	3.85	2.9
GC 9033	461	21.9	1.57	90	44.89	3.96	2.9
DELTAPINE 50	460	26.0	1.66	87	47.78	4.26	2.9
DELTAPINE 90	460	22.2	1.58	90	45.06	4.00	3.0
AGC 2006	457	22.2	1.58	90	45.29	4.05	3.0
HX 93-407	420	18.2	1.49	93	46.55	4.52	3.3
TX 87G3-27	485	24.8	1.64	87	44.76	3.80	2.8
HB 147	465	25.0	1.64	88	46.56	4.11	2.9
DPX 8732	502	27.6	1.70	85	45.26	3.72	2.6
HX 03298	456	23.8	1.62	88	46.87	4.20	2.9
ACALA 1517-88	469	20.4	1.55	91	43.19	3.72	2.8
PD 93053	487	26.5	1.67	86	45.35	3.82	2.7
B 49-20	488	28.3	1.72	85	46.88	3.95	2.7
TX 27D3-24	466	23.4	1.61	88	45.74	4.01	2.8
B 7465	526	26.6	1.68	86	42.21	3.28	2.5
B 5064	476	27.8	1.70	85	47.77	4.14	2.8

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
SUBREGIONAL SUMMARY COMBINING BELLE MINA, AL FLORENCE, SC TIFTON, GA

VARIETIES COMBINING LOCATIONS

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
AGC 3076	1258	A	5.57	40.1	10.5	142	1.19	0.57	218	7.8	4.78
HX 93-407	1186	B A	6.33	40.1	12.4	132	1.20	0.60	201	8.6	4.98
DPX 0227	1158	B A C	4.99	40.5	10.2	139	1.18	0.57	216	9.2	4.45
DELTAPINE 90	1140	DBDA C	5.70	40.3	10.5	137	1.19	0.57	214	7.8	4.55
HB 147	1115	DBDA C	5.49	40.6	11.4	147	1.20	0.58	232	7.6	4.55
AGC 2006	1081	DBDF C	5.88	39.9	12.1	136	1.22	0.59	204	8.1	4.67
DELTAPINE 50	1072	DBDF C	5.74	36.5	11.2	124	1.20	0.55	183	10	4.40
GC 9033	1068	DBDF C	5.42	39.2	10.5	146	1.21	0.56	222	7.6	4.68
PD 93053	1041	DBDF C	6.26	38.4	11.6	147	1.22	0.58	209	7.6	4.13
HX 91-24	1000	D DF C	5.78	40.4	11.1	140	1.21	0.57	205	8.6	3.98
DPX 8732	990	DGDF	5.21	39.0	10.1	149	1.24	0.57	215	7.9	3.98
HX 03298	969	G F	5.08	37.5	11.1	136	1.20	0.57	192	8.0	4.30
TX 87G3-27	921	G F	6.30	39.1	11.4	140	1.23	0.57	201	7.6	4.08
B 49-20	920	G F	6.60	37.8	13.3	136	1.18	0.58	201	7.8	4.35
ACALA 1517-88	833	G	5.52	38.3	11.6	157	1.20	0.57	227	7.0	4.28
B 5064	633	H	5.18	41.5	10.5	144	1.16	0.57	230	8.5	4.15
B 7465	618	H	5.59	38.1	11.5	164	1.20	0.59	263	6.6	3.75
TX 27D3-24	544	H	5.25	38.6	11.9	141	1.23	0.57	223	8.5	3.98

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AGC 3076	1.20	85.8	31.9	10.5	70.1	8.5	4.78	1931	20.99	3.16	1.12
HX 93-407	1.19	86.1	29.0	11.0	73.2	7.9	5.05	1854	21.16	3.22	1.37
DPX 0227	1.18	85.4	30.7	10.5	70.4	8.6	4.40	1674	20.32	3.08	1.11
DELTAPINE 90	1.19	85.9	31.0	10.3	70.6	8.1	4.60	1791	20.92	3.16	1.10
HB 147	1.19	86.6	31.7	10.0	69.3	8.5	4.63	1646	21.27	3.26	1.17
AGC 2006	1.24	86.7	29.9	10.0	72.0	8.3	4.77	1684	20.47	3.20	1.04
DELTAPINE 50	1.20	85.5	25.2	10.0	72.3	7.8	4.43	1943	20.79	3.07	1.13
GC 9033	1.19	85.7	31.7	10.0	70.9	8.2	4.55	1611	21.09	3.17	1.06

PD 93053	1.23	86.3	29.5	10.0	72.5	7.8	3.93	1747	20.62	3.22	1.17
HX 91-24	1.19	85.7	29.5	9.9	70.7	7.9	3.78	1525	20.23	3.28	0.76
DPX 8732	1.25	85.9	30.7	9.8	71.8	7.9	3.88	1529	20.00	3.22	1.03
HX 03298	1.16	84.8	28.3	10.0	71.7	7.8	4.35	1633	20.61	3.23	1.33
TX 87G3-27	1.23	85.5	27.8	9.9	71.0	8.3	3.90	1551	21.61	3.40	0.82
B 49-20	1.17	85.0	28.5	9.6	69.4	8.3	4.30	1505	19.87	3.21	1.11
ACALA 1517-88	1.22	85.5	31.5	9.8	70.1	8.1	4.28	1309	21.26	3.49	0.88
B 5064	1.15	85.3	33.6	10.8	71.4	8.4	3.95	879	19.45	3.30	1.04
B 7465	1.20	86.1	34.6	10.3	70.3	8.0	3.73	1008	20.71	3.42	0.74
TX 27D3-24	1.25	86.4	31.8	10.5	69.1	8.5	3.95	864	19.93	3.59	0.82

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
AGC 3076	447	25.8	1.67	86	50.06	4.62	2.9
HX 93-407	423	20.0	1.55	91	48.30	4.64	3.1
DPX 0227	493	37.6	1.90	77	52.64	4.47	2.6
DELTAPINE 90	464	26.5	1.69	86	48.50	4.29	2.8
HB 147	461	29.3	1.74	84	50.59	4.54	2.8
AGC 2006	447	25.2	1.66	87	49.54	4.55	2.9
DELTAPINE 50	492	38.0	1.91	77	53.04	4.54	2.6
GC 9033	456	25.3	1.66	87	48.35	4.36	2.9
PD 93053	515	37.4	1.90	78	49.85	4.04	2.5
HX 91-24	529	37.0	1.89	78	48.47	3.82	2.4
DPX 8732	510	35.8	1.87	79	49.63	4.04	2.5
HX 03298	472	31.0	1.78	82	50.59	4.42	2.7
TX 87G3-27	509	33.0	1.82	81	48.06	3.91	2.5
B 49-20	486	31.6	1.79	82	49.56	4.21	2.6
ACALA 1517-88	479	27.3	1.70	85	47.48	4.07	2.7
B 5064	509	36.6	1.89	78	50.17	4.11	2.5
B 7465	532	33.1	1.81	81	45.63	3.53	2.4
TX 27D3-24	519	39.4	1.94	76	50.70	4.09	2.5

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
COLLEGE STATION, TX

	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)
HX 91-24	1223	A	5.83	41.8	.	122	1.11	0.53	220	6.5	5.25
GC 9033	1195	A	5.12	37.3	.	132	1.10	0.54	208	6.4	5.05
AGC 3076	1154	A	4.92	38.9	.	135	1.13	0.54	202	6.3	5.00
DPX 8732	1099	B A	5.13	39.1	.	123	1.20	0.55	216	6.8	4.60
DELTAPINE 90	1086	B A C	5.54	39.4	.	130	1.09	0.53	199	5.6	5.15
HX 93-407	1063	B A C	5.41	38.5	.	127	1.09	0.54	215	7.4	5.65
HX 03298	1057	DB A C	5.01	37.2	.	125	1.08	0.54	202	7.5	5.05
HB 147	1049	DB A C	5.55	38.3	.	136	1.08	0.53	230	5.9	5.30
AGC 2006	1037	DB A C	5.84	37.3	.	120	1.13	0.55	198	5.6	5.30
DELTAPINE 50	993	DBEA C	5.35	36.5	.	117	1.11	0.53	182	7.6	5.05
DPX 0227	890	DBEF C	4.56	39.7	.	133	1.10	0.55	218	7.1	4.90
B 49-20	843	D EF C	6.23	35.2	.	127	1.15	0.57	215	6.6	4.55
ACALA 1517-88	817	DGEF	5.09	37.6	.	151	1.19	0.59	237	5.3	4.55
PD 93053	789	GEF	6.20	35.7	.	146	1.15	0.56	223	6.8	4.80
TX 87G3-27	702	G F	5.16	36.7	.	144	1.17	0.57	252	7.3	5.05
B 7465	674	G F	5.74	36.3	.	165	1.18	0.59	256	6.1	4.10
TX 27D3-24	662	G F	5.65	37.0	.	145	1.23	0.60	248	7.9	4.80
B 5064	579	G	5.13	38.8	.	151	1.09	0.57	241	6.9	4.95

