

1997 National Cotton Variety Test



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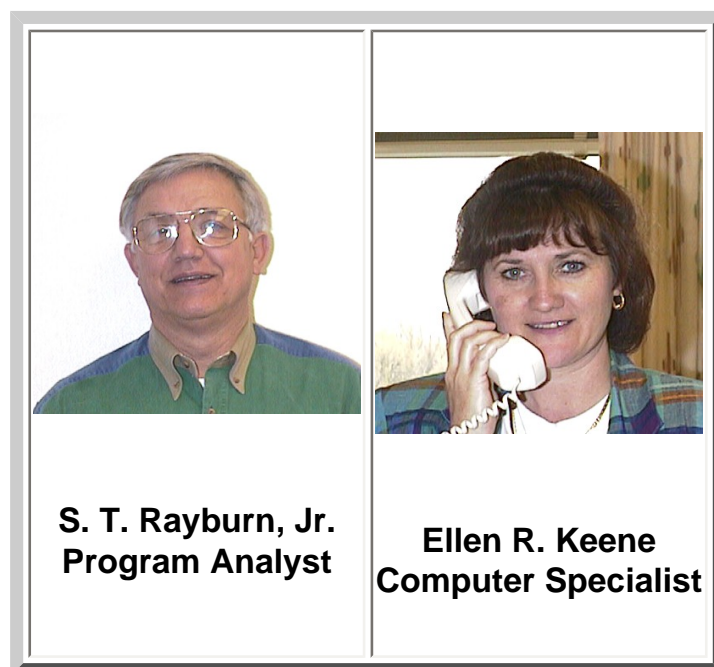
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Any time you see the cotton boll photograph as shown here, you may click on it to return to the top of the document.

**National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data**

Compiled by:



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

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

National Cotton Variety Tests, 1997.

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

Issued August 1998.

Processed by National Cotton Variety Testing Program:

**United States Department of Agriculture
Agricultural Research Service
Crop Genetics & Production Research Unit
P.O. Box 345
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| | | |
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The interest and cooperation of the commercial cottonseed firms of the United States are acknowledged. For the most part, seeds of the regional varieties were contributed by commercial firms. Seeds of varieties used as national standards were supplied by the following organizations:

Acala Maxxa

-- CPCSD, Shafter, CA;

Paymaster HS-26

-- Paymaster, Plainview, TX;

STV LA 887

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

SureGrow 125

-- SureGrow, Stoneville, MS.



Joint Cotton Breeding Policy Committee

(As of January 1997)

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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 - 1997 |
| Yield Archive File | 1960 - 1997 |
| Fiber Quality Archive File | 1960 - 1997 |

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 thirteenth 3-year testing cycle, beginning in 1996, the national standards were Acala Maxxa, Paymaster HS 26, Stoneville LA 887, and Suregrow 125. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards. Data on the national, regional, and interregional standards were included in this report. All varieties were grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U.S. Department of Agriculture or the cooperating State Agricultural Experiment Stations.

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

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

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

In 1996, results of the Regional Project S-205 Regional Bollworm-Budworm Tests and the Regional Short Season Tests were reprinted in this report. The purpose in reprinting this vital information is to assist Regional Project S-205 by making the data more widely available to the Cotton Improvement Community.



REGIONAL TESTS & PARTICIPATING STATIONS

Eastern Regional Cotton Variety Test (Upland Varieties)

Alabama Agricultural Experiment Station
Main Station

Auburn,

AL

Tennessee Valley Substation

Belle

Mina, AL

Georgia Agricultural Experiment Station
Georgia Coastal Experiment Station

Tifton,

GA

Clemson University
Pee Dee Experiment Station

Florence, SC

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station
Delta Substation

Clarkedale, AR

Mississippi Agricultural and Forestry Experiment Station
Delta Branch

Stoneville, MS

Missouri Agricultural Experiment Station
Delta Center

Portageville, MO

Louisiana Agricultural Experiment Station
Northeast Louisiana Experiment Station

St.

Joseph, LA

Central Regional Cotton Variety Test (Upland Varieties)

Louisiana Agricultural Experiment Station
Red River Valley Experiment Station

Bossier

City, LA

Texas A&M University
Extension Center

Weslaco, TX

Main Station

College

Station, TX

Off-Station Test

Neuces

County, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University
Agricultural Research and Extension

Dallas,

TX

Stiles Farm Foundation

Thrall,

TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station
Cotton Research Station
Irrigated Test

Chickasha, OK

Dryland Test

Chickasha, OK

Irrigation Experiment Station

Altus,

OK

Southwest Agronomy Research Station
Dryland Test

Tipton,

OK

Texas A&M University
Agricultural Research and Extension Center

(Chillicothe)

Dryland Test

Chillicothe, TX

Agricultural Research and Extension Center (Lubbock)
Irrigated Test

Lubbock, TX

Off-Station (Dryland Test)

Lamesa,

TX

Western Regional Cotton Variety Test (Upland Varieties)

New Mexico Agricultural Experiment Station
Main Station

Las

Cruces, NM

Southeastern Branch Station

Artesia, NM

Texas A&M University

Agricultural Research Center

El

Paso, TX

Agricultural Research Center

Pecos, TX

San Joaquin Valley Continuous Cotton Variety Test (Upland Varieties)

California Agricultural Experiment Station
West Side Field Station

Five

Points, CA

U.S. Cotton Field Station

Shafter, CA

High Quality Regional Cotton Variety Test

Alabama Agricultural Experiment Station
Tennessee Valley Substation

Belle

Mina, AL

Arkansas Agricultural Experiment Station
Delta Substation

Keiser,

AR

Clemson University
Pee Dee Experiment Station

Florence, SC

Georgia Agricultural Experiment Station
Georgia Coastal Plain Experiment Station

Tifton,

GA

Louisiana Agricultural Experiment Station
Red River Valley Experiment Station

Bossier

City, LA

Mississippi Agricultural and Forestry Experiment Station
Delta Branch

Stoneville, MS

Missouri Agricultural Experiment Station

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

Arizona Regional Cotton Variety Test

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

Pima Regional Cotton Variety Test

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

Combed-Yarn Test (American Pima Varieties)**

American Pima cottons are commonly spun into combed yarns. In addition

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

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



Explanations and Definitions

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

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

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

The column headings and symbols are defined as follows:

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

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

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

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

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

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

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

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

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

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

(t) Wall thickness in microns calculated from:

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

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

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

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

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

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

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

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

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

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

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

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

Seed Yield/Acre. The yield in pounds of seed per acre for each plot was calculated and reported.

(Reporting started with the 1994 tests.) The calculation used is:

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

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

2.5 S.L. See Digital Fibrograph for definition

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

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

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

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

Colorimeter

Rd. Is the percentage of the reflectance; the higher the value, the lighter the cotton.

Hunter's b value. Is a measure of increasing yellowness of the cotton.

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

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

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

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

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

[Introduction and Explanations](#)



Reporting Variations

Arizona Region Test Results:

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

Plains Region Test Results:

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

Cotton varieties tested in the 1997 National Cotton Variety Tests:

| VCODE | VARIETY | INCLUDED IN REGIONAL TEST |
|-------|---------------|------------------------------|
| ----- | ----- | ----- |
| 1046 | 89 E-51 | HQ |
| 1064 | 94 L-25 | HQ |
| 1067 | 9506-0081 | HQ |
| 788 | ACALA 1517-91 | WS |
| 1012 | ACALA 1517-95 | WS |
| 749 | ACALA GC 510 | WS |
| 773 | ACALA MAXXA | NS - ALL REGIONS |
| 756 | ACALA PREMA | WS |
| 1019 | ALL TEX ATLAS | PL |
| 1063 | ARK 87-12 | HQ |
| 1066 | B 210-3 | HQ |
| 1091 | B 27 | HQ |
| 1081 | BR 9602 | SJ |

1997 National Cotton Variety Test

| | | |
|------|------------------|----------------|
| 1082 | BR 9605 | SJ |
| 1021 | BS&D TEJAS | PL |
| 1022 | BS&D UTE | PL |
| 1024 | C 151 | SJ |
| 1025 | C 153 | SJ |
| 1083 | C 162 | SJ |
| 1084 | C 165 | SJ |
| 1085 | C 166 | SJ |
| 975 | CHANEY RANCH 252 | PI |
| 974 | CONQUISTADOR | PI |
| 689 | DELTAPINE 50 | AZ, BL, CN |
| 857 | DELTAPINE 5415 | AZ, EA |
| 649 | DELTAPINE 90 | AZ |
| 579 | DES 56 | CN |
| 1068 | DP 32 B | HQ |
| 919 | DP 5409 | AZ, CN, DL, EA |
| 849 | DPL 5690 | AZ, EA |
| 977 | DPL 9911 | PI |
| 1093 | DPX 9065 | HQ |
| 1059 | GA 92-316 | HQ |
| 1060 | GA 93-299 | HQ |
| 1070 | GC 120 | AZ |
| 1071 | GC 271 | AZ |
| 1072 | GC 303 | AZ |
| 1028 | GC 9427 | SJ |
| 983 | GC 95-MS-1 | WS |
| 1086 | GC 9533 | SJ |
| 1087 | GC 9536 | SJ |
| 1015 | H 1560 (HARTZ) | CN, EA |
| 1020 | HOLLAND 186 | PL |
| 932 | HS 44 | AZ |
| 865 | HS46 | AZ, EA |
| 1057 | HYX 6102 | HQ |
| 1076 | IF 1001 | AZ |
| 1062 | IF 1005 | HQ |
| 1061 | IF 1006 | HQ |
| 1058 | JBW HYBRID | HQ |
| 1073 | MAC 95 | AZ |
| 1065 | NC 72 | HQ |
| 1054 | NM SI 1331 | PI |
| 1009 | NU 33 B | AZ, DL |
| 1088 | OA 207 | SJ |
| 1030 | OA 211 | SJ |
| 1079 | OA 238 | AZ |

| | | |
|------|------------------|----------------------------|
| 1077 | OA 25 | AZ |
| 973 | OA 304 | PI |
| 1078 | OA 63 | AZ |
| 972 | ORO BLANCO | PI |
| 578 | PAYMASTER HS 26 | NS - ALL REGIONS EXCEPT HQ |
| 1023 | PAYMASTER PM 183 | PL |
| 1092 | PD 94035 | HQ |
| 1033 | PHY 56 | SJ |
| 1089 | PHY 68 | SJ |
| 1090 | PHY 69 | SJ |
| 471 | PIMA S-6 | NS-PIMA |
| 615 | PIMA S-7 | PI |
| 1052 | PM 1215 RR | DL |
| 1053 | PM 1330 BG/RR | DL |
| 834 | S-1001 | AZ, EA |
| 953 | SG 125 | NS - ALL REGIONS |
| 1074 | SG 180 | AZ |
| 1080 | SG 248 | AZ |
| 1016 | SG 404 | AZ, EA |
| 906 | SOUTHLAND 400 | PL |
| 1069 | SS 11038 | HQ |
| 990 | SS 9506 | AZ |
| 778 | STONEVILLE 6025 | WS |
| 901 | STV 132 | AZ |
| 971 | STV 474 | AZ, CN, DL, EA |
| 1075 | STV BXN 47 | AZ, EA |
| 741 | STV KC311 | EA |
| 893 | STV LA 887 | NS - ALL REGIONS |
| 915 | SUREGROW 501 | AZ, DL, EA |
| 1018 | TAMCOT SPHINX | BL, PL |



1997 REGIONAL SHORT SEASON TEST RESULTS

DELTA RESEARCH AND EXTENSION CENTER
DR. D. STEVE CALHOUN

At the request of Dr. Calhoun, please access the 1997 Regional Short Season Test Results through the Delta Research and Extension Center Home Page.

[1997 REGIONAL SHORT SEASON TEST](#)

1997 BUDWORM/BOLLWORM TEST RESULTS

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



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



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

United States Department of Agriculture

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National Cotton Variety Test Program
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Other links:

[Crop Genetics and Production Research Unit Home Page](#)

[Publications of the Crop Genetics & Production Research Unit](#)

[Jamie Whitten Delta States Research Center](#)

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



1997 National Cotton Variety Test



Crop Genetics & Production Research Unit
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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 EASTERN REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 EASTERN REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 857 | DELTAPINE 5415 | 1165 | 4.85 | 39.9 | 8.9 | 135 | 1.14 | 0.57 |
| 971 | STV 474 | 1158 | 4.81 | 42.9 | 9.7 | 125 | 1.13 | 0.57 |
| 915 | SUREGROW 501 | 1151 | 5.01 | 41.2 | 9.8 | 144 | 1.13 | 0.59 |
| 953 | SG 125 | 1133 | 5.17 | 40.4 | 10.2 | 128 | 1.15 | 0.57 |
| 1075 | STV BXN 47 | 1085 | 4.53 | 42.3 | 9.9 | 125 | 1.13 | 0.58 |
| 893 | STV LA 887 | 1084 | 5.76 | 41.3 | 11.0 | 139 | 1.15 | 0.58 |
| 919 | DP 5409 | 1070 | 4.42 | 39.5 | 9.4 | 130 | 1.15 | 0.56 |
| 1016 | SG 404 | 1061 | 4.93 | 38.8 | 10.5 | 134 | 1.14 | 0.58 |

1997 National Cotton Variety Test

| | | | | | | | | |
|------|-----------------|------|------|------|------|-----|------|------|
| 849 | DPL 5690 | 1035 | 5.08 | 39.0 | 10.1 | 141 | 1.14 | 0.58 |
| 865 | HS46 | 967 | 4.61 | 39.4 | 10.0 | 146 | 1.15 | 0.57 |
| 834 | S-1001 | 965 | 5.03 | 38.3 | 10.1 | 149 | 1.16 | 0.58 |
| 1015 | H 1560 (HARTZ) | 925 | 5.26 | 39.5 | 10.7 | 134 | 1.15 | 0.58 |
| 741 | STV KC311 | 917 | 4.94 | 38.1 | 10.2 | 148 | 1.17 | 0.59 |
| 578 | PAYMASTER HS 26 | 847 | 5.04 | 36.9 | 11.6 | 134 | 1.10 | 0.57 |
| 773 | ACALA MAXXA | 697 | 5.25 | 40.5 | 12.0 | 162 | 1.16 | 0.59 |
| . | LSD | 238 | 0.62 | 2.0 | 0.6 | 9 | 0.03 | 0.02 |

| VCODE | T1 | | MICRONAIRE | 2.5 | | STRN (g/tex) | HUNTERS | | | SEED YIELD (LB/AC) | |
|-------|--------|------|------------|------|------|-----------------|---------|------|-----------|-----------------------|------|
| | mN/tex | E1 | | S.L. | UNIF | | E | RD | b READING | | MIC |
| 857 | 211 | 8.67 | 4.90 | 1.13 | 84.2 | 29.8 | 10.3 | 76.0 | 7.9 | 4.72 | 1849 |
| 971 | 200 | 8.75 | 4.77 | 1.13 | 83.9 | 28.3 | 9.9 | 73.0 | 8.5 | 4.63 | 1581 |
| 915 | 230 | 8.55 | 4.77 | 1.13 | 83.9 | 31.3 | 10.3 | 73.7 | 7.9 | 4.57 | 1603 |
| 953 | 200 | 9.42 | 4.58 | 1.13 | 85.2 | 27.3 | 10.3 | 74.0 | 8.3 | 4.43 | 1635 |
| 1075 | 204 | 8.38 | 4.67 | 1.13 | 83.8 | 28.3 | 9.8 | 72.0 | 8.3 | 4.47 | 1493 |
| 893 | 217 | 8.43 | 4.60 | 1.13 | 84.0 | 30.2 | 10.1 | 73.7 | 8.7 | 4.50 | 1440 |
| 919 | 202 | 8.48 | 4.60 | 1.13 | 83.8 | 28.7 | 10.0 | 75.3 | 7.6 | 4.37 | 1706 |
| 1016 | 215 | 8.47 | 4.98 | 1.13 | 84.4 | 31.3 | 10.3 | 74.0 | 8.2 | 4.85 | 1738 |
| 849 | 215 | 8.02 | 4.70 | 1.13 | 83.9 | 31.8 | 10.0 | 75.5 | 7.6 | 4.65 | 1689 |
| 865 | 230 | 8.38 | 4.33 | 1.15 | 84.2 | 32.2 | 9.9 | 76.0 | 7.9 | 4.25 | 1430 |
| 834 | 240 | 7.67 | 4.37 | 1.15 | 84.1 | 32.7 | 9.8 | 76.2 | 7.8 | 4.28 | 1517 |
| 1015 | 209 | 8.88 | 4.48 | 1.15 | 84.1 | 28.8 | 10.1 | 73.8 | 8.5 | 4.28 | 1445 |
| 741 | 235 | 8.18 | 4.48 | 1.17 | 84.5 | 32.0 | 9.9 | 75.8 | 7.3 | 4.48 | 1439 |
| 578 | 220 | 9.22 | 4.57 | 1.10 | 83.2 | 30.7 | 10.3 | 74.3 | 7.7 | 4.48 | 1457 |
| 773 | 254 | 7.30 | 4.20 | 1.15 | 85.5 | 34.3 | 9.8 | 74.7 | 7.8 | 4.03 | 1030 |
| . | . | 1.22 | 0.49 | 0.05 | 1.2 | 1.3 | 0.4 | 1.6 | 0.4 | 0.53 | 346 |

| VCODE | OIL | NITROGEN | FREE | | | | | | | | |
|-------|-------|----------|----------|-----|------|------|-------|-------|------|-----|---|
| | | | GOSSYPOL | A | D | I | M | p | w | t | |
| 857 | 19.12 | 3.65 | 0.82 | . | . | . | . | . | . | . | . |
| 971 | 19.29 | 3.75 | 0.90 | . | . | . | . | . | . | . | . |
| 915 | 18.59 | 3.74 | 0.86 | . | . | . | . | . | . | . | . |
| 953 | 19.45 | 3.83 | 0.69 | 440 | 30.3 | 1.76 | 83.00 | 50.30 | 4.43 | 2.8 | |
| 1075 | 19.52 | 3.80 | 0.95 | . | . | . | . | . | . | . | . |
| 893 | 19.45 | 3.75 | 0.85 | 439 | 27.2 | 1.70 | 85.83 | 48.52 | 4.31 | 2.8 | |