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						---------- Seed Data --------			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
HX 91-24	1.10	81.7	31.5	9.9	70.8	5.9	5.40	1647	20.54	3.45	0.62
GC 9033	1.11	83.5	35.4	9.9	71.6	5.3	5.05	1938	20.78	3.33	1.12
AGC 3076	1.12	82.5	32.8	9.9	68.9	5.3	5.05	1826	21.83	3.26	1.11
DPX 8732	1.18	81.7	30.4	9.2	70.6	5.2	4.60	1641	19.33	3.31	1.14
DELTAPINE 90	1.07	81.8	32.4	9.9	67.9	5.1	5.10	1935	21.19	3.39	1.01
HX 93-407	1.10	83.3	32.0	10.0	73.6	5.8	5.80	1845	20.41	3.38	1.09
HX 03298	1.08	83.0	31.6	10.0	68.3	5.2	5.00	2107	20.43	3.43	1.29
HB 147	1.06	82.2	33.9	10.0	68.5	6.5	5.35	1776	21.03	3.43	1.01
AGC 2006	1.16	82.5	30.3	9.5	70.4	5.4	5.35	1859	20.13	3.38	0.86
DELTAPINE 50	1.12	82.6	25.2	9.8	68.3	5.0	5.20	1685	21.22	3.17	1.21
DPX 0227	1.11	83.5	33.7	10.0	69.8	5.5	4.95	1369	21.55	3.15	0.99

B 49-20	1.14	83.4	32.0	9.6	66.1	5.2	4.55	1650	19.77	3.30	0.85
ACALA 1517-88	1.17	83.0	37.5	10.0	65.1	5.7	4.60	1401	21.76	3.39	0.71
PD 93053	1.15	83.3	31.8	9.7	67.6	5.9	4.70	1315	21.25	3.25	1.18
TX 87G3-27	1.16	83.0	36.0	10.5	65.2	6.0	4.90	1256	21.04	3.68	0.80
B 7465	1.17	83.7	39.5	10.0	69.1	5.4	4.10	1122	22.48	3.54	0.53
TX 27D3-24	1.23	83.9	37.6	10.5	67.0	6.5	4.70	1176	20.21	3.70	0.78
B 5064	1.07	82.6	41.1	11.0	69.1	5.7	5.05	919	19.50	3.39	0.68

	Arealometer Data						
VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
HX 91-24	380	8.3	1.25	102	42.27	4.40	3.8
GC 9033	391	4.3	1.14	107	37.00	3.69	3.8
AGC 3076	394	11.0	1.33	99	43.71	4.42	3.5
DPX 8732	432	19.5	1.54	91	46.77	4.38	3.1
DELTAPINE 90	392	9.5	1.28	101	41.91	4.23	3.7
HX 93-407	353	7.8	1.24	103	45.13	5.07	4.1
HX 03298	401	11.8	1.35	98	43.54	4.32	3.4
HB 147	387	9.8	1.29	101	43.11	4.41	3.6
AGC 2006	376	7.5	1.23	103	41.99	4.40	3.8
DELTAPINE 50	385	10.5	1.31	100	44.05	4.55	3.6
DPX 0227	419	16.8	1.47	94	45.91	4.41	3.2
B 49-20	437	17.8	1.50	93	44.81	4.13	3.0
ACALA 1517-88	435	11.3	1.34	99	39.63	3.61	3.2
PD 93053	423	11.5	1.34	99	40.89	3.83	3.3
TX 87G3-27	415	16.5	1.47	94	46.29	4.49	3.2
B 7465	464	12.3	1.36	98	37.91	3.24	2.9
TX 27D3-24	426	13.8	1.40	96	42.75	4.01	3.2
B 5064	410	14.0	1.41	96	44.60	4.34	3.3

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
BOSSIER CITY, LA

					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)

HX 91-24	1324	A	5.30	43.9	10.1	138	1.13	0.53	210	6.4	4.70
DELTAPINE 50	1280	B A	5.30	38.2	10.2	123	1.13	0.52	176	7.9	4.95
DELTAPINE 90	1275	B A	4.84	41.5	8.8	139	1.10	0.52	204	6.3	5.05
AGC 3076	1206	B A C	5.09	40.7	9.2	144	1.13	0.54	218	6.3	5.05
DPX 0227	1205	B A C	4.57	41.4	9.8	140	1.13	0.55	199	7.3	4.65
TX 87G3-27	1192	B A C	6.25	39.9	10.4	144	1.17	0.57	191	6.8	4.65
HB 147	1163	B A C	5.21	40.7	10.4	151	1.12	0.56	212	6.8	5.00
GC 9033	1141	B C	5.10	40.8	9.5	144	1.15	0.54	201	5.8	4.65
PD 93053	1120	B D C	5.85	40.5	10.6	142	1.12	0.55	199	6.8	4.75
HX 03298	1101	D C	4.84	39.8	9.5	132	1.12	0.56	196	6.6	4.85
HX 93-407	1092	D C	5.73	40.1	11.7	132	1.12	0.56	212	7.6	5.40
DPX 8732	1091	D C	4.75	42.5	8.4	141	1.16	0.53	201	6.8	4.30
AGC 2006	1032	E D C	5.56	40.6	10.1	135	1.18	0.55	195	6.1	5.00
ACALA 1517-88	964	E D F	5.59	39.3	10.8	159	1.18	0.56	229	5.4	4.65
B 49-20	919	E F	6.20	36.6	12.3	149	1.15	0.55	225	6.3	4.60
B 5064	854	F	5.25	41.1	9.6	158	1.12	0.55	235	6.5	4.80
B 7465	838	F	5.80	37.8	11.6	173	1.15	0.57	258	5.6	4.30
TX 27D3-24	805	F	5.78	38.0	11.6	153	1.19	0.57	238	7.3	4.80

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						---------- Seed Data --------			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
HX 91-24	1.13	85.8	27.9	9.9	78.0	8.1	4.90	1767	21.51	3.46	0.94
DELTAPINE 50	1.12	84.6	23.1	10.0	78.2	7.8	5.15	2135	21.00	3.23	1.01
DELTAPINE 90	1.12	84.3	28.8	10.0	77.9	8.2	5.10	1961	21.14	3.30	1.01
AGC 3076	1.13	86.3	30.5	10.0	76.7	7.7	5.10	1776	21.03	3.21	0.97
DPX 0227	1.11	85.7	29.0	10.5	75.6	8.1	4.70	1803	20.73	3.16	0.92
TX 87G3-27	1.17	85.0	24.8	9.3	77.1	8.4	4.70	1833	22.60	3.52	1.05
HB 147	1.11	85.5	30.6	10.0	75.8	8.8	5.10	1659	21.47	3.28	0.77
GC 9033	1.12	85.2	29.1	9.8	77.5	7.9	4.85	1775	21.70	3.21	0.90
PD 93053	1.12	86.0	26.7	9.9	76.3	8.7	4.85	1582	21.11	3.13	1.40
HX 03298	1.09	84.4	26.2	9.9	76.9	8.0	5.10	1789	19.90	3.42	1.19
HX 93-407	1.11	85.1	28.8	10.5	77.9	8.3	5.80	1770	20.87	3.24	1.40
DPX 8732	1.16	83.9	27.1	9.4	78.4	7.9	4.45	1464	20.07	3.23	0.79
AGC 2006	1.17	85.1	27.6	9.8	77.7	7.7	5.20	1617	20.92	3.08	0.97
ACALA 1517-88	1.19	85.9	30.8	9.9	75.7	7.7	4.75	1447	21.63	3.53	0.71