1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-------|------|------|------|------|------|-------|-------|------|-----|
| 919 | 19.85 | 3.84 | 0.75 | . | . | . | . | . | . | . |
| 1016 | 18.60 | 3.56 | 0.89 | . | . | . | . | . | . | . |
| 849 | 19.49 | 3.67 | 0.88 | . | . | . | . | . | . | . |
| 865 | 19.28 | 3.66 | 0.91 | . | . | . | . | . | . | . |
| 834 | 19.51 | 3.73 | 0.92 | . | . | . | . | . | . | . |
| 1015 | 18.79 | 3.73 | 0.84 | . | . | . | . | . | . | . |
| 741 | 19.82 | 3.77 | 0.89 | . | . | . | . | . | . | . |
| 578 | 19.46 | 3.77 | 0.78 | 437 | 28.0 | 1.72 | 84.83 | 49.42 | 4.39 | 2.8 |
| 773 | 19.33 | 3.83 | 0.59 | 487 | 32.1 | 1.79 | 82.00 | 46.19 | 3.68 | 2.5 |
| . | 1.40 | 0.27 | 0.22 | 37.2 | 8.7 | 0.16 | 6.28 | 1.96 | 0.40 | 0.3 |

1997 NATIONAL COTTON VARIETY TEST
 1997 EASTERN REGION RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| 2.5 VARIETY S.L. | BOLL SIZE | | LINT | | SEED | |
|-------------------------|-----------|----------------|---------|-----------------|-------|----------------|
| | (G/BOLL) | VARIETY | PERCENT | VARIETY | INDEX | VARIETY |
| STV LA 887 1.17 | 5.76 | STV 474 | 42.9 | ACALA MAXXA | 12.0 | STV KC311 |
| H 1560 (HARTZ) 1.15 | 5.26 | STV BXN 47 | 42.3 | PAYMASTER HS 26 | 11.6 | ACALA MAXXA |
| ACALA MAXXA 1.15 | 5.25 | STV LA 887 | 41.3 | STV LA 887 | 11.0 | H 1560 (HARTZ) |
| SG 125 1.15 | 5.17 | SUREGROW 501 | 41.2 | H 1560 (HARTZ) | 10.7 | S-1001 |
| DPL 5690 1.15 | 5.08 | ACALA MAXXA | 40.5 | SG 404 | 10.5 | HS46 |
| PAYMASTER HS 26 1.13 | 5.04 | SG 125 | 40.4 | SG 125 | 10.2 | STV LA 887 |
| S-1001 1.13 | 5.03 | DELTAPINE 5415 | 39.9 | STV KC311 | 10.2 | SG 404 |
| SUREGROW 501 1.13 | 5.01 | H 1560 (HARTZ) | 39.5 | S-1001 | 10.1 | SG 125 |

1997 National Cotton Variety Test

| | | | | | | |
|------------------------|------|-----------------|------|----------------|------|-----------------|
| STV KC311 1.13 | 4.94 | DP 5409 | 39.5 | DPL 5690 | 10.1 | DPL 5690 |
| SG 404 1.13 | 4.93 | HS46 | 39.4 | HS46 | 10.0 | STV BXN 47 |
| DELTAPINE 5415 1.13 | 4.85 | DPL 5690 | 39.0 | STV BXN 47 | 9.9 | SUREGROW 501 |
| STV 474 1.13 | 4.81 | SG 404 | 38.8 | SUREGROW 501 | 9.8 | STV 474 |
| HS46 1.13 | 4.61 | S-1001 | 38.3 | STV 474 | 9.7 | DP 5409 |
| STV BXN 47 1.13 | 4.53 | STV KC311 | 38.1 | DP 5409 | 9.4 | DELTAPINE 5415 |
| DP 5409 1.10 | 4.42 | PAYMASTER HS 26 | 36.9 | DELTAPINE 5415 | 8.9 | PAYMASTER HS 26 |
| LSD 0.05 | 0.62 | LSD | 2.0 | LSD | 0.6 | LSD |

| VARIETY MIC | UNIF | VARIETY | STRN (g/tex) | VARIETY | E | VARIETY |
|------------------------|------|-----------------|-----------------|-----------------|------|-----------------|
| ACALA MAXXA 4.85 | 85.5 | ACALA MAXXA | 34.3 | SUREGROW 501 | 10.3 | SG 404 |
| SG 125 4.72 | 85.2 | S-1001 | 32.7 | DELTAPINE 5415 | 10.3 | DELTAPINE 5415 |
| STV KC311 4.65 | 84.5 | HS46 | 32.2 | SG 404 | 10.3 | DPL 5690 |
| SG 404 4.63 | 84.4 | STV KC311 | 32.0 | SG 125 | 10.3 | STV 474 |
| DELTAPINE 5415 4.57 | 84.2 | DPL 5690 | 31.8 | PAYMASTER HS 26 | 10.3 | SUREGROW 501 |
| HS46 4.50 | 84.2 | SG 404 | 31.3 | STV LA 887 | 10.1 | STV LA 887 |
| H 1560 (HARTZ) 4.48 | 84.1 | SUREGROW 501 | 31.3 | H 1560 (HARTZ) | 10.1 | PAYMASTER HS 26 |
| S-1001 4.48 | 84.1 | PAYMASTER HS 26 | 30.7 | DP 5409 | 10.0 | STV KC311 |
| STV LA 887 | 84.0 | STV LA 887 | 30.2 | DPL 5690 | 10.0 | STV BXN 47 |

1997 National Cotton Variety Test

| | | | | | | |
|-----------------|------|----------------|------|-------------|-----|----------------|
| 4.47 | | | | | | |
| DPL 5690 | 83.9 | DELTAPINE 5415 | 29.8 | STV 474 | 9.9 | SG 125 |
| 4.43 | | | | | | |
| SUREGROW 501 | 83.9 | H 1560 (HARTZ) | 28.8 | HS46 | 9.9 | DP 5409 |
| 4.37 | | | | | | |
| STV 474 | 83.9 | DP 5409 | 28.7 | STV KC311 | 9.9 | H 1560 (HARTZ) |
| 4.28 | | | | | | |
| STV BXN 47 | 83.8 | STV 474 | 28.3 | STV BXN 47 | 9.8 | S-1001 |
| 4.28 | | | | | | |
| DP 5409 | 83.8 | STV BXN 47 | 28.3 | ACALA MAXXA | 9.8 | HS46 |
| 4.25 | | | | | | |
| PAYMASTER HS 26 | 83.2 | SG 125 | 27.3 | S-1001 | 9.8 | ACALA MAXXA |
| 4.03 | | | | | | |
| LSD | 1.2 | LSD | 1.3 | LSD | 0.4 | LSD |
| 0.53 | | | | | | |

| VARIETY | RD | VARIETY | HUNTERS b READING | VARIETY | MICRO NAIRE | VARIETY |
|-----------------|------|----------------|----------------------|----------------|----------------|-----------------|
| E1 | | | | | | |
| S-1001 | 76.2 | STV LA 887 | 8.7 | SG 404 | 4.98 | SG 125 |
| 9.42 | | | | | | |
| DELTAPINE 5415 | 76.0 | STV 474 | 8.5 | DELTAPINE 5415 | 4.90 | PAYMASTER HS 26 |
| 9.22 | | | | | | |
| HS46 | 76.0 | H 1560 (HARTZ) | 8.5 | STV 474 | 4.77 | H 1560 (HARTZ) |
| 8.88 | | | | | | |
| STV KC311 | 75.8 | STV BXN 47 | 8.3 | SUREGROW 501 | 4.77 | STV 474 |
| 8.75 | | | | | | |
| DPL 5690 | 75.5 | SG 125 | 8.3 | DPL 5690 | 4.70 | DELTAPINE 5415 |
| 8.67 | | | | | | |
| DP 5409 | 75.3 | SG 404 | 8.2 | STV BXN 47 | 4.67 | SUREGROW 501 |
| 8.55 | | | | | | |
| ACALA MAXXA | 74.7 | HS46 | 7.9 | STV LA 887 | 4.60 | DP 5409 |
| 8.48 | | | | | | |
| PAYMASTER HS 26 | 74.3 | SUREGROW 501 | 7.9 | DP 5409 | 4.60 | SG 404 |
| 8.47 | | | | | | |
| SG 404 | 74.0 | DELTAPINE 5415 | 7.9 | SG 125 | 4.58 | STV LA 887 |
| 8.43 | | | | | | |

1997 National Cotton Variety Test

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|-----------------------------|--------|-----------------|------|-----------------|------|-----------------|
| SG 125 8.38 | 74.0 | S-1001 | 7.8 | PAYMASTER HS 26 | 4.57 | STV BXN 47 |
| H 1560 (HARTZ) 8.38 | 73.8 | ACALA MAXXA | 7.8 | H 1560 (HARTZ) | 4.48 | HS46 |
| SUREGROW 501 8.18 | 73.7 | PAYMASTER HS 26 | 7.7 | STV KC311 | 4.48 | STV KC311 |
| STV LA 887 8.02 | 73.7 | DP 5409 | 7.6 | S-1001 | 4.37 | DPL 5690 |
| STV 474 7.67 | 73.0 | DPL 5690 | 7.6 | HS46 | 4.33 | S-1001 |
| STV BXN 47 7.30 | 72.0 | STV KC311 | 7.3 | ACALA MAXXA | 4.20 | ACALA MAXXA |
| LSD 1.22 | 1.6 | LSD | 0.4 | LSD | 0.49 | LSD |
| | T1 | | 50 | | 2.5 | |
| YARN VARIETY TENACITY | mn/tex | VARIETY | S.L. | VARIETY | S.L. | VARIETY |
| ACALA MAXXA 162 | 254 | STV KC311 | 0.59 | STV KC311 | 1.17 | ACALA MAXXA |
| S-1001 149 | 240 | ACALA MAXXA | 0.59 | ACALA MAXXA | 1.16 | S-1001 |
| STV KC311 148 | 235 | SUREGROW 501 | 0.59 | S-1001 | 1.16 | STV KC311 |
| HS46 146 | 230 | S-1001 | 0.58 | SG 125 | 1.15 | HS46 |
| SUREGROW 501 144 | 230 | STV BXN 47 | 0.58 | H 1560 (HARTZ) | 1.15 | SUREGROW 501 |
| PAYMASTER HS 26 141 | 220 | STV LA 887 | 0.58 | HS46 | 1.15 | DPL 5690 |
| STV LA 887 139 | 217 | SG 404 | 0.58 | STV LA 887 | 1.15 | STV LA 887 |
| SG 404 135 | 215 | DPL 5690 | 0.58 | DP 5409 | 1.15 | DELTAPINE 5415 |
| DPL 5690 134 | 215 | H 1560 (HARTZ) | 0.58 | DPL 5690 | 1.14 | PAYMASTER HS 26 |

| | | | | | | |
|-----------------------|-----|-----------------|------|-----------------|------|----------------|
| DELTAPINE 5415 134 | 211 | HS46 | 0.57 | DELTAPINE 5415 | 1.14 | SG 404 |
| H 1560 (HARTZ) 134 | 209 | STV 474 | 0.57 | SG 404 | 1.14 | H 1560 (HARTZ) |
| STV BXN 47 130 | 204 | SG 125 | 0.57 | STV BXN 47 | 1.13 | DP 5409 |
| DP 5409 128 | 202 | PAYMASTER HS 26 | 0.57 | STV 474 | 1.13 | SG 125 |
| STV 474 125 | 200 | DELTAPINE 5415 | 0.57 | SUREGROW 501 | 1.13 | STV BXN 47 |
| SG 125 125 | 200 | DP 5409 | 0.56 | PAYMASTER HS 26 | 1.10 | STV 474 |
| LSD | . | LSD | 0.02 | LSD | 0.03 | |
| LSD | 9 | | | | | |

| VARIETY M | A | VARIETY | D | VARIETY | I | VARIETY |
|--------------------------|-----|-----------------|------|-----------------|------|-----------------|
| ACALA MAXXA 85.83 | 487 | ACALA MAXXA | 32.1 | ACALA MAXXA | 1.79 | STV LA 887 |
| SG 125 84.83 | 440 | SG 125 | 30.3 | SG 125 | 1.76 | PAYMASTER HS 26 |
| STV LA 887 83.00 | 439 | PAYMASTER HS 26 | 28.0 | PAYMASTER HS 26 | 1.72 | SG 125 |
| PAYMASTER HS 26 82.00 | 437 | STV LA 887 | 27.2 | STV LA 887 | 1.70 | ACALA MAXXA |
| S-1001 | . | S-1001 | . | S-1001 | . | S-1001 |
| STV KC311 | . | STV KC311 | . | STV KC311 | . | STV KC311 |
| HS46 | . | HS46 | . | HS46 | . | HS46 |
| SUREGROW 501 | . | SUREGROW 501 | . | SUREGROW 501 | . | SUREGROW 501 |
| DPL 5690 | . | DPL 5690 | . | DPL 5690 | . | DPL 5690 |
| DELTAPINE 5415 | . | DELTAPINE 5415 | . | DELTAPINE 5415 | . | DELTAPINE 5415 |
| SG 404 | . | SG 404 | . | SG 404 | . | SG 404 |
| H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | H 1560 (HARTZ) |
| DP 5409 | . | DP 5409 | . | DP 5409 | . | DP 5409 |
| STV BXN 47 | . | STV BXN 47 | . | STV BXN 47 | . | STV BXN 47 |
| STV 474 | . | STV 474 | . | STV 474 | . | STV 474 |

| | | | | | | |
|------|------|-----|-----|-----|------|-----|
| LSD | 37.2 | LSD | 8.7 | LSD | 0.16 | LSD |
| 6.28 | | | | | | |

| | | | | | | SEED |
|-----------------|-------|-----------------|------|-----------------|-----|-----------------|
| YIELD | | | | | | |
| VARIETY | p | VARIETY | w | VARIETY | t | VARIETY |
| (AC) | | | | | | (LB/ |
| SG 125 | 50.30 | SG 125 | 4.43 | STV LA 887 | 2.8 | DELTAPINE 5415 |
| 1849 | | | | | | |
| PAYMASTER HS 26 | 49.42 | PAYMASTER HS 26 | 4.39 | PAYMASTER HS 26 | 2.8 | SG 404 |
| 1738 | | | | | | |
| STV LA 887 | 48.52 | STV LA 887 | 4.31 | SG 125 | 2.8 | DP 5409 |
| 1706 | | | | | | |
| ACALA MAXXA | 46.19 | ACALA MAXXA | 3.68 | ACALA MAXXA | 2.5 | DPL 5690 |
| 1689 | | | | | | |
| S-1001 | . | S-1001 | . | S-1001 | . | SG 125 |
| 1635 | | | | | | |
| STV KC311 | . | STV KC311 | . | STV KC311 | . | SUREGROW 501 |
| 1603 | | | | | | |
| HS46 | . | HS46 | . | HS46 | . | STV 474 |
| 1581 | | | | | | |
| SUREGROW 501 | . | SUREGROW 501 | . | SUREGROW 501 | . | S-1001 |
| 1517 | | | | | | |
| DPL 5690 | . | DPL 5690 | . | DPL 5690 | . | STV BXN 47 |
| 1493 | | | | | | |
| DELTAPINE 5415 | . | DELTAPINE 5415 | . | DELTAPINE 5415 | . | PAYMASTER HS 26 |
| 1457 | | | | | | |
| SG 404 | . | SG 404 | . | SG 404 | . | H 1560 (HARTZ) |
| 1445 | | | | | | |
| H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | STV LA 887 |
| 1440 | | | | | | |
| DP 5409 | . | DP 5409 | . | DP 5409 | . | STV KC311 |
| 1439 | | | | | | |
| STV BXN 47 | . | STV BXN 47 | . | STV BXN 47 | . | HS46 |
| 1430 | | | | | | |
| STV 474 | . | STV 474 | . | STV 474 | . | ACALA MAXXA |
| 1030 | | | | | | |

| | | | | | | |
|-----|------|-----|------|-----|-----|-----|
| LSD | 1.96 | LSD | 0.40 | LSD | 0.3 | LSD |
| 346 | | | | | | |

| VARIETY | OIL | VARIETY | NITR OGEN | VARIETY | FREE GOSSYPOL |
|-----------------|-------|-----------------|--------------|-----------------|------------------|
| DP 5409 | 19.85 | DP 5409 | 3.84 | STV BXN 47 | 0.95 |
| STV KC311 | 19.82 | ACALA MAXXA | 3.83 | S-1001 | 0.92 |
| STV BXN 47 | 19.52 | SG 125 | 3.83 | HS46 | 0.91 |
| S-1001 | 19.51 | STV BXN 47 | 3.80 | STV 474 | 0.90 |
| DPL 5690 | 19.49 | STV KC311 | 3.77 | SG 404 | 0.89 |
| PAYMASTER HS 26 | 19.46 | PAYMASTER HS 26 | 3.77 | STV KC311 | 0.89 |
| STV LA 887 | 19.45 | STV LA 887 | 3.75 | DPL 5690 | 0.88 |
| SG 125 | 19.45 | STV 474 | 3.75 | SUREGROW 501 | 0.86 |
| ACALA MAXXA | 19.33 | SUREGROW 501 | 3.74 | STV LA 887 | 0.85 |
| STV 474 | 19.29 | H 1560 (HARTZ) | 3.73 | H 1560 (HARTZ) | 0.84 |
| HS46 | 19.28 | S-1001 | 3.73 | DELTAPINE 5415 | 0.82 |
| DELTAPINE 5415 | 19.12 | DPL 5690 | 3.67 | PAYMASTER HS 26 | 0.78 |
| H 1560 (HARTZ) | 18.79 | HS46 | 3.66 | DP 5409 | 0.75 |
| SG 404 | 18.60 | DELTAPINE 5415 | 3.65 | SG 125 | 0.69 |
| SUREGROW 501 | 18.59 | SG 404 | 3.56 | ACALA MAXXA | 0.59 |
| LSD | 1.40 | LSD | 0.27 | LSD | 0.22 |

1997 NATIONAL COTTON VARIETY TEST

1997 EASTERN REGION RESULTS

SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| AUBURN, AL | 1048 | 5.09 | 39.6 | 10.0 | 142 | 1.13 | 0.57 | 220 |
| FLORENCE, SC | 1029 | 4.80 | 42.2 | 10.1 | 125 | 1.11 | 0.56 | 205 |
| BELLE MINA, AL | 975 | 5.05 | 37.8 | 10.7 | 148 | 1.18 | 0.60 | 232 |

| | | | | |
|-------|-----|------|---------|------------|
| MICRO | 2.5 | STRN | HUNTERS | SEED YIELD |
|-------|-----|------|---------|------------|

1997 National Cotton Variety Test

| LOCATION | E1 | NAIRE | S.L. | UNIF | (g/tex) | E | RD | b | READING | MIC | (LB/AC) |
|----------------|------|-------|------|------|---------|------|------|-----|---------|------|---------|
| AUBURN, AL | 8.29 | 4.59 | 1.12 | 84.4 | 31.1 | 10.1 | 75.1 | 8.3 | 4.48 | 1632 | |
| FLORENCE, SC | 6.95 | 4.98 | 1.10 | 82.1 | 28.6 | 9.7 | 71.6 | 7.5 | 4.84 | 1397 | |
| BELLE MINA, AL | 10.1 | 4.23 | 1.20 | 86.1 | 31.9 | 10.3 | 77.0 | 8.3 | 4.08 | 1581 | |

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|----------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| AUBURN, AL | 19.54 | 3.75 | 0.74 | 470 | 33.1 | 1.82 | 81.13 | 48.62 | 4.03 | 2.6 |
| FLORENCE, SC | 19.29 | 3.85 | 0.84 | 419 | 22.1 | 1.60 | 89.50 | 47.97 | 4.46 | 3.0 |
| BELLE MINA, AL | 19.08 | 3.62 | 0.92 | 464 | 32.9 | 1.82 | 81.13 | 49.23 | 4.13 | 2.6 |

1997 NATIONAL COTTON VARIETY TEST
1997 EASTERN REGION RESULTS
SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=AUBURN, AL

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 971 | STV 474 | 1349 | 4.93 | 43.3 | 9.6 | 127 | 1.11 |
| 915 | SUREGROW 501 | 1287 | 4.72 | 42.1 | 9.5 | 141 | 1.12 |
| 919 | DP 5409 | 1284 | 4.87 | 41.0 | 9.1 | 125 | 1.12 |
| 953 | SG 125 | 1271 | 4.99 | 40.4 | 9.5 | 136 | 1.15 |
| 857 | DELTAPINE 5415 | 1265 | 4.81 | 39.7 | 8.8 | 136 | 1.12 |
| 1075 | STV BXN 47 | 1224 | 4.45 | 42.5 | 9.4 | 128 | 1.12 |
| 1016 | SG 404 | 1171 | 5.23 | 39.9 | 10.0 | 134 | 1.11 |
| 893 | STV LA 887 | 1162 | 5.92 | 40.9 | 10.9 | 144 | 1.15 |
| 849 | DPL 5690 | 953 | 5.39 | 37.9 | 10.2 | 149 | 1.13 |
| 578 | PAYMASTER HS 26 | 936 | 5.90 | 37.3 | 10.8 | 134 | 1.07 |
| 741 | STV KC311 | 930 | 5.13 | 38.3 | 9.6 | 155 | 1.15 |
| 834 | S-1001 | 816 | 5.75 | 36.5 | 10.3 | 157 | 1.15 |
| 1015 | H 1560 (HARTZ) | 767 | 5.15 | 38.0 | 10.4 | 142 | 1.17 |
| 865 | HS46 | 709 | 4.38 | 37.1 | 10.1 | 154 | 1.15 |

| | | | | | | | |
|-----|-------------|-----|------|------|------|-----|------|
| 773 | ACALA MAXXA | 591 | 4.74 | 38.7 | 11.7 | 168 | 1.13 |
| . | LSD | 464 | . | . | . | . | . |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC |
|-------|------|--------|------|-------|------|------|---------|------|-----------|---------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | b READING | | |
| 971 | 0.57 | 200 | 9.50 | 4.85 | 1.10 | 84.6 | 28.5 | 10.0 | 74.0 | 9.2 | 4.80 |
| 915 | 0.59 | 222 | 9.15 | 4.70 | 1.10 | 83.5 | 31.5 | 10.5 | 74.0 | 8.2 | 4.65 |
| 919 | 0.55 | 192 | 8.30 | 4.65 | 1.10 | 84.5 | 29.5 | 10.5 | 76.5 | 7.4 | 4.45 |
| 953 | 0.56 | 194 | 8.50 | 4.40 | 1.10 | 84.5 | 27.5 | 10.0 | 75.0 | 8.7 | 4.25 |
| 857 | 0.56 | 203 | 8.25 | 4.75 | 1.10 | 84.2 | 29.0 | 10.0 | 75.0 | 8.1 | 4.65 |
| 1075 | 0.59 | 205 | 8.75 | 4.95 | 1.10 | 84.9 | 28.0 | 10.0 | 71.0 | 8.5 | 4.75 |
| 1016 | 0.58 | 218 | 8.50 | 5.20 | 1.10 | 84.2 | 31.0 | 10.5 | 74.5 | 8.6 | 5.10 |
| 893 | 0.58 | 210 | 7.15 | 4.60 | 1.10 | 84.2 | 31.5 | 10.0 | 74.0 | 9.5 | 4.40 |
| 849 | 0.58 | 224 | 6.90 | 4.95 | 1.15 | 84.0 | 32.5 | 10.0 | 76.0 | 7.8 | 4.85 |
| 578 | 0.57 | 223 | 9.15 | 4.80 | 1.05 | 82.9 | 31.0 | 10.5 | 74.5 | 8.0 | 4.70 |
| 741 | 0.59 | 243 | 9.25 | 4.50 | 1.20 | 84.8 | 33.0 | 10.0 | 77.0 | 7.5 | 4.55 |
| 834 | 0.59 | 251 | 7.50 | 4.40 | 1.15 | 84.4 | 35.0 | 10.0 | 76.5 | 8.1 | 4.35 |
| 1015 | 0.59 | 213 | 8.65 | 4.00 | 1.20 | 85.2 | 29.5 | 10.0 | 75.5 | 8.7 | 3.80 |
| 865 | 0.58 | 234 | 7.65 | 4.10 | 1.15 | 84.8 | 33.0 | 10.0 | 76.5 | 7.9 | 4.05 |
| 773 | 0.59 | 263 | 7.15 | 4.00 | 1.10 | 85.2 | 35.5 | 10.0 | 76.0 | 8.2 | 3.80 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 971 | 1845 | 20.38 | 3.81 | 0.68 | . | . | . | . | . | . | . |
| 915 | 1733 | 19.63 | 3.69 | 0.48 | . | . | . | . | . | . | . |
| 919 | 2277 | 20.40 | 4.28 | 0.69 | . | . | . | . | . | . | . |
| 953 | 1802 | 20.99 | 3.87 | 0.62 | 460 | 32.5 | 1.81 | 81.50 | 49.48 | 4.17 | 2.6 |
| 857 | 2088 | 20.21 | 3.47 | 0.85 | . | . | . | . | . | . | . |
| 1075 | 1746 | 20.29 | 3.77 | 0.63 | . | . | . | . | . | . | . |
| 1016 | 2074 | 18.23 | 3.44 | 0.81 | . | . | . | . | . | . | . |
| 893 | 1379 | 19.05 | 3.87 | 0.87 | 456 | 29.0 | 1.74 | 84.00 | 47.88 | 4.06 | 2.7 |
| 849 | 1591 | 18.69 | 3.60 | 0.88 | . | . | . | . | . | . | . |
| 578 | 1547 | 18.86 | 3.90 | 0.85 | 438 | 28.3 | 1.73 | 84.50 | 49.60 | 4.39 | 2.8 |
| 741 | 1351 | 19.66 | 3.82 | 0.87 | . | . | . | . | . | . | . |
| 834 | 1534 | 20.22 | 3.77 | 0.86 | . | . | . | . | . | . | . |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 1015 | 1430 | 18.02 | 3.55 | 0.79 | . | . | . | . | . | . | . |
| 865 | 1079 | 18.99 | 3.62 | 0.83 | . | . | . | . | . | . | . |
| 773 | 1002 | 19.58 | 3.76 | 0.46 | 526 | 42.5 | 1.99 | 74.50 | 47.51 | 3.49 | 2.3 |
| . | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=FLORENCE, SC