B 49-20	1.15	85.7	28.3	9.7	76.4	7.5	4.55	1580	19.50	3.06	0.92
B 5064	1.08	84.1	33.4	10.5	77.7	8.3	5.00	1326	19.18	3.48	0.66
B 7465	1.15	86.7	33.9	10.0	75.0	7.2	4.20	1516	21.21	3.66	0.46
TX 27D3-24	1.20	85.7	30.9	11.0	74.5	8.7	5.05	1297	19.85	3.56	0.81

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
HX 91-24	429	12.3	1.36	98	41.13	3.82	3.2
DELTAPINE 50	422	15.8	1.45	95	44.80	4.26	3.2
DELTAPINE 90	403	10.5	1.32	100	42.08	4.14	3.4
AGC 3076	417	14.0	1.41	96	43.89	4.21	3.2
DPX 0227	450	21.5	1.58	90	46.39	4.18	2.9
TX 87G3-27	426	13.8	1.39	97	42.32	3.96	3.2
HB 147	420	12.8	1.38	97	42.48	4.03	3.2
GC 9033	438	20.3	1.56	91	46.80	4.33	3.0
PD 93053	423	14.8	1.43	96	43.80	4.14	3.2
HX 03298	408	12.0	1.36	98	43.05	4.20	3.4
HX 93-407	376	11.3	1.34	99	46.07	4.88	3.7
DPX 8732	482	22.0	1.59	90	43.50	3.65	2.7
AGC 2006	401	10.0	1.30	100	41.98	4.15	3.5
ACALA 1517-88	428	12.8	1.37	98	41.50	3.86	3.2
B 49-20	460	21.8	1.59	90	45.44	4.01	2.9
B 5064	435	21.8	1.59	90	48.25	4.51	3.0
B 7465	486	20.5	1.56	91	42.16	3.50	2.7
TX 27D3-24	428	15.8	1.45	95	44.15	4.14	3.1

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
STONEVILLE, MS

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
HX 91-24	1212	A	5.45	40.7	10.5	144	1.19	0.55	208	7.1	3.90

DPX 0227	1201	A	4.43	39.1	9.7	142	1.14	0.56	213	7.8	4.10
DELTAPINE 50	1130	B A	4.97	36.1	9.9	122	1.17	0.56	187	8.0	4.20
AGC 2006	1105	B A C	5.03	36.8	10.1	136	1.17	0.55	196	6.9	4.00
HX 93-407	1096	B A C	5.58	38.7	11.0	135	1.14	0.57	216	7.8	4.85
AGC 3076	1095	B A C	4.72	38.1	9.1	143	1.18	0.56	214	6.8	4.15
GC 9033	1083	B A C	4.47	38.1	8.5	143	1.15	0.57	202	6.8	4.10
DPX 8732	1067	B C	4.39	38.2	8.5	150	1.19	0.57	212	5.8	3.85
PD 93053	1038	B D C	5.21	36.1	9.7	151	1.16	0.56	197	6.8	3.85
TX 87G3-27	1023	B D C	5.34	38.6	10.4	144	1.21	0.57	208	7.0	3.95
DELTAPINE 90	1022	B D C	4.51	39.2	8.7	138	1.17	0.58	206	7.1	4.20
HX 03298	1019	B D C	4.60	37.2	10.1	133	1.12	0.52	189	7.0	4.25
HB 147	1017	B D C	4.61	38.5	9.5	150	1.19	0.57	219	7.4	3.95
ACALA 1517-88	988	D C	4.87	38.0	10.6	159	1.20	0.60	235	6.1	4.15
TX 27D3-24	923	D	5.24	37.2	11.5	149	1.20	0.56	231	9.1	4.05
B 5064	806	E	4.27	39.3	10.6	149	1.10	0.55	221	7.3	3.85
B 49-20	770	E	5.46	35.8	12.1	139	1.13	0.57	203	6.1	4.05
B 7465	726	E	4.55	36.8	10.0	167	1.17	0.59	249	6.1	3.30

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
HX 91-24	1.19	84.7	28.4	9.6	74.6	7.3	3.80	1657	19.36	3.51	0.69
DPX 0227	1.13	84.1	29.9	10.0	73.3	8.1	4.00	1858	19.48	3.11	0.98
DELTAPINE 50	1.14	83.1	26.1	10.0	76.4	7.7	4.15	1936	19.32	3.04	0.95
AGC 2006	1.16	82.7	28.9	9.5	76.8	7.6	4.10	2038	18.82	3.06	0.88
HX 93-407	1.11	83.5	30.7	10.5	75.5	8.4	4.90	1761	19.20	3.24	1.21
AGC 3076	1.15	83.4	31.0	9.6	72.8	8.0	4.05	1769	19.34	3.23	0.85
GC 9033	1.12	83.3	31.1	9.7	74.4	7.9	3.85	1759	19.99	3.14	0.89
DPX 8732	1.17	83.0	29.3	9.2	75.1	7.2	3.60	1761	18.81	3.21	0.86
PD 93053	1.15	83.3	30.1	9.7	73.6	7.8	3.80	1901	19.74	3.07	1.05
TX 87G3-27	1.24	83.8	27.3	9.3	74.9	7.9	3.80	1404	21.08	3.55	0.91
DELTAPINE 90	1.13	83.2	30.3	9.5	74.3	7.5	4.05	1546	19.64	3.14	0.62
HX 03298	1.11	82.3	28.7	9.6	73.7	7.9	4.20	1812	19.03	3.30	1.14
HB 147	1.16	84.4	31.2	10.0	73.7	8.3	4.00	1574	20.08	3.62	0.90
ACALA 1517-88	1.22	84.3	30.9	9.3	73.1	7.9	3.90	1527	19.86	3.44	0.61
TX 27D3-24	1.23	84.6	32.9	11.0	73.9	8.7	3.70	1466	18.57	3.45	0.68
B 5064	1.10	83.2	35.6	10.0	73.1	8.7	3.75	1191	16.92	3.25	0.67
B 49-20	1.14	84.0	29.3	9.2	72.7	7.9	3.90	1424	17.74	3.19	0.80

B 7465	1.14	83.6	35.1	9.8	72.6	8.2	3.15	1253	17.51	3.21	0.44

VARIETY	Arealometer Data A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
HX 91-24	513	24.3	1.64	88	42.20	3.33	2.5
DPX 0227	523	38.0	1.91	77	49.50	3.94	2.4
DELTAPINE 50	489	28.3	1.72	84	46.99	3.94	2.6
AGC 2006	520	30.8	1.78	82	45.65	3.61	2.5
HX 93-407	430	15.8	1.45	95	43.94	4.10	3.1
AGC 3076	498	23.8	1.63	88	43.25	3.52	2.6
GC 9033	500	23.0	1.61	88	42.51	3.44	2.6
DPX 8732	548	28.3	1.73	84	41.70	3.10	2.3
PD 93053	510	26.0	1.68	86	43.59	3.48	2.5
TX 87G3-27	530	22.5	1.61	89	39.77	3.03	2.5
DELTAPINE 90	497	26.8	1.70	86	45.30	3.72	2.6
HX 03298	494	28.8	1.74	84	46.88	3.89	2.6
HB 147	514	32.0	1.80	82	46.86	3.75	2.5
ACALA 1517-88	501	21.3	1.58	90	41.31	3.33	2.6
TX 27D3-24	523	31.5	1.79	82	45.74	3.59	2.5
B 5064	527	30.5	1.77	83	44.86	3.50	2.4
B 49-20	504	28.8	1.73	84	45.73	3.71	2.6
B 7465	611	35.5	1.87	79	40.79	2.74	2.1

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
TIFTON, GA

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
AGC 3076	1298	A	5.72	41.5	10.3	.	.	.	.	.	.
HX 93-407	1187	B A	6.39	40.6	12.3	.	.	.	.	.	.
DELTAPINE 90	1118	B A C	5.72	40.4	10.6	.	.	.	.	.	.
GC 9033	1093	B A C	5.27	40.5	10.3	.	.	.	.	.	.