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 915 | SUREGROW 501 | 1166 | 4.90 | 42.3 | 9.5 | 139 | 1.09 |
| 865 | HS46 | 1163 | 4.50 | 43.3 | 9.3 | 127 | 1.11 |
| 857 | DELTAPINE 5415 | 1147 | 4.46 | 42.2 | 8.4 | 124 | 1.11 |
| 834 | S-1001 | 1141 | 4.33 | 41.9 | 9.7 | 131 | 1.13 |
| 953 | SG 125 | 1110 | 5.08 | 42.4 | 10.1 | 117 | 1.13 |
| 893 | STV LA 887 | 1105 | 5.83 | 44.7 | 10.4 | 126 | 1.10 |
| 1075 | STV BXN 47 | 1104 | 4.66 | 44.6 | 10.1 | 110 | 1.11 |
| 1016 | SG 404 | 1090 | 4.56 | 40.5 | 10.7 | 119 | 1.11 |
| 971 | STV 474 | 1086 | 4.82 | 45.6 | 9.6 | 111 | 1.11 |
| 849 | DPL 5690 | 1081 | 4.92 | 42.3 | 9.5 | 121 | 1.11 |
| 1015 | H 1560 (HARTZ) | 1049 | 5.29 | 42.9 | 10.6 | 120 | 1.09 |
| 919 | DP 5409 | 964 | 4.17 | 40.2 | 9.7 | 119 | 1.13 |
| 741 | STV KC311 | 843 | 4.64 | 39.8 | 10.5 | 130 | 1.15 |
| 578 | PAYMASTER HS 26 | 801 | 4.67 | 38.0 | 11.4 | 128 | 1.09 |
| 773 | ACALA MAXXA | 592 | 5.22 | 42.0 | 11.8 | 154 | 1.16 |
| . | LSD | 216 | 0.41 | 2.0 | 1.1 | 16 | 0.05 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 915 | 0.57 | 226 | 7.25 | 5.20 | 1.10 | 83.0 | 30.5 | 10.0 | 71.5 | 7.2 | 4.95 |
| 865 | 0.55 | 213 | 7.00 | 4.60 | 1.10 | 81.4 | 30.0 | 9.7 | 74.0 | 7.5 | 4.65 |
| 857 | 0.54 | 207 | 7.25 | 5.15 | 1.10 | 82.1 | 29.0 | 10.0 | 74.0 | 7.6 | 5.05 |
| 834 | 0.57 | 214 | 6.25 | 4.80 | 1.10 | 82.5 | 29.5 | 9.3 | 74.0 | 7.3 | 4.65 |
| 953 | 0.57 | 188 | 8.25 | 4.95 | 1.10 | 83.5 | 25.0 | 10.0 | 71.0 | 7.6 | 4.75 |
| 893 | 0.55 | 202 | 6.65 | 5.15 | 1.10 | 81.1 | 27.5 | 9.9 | 71.0 | 8.1 | 5.05 |
| 1075 | 0.56 | 187 | 7.15 | 5.45 | 1.10 | 80.8 | 26.5 | 9.5 | 69.5 | 7.9 | 5.25 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|------|-----|------|------|------|------|------|------|------|-----|------|
| 1016 | 0.55 | 200 | 6.40 | 5.30 | 1.10 | 82.0 | 29.5 | 10.0 | 70.0 | 7.7 | 5.40 |
| 971 | 0.55 | 196 | 7.25 | 5.35 | 1.10 | 81.6 | 27.0 | 9.8 | 69.5 | 7.8 | 5.15 |
| 849 | 0.55 | 185 | 6.65 | 5.00 | 1.05 | 81.8 | 29.5 | 9.4 | 71.5 | 7.1 | 5.05 |
| 1015 | 0.54 | 193 | 7.00 | 5.10 | 1.05 | 81.4 | 27.0 | 9.8 | 71.0 | 8.2 | 5.00 |
| 919 | 0.54 | 197 | 7.15 | 4.65 | 1.10 | 81.1 | 26.5 | 9.5 | 72.5 | 7.3 | 4.35 |
| 741 | 0.58 | 218 | 6.80 | 4.90 | 1.10 | 82.8 | 29.5 | 9.6 | 71.5 | 6.8 | 4.75 |
| 578 | 0.56 | 205 | 7.50 | 4.70 | 1.10 | 81.1 | 29.5 | 9.9 | 72.0 | 7.5 | 4.50 |
| 773 | 0.58 | 235 | 5.75 | 4.35 | 1.15 | 85.0 | 32.0 | 9.4 | 70.5 | 7.1 | 4.10 |
| . | 0.03 | . | 0.81 | 0.56 | 0.07 | 2.0 | 1.8 | 0.6 | 2.3 | 0.7 | 0.45 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 915 | 1442 | 18.29 | 3.80 | 1.05 | . | . | . | . | . | . | . |
| 865 | 1416 | 19.90 | 3.83 | 0.97 | . | . | . | . | . | . | . |
| 857 | 1610 | 18.09 | 3.74 | 0.88 | . | . | . | . | . | . | . |
| 834 | 1505 | 20.34 | 3.92 | 0.97 | . | . | . | . | . | . | . |
| 953 | 1496 | 18.57 | 3.79 | 0.62 | 409 | 23.0 | 1.62 | 88.50 | 49.67 | 4.70 | 3.0 |
| 893 | 1300 | 19.89 | 3.82 | 0.86 | 391 | 19.0 | 1.53 | 92.50 | 48.95 | 4.84 | 3.3 |
| 1075 | 1322 | 19.57 | 3.87 | 1.15 | . | . | . | . | . | . | . |
| 1016 | 1442 | 18.76 | 3.75 | 0.87 | . | . | . | . | . | . | . |
| 971 | 1324 | 18.70 | 3.91 | 0.94 | . | . | . | . | . | . | . |
| 849 | 1789 | 20.26 | 3.95 | 0.86 | . | . | . | . | . | . | . |
| 1015 | 1361 | 19.69 | 3.93 | 0.81 | . | . | . | . | . | . | . |
| 919 | 1294 | 18.54 | 3.68 | 0.71 | . | . | . | . | . | . | . |
| 741 | 1332 | 19.89 | 3.85 | 0.86 | . | . | . | . | . | . | . |
| 578 | 1455 | 19.62 | 3.70 | 0.60 | 416 | 22.5 | 1.61 | 89.00 | 48.52 | 4.51 | 3.0 |
| 773 | 865 | 19.23 | 4.16 | 0.47 | 459 | 24.0 | 1.64 | 88.00 | 44.75 | 3.78 | 2.7 |
| . | 0 | 1.34 | 0.26 | 0.09 | 57.4 | 13.0 | 0.29 | 10.67 | 5.00 | 0.38 | 0.6 |

LOCATION=BELLE MINA, AL

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 S.L. |
|-------|----------------|------------|-----------|---------|-------|----------|-------------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | |
| 857 | DELTAPINE 5415 | 1083 | 5.28 | 37.7 | 9.7 | 147 | 1.19 |
| 849 | DPL 5690 | 1071 | 4.92 | 36.8 | 10.6 | 153 | 1.19 |

1997 National Cotton Variety Test

| | | | | | | | |
|------|-----------------|------|------|------|------|-----|------|
| 971 | STV 474 | 1039 | 4.69 | 39.9 | 10.0 | 137 | 1.17 |
| 865 | HS46 | 1027 | 4.95 | 37.7 | 10.7 | 158 | 1.19 |
| 953 | SG 125 | 1018 | 5.45 | 38.3 | 11.1 | 133 | 1.18 |
| 915 | SUREGROW 501 | 999 | 5.40 | 39.2 | 10.3 | 153 | 1.18 |
| 893 | STV LA 887 | 985 | 5.54 | 38.4 | 11.8 | 148 | 1.19 |
| 741 | STV KC311 | 979 | 5.05 | 36.3 | 10.4 | 158 | 1.21 |
| 919 | DP 5409 | 963 | 4.22 | 37.2 | 9.5 | 148 | 1.19 |
| 1015 | H 1560 (HARTZ) | 959 | 5.34 | 37.6 | 11.0 | 141 | 1.19 |
| 834 | S-1001 | 937 | 5.01 | 36.6 | 10.3 | 158 | 1.19 |
| 1075 | STV BXN 47 | 927 | 4.49 | 39.9 | 10.2 | 139 | 1.17 |
| 1016 | SG 404 | 922 | 5.01 | 36.0 | 10.7 | 150 | 1.19 |
| 773 | ACALA MAXXA | 907 | 5.78 | 40.7 | 12.4 | 165 | 1.19 |
| 578 | PAYMASTER HS 26 | 804 | 4.55 | 35.3 | 12.5 | 142 | 1.15 |
| . | LSD | 192 | . | . | . | . | . |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC |
|-------|------|--------|------|-------|------|------|---------|------|------|-----------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | |
| 857 | 0.60 | 224 | 10.5 | 4.80 | 1.20 | 86.4 | 31.5 | 11.0 | 79.0 | 7.9 | 4.45 |
| 849 | 0.60 | 234 | 10.5 | 4.15 | 1.20 | 86.1 | 33.5 | 10.5 | 79.0 | 8.0 | 4.05 |
| 971 | 0.60 | 206 | 9.50 | 4.10 | 1.20 | 85.7 | 29.5 | 10.0 | 75.5 | 8.7 | 3.95 |
| 865 | 0.60 | 242 | 10.5 | 4.30 | 1.20 | 86.5 | 33.5 | 10.0 | 77.5 | 8.5 | 4.05 |
| 953 | 0.59 | 219 | 11.5 | 4.40 | 1.20 | 87.7 | 29.5 | 11.0 | 76.0 | 8.5 | 4.30 |
| 915 | 0.60 | 241 | 9.25 | 4.40 | 1.20 | 85.4 | 32.0 | 10.5 | 75.5 | 8.3 | 4.10 |
| 893 | 0.60 | 238 | 11.5 | 4.05 | 1.20 | 86.9 | 31.5 | 10.5 | 76.0 | 8.5 | 4.05 |
| 741 | 0.60 | 246 | 8.50 | 4.05 | 1.20 | 86.0 | 33.5 | 10.0 | 79.0 | 7.7 | 4.15 |
| 919 | 0.60 | 217 | 10.0 | 4.50 | 1.20 | 85.8 | 30.0 | 10.0 | 77.0 | 8.3 | 4.30 |
| 1015 | 0.60 | 220 | 11.0 | 4.35 | 1.20 | 85.8 | 30.0 | 10.5 | 75.0 | 8.7 | 4.05 |
| 834 | 0.60 | 255 | 9.25 | 3.90 | 1.20 | 85.4 | 33.5 | 10.0 | 78.0 | 8.2 | 3.85 |
| 1075 | 0.59 | 219 | 9.25 | 3.60 | 1.20 | 85.8 | 30.5 | 10.0 | 75.5 | 8.7 | 3.40 |
| 1016 | 0.60 | 229 | 10.5 | 4.45 | 1.20 | 87.0 | 33.5 | 10.5 | 77.5 | 8.5 | 4.05 |
| 773 | 0.60 | 265 | 9.00 | 4.25 | 1.20 | 86.4 | 35.5 | 10.0 | 77.5 | 8.1 | 4.20 |
| 578 | 0.59 | 232 | 11.0 | 4.20 | 1.15 | 85.6 | 31.5 | 10.5 | 76.5 | 7.7 | 4.25 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-----|------|----------|---|---|---|---|---|---|---|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |

| | | | | | | | | | | | |
|------|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 857 | 1850 | 19.08 | 3.75 | 0.75 | . | . | . | . | . | . | . |
| 849 | 1687 | 19.53 | 3.45 | 0.89 | . | . | . | . | . | . | . |
| 971 | 1575 | 18.79 | 3.54 | 1.08 | . | . | . | . | . | . | . |
| 865 | 1794 | 18.95 | 3.55 | 0.94 | . | . | . | . | . | . | . |
| 953 | 1605 | 18.78 | 3.83 | 0.84 | 453 | 35.3 | 1.86 | 79.00 | 51.74 | 4.43 | 2.7 |
| 915 | 1634 | 17.87 | 3.72 | 1.06 | . | . | . | . | . | . | . |
| 893 | 1640 | 19.41 | 3.57 | 0.84 | 471 | 33.5 | 1.83 | 81.00 | 48.74 | 4.03 | 2.6 |
| 741 | 1635 | 19.93 | 3.65 | 0.94 | . | . | . | . | . | . | . |
| 919 | 1547 | 20.62 | 3.56 | 0.86 | . | . | . | . | . | . | . |
| 1015 | 1543 | 18.67 | 3.71 | 0.91 | . | . | . | . | . | . | . |
| 834 | 1512 | 17.96 | 3.50 | 0.94 | . | . | . | . | . | . | . |
| 1075 | 1412 | 18.69 | 3.78 | 1.08 | . | . | . | . | . | . | . |
| 1016 | 1697 | 18.83 | 3.50 | 1.00 | . | . | . | . | . | . | . |
| 773 | 1224 | 19.20 | 3.58 | 0.83 | 476 | 29.8 | 1.76 | 83.50 | 46.31 | 3.76 | 2.6 |
| 578 | 1367 | 19.92 | 3.71 | 0.89 | 456 | 33.3 | 1.82 | 81.00 | 50.13 | 4.28 | 2.7 |
| . | . | . | . | . | . | . | . | . | . | . | . |

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

United States Department of Agriculture

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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 DELTA REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 DELTA REGION TEST RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 971 | STV 474 | 1344 | 4.76 | 42.0 | 8.8 | 123 | 1.11 | 0.57 |
| 915 | SUREGROW 501 | 1295 | 4.76 | 41.7 | 8.7 | 142 | 1.11 | 0.58 |
| 953 | SG 125 | 1248 | 5.12 | 40.8 | 9.3 | 125 | 1.14 | 0.57 |
| 1052 | PM 1215 RR | 1223 | 5.07 | 38.9 | 10.4 | 128 | 1.13 | 0.58 |
| 919 | DP 5409 | 1199 | 4.50 | 39.7 | 9.2 | 119 | 1.14 | 0.56 |
| 893 | STV LA 887 | 1146 | 5.70 | 40.8 | 11.1 | 132 | 1.13 | 0.57 |
| 1053 | PM 1330 BG/RR | 1140 | 4.97 | 38.2 | 9.8 | 131 | 1.14 | 0.57 |
| 1009 | NU 33 B | 1063 | 4.46 | 38.8 | 8.3 | 124 | 1.12 | 0.56 |
| 578 | PAYMASTER HS 26 | 940 | 6.11 | 36.7 | 11.3 | 133 | 1.11 | 0.57 |
| 773 | ACALA MAXXA | 754 | 5.31 | 41.2 | 10.5 | 143 | 1.12 | 0.56 |
| . | LSD | 109 | 0.36 | 1.3 | 0.6 | 6 | 0.02 | 0.01 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 971 | 192 | 6.85 | 5.13 | 1.05 | 83.5 | 28.8 | 9.6 | 69.8 | 7.8 | 5.00 | 1822 |
| 915 | 223 | 7.45 | 5.08 | 1.10 | 84.4 | 32.3 | 10.0 | 69.8 | 8.0 | 5.00 | 1824 |
| 953 | 189 | 8.02 | 4.82 | 1.13 | 84.0 | 26.7 | 9.8 | 71.8 | 7.9 | 4.67 | 1833 |
| 1052 | 195 | 7.13 | 4.90 | 1.10 | 84.6 | 29.3 | 10.0 | 72.3 | 7.2 | 4.85 | 1922 |
| 919 | 189 | 7.63 | 4.78 | 1.12 | 82.9 | 27.7 | 9.5 | 73.2 | 7.7 | 4.67 | 1786 |
| 893 | 197 | 7.00 | 5.10 | 1.10 | 82.4 | 29.0 | 9.7 | 74.0 | 9.4 | 5.10 | 1644 |
| 1053 | 202 | 7.37 | 4.83 | 1.13 | 83.6 | 27.8 | 9.3 | 72.0 | 7.6 | 4.73 | 1798 |
| 1009 | 197 | 7.83 | 4.93 | 1.13 | 83.3 | 28.5 | 9.7 | 73.5 | 7.4 | 4.68 | 1602 |
| 578 | 223 | 7.84 | 4.63 | 1.09 | 84.4 | 30.3 | 9.9 | 71.1 | 7.2 | 4.55 | 1598 |
| 773 | 233 | 7.20 | 4.00 | 1.10 | 84.3 | 33.3 | 9.4 | 70.3 | 7.2 | 3.75 | 971 |

. 299 0.44 0.29 0.03 0.8 1.4 0.3 1.6 0.4 0.31 191

| VCODE | OIL | NITROGEN | FREE | | | A | D | I | M | p | w | t |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|---|---|
| | | | GOSSYPOL | | | | | | | | | |
| 971 | 21.04 | 3.06 | 1.45 | . | . | . | . | . | . | . | . | . |
| 915 | 20.18 | 3.22 | 1.16 | . | . | . | . | . | . | . | . | . |
| 953 | 19.47 | 3.09 | 1.08 | 422 | 24.7 | 1.65 | 87.67 | 49.09 | 4.51 | 2.9 | . | . |
| 1052 | 21.36 | 3.32 | 1.29 | . | . | . | . | . | . | . | . | . |
| 919 | 20.53 | 3.26 | 1.13 | . | . | . | . | . | . | . | . | . |
| 893 | 21.52 | 2.64 | 1.37 | 408 | 19.0 | 1.53 | 92.00 | 47.01 | 4.45 | 3.1 | . | . |
| 1053 | 21.95 | 3.25 | 1.00 | . | . | . | . | . | . | . | . | . |
| 1009 | 21.07 | 2.88 | 1.10 | . | . | . | . | . | . | . | . | . |
| 578 | 21.79 | 3.44 | 1.08 | 437 | 28.8 | 1.74 | 84.25 | 50.15 | 4.48 | 2.8 | . | . |
| 773 | 20.93 | 3.46 | 0.71 | 486 | 31.8 | 1.80 | 81.50 | 46.46 | 3.71 | 2.5 | . | . |
| . | 0.81 | 0.17 | 0.11 | 31.0 | 5.9 | 0.12 | 4.83 | 1.75 | 0.33 | 0.3 | . | . |

1997 NATIONAL COTTON VARIETY TEST
 1997 DELTA REGION TEST RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| SEED | BOLL SIZE | | VARIETY | UNI | LINT | | INDEX |
|-----------------|-----------------|-----------------|---------|------|-----------------|---------|---------------|
| | (G/BOLL) | 2.5 | | | PERCENT | VARIETY | |
| VARIETY | S.L. | VARIETY | | | | | |
| PAYMASTER HS 26 | 6.11 | STV 474 | | 42.0 | PAYMASTER HS 26 | 11.3 | PM 1330 BG/RR |
| RR 1.13 | PM 1215 RR | 84. | | | | | |
| STV LA 887 | 5.70 | SUREGROW 501 | | 41.7 | STV LA 887 | 11.1 | SG |
| 125 | 1.13 | SUREGROW 501 | 84. | | | | |
| ACALA MAXXA | 5.31 | ACALA MAXXA | | 41.2 | ACALA MAXXA | 10.5 | NU 33 |
| B 1.13 | PAYMASTER HS 26 | 84. | | | | | |
| SG 125 | 5.12 | STV LA 887 | | 40.8 | PM 1215 RR | 10.4 | DP |
| 5409 | 1.12 | ACALA MAXXA | 84. | | | | |
| PM 1215 RR | 5.07 | SG 125 | | 40.8 | PM 1330 BG/RR | 9.8 | STV LA |
| 887 | 1.10 | SG 125 | 84. | | | | |
| PM 1330 BG/RR | 4.97 | DP 5409 | | 39.7 | SG 125 | 9.3 | ACALA |
| MAXXA 1.10 | PM 1330 BG/RR | 83. | | | | | |
| STV 474 | 4.76 | PM 1215 RR | | 38.9 | DP 5409 | 9.2 | PM 1215 |
| RR 1.10 | STV 474 | 83. | | | | | |
| SUREGROW 501 | 4.76 | NU 33 B | | 38.8 | STV 474 | 8.8 | SUREGROW |
| 501 1.10 | NU 33 B | 83. | | | | | |
| DP 5409 | 4.50 | PM 1330 BG/RR | | 38.2 | SUREGROW 501 | 8.7 | PAYMASTER |
| HS 26 1.09 | DP 5409 | 82. | | | | | |
| NU 33 B | 4.46 | PAYMASTER HS 26 | | 36.7 | NU 33 B | 8.3 | STV |
| 474 | 1.05 | STV LA 887 | 82. | | | | |
| LSD | 0.36 | LSD | | 1.3 | LSD | 0.6 | |
| LSD | 0.03 | LSD | 0. | | | | |

| VARIETY | STRN | | VARIETY | E | VARIETY | MIC |
|---------|---------|----|---------|---|---------|-----|
| | (g/tex) | RD | | | | |
| VARIETY | | | | | | |
| VARIETY | | | | | | |

| | | | | | | |
|-------------------------|------|-----------------|------|-----------------|------|--------------|
| ACALA MAXXA 887 | 33.3 | SUREGROW 501 | 10.0 | STV LA 887 | 5.10 | STV LA |
| 74.0 | | | | | | |
| SUREGROW 501 B | 32.3 | PM 1215 RR | 10.0 | SUREGROW 501 | 5.00 | NU 33 |
| 73.5 | | | | | | |
| PAYMASTER HS 26 5409 | 30.3 | PAYMASTER HS 26 | 9.9 | STV 474 | 5.00 | DP |
| 73.2 | | | | | | |
| PM 1215 RR RR | 29.3 | SG 125 | 9.8 | PM 1215 RR | 4.85 | PM 1215 |
| 72.3 | | | | | | |
| STV LA 887 RR | 29.0 | STV LA 887 | 9.7 | PM 1330 BG/RR | 4.73 | PM 1330 BG/ |
| 72.0 | | | | | | |
| STV 474 125 | 28.8 | NU 33 B | 9.7 | NU 33 B | 4.68 | SG |
| 71.8 | | | | | | |
| NU 33 B 26 | 28.5 | STV 474 | 9.6 | SG 125 | 4.67 | PAYMASTER HS |
| 71.1 | | | | | | |
| PM 1330 BG/RR MAXXA | 27.8 | DP 5409 | 9.5 | DP 5409 | 4.67 | ACALA |
| 70.3 | | | | | | |
| DP 5409 501 | 27.7 | ACALA MAXXA | 9.4 | PAYMASTER HS 26 | 4.55 | SUREGROW |
| 69.8 | | | | | | |
| SG 125 474 | 26.7 | PM 1330 BG/RR | 9.3 | ACALA MAXXA | 3.75 | STV |
| 69.8 | | | | | | |
| LSD | 1.4 | LSD | 0.3 | LSD | 0.31 | |
| LSD | 1.6 | | | | | |

HUNTERS

| MICRO VARIETY | b READING mn/tex | VARIETY | NAIRE | T1 VARIETY | E1 | |
|-------------------------|---------------------|-----------------|-------|-----------------|------|-------------|
| STV LA 887 MAXXA | 9.4 | STV 474 | 5.13 | SG 125 | 8.02 | ACALA |
| 233 | | PM 1215 RR | | | | |
| SUREGROW 501 HS 26 | 8.0 | STV LA 887 | 5.10 | PAYMASTER HS 26 | 7.84 | PAYMASTER |
| 223 | | SUREGROW 501 | | | | |
| SG 125 501 | 7.9 | SUREGROW 501 | 5.08 | NU 33 B | 7.83 | SUREGROW |
| 223 | | PM 1330 BG/RR | | | | |
| STV 474 RR | 7.8 | NU 33 B | 4.93 | DP 5409 | 7.63 | PM 1330 BG/ |
| 202 | | SG 125 | | | | |
| DP 5409 887 | 7.7 | PM 1215 RR | 4.90 | SUREGROW 501 | 7.45 | STV LA |
| 197 | | STV 474 | | | | |
| PM 1330 BG/RR B | 7.6 | PM 1330 BG/RR | 4.83 | PM 1330 BG/RR | 7.37 | NU 33 |
| 197 | | STV LA 887 | | | | |
| NU 33 B RR | 7.4 | SG 125 | 4.82 | ACALA MAXXA | 7.20 | PM 1215 |
| 195 | | PAYMASTER HS 26 | | | | |
| ACALA MAXXA 474 | 7.2 | DP 5409 | 4.78 | PM 1215 RR | 7.13 | STV |
| 192 | | ACALA MAXXA | | | | |
| PAYMASTER HS 26 5409 | 7.2 | PAYMASTER HS 26 | 4.63 | STV LA 887 | 7.00 | DP |
| 189 | | NU 33 B | | | | |
| PM 1215 RR 125 | 7.2 | ACALA MAXXA | 4.00 | STV 474 | 6.85 | SG |
| 189 | | DP 5409 | | | | |
| LSD | 0.4 | LSD | 0.29 | LSD | 0.44 | |
| LSD | 2.5 | LSD | | | | |

YARN
TENACITY

| VARIETY | S.L. | VARIETY | VARIETY | A |
|---------------|------|-------------|---------|-----------------------|
| VARIETY | D | | | |
| PM 1330 BG/RR | 1.14 | ACALA MAXXA | 143 | ACALA MAXXA 486 ACALA |

| | | | | | | | |
|-----------------|------|-----------------|-----|-----------------|------|--------------|--|
| MAXXA | 31.8 | | | | | | |
| DP 5409 | 1.14 | SUREGROW 501 | 142 | PAYMASTER HS 26 | 437 | PAYMASTER HS | |
| 26 | 28.8 | | | | | | |
| SG 125 | 1.14 | PAYMASTER HS 26 | 133 | SG 125 | 422 | SG | |
| 125 | 24.7 | | | | | | |
| STV LA 887 | 1.13 | STV LA 887 | 132 | STV LA 887 | 408 | STV LA | |
| 887 | 19.0 | | | | | | |
| PM 1215 RR | 1.13 | PM 1330 BG/RR | 131 | SUREGROW 501 | . | SUREGROW | |
| 501 | . | | | | | | |
| ACALA MAXXA | 1.12 | PM 1215 RR | 128 | PM 1330 BG/RR | . | PM 1330 BG/ | |
| RR | . | | | | | | |
| NU 33 B | 1.12 | SG 125 | 125 | PM 1215 RR | . | PM 1215 | |
| RR | . | | | | | | |
| PAYMASTER HS 26 | 1.11 | NU 33 B | 124 | NU 33 B | . | NU 33 | |
| B | . | | | | | | |
| STV 474 | 1.11 | STV 474 | 123 | STV 474 | . | STV | |
| 474 | . | | | | | | |
| SUREGROW 501 | 1.11 | DP 5409 | 119 | DP 5409 | . | DP | |
| 5409 | . | | | | | | |
| LSD | 0.02 | LSD | 6 | LSD | 31.0 | | |
| LSD | 5.9 | | | | | | |

| VARIETY | I | VARIETY | M | VARIETY | p | |
|-----------------|------|-----------------|-------|-----------------|-------|-------------|
| VARIETY | w | VARIETY | | | | |
| ACALA MAXXA | 1.80 | STV LA 887 | 92.00 | PAYMASTER HS 26 | 50.15 | SG |
| 125 | 4.51 | STV LA 887 | 3. | | | |
| PAYMASTER HS 26 | 1.74 | SG 125 | 87.67 | SG 125 | 49.09 | PAYMASTER |
| HS 26 | 4.48 | SG 125 | 2. | | | |
| SG 125 | 1.65 | PAYMASTER HS 26 | 84.25 | STV LA 887 | 47.01 | STV LA |
| 887 | 4.45 | PAYMASTER HS 26 | 2. | | | |
| STV LA 887 | 1.53 | ACALA MAXXA | 81.50 | ACALA MAXXA | 46.46 | ACALA |
| MAXXA | 3.71 | ACALA MAXXA | 2. | | | |
| SUREGROW 501 | . | SUREGROW 501 | . | SUREGROW 501 | . | SUREGROW |
| 501 | . | SUREGROW 501 | . | | | |
| PM 1330 BG/RR | . | PM 1330 BG/RR | . | PM 1330 BG/RR | . | PM 1330 BG/ |
| RR | . | PM 1330 BG/RR | . | | | |
| PM 1215 RR | . | PM 1215 RR | . | PM 1215 RR | . | PM 1215 |
| RR | . | PM 1215 RR | . | | | |
| NU 33 B | . | NU 33 B | . | NU 33 B | . | NU 33 |
| B | . | NU 33 B | . | | | |
| STV 474 | . | STV 474 | . | STV 474 | . | STV |
| 474 | . | STV 474 | . | | | |
| DP 5409 | . | DP 5409 | . | DP 5409 | . | DP |
| 5409 | . | DP 5409 | . | | | |
| LSD | 0.12 | LSD | 4.83 | LSD | 1.75 | |
| LSD | 0.33 | LSD | 0. | | | |

SEED YIELD

| NITR | FREE | | | | |
|------------|----------|---------------|-------|-------------|------|
| VARIETY | (LB/AC) | VARIETY | OIL | VARIETY | OGEN |
| VARIETY | GOSSYPOL | | | | |
| PM 1215 RR | 1922 | PM 1330 BG/RR | 21.95 | ACALA MAXXA | 3.46 |
| 474 | 1.45 | | | | |

| | | | | | | |
|-----------------|------|-----------------|-------|-----------------|------|-----------|
| SG 125 | 1833 | PAYMASTER HS 26 | 21.79 | PAYMASTER HS 26 | 3.44 | STV LA |
| 887 | 1.37 | | | | | |
| SUREGROW 501 | 1824 | STV LA 887 | 21.52 | PM 1215 RR | 3.32 | PM 1215 |
| RR | 1.29 | | | | | |
| STV 474 | 1822 | PM 1215 RR | 21.36 | DP 5409 | 3.26 | SUREGROW |
| 501 | 1.16 | | | | | |
| PM 1330 BG/RR | 1798 | NU 33 B | 21.07 | PM 1330 BG/RR | 3.25 | DP |
| 5409 | 1.13 | | | | | |
| DP 5409 | 1786 | STV 474 | 21.04 | SUREGROW 501 | 3.22 | NU 33 |
| B | 1.10 | | | | | |
| STV LA 887 | 1644 | ACALA MAXXA | 20.93 | SG 125 | 3.09 | SG |
| 125 | 1.08 | | | | | |
| NU 33 B | 1602 | DP 5409 | 20.53 | STV 474 | 3.06 | PAYMASTER |
| HS 26 | 1.08 | | | | | |
| PAYMASTER HS 26 | 1598 | SUREGROW 501 | 20.18 | NU 33 B | 2.88 | PM 1330 |
| BG/RR | 1.00 | | | | | |
| ACALA MAXXA | 971 | SG 125 | 19.47 | STV LA 887 | 2.64 | ACALA |
| MAXXA | 0.71 | | | | | |
| LSD | 191 | LSD | 0.81 | LSD | 0.17 | |
| LSD | 0.11 | | | | | |

1997 NATIONAL COTTON VARIETY TEST
1997 DELTA REGION TEST RESULTS
SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| STONEVILLE, MS | 1315 | . | 39.5 | 8.1 | 131 | 1.13 | 0.57 | 213 |
| SAINT JOSEPH, LA | 1279 | 4.68 | 40.4 | 9.1 | 128 | 1.11 | 0.56 | 197 |
| CLARKEDALE, AR | 1068 | 6.85 | 35.0 | 12.5 | 135 | 1.13 | 0.57 | 227 |
| PORTAGEVILLE, MO | 881 | 5.40 | 39.7 | 11.6 | 127 | 1.17 | 0.57 | 198 |

| LOCATION | E1 | MICRO NAIRE | 2.5 S.L. | STRN UNIF | (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|------------------|------|----------------|-------------|--------------|---------|------|------|----------------------|------|-----------------------|
| STONEVILLE, MS | 7.93 | 4.67 | 1.11 | 84.3 | 30.2 | 9.9 | 66.4 | 7.5 | 4.64 | 2017 |
| SAINT JOSEPH, LA | 6.94 | 4.93 | 1.08 | 83.1 | 29.0 | 9.4 | 75.8 | 7.7 | 4.73 | 1717 |
| CLARKEDALE, AR | 7.50 | 4.60 | 1.10 | 84.8 | 31.0 | 10.0 | 73.0 | 7.4 | 4.60 | 1685 |
| PORTAGEVILLE, MO | 8.01 | 4.78 | 1.18 | 84.2 | 26.9 | 9.7 | 73.0 | 7.6 | 4.60 | 1334 |

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| STONEVILLE, MS | 20.06 | 3.62 | 0.82 | 467 | 30.5 | 1.77 | 82.83 | 47.76 | 4.03 | 2.6 |
| SAINT JOSEPH, LA | 22.05 | 2.75 | 1.36 | 427 | 24.4 | 1.65 | 87.63 | 48.35 | 4.38 | 2.9 |
| CLARKEDALE, AR | 21.84 | 3.48 | 1.11 | 440 | 30.0 | 1.76 | 83.00 | 50.34 | 4.42 | 2.7 |
| PORTAGEVILLE, MO | 20.20 | 3.38 | 1.15 | 421 | 26.3 | 1.69 | 86.50 | 50.40 | 4.64 | 2.9 |