AGC 2006	1092	B A C	6.17	41.0	12.0	.	.	.	.	.	.
DPX 0227	1062	B C	4.90	41.0	10.0	.	.	.	.	.	.
HB 147	1058	B C	5.81	40.9	11.6	.	.	.	.	.	.
DELTAPINE 50	1037	B C	5.90	38.2	10.9	.	.	.	.	.	.
HX 91-24	1036	B C	5.90	40.4	11.4	.	.	.	.	.	.
PD 93053	1011	B C	6.26	39.8	11.9	.	.	.	.	.	.
DPX 8732	976	B D C	5.36	40.7	10.2	.	.	.	.	.	.
B 49-20	937	D C	6.26	39.9	12.9	.	.	.	.	.	.
HX 03298	912	D C	4.99	38.5	10.9	.	.	.	.	.	.
TX 87G3-27	778	E D	6.26	38.7	12.0	.	.	.	.	.	.
ACALA 1517-88	666	E F	5.54	38.6	11.9	.	.	.	.	.	.
B 7465	606	E F	5.18	40.1	10.4	.	.	.	.	.	.
B 5064	519	G F	5.44	43.0	9.9	.	.	.	.	.	.
TX 27D3-24	361	G	5.18	39.0	11.8	.	.	.	.	.	.

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AGC 3076	.	.	.	.	.	.	.	1880	.	.	.
HX 93-407	.	.	.	.	.	.	.	1830	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.	1832	.	.	.
GC 9033	.	.	.	.	.	.	.	1698	.	.	.
AGC 2006	.	.	.	.	.	.	.	1867	.	.	.
DPX 0227	.	.	.	.	.	.	.	1403	.	.	.
HB 147	.	.	.	.	.	.	.	1584	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.	1891	.	.	.
HX 91-24	.	.	.	.	.	.	.	1627	.	.	.
PD 93053	.	.	.	.	.	.	.	1701	.	.	.
DPX 8732	.	.	.	.	.	.	.	1527	.	.	.
B 49-20	.	.	.	.	.	.	.	1435	.	.	.
HX 03298	.	.	.	.	.	.	.	1438	.	.	.
TX 87G3-27	.	.	.	.	.	.	.	1358	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.	997	.	.	.
B 7465	.	.	.	.	.	.	.	1003	.	.	.
B 5064	.	.	.	.	.	.	.	687	.	.	.
TX 27D3-24	.	.	.	.	.	.	.	633	.	.	.

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
AGC 3076	.	.	.	.	.	.	.
HX 93-407	.	.	.	.	.	.	.
DELTAPINE 90	.	.	.	.	.	.	.
GC 9033	.	.	.	.	.	.	.
AGC 2006	.	.	.	.	.	.	.
DPX 0227	.	.	.	.	.	.	.
HB 147	.	.	.	.	.	.	.
DELTAPINE 50	.	.	.	.	.	.	.
HX 91-24	.	.	.	.	.	.	.
PD 93053	.	.	.	.	.	.	.
DPX 8732	.	.	.	.	.	.	.
B 49-20	.	.	.	.	.	.	.
HX 03298	.	.	.	.	.	.	.
TX 87G3-27	.	.	.	.	.	.	.
ACALA 1517-88	.	.	.	.	.	.	.
B 7465	.	.	.	.	.	.	.
B 5064	.	.	.	.	.	.	.
TX 27D3-24	.	.	.	.	.	.	.

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
FLORENCE, SC

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
AGC 3076	1262	A	6.44	36.7	12.7	144	1.27	0.62	226	6.8	4.90
HX 93-407	1152	B A	7.03	36.4	13.8	136	1.25	0.63	203	7.9	5.10
HB 147	1071	B A C	6.10	38.6	13.0	151	1.27	0.61	238	6.5	4.80
DPX 0227	1038	B C	5.87	37.6	11.4	146	1.23	0.58	221	7.9	4.40
DELTAPINE 90	1028	B D C	6.44	38.4	12.1	145	1.25	0.60	223	6.9	4.80
PD 93053	1025	B D C	7.10	35.3	13.2	155	1.30	0.62	212	7.0	4.25
DELTAPINE 50	1020	B D C	6.39	33.1	12.7	132	1.25	0.60	195	8.8	4.75

AGC 2006	952	EB D C	6.41	35.9	13.0	140	1.25	0.61	214	7.0	4.70
GC 9033	947	EB D C	6.05	36.8	12.0	151	1.27	0.59	226	6.3	4.80
B 49-20	887	E D C	7.16	34.2	15.6	142	1.23	0.60	204	7.1	4.60
DPX 8732	880	E D C	5.75	35.2	11.4	157	1.31	0.60	224	7.1	4.00
HX 03298	873	E D C	5.99	33.9	12.8	145	1.27	0.59	195	7.9	4.60
ACALA 1517-88	862	E D C	6.59	35.6	13.3	170	1.25	0.61	239	6.3	4.40
HX 91-24	794	EF D	6.45	37.0	12.4	153	1.27	0.59	216	7.9	4.05
TX 87G3-27	779	EF	6.56	36.8	11.7	148	1.30	0.61	208	7.4	4.10
TX 27D3-24	617	F G	5.56	39.5	12.8	149	1.30	0.61	237	7.9	4.15
B 5064	556	G	5.54	38.1	12.3	153	1.21	0.61	245	7.5	4.25
B 7465	530	G	6.54	33.3	13.8	170	1.26	0.62	272	5.5	3.95

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AGC 3076	1.28	88.5	33.3	10.5	75.5	9.0	5.00	2221	20.90	3.31	1.10
HX 93-407	1.24	88.0	30.6	11.5	78.2	8.6	5.35	2154	20.46	3.31	1.32
HB 147	1.26	88.4	32.4	10.0	74.3	9.0	5.00	1609	21.07	3.34	1.20
DPX 0227	1.24	87.6	32.3	11.0	76.1	9.2	4.45	1735	19.86	3.18	1.09
DELTAPINE 90	1.25	88.4	32.5	10.5	76.6	8.8	5.00	1800	20.39	3.35	1.06
PD 93053	1.30	88.6	30.7	10.0	77.3	8.4	4.20	1937	20.42	3.42	1.17
DELTAPINE 50	1.26	87.6	26.2	10.0	77.3	8.1	4.80	2182	19.91	3.16	1.11
AGC 2006	1.29	88.1	30.8	10.0	76.6	8.9	4.85	1642	19.98	3.21	1.06
GC 9033	1.25	87.2	33.0	10.0	76.1	8.7	4.75	1424	20.89	3.31	1.11
B 49-20	1.25	86.7	28.8	9.4	74.1	8.9	4.55	1655	19.83	3.26	1.21
DPX 8732	1.32	88.2	32.4	10.0	77.8	8.6	3.85	1420	19.27	3.40	1.07
HX 03298	1.24	86.9	28.3	10.0	76.9	8.8	4.70	1831	20.36	3.36	1.29
ACALA 1517-88	1.28	87.6	33.3	10.0	75.6	8.7	4.50	1446	20.79	3.52	0.91
HX 91-24	1.25	87.3	31.4	10.0	76.7	8.8	3.95	1470	19.07	3.42	0.76
TX 87G3-27	1.29	87.1	29.3	9.9	75.4	8.9	4.00	1518	20.80	3.49	1.03
TX 27D3-24	1.31	88.3	33.8	10.5	74.2	9.2	4.15	928	19.05	3.75	0.78
B 5064	1.22	87.4	35.5	11.0	75.6	8.6	4.05	926	18.55	3.31	1.20
B 7465	1.28	88.4	36.8	10.0	75.4	8.8	4.00	1075	20.99	3.50	0.98