1997 NATIONAL COTTON VARIETY TEST
 1997 DELTA REGION TEST RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=SAINT JOSEPH, LA

| 50 VCODE L. | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | S. |
|-------------------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|----|
| 971 | STV 474 | 1496 | 4.47 | 42.0 | 8.4 | 125 | 1.10 | |
| 0.57 | | | | | | | | |
| 915 | SUREGROW 501 | 1413 | 4.45 | 40.7 | 8.7 | 139 | 1.09 | |
| 0.56 | | | | | | | | |
| 953 | SG 125 | 1398 | 4.70 | 41.8 | 8.7 | 126 | 1.11 | |
| 0.56 | | | | | | | | |
| 893 | STV LA 887 | 1370 | 5.19 | 41.5 | 9.6 | 132 | 1.13 | |
| 0.57 | | | | | | | | |
| 919 | DP 5409 | 1316 | 4.16 | 40.0 | 8.7 | 111 | 1.09 | |
| 0.54 | | | | | | | | |
| 1052 | PM 1215 RR | 1294 | 4.86 | 40.5 | 10.1 | 130 | 1.11 | |
| 0.59 | | | | | | | | |
| 1009 | NU 33 B | 1260 | 4.09 | 40.3 | 7.3 | 118 | 1.09 | |
| 0.55 | | | | | | | | |
| 1053 | PM 1330 BG/RR | 1230 | 4.70 | 39.2 | 8.8 | 128 | 1.11 | |
| 0.56 | | | | | | | | |
| 578 | PAYMASTER HS 26 | 1164 | 5.23 | 38.7 | 10.0 | 128 | 1.10 | |
| 0.56 | | | | | | | | |
| 773 | ACALA MAXXA | 851 | 4.97 | 39.7 | 10.4 | 142 | 1.13 | |
| 0.56 | | | | | | | | |
| . | LSD | 1127 | . | . | . | . | . | . |

| YIELD VCODE AC) | T1 mN/tex | MICRO E1 | 2.5 NAIRE | 2.5 S.L. | STRN UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | SEED MIC | SEED (LB/ |
|-----------------------|--------------|-------------|--------------|-------------|--------------|-----------------|------|------|----------------------|-------------|--------------|
| 971 | 186 | 6.30 | 5.30 | 1.00 | 82.8 | 29.0 | 9.3 | 74.0 | 7.8 | 5.00 | 1924 |
| 915 | 215 | 6.50 | 5.20 | 1.10 | 83.5 | 31.0 | 10.0 | 73.0 | 8.3 | 5.10 | 1874 |
| 953 | 187 | 7.00 | 5.10 | 1.10 | 83.1 | 28.0 | 9.5 | 75.0 | 7.9 | 4.90 | 1855 |
| 893 | 197 | 7.00 | 5.10 | 1.10 | 82.4 | 29.0 | 9.7 | 74.0 | 9.4 | 5.10 | 1707 |
| 919 | 177 | 6.50 | 4.80 | 1.00 | 81.9 | 27.0 | 8.9 | 78.0 | 7.5 | 4.60 | 1805 |
| 1052 | 191 | 7.00 | 4.90 | 1.10 | 85.1 | 29.0 | 9.9 | 77.0 | 6.9 | 4.80 | 1916 |
| 1009 | 180 | 7.50 | 5.20 | 1.10 | 82.4 | 28.0 | 9.4 | 78.0 | 7.3 | 4.80 | 1631 |
| 1053 | 202 | 7.00 | 4.90 | 1.10 | 82.0 | 28.0 | 8.9 | 76.0 | 7.8 | 4.80 | 1790 |
| 578 | 210 | 7.55 | 4.65 | 1.05 | 83.4 | 29.0 | 9.8 | 76.0 | 7.0 | 4.50 | 1713 |
| 773 | 225 | 7.00 | 4.10 | 1.10 | 84.4 | 32.0 | 8.9 | 77.0 | 7.1 | 3.70 | 957 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----|--------------|------------------|---|---|---|---|---|---|---|
|-------|-----|--------------|------------------|---|---|---|---|---|---|---|

| | | | | | | | | | | |
|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 971 | 22.10 | 2.52 | 1.80 | . | . | . | . | . | . | . |
| 915 | 20.69 | 2.88 | 1.42 | . | . | . | . | . | . | . |
| 953 | 20.91 | 2.61 | 1.31 | 411 | 22.5 | 1.61 | 89.00 | 49.07 | 4.61 | 3.0 |
| 893 | 21.52 | 2.64 | 1.37 | 408 | 19.0 | 1.53 | 92.00 | 47.01 | 4.45 | 3.1 |
| 919 | 21.77 | 2.77 | 1.43 | . | . | . | . | . | . | . |
| 1052 | 22.63 | 2.80 | 1.52 | . | . | . | . | . | . | . |
| 1009 | 21.78 | 2.51 | 1.35 | . | . | . | . | . | . | . |
| 1053 | 23.18 | 2.70 | 1.17 | . | . | . | . | . | . | . |
| 578 | 23.09 | 3.06 | 1.34 | 428 | 27.5 | 1.71 | 85.50 | 50.17 | 4.53 | 2.8 |
| 773 | 22.84 | 3.04 | 0.89 | 461 | 28.5 | 1.73 | 84.00 | 47.14 | 3.95 | 2.6 |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=STONEVILLE, MS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 971 | STV 474 | 1580 | . | 42.1 | 7.9 | 120 | 1.12 |
| 915 | SUREGROW 501 | 1499 | . | 41.8 | 7.5 | 145 | 1.13 |
| 1052 | PM 1215 RR | 1429 | . | 38.6 | 8.7 | 126 | 1.14 |
| 919 | DP 5409 | 1426 | . | 39.2 | 7.4 | 125 | 1.15 |
| 953 | SG 125 | 1403 | . | 39.6 | 7.9 | 123 | 1.11 |
| 1053 | PM 1330 BG/RR | 1312 | . | 37.6 | 8.6 | 132 | 1.15 |
| 1009 | NU 33 B | 1271 | . | 37.7 | 7.2 | 129 | 1.15 |
| 578 | PAYMASTER HS 26 | 1100 | . | 36.9 | 9.1 | 136 | 1.10 |
| 773 | ACALA MAXXA | 813 | . | 42.2 | 8.3 | 144 | 1.11 |
| . | LSD | 185 | . | . | 0.7 | 4 | 0.05 |

| VCODE | 50 S.L. | T1 mN/tex | MICRO E1 | 2.5 S.L. | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|-------------|-------------|----------------|-------------|------|-----------------|------|-----|----------------------|-----|
| 971 | 0.57 | 197 | 7.40 | 4.95 | 1.10 | 84.3 | 28.5 | 9.8 | 65.5 | 7.9 | 5.00 | |
| 915 | 0.59 | 231 | 8.40 | 4.95 | 1.10 | 85.3 | 33.5 | 10.0 | 66.5 | 7.7 | 4.90 | |
| 1052 | 0.57 | 199 | 7.25 | 4.90 | 1.10 | 84.2 | 29.5 | 10.0 | 67.5 | 7.4 | 4.90 | |
| 919 | 0.58 | 208 | 8.40 | 4.85 | 1.15 | 83.4 | 30.0 | 10.0 | 67.5 | 7.9 | 4.90 | |
| 953 | 0.57 | 191 | 8.55 | 4.65 | 1.10 | 84.6 | 26.0 | 9.8 | 67.5 | 7.7 | 4.60 | |
| 1053 | 0.59 | 207 | 7.55 | 4.80 | 1.10 | 84.7 | 29.0 | 9.7 | 67.0 | 7.4 | 4.90 | |
| 1009 | 0.57 | 214 | 8.15 | 4.65 | 1.15 | 84.3 | 29.0 | 10.0 | 69.0 | 7.5 | 4.55 | |
| 578 | 0.58 | 231 | 8.30 | 4.35 | 1.10 | 84.4 | 32.0 | 9.9 | 63.5 | 7.2 | 4.20 | |
| 773 | 0.56 | 242 | 7.40 | 3.90 | 1.10 | 84.1 | 34.5 | 9.8 | 63.5 | 7.3 | 3.80 | |
| . | 0.03 | . | 1.59 | 1.03 | 0.10 | 3.5 | 2.7 | 0.4 | 7.4 | 1.3 | 0.87 | |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 971 | 2174 | 19.98 | 3.59 | 1.10 | . | . | . | . | . | . | . |
| 915 | 2087 | 19.68 | 3.56 | 0.90 | . | . | . | . | . | . | . |
| 1052 | 2273 | 20.10 | 3.85 | 1.06 | . | . | . | . | . | . | . |
| 919 | 2212 | 20.03 | 3.68 | 0.78 | . | . | . | . | . | . | . |
| 953 | 2141 | 19.03 | 3.30 | 0.72 | 421 | 24.5 | 1.64 | 88.00 | 48.87 | 4.51 | 3.0 |
| 1053 | 2177 | 21.71 | 3.67 | 0.80 | . | . | . | . | . | . | . |
| 1009 | 2101 | 20.36 | 3.25 | 0.85 | . | . | . | . | . | . | . |
| 578 | 1881 | 20.65 | 3.79 | 0.69 | 471 | 32.0 | 1.80 | 81.50 | 48.64 | 4.11 | 2.6 |
| 773 | 1113 | 19.02 | 3.89 | 0.53 | 511 | 35.0 | 1.86 | 79.00 | 45.78 | 3.48 | 2.3 |
| . | 0 | 1.40 | 0.34 | 0.20 | . | . | . | . | . | . | . |

LOCATION=CLARKEDALE, AR

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 971 | STV 474 | 1311 | . | . | . | . | . |
| 919 | DP 5409 | 1171 | . | . | . | . | . |
| 953 | SG 125 | 1152 | . | . | . | . | . |
| 915 | SUREGROW 501 | 1150 | . | . | . | . | . |
| 1053 | PM 1330 BG/RR | 1149 | . | . | . | . | . |
| 1009 | NU 33 B | 1054 | . | . | . | . | . |
| 893 | STV LA 887 | 1014 | . | . | . | . | . |
| 578 | PAYMASTER HS 26 | 865 | 6.85 | 35.0 | 12.5 | 135 | 1.13 |
| 773 | ACALA MAXXA | 746 | . | . | . | . | . |
| . | LSD | 94 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 915 | . | . | . | . | . | . | . | . | . | . | . |
| 1053 | . | . | . | . | . | . | . | . | . | . | . |
| 1009 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | 0.57 | 227 | 7.50 | 4.60 | 1.10 | 84.8 | 31.0 | 10.0 | 73.0 | 7.4 | 4.60 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 915 | . | . | . | . | . | . | . | . | . | . | . |
| 1053 | . | . | . | . | . | . | . | . | . | . | . |
| 1009 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | 1685 | 21.84 | 3.48 | 1.11 | 440 | 30.0 | 1.76 | 83.00 | 50.34 | 4.42 | 2.7 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=PORTAGEVILLE, MO

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|--------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 915 | SUREGROW 501 | 1117 | 5.07 | 42.6 | 9.9 | . | . |
| 893 | STV LA 887 | 1056 | 6.21 | 40.1 | 12.5 | . | . |

| | | | | | | | |
|------|-----------------|------|------|------|------|-----|------|
| 953 | SG 125 | 1039 | 5.54 | 40.9 | 11.2 | 125 | 1.19 |
| 971 | STV 474 | 989 | 5.05 | 42.0 | 10.2 | . | . |
| 1052 | PM 1215 RR | 947 | 5.28 | 37.6 | 12.4 | . | . |
| 919 | DP 5409 | 885 | 4.84 | 39.8 | 11.3 | 120 | 1.19 |
| 1053 | PM 1330 BG/RR | 870 | 5.25 | 37.9 | 11.8 | 132 | 1.17 |
| 1009 | NU 33 B | 667 | 4.84 | 38.3 | 10.3 | . | . |
| 578 | PAYMASTER HS 26 | 633 | 6.26 | 36.2 | 13.8 | 132 | 1.13 |
| 773 | ACALA MAXXA | 606 | 5.66 | 41.8 | 12.9 | . | . |
| . | LSD | 196 | 0.62 | 0.9 | 1.9 | 8 | . |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC |
|-------|------|--------|------|-------|------|------|---------|------|-----------|---------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | b READING | | |
| 915 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | 0.59 | 187 | 8.50 | 4.70 | 1.20 | 84.3 | 26.0 | 10.0 | 73.0 | 8.0 | 4.50 |
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 1052 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | 0.56 | 182 | 8.00 | 4.70 | 1.20 | 83.3 | 26.0 | 9.6 | 74.0 | 7.7 | 4.50 |
| 1053 | 0.57 | 197 | 7.55 | 4.80 | 1.20 | 84.2 | 26.5 | 9.3 | 73.0 | 7.6 | 4.50 |
| 1009 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | 0.57 | 226 | 8.00 | 4.90 | 1.10 | 84.9 | 29.0 | 10.0 | 72.0 | 7.1 | 4.90 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | 0.02 | . | 1.12 | 0.34 | 0.08 | 1.1 | 1.8 | 0.3 | 2.1 | 0.5 | 0.28 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 915 | 1509 | . | . | . | . | . | . | . | . | . | . |
| 893 | 1580 | . | . | . | . | . | . | . | . | . | . |
| 953 | 1504 | 18.46 | 3.36 | 1.22 | 433 | 27.0 | 1.70 | 86.00 | 49.33 | 4.40 | 2.8 |
| 971 | 1368 | . | . | . | . | . | . | . | . | . | . |
| 1052 | 1578 | . | . | . | . | . | . | . | . | . | . |
| 919 | 1341 | 19.80 | 3.32 | 1.18 | . | . | . | . | . | . | . |
| 1053 | 1426 | 20.95 | 3.38 | 1.03 | . | . | . | . | . | . | . |
| 1009 | 1073 | . | . | . | . | . | . | . | . | . | . |
| 578 | 1116 | 21.59 | 3.44 | 1.17 | 408 | 25.5 | 1.67 | 87.00 | 51.46 | 4.88 | 3.0 |
| 773 | 843 | . | . | . | . | . | . | . | . | . | . |
| . | 0 | 0.85 | 0.34 | 0.10 | 48.9 | 17.4 | 0.35 | 13.27 | 6.86 | 0.65 | 0.4 |

[RETURN TO 1997 NCVT COVER PAGE](#)



***Thank you for your interest in the ongoing work of the
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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 CENTRAL REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 CENTRAL REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 971 | STV 474 | 1025 | 4.76 | 42.7 | 9.8 | 126 | 1.11 | 0.56 |
| 1015 | H 1560 (HARTZ) | 989 | 5.50 | 39.9 | 10.6 | 139 | 1.17 | 0.59 |
| 919 | DP 5409 | 975 | 4.69 | 40.1 | 8.5 | 119 | 1.15 | 0.55 |
| 953 | SG 125 | 944 | 5.18 | 40.7 | 9.0 | 126 | 1.15 | 0.57 |
| 689 | DELTAPINE 50 | 866 | 5.20 | 36.0 | 9.6 | 115 | 1.13 | 0.56 |
| 893 | STV LA 887 | 826 | 5.91 | 41.0 | 9.7 | 146 | 1.13 | 0.57 |
| 578 | PAYMASTER HS 26 | 739 | 5.99 | 36.4 | 10.7 | 131 | 1.10 | 0.56 |
| 579 | DES 56 | 579 | 6.61 | 35.3 | 11.2 | 125 | 1.08 | 0.54 |
| 773 | ACALA MAXXA | 569 | 5.85 | 42.6 | 10.5 | 165 | 1.14 | 0.57 |
| . | LSD | 273 | 0.76 | 1.7 | 0.9 | 12 | 0.04 | 0.02 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 971 | 203 | 8.25 | 5.35 | 1.10 | 84.2 | 29.0 | 9.7 | 66.0 | 8.0 | 5.20 | 1725 |
| 1015 | 217 | 8.40 | 5.10 | 1.15 | 84.3 | 31.0 | 9.9 | 68.0 | 7.6 | 4.90 | 1896 |
| 919 | 201 | 9.00 | 5.00 | 1.10 | 83.4 | 29.5 | 9.7 | 70.0 | 6.7 | 4.85 | 1261 |
| 953 | 204 | 8.75 | 5.05 | 1.10 | 84.1 | 28.0 | 9.7 | 70.5 | 7.6 | 4.95 | 1187 |
| 689 | 192 | 7.40 | 5.23 | 1.10 | 83.8 | 26.0 | 9.4 | 67.0 | 6.3 | 5.23 | 1469 |
| 893 | 230 | 8.75 | 4.90 | 1.15 | 84.7 | 32.0 | 10.0 | 70.5 | 7.6 | 4.80 | 1130 |
| 578 | 232 | 8.15 | 4.95 | 1.05 | 84.0 | 32.0 | 10.0 | 67.5 | 7.0 | 4.95 | 1115 |
| 579 | 232 | 7.50 | 5.00 | 1.10 | 83.0 | 31.0 | 10.0 | 63.0 | 6.5 | 4.90 | 1061 |
| 773 | 260 | 6.50 | 4.35 | 1.15 | 85.8 | 34.0 | 9.3 | 71.0 | 7.5 | 4.20 | 772 |
| . | . | 1.52 | 0.51 | 0.08 | 1.1 | 2.4 | 0.3 | 3.1 | 0.8 | 0.41 | 445 |

| VCODE | OIL | NITROGEN | FREE | | | | | | | |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | A | D | I | M | p | w | t |
| 971 | 18.97 | 3.74 | 1.03 | . | . | . | . | . | . | . |
| 1015 | 19.07 | 3.63 | 0.98 | . | . | . | . | . | . | . |
| 919 | 19.00 | 3.90 | 0.64 | . | . | . | . | . | . | . |
| 953 | 18.14 | 3.89 | 0.62 | 399 | 20.5 | 1.56 | 91.00 | 49.30 | 4.79 | 3.2 |
| 689 | 19.20 | 3.76 | 0.70 | . | . | . | . | . | . | . |
| 893 | 18.77 | 3.76 | 0.72 | 408 | 21.3 | 1.58 | 90.50 | 48.67 | 4.62 | 3.1 |
| 578 | 19.23 | 3.79 | 0.68 | 413 | 26.0 | 1.68 | 86.00 | 51.12 | 4.79 | 3.0 |
| 579 | 20.02 | 3.47 | 0.70 | 411 | 18.5 | 1.52 | 93.00 | 46.36 | 4.36 | 3.1 |
| 773 | 19.49 | 4.18 | 0.54 | 460 | 30.8 | 1.78 | 82.50 | 48.58 | 4.09 | 2.7 |
| . | 1.61 | 0.25 | 0.17 | 57.4 | 17.2 | 0.36 | 13.95 | 4.89 | 0.44 | 0.6 |

1997 NATIONAL COTTON VARIETY TEST
 1997 CENTRAL REGION RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| SEED VARIETY VARIETY | BOLL SIZE 2.5 | | LINT | | | | |
|----------------------------|------------------|--------------|-----------------|---------|-----------------|------|-----------|
| | (G/BOLL) | VARIETY | PERCENT | VARIETY | INDEX | | |
| | S.L. | | | | | | |
| DES 56 (HARTZ) | 1.15 | 6.61 | STV 474 | 42.7 | DES 56 | 11.2 | H 1560 |
| PAYMASTER HS 26 MAXXA | 1.15 | 5.99 | ACALA MAXXA | 42.6 | PAYMASTER HS 26 | 10.7 | ACALA |
| STV LA 887 887 | 1.15 | 5.91 | STV LA 887 | 41.0 | H 1560 (HARTZ) | 10.6 | STV LA |
| ACALA MAXXA 56 | 1.10 | 5.85 | SG 125 | 40.7 | ACALA MAXXA | 10.5 | DES |
| H 1560 (HARTZ) 474 | 1.10 | 5.50 | DP 5409 | 40.1 | STV 474 | 9.8 | STV |
| DELTAPINE 50 50 | 1.10 | 5.20 | H 1560 (HARTZ) | 39.9 | STV LA 887 | 9.7 | DELTAPINE |
| SG 125 125 | 1.10 | 5.18 | PAYMASTER HS 26 | 36.4 | DELTAPINE 50 | 9.6 | SG |
| STV 474 5409 | 1.10 | 4.76 | DELTAPINE 50 | 36.0 | SG 125 | 9.0 | DP |
| DP 5409 HS 26 | 1.05 | 4.69 | DES 56 | 35.3 | DP 5409 | 8.5 | PAYMASTER |
| LSD LSD | | 0.76 0.08 | LSD | 1.7 | LSD | 0.9 | |

| VARIETY VARIETY | UNIF MIC | VARIETY VARIETY | STRN | | E | | |
|--------------------|-------------|--------------------|------------|---------|-----------------|------|-----------|
| | | | (g/tex) | VARIETY | | | |
| | | | RD | | | | |
| ACALA MAXXA 50 | 5.23 | ACALA MAXXA | 71.0 | 34.0 | PAYMASTER HS 26 | 10.0 | DELTAPINE |
| STV LA 887 | | 84.7 | STV LA 887 | 32.0 | DES 56 | 10.0 | STV |

| | | | | | | | |
|-----------------|------|-----------------|------|----------------|------|--------------|--|
| 474 | 5.20 | SG 125 | 70.5 | | | | |
| H 1560 (HARTZ) | 84.3 | PAYMASTER HS 26 | 32.0 | STV LA 887 | 10.0 | PAYMASTER HS | |
| 26 | 4.95 | STV LA 887 | 70.5 | | | | |
| STV 474 | 84.2 | H 1560 (HARTZ) | 31.0 | H 1560 (HARTZ) | 9.9 | SG | |
| 125 | 4.95 | DP 5409 | 70.0 | | | | |
| SG 125 | 84.1 | DES 56 | 31.0 | DP 5409 | 9.7 | DES | |
| 56 | 4.90 | H 1560 (HARTZ) | 68.0 | | | | |
| PAYMASTER HS 26 | 84.0 | DP 5409 | 29.5 | STV 474 | 9.7 | H 1560 | |
| (HARTZ) | 4.90 | PAYMASTER HS 26 | 67.5 | | | | |
| DELTAPINE 50 | 83.8 | STV 474 | 29.0 | SG 125 | 9.7 | DP | |
| 5409 | 4.85 | DELTAPINE 50 | 67.0 | | | | |
| DP 5409 | 83.4 | SG 125 | 28.0 | DELTAPINE 50 | 9.4 | STV LA | |
| 887 | 4.80 | STV 474 | 66.0 | | | | |
| DES 56 | 83.0 | DELTAPINE 50 | 26.0 | ACALA MAXXA | 9.3 | ACALA | |
| MAXXA | 4.20 | DES 56 | 63.0 | | | | |
| LSD | 1.1 | LSD | 2.4 | LSD | 0.3 | | |
| LSD | 0.41 | LSD | 3.1 | | | | |

HUNTERS

| MICRO VARIETY | b READING | VARIETY | NAIRE | T1 VARIETY | E1 | |
|-----------------|-----------|-----------------|-------|-----------------|------|-----------|
| VARIETY | mn/tex | | | | | |
| STV 474 | 8.0 | STV 474 | 5.35 | DP 5409 | 9.00 | ACALA |
| MAXXA | 260 | | | | | |
| H 1560 (HARTZ) | 7.6 | DELTAPINE 50 | 5.23 | SG 125 | 8.75 | PAYMASTER |
| HS 26 | 232 | | | | | |
| STV LA 887 | 7.6 | H 1560 (HARTZ) | 5.10 | STV LA 887 | 8.75 | DES |
| 56 | 232 | | | | | |
| SG 125 | 7.6 | SG 125 | 5.05 | H 1560 (HARTZ) | 8.40 | STV LA |
| 887 | 230 | | | | | |
| ACALA MAXXA | 7.5 | DP 5409 | 5.00 | STV 474 | 8.25 | H 1560 |
| (HARTZ) | 217 | | | | | |
| PAYMASTER HS 26 | 7.0 | DES 56 | 5.00 | PAYMASTER HS 26 | 8.15 | SG |
| 125 | 204 | | | | | |
| DP 5409 | 6.7 | PAYMASTER HS 26 | 4.95 | DES 56 | 7.50 | STV |
| 474 | 203 | | | | | |
| DES 56 | 6.5 | STV LA 887 | 4.90 | DELTAPINE 50 | 7.40 | DP |
| 5409 | 201 | | | | | |
| DELTAPINE 50 | 6.3 | ACALA MAXXA | 4.35 | ACALA MAXXA | 6.50 | DELTAPINE |
| 50 | 192 | | | | | |
| LSD | 0.8 | LSD | 0.51 | LSD | 1.52 | |
| LSD | . | | | | | |

| VARIETY | 50 | VARIETY | 2.5 | VARIETY | YARN | |
|----------------|------|-----------------|------|-----------------|----------|-----------|
| VARIETY | S.L. | VARIETY | S.L. | VARIETY | TENACITY | |
| VARIETY | A | VARIETY | D | VARIETY | | |
| H 1560 (HARTZ) | 0.59 | H 1560 (HARTZ) | 1.17 | ACALA MAXXA | 165 | ACALA |
| MAXXA | 460 | ACALA MAXXA | 30.8 | | | |
| STV LA 887 | 0.57 | SG 125 | 1.15 | STV LA 887 | 146 | PAYMASTER |
| HS 26 | 413 | PAYMASTER HS 26 | 26.0 | | | |
| SG 125 | 0.57 | DP 5409 | 1.15 | H 1560 (HARTZ) | 139 | DES |
| 56 | 411 | STV LA 887 | 21.3 | | | |
| ACALA MAXXA | 0.57 | ACALA MAXXA | 1.14 | PAYMASTER HS 26 | 131 | STV LA |
| 887 | 408 | SG 125 | 20.5 | | | |

| | | | | | | |
|-----------------|--------------|-----------------|------|--------------|-----|-----------|
| PAYMASTER HS 26 | 0.56 | STV LA 887 | 1.13 | SG 125 | 126 | SG |
| 125 | 399 | DES 56 | 18.5 | | | |
| DELTAPINE 50 | 0.56 | DELTAPINE 50 | 1.13 | STV 474 | 126 | H 1560 |
| (HARTZ) | H 1560 | (HARTZ) | | | | |
| STV 474 | 0.56 | STV 474 | 1.11 | DES 56 | 125 | STV |
| 474 | STV 474 | | | | | |
| DP 5409 | 0.55 | PAYMASTER HS 26 | 1.10 | DP 5409 | 119 | DP |
| 5409 | DP 5409 | | | | | |
| DES 56 | 0.54 | DES 56 | 1.08 | DELTAPINE 50 | 115 | DELTAPINE |
| 50 | DELTAPINE 50 | | | | | |
| LSD | 0.02 | LSD | 0.04 | LSD | 12 | |
| LSD | 57.4 | LSD | 17.2 | | | |

| VARIETY | I | VARIETY | M | VARIETY | p | |
|-----------------|----------------|-----------------|-------|-----------------|-------|-----------|
| VARIETY | w | VARIETY | t | | | |
| ACALA MAXXA | 1.78 | DES 56 | 93.00 | PAYMASTER HS 26 | 51.12 | PAYMASTER |
| HS 26 | 4.79 | SG 125 | 3.2 | | | |
| PAYMASTER HS 26 | 1.68 | SG 125 | 91.00 | SG 125 | 49.30 | SG |
| 125 | 4.79 | DES 56 | 3.1 | | | |
| STV LA 887 | 1.58 | STV LA 887 | 90.50 | STV LA 887 | 48.67 | STV LA |
| 887 | 4.62 | STV LA 887 | 3.1 | | | |
| SG 125 | 1.56 | PAYMASTER HS 26 | 86.00 | ACALA MAXXA | 48.58 | DES |
| 56 | 4.36 | PAYMASTER HS 26 | 3.0 | | | |
| DES 56 | 1.52 | ACALA MAXXA | 82.50 | DES 56 | 46.36 | ACALA |
| MAXXA | 4.09 | ACALA MAXXA | 2.7 | | | |
| H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | H 1560 (HARTZ) | . | H 1560 |
| (HARTZ) | H 1560 (HARTZ) | | | | | |
| STV 474 | . | STV 474 | . | STV 474 | . | STV |
| 474 | STV 474 | | | | | |
| DP 5409 | . | DP 5409 | . | DP 5409 | . | DP |
| 5409 | DP 5409 | | | | | |
| DELTAPINE 50 | . | DELTAPINE 50 | . | DELTAPINE 50 | . | DELTAPINE |
| 50 | DELTAPINE 50 | | | | | |
| LSD | 0.36 | LSD | 13.95 | LSD | 4.89 | |
| LSD | 0.44 | LSD | 0.6 | | | |

SEED YIELD

| NITR | FREE | | | | | |
|-----------------|----------|-----------------|-------|-----------------|------|--------|
| VARIETY | (LB/AC) | VARIETY | OIL | VARIETY | OGEN | |
| VARIETY | GOSSYPOL | | | | | |
| H 1560 (HARTZ) | 1896 | DES 56 | 20.02 | ACALA MAXXA | 4.18 | STV |
| 474 | 1.03 | | | | | |
| STV 474 | 1725 | ACALA MAXXA | 19.49 | DP 5409 | 3.90 | H 1560 |
| (HARTZ) | 0.98 | | | | | |
| DELTAPINE 50 | 1469 | PAYMASTER HS 26 | 19.23 | SG 125 | 3.89 | STV LA |
| 887 | 0.72 | | | | | |
| DP 5409 | 1261 | DELTAPINE 50 | 19.20 | PAYMASTER HS 26 | 3.79 | DES |
| 56 | 0.70 | | | | | |
| SG 125 | 1187 | H 1560 (HARTZ) | 19.07 | STV LA 887 | 3.76 | |
| DELTAPINE 50 | 0.70 | | | | | |
| STV LA 887 | 1130 | DP 5409 | 19.00 | DELTAPINE 50 | 3.76 | |
| PAYMASTER HS 26 | 0.68 | | | | | |
| PAYMASTER HS 26 | 1115 | STV 474 | 18.97 | STV 474 | 3.74 | DP |

| | | | | | | | | | |
|-------------|------|------------|-------|----------------|------|-------|--|--|--|
| 5409 | 0.64 | | | | | | | | |
| DES 56 | 1061 | STV LA 887 | 18.77 | H 1560 (HARTZ) | 3.63 | SG | | | |
| 125 | 0.62 | | | | | | | | |
| ACALA MAXXA | 772 | SG 125 | 18.14 | DES 56 | 3.47 | ACALA | | | |
| MAXXA | 0.54 | | | | | | | | |
| LSD | 445 | LSD | 1.61 | LSD | 0.25 | | | | |
| LSD | 0.17 | | | | | | | | |

1997 NATIONAL COTTON VARIETY TEST
 1997 CENTRAL REGION RESULTS
 SUMMARY OF LOCATIONS COMBINING VARIETIES

| HUNTERS | | LINT YIELD | BOLL SIZE | LINT | SEED | 2.5 | STRN | | | | | |
|---------------------|------------|------------|-----------|-------|------|------|---------|-----|------|------|--|--|
| LOCATION | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | S.L. | UNIF | (g/tex) | E | MIC | RD b | | |
| READING | MICRONAIRE | E1 | | | | | | | | | | |
| WESLACO, TX | 1209 | 6.73 | 37.5 | 10.7 | 1.17 | 84.6 | 28.3 | 9.4 | 3.90 | 71.5 | | |
| 8.0 | 4.03 | 7.10 | | | | | | | | | | |
| BOSSIER CITY, LA | 1091 | 5.45 | 39.8 | 10.5 | 1.11 | 84.3 | 30.2 | 9.7 | 4.89 | 69.9 | | |
| 7.3 | 5.00 | 8.28 | | | | | | | | | | |
| COLLEGE STATION, TX | 728 | 6.16 | 36.9 | 10.6 | 1.12 | 84.1 | 30.1 | 9.7 | 4.81 | 62.5 | | |
| 6.4 | 4.94 | 6.69 | | | | | | | | | | |
| BEEVILLE, TX | 442 | 5.31 | 40.1 | | | | | | | | | |
| 8.5 | . | . | . | . | . | . | . | . | . | . | | |

| YARN | | 50 | | 2.5 | | FREE | | | | | | |
|---------------------|----------|------|------|----------|-----|------|------|-------|-------|------|-----|-------|
| LOCATION | TENACITY | S.L. | S.L. | TENACITY | A | D | I | M | p | w | t | OIL |
| NITROGEN | GOSSYPOL | | | | | | | | | | | |
| WESLACO, TX | 21.1 | 0.55 | 1.13 | 128.7 | 473 | 32.8 | 1.81 | 81.13 | 48.24 | 3.96 | 2.6 | 19.34 |
| 3.70 | 0.65 | | | | | | | | | | | |
| BOSSIER CITY, LA | 22.0 | 0.56 | 1.13 | 133.8 | 421 | 25.1 | 1.66 | 87.25 | 49.56 | 4.57 | 3.0 | 19.92 |
| 3.74 | 0.93 | | | | | | | | | | | |
| COLLEGE STATION, TX | 22.6 | 0.56 | 1.12 | 125.5 | 415 | 20.7 | 1.56 | 90.80 | 47.34 | 4.42 | 3.0 | 18.68 |
| 3.73 | 0.63 | | | | | | | | | | | |
| BEEVILLE, TX | . | . | . | . | . | . | . | . | . | . | . | 17.91 |
| 4.02 | 0.40 | | | | | | | | | | | |