Arealometer Data

VARIETY	A	D	I	M	p	w	t

	(mm2/mm3)	(mm2/mm3)		(%)	(microns)	(mg/inch)	(microns)
AGC 3076	427	26.5	1.69	86	53.04	5.12	3.1
HX 93-407	412	20.3	1.55	91	49.87	4.92	3.2
HB 147	438	25.0	1.66	87	50.43	4.72	3.0
DPX 0227	490	38.3	1.92	77	53.39	4.57	2.6
DELTAPINE 90	438	22.8	1.61	89	48.71	4.53	3.0
PD 93053	485	31.8	1.80	82	49.81	4.25	2.7
DELTAPINE 50	462	35.3	1.86	79	54.82	4.96	2.8
AGC 2006	440	25.8	1.67	86	50.69	4.72	3.0
GC 9033	427	19.5	1.54	92	47.58	4.54	3.1
B 49-20	478	31.5	1.79	82	50.42	4.36	2.7
DPX 8732	504	35.0	1.86	79	49.80	4.10	2.5
HX 03298	478	33.5	1.83	81	51.63	4.49	2.7
ACALA 1517-88	465	28.3	1.72	84	49.64	4.40	2.8
HX 91-24	520	38.8	1.93	77	50.37	4.06	2.5
TX 87G3-27	500	30.3	1.77	83	47.34	3.91	2.6
TX 27D3-24	491	33.3	1.83	80	50.09	4.23	2.6
B 5064	489	32.5	1.81	81	49.77	4.22	2.6
B 7465	516	28.3	1.72	84	44.45	3.52	2.5

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
PORTAGEVILLE, MO

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
AGC 2006	1212	A	.	41.3	10.9	134	1.19	0.58	209	7.0	4.60
AGC 3076	1163	A	.	41.6	9.9	138	1.17	0.56	236	8.0	4.25
TX 87G3-27	1158	A	.	40.8	10.9	136	1.22	0.60	211	7.4	4.05
DPX 0227	1147	A	.	42.1	10.9	140	1.15	0.57	223	7.8	4.25
DELTAPINE 90	1128	B A	.	42.5	10.9	143	1.20	0.59	228	6.8	4.65
GC 9033	1108	B A	.	41.7	10.9	139	1.16	0.58	230	7.3	4.60
DELTAPINE 50	1104	B A	.	38.5	11.2	125	1.19	0.56	188	8.1	4.35
HX 93-407	931	B C	.	39.2	13.0	135	1.19	0.59	219	8.0	5.05
ACALA 1517-88	926	B C	.	41.2	574	159	1.23	0.60	249	6.6	4.30
HX 91-24	920	B C	.	43.1	11.7	142	1.20	0.59	214	8.0	4.25
B 49-20	918	B C	.	38.9	13.7	149	1.17	0.58	235	7.8	4.00

HB 147	888	C	.	42.1	12.2	144	1.15	0.59	261	7.4	4.40
DPX 8732	858	C	.	42.7	10.7	148	1.22	0.58	223	6.6	4.35
HX 03298	833	C	.	39.8	11.9	134	1.18	0.57	217	7.1	4.60
PD 93053	812	C	.	39.6	11.3	155	1.23	0.59	220	7.1	3.95
B 5064	798	C	.	43.4	12.0	149	1.13	0.57	233	8.0	4.55
B 7465	757	C	.	38.5	12.4	173	1.20	0.61	262	7.4	3.80
TX 27D3-24	752	C	.	38.8	12.7	149	1.23	0.58	270	8.0	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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
AGC 2006	1.18	84.5	30.7	10.0	69.8	6.5	4.30	1833	19.88	3.16	1.07
AGC 3076	1.18	85.2	35.1	10.0	69.7	6.9	4.10	1773	19.52	3.33	1.16
TX 87G3-27	1.21	85.4	29.9	10.0	70.2	6.5	3.80	1664	21.03	3.58	1.05
DPX 0227	1.14	85.0	31.8	10.0	67.1	6.8	4.25	1579	20.24	3.26	1.08
DELTAPINE 90	1.16	84.8	33.9	10.0	69.2	6.8	4.40	1472	20.15	3.25	1.04
GC 9033	1.15	84.3	32.5	9.9	68.6	7.0	4.45	1506	21.04	3.18	1.18
DELTAPINE 50	1.17	84.7	25.6	10.0	71.2	6.6	4.15	1711	20.74	3.25	0.96
HX 93-407	1.16	84.6	32.4	10.5	69.3	6.9	4.95	1520	20.93	3.33	1.28
ACALA 1517-88	1.20	84.9	36.2	10.0	68.1	6.8	4.00	1321	20.26	3.56	0.82
HX 91-24	1.18	86.0	30.7	10.0	70.0	6.8	4.15	1296	20.23	3.41	0.80
B 49-20	1.18	85.4	31.0	9.8	66.7	6.2	4.00	1426	19.09	3.30	0.95
HB 147	1.14	85.4	35.2	10.0	65.7	7.7	4.50	1057	21.15	3.34	1.01
DPX 8732	1.20	84.4	32.8	9.9	70.7	7.0	4.30	1112	19.91	3.41	1.04
HX 03298	1.15	85.1	30.8	10.0	67.4	6.8	4.40	1168	20.49	3.38	1.33
PD 93053	1.22	86.2	32.6	10.0	66.2	6.7	3.85	1444	19.82	3.40	1.04
B 5064	1.12	84.5	37.2	10.0	69.3	6.6	4.35	988	19.45	3.48	0.84
B 7465	1.18	85.8	37.1	10.0	69.9	6.3	3.55	1123	21.53	3.36	0.66
TX 27D3-24	1.21	84.8	35.0	11.0	67.7	7.0	4.00	1240	19.93	3.58	0.76

Arealometer Data

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

AGC 2006	473	28.8	1.74	84	49.08	4.27	2.7
AGC 3076	498	34.3	1.84	80	49.93	4.16	2.6
TX 87G3-27	514	33.0	1.82	81	47.56	3.83	2.5
DPX 0227	491	40.0	1.95	76	54.28	4.64	2.6
DELTAPINE 90	465	28.3	1.73	84	49.71	4.40	2.8
GC 9033	468	31.8	1.79	82	51.65	4.57	2.8
DELTAPINE 50	497	38.8	1.93	77	52.85	4.45	2.6
HX 93-407	431	23.5	1.63	88	50.20	4.76	3.0
ACALA 1517-88	491	31.3	1.79	82	48.82	4.11	2.6
HX 91-24	508	36.8	1.89	78	50.36	4.13	2.5
B 49-20	517	39.0	1.93	77	50.83	4.11	2.5
HB 147	464	29.8	1.76	83	50.88	4.53	2.8
DPX 8732	491	29.5	1.75	84	47.69	3.99	2.6
HX 03298	469	35.3	1.86	79	53.91	4.79	2.7
PD 93053	520	40.3	1.95	76	51.15	4.12	2.5
B 5064	485	33.5	1.83	81	50.88	4.35	2.7
B 7465	541	36.5	1.89	78	46.99	3.60	2.4
TX 27D3-24	509	35.3	1.86	79	49.38	4.03	2.5

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
BELLE MINA, AL

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DPX 0227	1373	A	4.21	42.8	9.0	133	1.14	0.55	211	11	4.50
DELTAPINE 90	1275	B A	4.93	42.0	8.8	129	1.13	0.54	206	8.6	4.30
AGC 3076	1224	B C	4.56	42.1	8.6	140	1.12	0.53	209	8.8	4.65
HX 93-407	1220	B C	5.57	43.2	11.1	128	1.15	0.57	199	9.4	4.85
HB 147	1214	B C	4.57	42.3	9.6	142	1.14	0.55	226	8.8	4.30
TX 87G3-27	1206	B C D	6.07	41.7	10.5	132	1.16	0.52	194	7.9	4.05
AGC 2006	1198	B C D	5.06	42.9	10.7	129	1.15	0.55	185	10	4.60
HX 91-24	1169	B C D	5.00	43.7	9.7	127	1.15	0.54	194	9.3	3.90
GC 9033	1165	B C D	4.94	40.2	9.2	141	1.14	0.54	219	9.0	4.55
DELTAPINE 50	1159	B C D	4.93	38.2	9.9	116	1.14	0.51	170	11	4.05
HX 03298	1123	C D	4.26	40.0	9.6	126	1.13	0.54	189	8.1	4.00
DPX 8732	1114	C D	4.54	41.2	8.6	141	1.17	0.53	206	8.8	3.95
PD 93053	1089	D	5.42	40.3	9.7	139	1.15	0.55	206	8.1	4.00
ACALA 1517-88	970	E	4.43	40.6	9.6	145	1.15	0.53	215	7.8	4.15

B 49-20	936	E	6.38	39.2	11.4	131	1.12	0.55	197	8.5	4.10
B 5064	824	F	4.55	43.5	9.5	136	1.12	0.54	216	9.5	4.05
B 7465	717	G	5.05	40.9	10.4	157	1.14	0.55	254	7.8	3.55
TX 27D3-24	654	G	5.00	37.5	11.2	133	1.16	0.54	210	9.1	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	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DPX 0227	1.11	83.3	29.2	10.0	64.7	8.1	4.35	1885	20.78	2.98	1.13
DELTAPINE 90	1.12	83.4	29.6	10.0	64.6	7.4	4.20	1742	21.45	2.98	1.14
AGC 3076	1.12	83.2	30.6	10.5	64.8	7.9	4.55	1693	21.08	3.01	1.15
HX 93-407	1.14	84.3	27.4	10.5	68.2	7.3	4.75	1578	21.86	3.14	1.42
HB 147	1.12	84.8	31.1	10.0	64.3	8.1	4.25	1744	21.48	3.19	1.15
TX 87G3-27	1.17	84.0	26.4	9.8	66.7	7.8	3.80	1776	22.41	3.32	0.61
AGC 2006	1.15	83.8	28.2	10.0	62.8	7.3	4.60	1543	21.45	3.19	1.01
HX 91-24	1.13	84.1	27.6	9.9	64.6	7.1	3.60	1479	21.40	3.14	0.76
GC 9033	1.14	84.2	30.4	10.0	65.8	7.8	4.35	1711	21.30	3.02	1.00
DELTAPINE 50	1.14	83.4	24.2	10.0	67.4	7.5	4.05	1756	21.67	2.99	1.15
HX 03298	1.08	82.8	28.3	10.0	66.5	6.8	4.00	1631	20.87	3.09	1.38
DPX 8732	1.19	83.6	29.0	9.6	65.8	7.2	3.90	1640	20.73	3.04	1.00
PD 93053	1.16	84.1	28.3	9.9	67.7	7.3	3.65	1603	20.82	3.03	1.18
ACALA 1517-88	1.16	83.5	29.7	9.6	64.6	7.4	4.05	1485	21.73	3.45	0.85
B 49-20	1.10	83.3	28.1	9.7	64.6	7.7	4.05	1425	19.91	3.15	1.01
B 5064	1.09	83.2	31.6	10.5	67.3	8.2	3.85	1024	20.36	3.30	0.88
B 7465	1.12	83.9	32.4	10.5	65.1	7.3	3.45	945	20.42	3.35	0.49
TX 27D3-24	1.19	84.4	29.9	10.5	63.9	7.8	3.75	1031	20.81	3.44	0.86

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 0227	495	37.0	1.89	78	51.89	4.37	2.6
DELTAPINE 90	490	30.3	1.77	83	48.28	4.06	2.6
AGC 3076	467	25.0	1.66	87	47.08	4.12	2.8

HX 93-407	434	19.8	1.54	91	46.73	4.36	3.1
HB 147	485	33.5	1.83	81	50.75	4.35	2.7
TX 87G3-27	518	35.8	1.87	79	48.79	3.91	2.5
AGC 2006	460	24.0	1.64	88	47.24	4.19	2.8
HX 91-24	538	35.3	1.86	79	46.58	3.58	2.4
GC 9033	485	31.0	1.78	82	49.12	4.18	2.7
DELTAPINE 50	522	40.8	1.96	75	51.27	4.12	2.5
HX 03298	467	28.5	1.73	84	49.55	4.36	2.8
DPX 8732	516	36.5	1.89	78	49.46	3.99	2.5
PD 93053	546	43.0	2.00	74	49.88	3.83	2.3
ACALA 1517-88	493	26.3	1.69	86	45.31	3.75	2.6
B 49-20	495	31.8	1.80	82	48.69	4.06	2.6
B 5064	529	40.8	1.97	75	50.58	4.00	2.4
B 7465	549	38.0	1.91	77	46.81	3.53	2.3
TX 27D3-24	547	45.5	2.05	72	51.30	3.96	2.3

1994 HIGH QUALITY REGIONAL COTTON VARIETY TEST
KEISER, AR

VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	Digital Fibrograph 2.5% S.L. (inches)	Digital Fibrograph 50% S.L. (inches)	Stelometer T1 (mN/tex)	Stelometer E1 (%)	MICRONAIRE (Reading)
DPX 0227	1212	A	4.30	37.4	10.2	149	1.15	0.56	223	8.3	4.05
TX 87G3-27	1063	B	5.44	40.0	11.4	160	1.22	0.60	238	8.1	3.85
AGC 3076	1027	C B	4.91	37.7	9.7	160	1.19	0.57	231	7.3	4.10
GC 9033	1011	C B D	4.88	38.0	10.2	160	1.19	0.59	226	7.1	4.10
HX 93-407	991	C B D	5.41	35.9	12.8	161	1.21	0.58	240	9.1	4.15
AGC 2006	988	C B D	5.22	37.3	10.4	151	1.18	0.56	210	7.1	4.15
HB 147	985	C B D	4.77	38.4	10.4	160	1.16	0.56	233	7.4	4.00
DELTAPINE 50	984	C B D	4.99	35.9	10.4	133	1.19	0.57	186	8.0	4.30
DELTAPINE 90	916	EC B D	4.63	36.6	10.0	157	1.19	0.58	224	7.0	4.00
HX 03298	905	ECFB D	4.84	36.9	10.0	140	1.13	0.54	210	7.4	4.00
HX 91-24	894	ECF D	5.47	36.8	11.2	156	1.22	0.57	217	7.6	3.75
DPX 8732	879	ECFG D	4.79	36.6	9.7	161	1.20	0.57	220	6.9	3.60
B 7465	874	ECFG D	5.97	37.1	11.9	179	1.17	0.57	252	6.5	3.95
ACALA 1517-88	862	E FG D	5.00	37.0	11.3	165	1.20	0.58	235	5.9	4.20
TX 27D3-24	802	E FG	5.01	40.1	12.0	140	1.20	0.58	224	8.5	4.70
PD 93053	786	E FG	5.11	35.2	10.9	165	1.21	0.58	228	7.1	3.65
B 49-20	746	FG	6.14	32.6	12.7	154	1.19	0.59	221	7.1	3.75

B 5064	729	G	5.13	37.2	10.7	161	1.17	0.57	226	8.5	3.95

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DPX 0227	1.14	85.7	32.7	10.4	72.2	7.7	4.00	1929	20.30	3.27	0.73
TX 87G3-27	1.19	87.4	30.2	10.0	74.6	7.1	3.80	1558	21.38	3.17	1.09
AGC 3076	1.20	86.8	33.6	10.0	70.2	6.7	4.00	1794	18.75	3.26	0.89
GC 9033	1.16	86.1	32.0	10.0	72.1	6.5	4.05	1624	20.41	3.12	1.02
HX 93-407	1.23	87.5	33.8	11.0	72.2	7.9	4.15	1725	20.29	3.42	0.88
AGC 2006	1.17	85.5	29.1	9.8	75.2	7.2	4.05	1766	18.85	3.19	0.87
HB 147	1.17	86.7	32.6	10.0	71.8	7.6	3.90	1521	20.33	3.18	0.82
DELTAPINE 50	1.17	86.3	26.0	10.0	73.9	6.6	4.20	1883	20.49	3.14	1.27
DELTAPINE 90	1.15	85.4	31.2	9.7	75.2	7.5	3.90	1626	18.29	3.38	0.98
HX 03298	1.14	85.8	28.3	9.8	72.9	7.1	4.00	1678	19.96	3.40	1.02
HX 91-24	1.23	87.6	28.2	9.4	74.0	7.3	3.70	1467	19.84	3.31	1.01
DPX 8732	1.22	85.9	30.7	9.6	74.7	7.0	3.60	1493	19.67	3.15	0.95
B 7465	1.20	87.7	33.3	10.0	75.3	7.0	3.90	1458	20.19	3.35	0.66
ACALA 1517-88	1.19	85.3	32.2	9.8	71.4	7.4	4.20	1327	21.29	3.44	0.72
TX 27D3-24	1.16	86.4	31.2	11.0	74.3	6.6	4.80	1119	20.09	3.14	0.98
PD 93053	1.20	86.3	30.9	10.0	73.0	7.1	3.55	1477	20.26	3.35	0.86
B 49-20	1.18	86.4	31.6	9.8	71.5	6.5	3.80	1466	19.49	3.23	0.91
B 5064	1.16	86.3	33.7	10.0	72.8	6.8	3.85	1224	19.23	3.18	0.78

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DPX 0227	518	36.5	1.89	78	49.17	3.94	2.5
TX 87G3-27	541	38.0	1.91	77	47.85	3.70	2.4
AGC 3076	519	34.3	1.84	80	47.75	3.81	2.5
GC 9033	508	30.3	1.77	83	46.49	3.76	2.5
HX 93-407	512	32.5	1.81	81	47.39	3.82	2.5
AGC 2006	516	34.0	1.84	80	47.77	3.83	2.5

HB 147	538	40.5	1.96	75	49.47	3.84	2.4
DELTAPINE 50	508	36.5	1.89	78	50.22	4.11	2.5
DELTAPINE 90	544	35.8	1.87	79	46.28	3.52	2.3
HX 03298	507	31.3	1.78	82	46.94	3.81	2.5
HX 91-24	525	32.0	1.80	81	45.90	3.60	2.4
DPX 8732	556	38.5	1.92	77	46.62	3.49	2.3
B 7465	528	28.0	1.72	84	43.21	3.34	2.4
ACALA 1517-88	492	25.3	1.66	87	44.70	3.70	2.6
TX 27D3-24	442	20.8	1.57	90	46.68	4.28	3.0
PD 93053	557	40.0	1.95	76	47.30	3.53	2.3
B 49-20	521	34.3	1.84	80	47.60	3.78	2.5
B 5064	521	39.0	1.93	77	50.27	4.02	2.5

1994 ARIZONA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

1994 ARIZONA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

VARIETIES COMBINING LOCATIONS COULD NOT BE STATISTICALLY EVALUATED.

1994 ARIZONA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

LOCATIONS COMBINING VARIETIES

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

MARICOPA, AZ	1605	A	4.90	36.2	11.3	129	1.17	0.55	213	6.1	4.89
SAFFORD, AZ	1191	B	4.65	39.3	9.6	137	1.17	0.57	218	6.7	4.47

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)						Seed Data			
LOCATION	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
MARICOPA, AZ	1.15	83.9	29.6	9.7	73.0	7.5	4.89	2821	20.10	3.61	0.83
SAFFORD, AZ	1.14	84.1	31.1	9.9	73.8	8.1	4.42	1836	19.48	3.63	0.86

	Arealometer Data						
LOCATION	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
MARICOPA, AZ	428	11.1	1.33	99	40.13	3.72	3.2
SAFFORD, AZ	454	19.9	1.55	91	44.81	3.99	2.9

1994 ARIZONA REGIONAL COTTON VARIETY TEST
SAFFORD, AZ

							Digital Fibrograph		Stelometer		
VARIETY	LINT YIELD (lb/acre)		BOLL SIZE (g/boll)	LINT PERCENT	SEED INDEX	YARN TENACITY (mN/tex)	2.5% S.L. (inches)	50% S.L. (inches)	T1 (mN/tex)	E1 (%)	MICRONAIRE (Reading)
OA 9	1614	A	4.42	41.1	9.2	140	1.21	0.60	229	6.6	4.55
GC 9033	1504	B A	4.63	39.8	9.4	146	1.18	0.60	222	6.8	4.30
DPL 5690	1460	B A	4.91	40.7	9.0	137	1.15	0.56	229	6.8	4.40

HS SAL 10	1414	B A	4.18	39.5	8.8	138	1.19	0.57	214	7.8	4.15
HY 39	1401	B A	4.86	39.4	8.6	144	1.20	0.58	224	6.1	4.15
S-1001	1338	B A C	4.33	39.5	9.1	145	1.18	0.55	215	6.1	4.45
DELTAPINE 90	1289	DB A C	4.85	39.9	9.6	135	1.19	0.60	224	6.3	4.50
CB 1233	1286	DB A C	4.67	40.7	9.3	136	1.19	0.60	222	6.9	4.50
STV KC311	1262	DB C	4.58	38.9	9.1	141	1.14	0.54	229	6.4	4.80
STV LA 887	1217	DB C	5.38	39.9	10.4	137	1.15	0.53	200	7.6	4.50
STONEVILLE 1324	1066	D E C	4.60	39.2	10.0	135	1.17	0.56	213	6.3	4.50
AGC 2006	1060	D E C	4.88	38.0	9.8	141	1.19	0.56	213	6.3	4.30
ACALA 1517-88	1050	D E C	4.73	40.0	11.0	161	1.20	0.57	242	5.4	4.35
DP 5409	1026	D E C	4.25	39.5	9.2	137	1.16	0.55	226	7.1	4.30
CHEMBRED 232	1018	D E C	4.22	36.4	9.8	121	1.17	0.58	192	6.6	4.80
HS46	1012	D E C	4.40	39.7	8.6	136	1.16	0.55	225	7.4	4.30
AGC 1185	992	D E	5.03	37.7	10.5	138	1.15	0.54	203	5.4	4.55
DELTAPINE 50	981	D E	4.43	36.3	9.9	119	1.15	0.56	197	7.6	4.65
H 1220	954	D E	4.63	41.7	10.8	125	1.19	0.57	198	7.5	4.50
PAYMASTER HS 26	880	E	5.04	37.5	11.1	134	1.12	0.59	235	7.5	4.85

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

VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
OA 9	1.12	84.3	32.3	10.0	72.8	7.8	4.45	2316	21.04	3.64	0.93
GC 9033	1.15	84.3	32.2	10.0	75.3	8.4	4.35	2272	20.65	3.57	0.95
DPL 5690	1.12	83.2	31.9	10.0	74.7	8.1	4.40	2119	19.72	3.50	0.92
HS SAL 10	1.15	83.5	31.3	10.0	75.1	7.8	4.20	2164	17.15	3.55	0.93
HY 39	1.20	84.8	31.1	9.6	72.8	7.5	3.95	2156	19.43	3.49	0.74
S-1001	1.14	83.9	33.2	10.0	75.0	8.1	4.35	2054	20.17	3.49	0.86
DELTAPINE 90	1.15	84.6	32.8	10.0	75.0	7.9	4.55	1936	19.46	3.50	0.70
CB 1233	1.15	84.4	32.1	10.0	75.9	8.2	4.40	1878	19.87	3.49	0.96
STV KC311	1.13	83.8	33.0	10.0	75.6	8.1	4.75	1983	20.12	3.52	0.94
STV LA 887	1.14	83.7	30.4	10.0	71.8	8.8	4.40	1832	18.69	3.50	0.93
STONEVILLE 1324	1.14	84.3	31.6	10.0	71.9	8.4	4.40	1651	18.28	3.94	0.91
AGC 2006	1.19	85.0	29.1	9.7	75.7	7.7	4.35	1730	19.93	3.60	0.86
ACALA 1517-88	1.17	84.6	32.8	9.9	73.1	8.3	4.30	1574	19.57	3.84	0.63
DP 5409	1.12	83.8	31.7	10.0	74.0	8.1	4.35	1568	18.47	3.80	0.68
CHEMBRED 232	1.12	84.3	26.4	9.9	73.7	7.9	4.75	1793	19.23	3.60	0.88
HS46	1.13	84.1	33.0	10.0	72.6	8.6	4.30	1540	18.81	3.74	0.87
AGC 1185	1.15	82.7	28.8	9.5	73.6	7.8	4.30	1631	20.27	3.72	0.75

DELTAPINE 50	1.12	83.1	27.5	10.0	73.3	7.8	4.80	1728	19.57	3.64	0.89
H 1220	1.14	85.6	28.1	10.0	72.6	8.4	4.50	1338	19.07	3.84	1.06
PAYMASTER HS 26	1.07	83.6	32.6	10.5	72.3	8.3	4.55	1465	20.23	3.66	0.83

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
OA 9	.	.	.	.	.	.	.
GC 9033	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
HS SAL 10	.	.	.	.	.	.	.
HY 39	.	.	.	.	.	.	.
S-1001	.	.	.	.	.	.	.
DELTAPINE 90	466	22.3	1.60	89	45.23	3.94	2.8
CB 1233	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
STV LA 887	.	.	.	.	.	.	.
STONEVILLE 1324	.	.	.	.	.	.	.
AGC 2006	.	.	.	.	.	.	.
ACALA 1517-88	472	19.8	1.55	91	42.87	3.66	2.8
DP 5409	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
AGC 1185	.	.	.	.	.	.	.
DELTAPINE 50	430	18.0	1.50	93	45.80	4.29	3.1
H 1220	.	.	.	.	.	.	.
PAYMASTER HS 26	447	19.8	1.54	91	45.35	4.10	2.9

1994 ARIZONA REGIONAL COTTON VARIETY TEST
MARICOPA, AZ

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

DELTAPINE 50	1792	A	5.54	36.9	11.5	118	1.16	0.54	182	6.1	4.90
STV LA 887	1773	A	5.23	39.1	12.2	133	1.18	0.57	212	7.4	4.90
DELTAPINE 5415	1749	A	4.62	35.3	9.0	115	1.19	0.57	205	7.0	4.85
HS 44	1745	A	4.75	36.3	10.1	115	1.17	0.55	206	5.9	5.45
STV KC311	1711	B A	5.28	37.3	10.7	135	1.18	0.55	225	5.3	4.75
CHEMBRED 232	1708	B A	4.82	34.8	11.8	118	1.17	0.52	184	7.0	4.80
SUREGROW 501	1707	B A	4.47	37.2	10.7	145	1.17	0.57	223	6.8	5.20
AGC 2006	1704	B A	5.24	36.6	11.8	118	1.18	0.52	195	5.9	4.90
CBX 1233	1681	B A	4.91	38.3	10.7	126	1.19	0.57	206	6.1	5.10
DPL 5690	1668	B A	4.56	37.7	10.4	121	1.17	0.53	212	5.8	5.10
GC 9033	1642	B A	4.77	36.1	10.4	138	1.18	0.57	231	5.8	5.00
DELTAPINE 90	1629	B A	4.78	36.7	10.5	120	1.15	0.54	215	5.4	5.05
H 1220	1614	B A C	5.04	36.3	12.1	121	1.17	0.55	200	7.1	4.85
SG 125	1605	B A C	4.60	36.6	12.7	124	1.15	0.56	202	7.4	4.55
HY 39	1597	B A C	4.40	35.5	10.6	127	1.18	0.52	212	5.6	5.00
HS46	1547	DB A C	4.87	36.2	10.1	124	1.18	0.55	210	5.9	4.65
AGC 1185	1428	DB E C	4.85	34.4	12.8	151	1.20	0.56	227	5.0	4.65
OA 7	1340	D E C	5.18	35.7	12.7	142	1.19	0.57	235	5.3	4.75
PAYMASTER HS 26	1279	D E	5.44	33.3	13.1	132	1.15	0.55	228	6.8	4.85
ACALA 1517-88	1194	E	4.67	34.0	12.5	163	1.20	0.56	249	5.3	4.50

	SL-HVI Starlab (Calibrated to USDA SL-HVI Std.)							Seed Data			
VARIETY	2.5% S.L. (inches)	UNIFORMITY (%)	STRENGTH (g/tex)	E	Colorimeter Rd	Colorimeter Hunter's b	MICRONAIRE (Reading)	YIELD (lb/acre)	OIL (%)	NITROGEN (%)	FREE GOSSYPOL (%)
DELTAPINE 50	1.15	84.4	24.8	9.6	73.1	6.9	5.00	3067	20.54	3.44	0.74
STV LA 887	1.16	84.0	29.1	9.9	71.1	7.8	4.90	2762	20.16	3.60	0.85
DELTAPINE 5415	1.15	83.3	28.9	10.0	75.9	7.0	4.90	3195	17.18	3.57	0.82
HS 44	1.14	83.1	30.0	9.7	74.4	7.6	5.40	3061	19.49	3.41	0.92
STV KC311	1.16	84.2	30.6	9.5	73.6	7.8	4.75	2879	20.57	3.66	0.79
CHEMBRED 232	1.15	83.7	24.6	9.4	73.5	7.3	4.85	3197	20.80	3.44	1.12
SUREGROW 501	1.14	85.3	29.9	10.0	70.6	7.5	5.20	2882	18.70	3.61	1.06
AGC 2006	1.17	82.9	28.1	9.3	72.5	7.4	5.00	2947	20.63	3.49	0.87
CBX 1233	1.15	83.9	30.8	9.7	74.4	7.7	5.00	2709	20.53	3.64	0.94
DPL 5690	1.13	82.7	29.7	9.4	74.6	7.4	5.10	2753	20.37	3.73	0.81
GC 9033	1.14	84.1	31.7	9.5	73.8	7.3	4.90	2910	21.30	3.60	0.53
DELTAPINE 90	1.14	82.9	30.9	9.8	73.2	8.0	5.00	2806	20.34	3.72	0.86
H 1220	1.14	84.8	27.0	10.0	73.1	7.8	4.80	2829	20.00	3.84	1.00

SG 125	1.12	84.7	27.5	10.0	73.5	7.5	4.65	2784	19.47	3.80	1.03
HY 39	1.17	84.0	30.5	9.6	73.7	7.6	4.90	2900	20.71	3.40	0.67
HS46	1.15	82.7	29.4	9.4	72.1	7.4	4.75	2724	20.52	3.50	0.94
AGC 1185	1.18	84.4	32.4	9.9	71.8	7.6	4.60	2730	20.44	3.77	0.78
OA 7	1.15	84.0	32.2	9.7	72.5	7.7	4.80	2411	19.68	3.69	0.52
PAYMASTER HS 26	1.09	83.6	32.5	10.0	72.4	7.3	4.90	2556	20.19	3.66	0.83
ACALA 1517-88	1.20	85.3	32.3	9.2	70.8	7.4	4.45	2323	20.40	3.75	0.59

Arealometer Data

VARIETY	A (mm2/mm3)	D (mm2/mm3)	I	M (%)	p (microns)	w (mg/inch)	t (microns)
DELTAPINE 50	423	13.3	1.38	97	42.52	4.01	3.2
STV LA 887	.	.	.	.	.	.	.
DELTAPINE 5415	.	.	.	.	.	.	.
HS 44	.	.	.	.	.	.	.
STV KC311	.	.	.	.	.	.	.
CHEMBRED 232	.	.	.	.	.	.	.
SUREGROW 501	.	.	.	.	.	.	.
AGC 2006	.	.	.	.	.	.	.
CBX 1233	.	.	.	.	.	.	.
DPL 5690	.	.	.	.	.	.	.
GC 9033	.	.	.	.	.	.	.
DELTAPINE 90	418	9.8	1.29	101	39.87	3.78	3.4
H 1220	.	.	.	.	.	.	.
SG 125	.	.	.	.	.	.	.
HY 39	.	.	.	.	.	.	.
HS46	.	.	.	.	.	.	.
AGC 1185	.	.	.	.	.	.	.
OA 7	.	.	.	.	.	.	.
PAYMASTER HS 26	421	10.8	1.32	99	40.54	3.82	3.3
ACALA 1517-88	451	10.5	1.32	100	37.57	3.30	3.1

1994 PIMA REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

Results for the Pima tests in 1994 were unavailable due to weather conditions.

1994 PIMA COMBED YARN REGIONAL COTTON VARIETY TEST
REGIONAL SUMMARY

The Pima Combed Yarn Tests were discontinued beginning in 1994 due to rising costs in processing samples.

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

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