1997 NATIONAL COTTON VARIETY TEST
 1997 CENTRAL REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=COLLEGE STATION, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 971 | STV 474 | 1164 | . | . | . | . | . |
| 1015 | H 1560 (HARTZ) | 985 | . | . | . | . | . |
| 953 | SG 125 | 931 | . | . | . | . | . |
| 919 | DP 5409 | 705 | . | . | . | . | . |
| 689 | DELTAPINE 50 | 694 | 5.21 | 34.3 | 9.8 | 113 | 1.13 |
| 893 | STV LA 887 | 693 | . | . | . | . | . |
| 578 | PAYMASTER HS 26 | 605 | 6.57 | 35.2 | 11.9 | 132 | 1.11 |
| 579 | DES 56 | 579 | 6.61 | 35.3 | 11.2 | 125 | 1.08 |
| 773 | ACALA MAXXA | 298 | . | . | . | . | . |
| . | LSD | 249 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 689 | 0.56 | 192 | 6.30 | 5.30 | 1.10 | 83.4 | 26.0 | 9.5 | 63.0 | 6.1 | 5.20 |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | 0.56 | 250 | 8.00 | 4.90 | 1.10 | 84.3 | 33.0 | 10.0 | 63.0 | 6.7 | 4.90 |
| 579 | 0.54 | 232 | 7.50 | 5.00 | 1.10 | 83.0 | 31.0 | 10.0 | 63.0 | 6.5 | 4.90 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|------|------|------|-------|-------|------|-----|
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 689 | 1726 | 18.74 | 3.63 | 0.66 | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | 1182 | 18.83 | 3.89 | 0.62 | 410 | 27.0 | 1.70 | 85.00 | 52.10 | 4.91 | 3.0 |
| 579 | 1061 | 20.02 | 3.47 | 0.70 | 411 | 18.5 | 1.52 | 93.00 | 46.36 | 4.36 | 3.1 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | 41.3 | 16.3 | 0.40 | 13.26 | 12.62 | 1.34 | 0.7 |

LOCATION=WESLACO, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 919 | DP 5409 | 1523 | . | . | . | . | . |
| 971 | STV 474 | 1354 | . | . | . | . | . |
| 953 | SG 125 | 1347 | . | . | . | . | . |
| 1015 | H 1560 (HARTZ) | 1300 | . | . | . | . | . |

1997 National Cotton Variety Test

| | | | | | | |
|-----|-----------------|------|---|---|---|---|
| 578 | PAYMASTER HS 26 | 1225 | . | . | . | . |
| 689 | DELTAPINE 50 | 1220 | . | . | . | . |
| 893 | STV LA 887 | 1039 | . | . | . | . |
| 773 | ACALA MAXXA | 910 | . | . | . | . |
| . | LSD | 286 | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|----|----------------|-------------|------|-----------------|---|----|----------------------|-----|
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | . | . | . | . | . | . | . | . | . | . | . |
| 689 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-----|--------------|------------------|------|------|------|------|------|------|-----|
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | . | . | . | . | . | . | . | . | . | . | . |
| 689 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | 62.8 | 11.0 | 0.21 | 8.49 | 2.06 | 0.65 | 0.4 |

LOCATION=BOSSIER CITY, LA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 919 | DP 5409 | 1289 | 5.02 | 40.0 | 9.3 | 119 | 1.15 |
| 1015 | H 1560 (HARTZ) | 1257 | 5.50 | 39.9 | 10.6 | 139 | 1.17 |
| 893 | STV LA 887 | 1256 | 6.18 | 40.7 | 10.8 | 146 | 1.13 |
| 971 | STV 474 | 1238 | 4.76 | 42.7 | 9.8 | 126 | 1.11 |
| 953 | SG 125 | 1076 | 5.37 | 40.6 | 10.4 | 126 | 1.15 |
| 689 | DELTAPINE 50 | 1039 | 5.45 | 36.9 | 10.5 | 118 | 1.13 |
| 773 | ACALA MAXXA | 786 | 5.65 | 40.9 | 11.7 | 165 | 1.14 |
| 578 | PAYMASTER HS 26 | 748 | 5.54 | 36.9 | 10.7 | 129 | 1.08 |
| . | LSD | 228 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|----|----------------|-------------|------|-----------------|---|----|----------------------|-----|
|-------|------------|--------------|----|----------------|-------------|------|-----------------|---|----|----------------------|-----|

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|------|-----|------|------|------|------|------|------|------|-----|------|
| 919 | 0.55 | 201 | 9.00 | 5.00 | 1.10 | 83.4 | 29.5 | 9.7 | 70.0 | 6.7 | 4.85 |
| 1015 | 0.59 | 217 | 8.40 | 5.10 | 1.15 | 84.3 | 31.0 | 9.9 | 68.0 | 7.6 | 4.90 |
| 893 | 0.57 | 230 | 8.75 | 4.90 | 1.15 | 84.7 | 32.0 | 10.0 | 70.5 | 7.6 | 4.80 |
| 971 | 0.56 | 203 | 8.25 | 5.35 | 1.10 | 84.2 | 29.0 | 9.7 | 66.0 | 8.0 | 5.20 |
| 953 | 0.57 | 204 | 8.75 | 5.05 | 1.10 | 84.1 | 28.0 | 9.7 | 70.5 | 7.6 | 4.95 |
| 689 | 0.56 | 192 | 8.50 | 5.15 | 1.10 | 84.3 | 26.0 | 9.3 | 71.0 | 6.6 | 5.25 |
| 773 | 0.57 | 260 | 6.50 | 4.35 | 1.15 | 85.8 | 34.0 | 9.3 | 71.0 | 7.5 | 4.20 |
| 578 | 0.56 | 215 | 8.30 | 5.00 | 1.00 | 83.6 | 31.0 | 10.0 | 72.0 | 7.3 | 5.00 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 919 | 1952 | 19.90 | 3.72 | 0.90 | . | . | . | . | . | . | . |
| 1015 | 1896 | 19.07 | 3.63 | 0.98 | . | . | . | . | . | . | . |
| 893 | 1808 | 20.02 | 3.63 | 1.00 | 408 | 21.3 | 1.58 | 90.50 | 48.67 | 4.62 | 3.1 |
| 971 | 1725 | 18.97 | 3.74 | 1.03 | . | . | . | . | . | . | . |
| 953 | 1762 | 19.67 | 3.84 | 0.87 | 399 | 20.5 | 1.56 | 91.00 | 49.30 | 4.79 | 3.2 |
| 689 | 1807 | 20.88 | 3.68 | 1.00 | . | . | . | . | . | . | . |
| 773 | 1189 | 20.04 | 4.07 | 0.71 | 460 | 30.8 | 1.78 | 82.50 | 48.58 | 4.09 | 2.7 |
| 578 | 1524 | 20.58 | 3.54 | 0.99 | 416 | 25.0 | 1.66 | 87.00 | 50.14 | 4.66 | 3.0 |
| . | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=BEEVILLE, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 689 | DELTAPINE 50 | 512 | 4.94 | 36.9 | 8.5 | . | . |
| 953 | SG 125 | 424 | 5.00 | 40.9 | 7.6 | . | . |
| 1015 | H 1560 (HARTZ) | 414 | . | . | . | . | . |
| 919 | DP 5409 | 384 | 4.36 | 40.2 | 7.6 | . | . |
| 578 | PAYMASTER HS 26 | 378 | 5.87 | 37.1 | 9.5 | . | . |
| 971 | STV 474 | 343 | . | . | . | . | . |
| 893 | STV LA 887 | 317 | 5.65 | 41.2 | 8.6 | . | . |
| 773 | ACALA MAXXA | 283 | 6.06 | 44.4 | 9.3 | . | . |
| . | LSD | 165 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|----|----------------|-------------|------|-----------------|---|----|----------------------|-----|
| 689 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | . | . | . | . | . | . | . | . | . | . | . |
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

SEED YIELD NITR FREE

| VCODE | (LB/AC) | OIL | OGEN | GOSSYPOL | A | D | I | M | p | w | t |
|-------|---------|-------|------|----------|---|---|---|---|---|---|---|
| 689 | 875 | 17.97 | 3.98 | 0.44 | . | . | . | . | . | . | . |
| 953 | 613 | 16.61 | 3.95 | 0.37 | . | . | . | . | . | . | . |
| 1015 | . | . | . | . | . | . | . | . | . | . | . |
| 919 | 570 | 18.11 | 4.09 | 0.37 | . | . | . | . | . | . | . |
| 578 | 640 | 18.27 | 3.94 | 0.42 | . | . | . | . | . | . | . |
| 971 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | 452 | 17.53 | 3.90 | 0.45 | . | . | . | . | . | . | . |
| 773 | 355 | 18.95 | 4.28 | 0.37 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

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***Thank you for your interest in the ongoing work of the
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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 BLACKLANDS REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 BLACKLAND REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 689 | DELTAPINE 50 | 588 | 6.03 | 40.2 | 9.8 | 122 | 1.09 | 0.56 |
| 578 | PAYMASTER HS 26 | 562 | 6.83 | 41.5 | 10.7 | 147 | 1.08 | 0.58 |
| 1018 | TAMCOT SPHINX | 549 | 5.95 | 41.3 | 10.1 | 126 | 1.09 | 0.57 |
| 893 | STV LA 887 | 540 | 6.75 | 44.4 | 9.9 | 126 | 1.08 | 0.55 |
| 953 | SG 125 | 509 | 5.95 | 44.2 | 9.2 | 127 | 1.06 | 0.56 |
| 773 | ACALA MAXXA | 434 | 6.65 | 44.1 | 10.7 | 150 | 1.11 | 0.57 |
| . | LSD | 143 | 0.44 | 3.1 | 0.5 | 35 | 0.10 | 0.03 |

| VCODE | T1 | E1 | MICRONAIRE | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC | SEED YIELD |
|-------|--------|------|------------|------|------|---------|-----|------|-----------|------|------------|
| | mN/tex | | | S.L. | | (g/tex) | | | b READING | | (LB/AC) |
| 689 | 205 | 7.20 | 5.53 | 1.10 | 84.3 | 27.5 | 9.5 | 69.5 | 9.1 | 5.50 | 862 |
| 578 | 245 | 7.15 | 4.90 | 1.05 | 83.7 | 32.0 | 9.7 | 69.8 | 8.3 | 4.70 | 731 |
| 1018 | 215 | 6.25 | 5.43 | 1.05 | 83.9 | 27.8 | 9.6 | 72.3 | 8.5 | 5.45 | 731 |
| 893 | 207 | 7.33 | 5.58 | 1.08 | 84.0 | 28.5 | 9.7 | 70.0 | 9.7 | 5.58 | 556 |
| 953 | 214 | 8.08 | 5.35 | 1.05 | 84.1 | 29.3 | 9.8 | 70.0 | 8.8 | 5.55 | 648 |
| 773 | 248 | 6.75 | 5.23 | 1.13 | 84.6 | 34.0 | 9.8 | 67.8 | 7.8 | 4.90 | 547 |
| . | . | 2.10 | 0.59 | 0.14 | 2.3 | 5.9 | 0.6 | 6.9 | 1.9 | 0.80 | 244 |

| VCODE | OIL | NITROGEN | FREE | A | D | I | M | p | w | t |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | | | | | | | |
| 689 | 19.85 | 3.73 | 0.72 | 379 | 20.0 | 1.55 | 91.00 | 51.47 | 5.26 | 3.3 |
| 578 | 19.60 | 3.86 | 0.62 | 424 | 17.3 | 1.49 | 93.75 | 43.99 | 4.02 | 3.0 |
| 1018 | 19.98 | 3.91 | 0.63 | . | . | . | . | . | . | . |
| 893 | 19.57 | 3.83 | 0.72 | 365 | 14.6 | 1.42 | 96.25 | 48.83 | 5.17 | 3.6 |
| 953 | 19.70 | 3.70 | 0.70 | 383 | 16.8 | 1.47 | 94.50 | 48.00 | 4.84 | 3.4 |
| 773 | 18.88 | 3.94 | 0.52 | 394 | 19.6 | 1.54 | 91.75 | 49.21 | 4.85 | 3.2 |
| . | 2.14 | 0.42 | 0.13 | 91.0 | 15.9 | 0.38 | 14.23 | 8.91 | 1.38 | 1.1 |

1997 NATIONAL COTTON VARIETY TEST
 1997 BLACKLAND REGION RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| SEED VARIETY VARIETY | BOLL SIZE | | LINT | | | |
|----------------------------|-------------------------|------------|---------|-----------------|-------|-----------|
| | 2.5 (G/BOLL) S.L. | VARIETY | PERCENT | VARIETY | INDEX | |
| | | | | | | |
| PAYMASTER HS 26 MAXXA | 6.83 1.13 | STV LA 887 | 44.4 | ACALA MAXXA | 10.7 | ACALA |
| STV LA 887 | 6.75 | SG 125 | 44.2 | PAYMASTER HS 26 | 10.7 | DELTAPINE |

| | | | | | | | |
|-----------------|------|---------------|------|-----------------|------|------------|-----|
| 50 | 1.10 | | | | | | |
| ACALA MAXXA | 6.65 | ACALA MAXXA | 44.1 | TAMCOT SPHINX | 10.1 | STV LA | |
| 887 | 1.08 | DELTAPINE 50 | 6.03 | PAYMASTER HS 26 | 41.5 | STV LA 887 | 9.9 |
| PAYMASTER HS 26 | 1.05 | | | | | | |
| SG 125 | 5.95 | TAMCOT SPHINX | 41.3 | DELTAPINE 50 | 9.8 | TAMCOT | |
| SPHINX | 1.05 | | | | | | |
| TAMCOT SPHINX | 5.95 | DELTAPINE 50 | 40.2 | SG 125 | 9.2 | SG | |
| 125 | 1.05 | | | | | | |
| LSD | 0.44 | LSD | 3.1 | LSD | 0.5 | | |
| LSD | 0.14 | | | | | | |

| VARIETY | UNIF | VARIETY | STRN (g/tex) | VARIETY | E | VARIETY |
|-----------------|------|-----------------|-----------------|-----------------|-----|-----------------|
| ACALA MAXXA | 84.6 | ACALA MAXXA | 34.0 | ACALA MAXXA | 9.8 | STV LA 887 |
| 5.58 | | | | | | |
| DELTAPINE 50 | 84.3 | PAYMASTER HS 26 | 32.0 | SG 125 | 9.8 | SG 125 |
| 5.55 | | | | | | |
| SG 125 | 84.1 | SG 125 | 29.3 | STV LA 887 | 9.7 | DELTAPINE 50 |
| 5.50 | | | | | | |
| STV LA 887 | 84.0 | STV LA 887 | 28.5 | PAYMASTER HS 26 | 9.7 | TAMCOT SPHINX |
| 5.45 | | | | | | |
| TAMCOT SPHINX | 83.9 | TAMCOT SPHINX | 27.8 | TAMCOT SPHINX | 9.6 | ACALA MAXXA |
| 4.90 | | | | | | |
| PAYMASTER HS 26 | 83.7 | DELTAPINE 50 | 27.5 | DELTAPINE 50 | 9.5 | PAYMASTER HS 26 |
| 4.70 | | | | | | |
| LSD | 2.3 | LSD | 5.9 | LSD | 0.6 | LSD |
| 0.80 | | | | | | |

| VARIETY | RD | VARIETY | HUNTERS b READING | VARIETY | MICRO NAIRE |
|---------------|------|------------|----------------------|------------|----------------|
| VARIETY | E1 | | | | |
| TAMCOT SPHINX | 72.3 | STV LA 887 | 9.7 | STV LA 887 | 5.58 |
| | | | | | SG |

1997 National Cotton Variety Test

| | | | | | | |
|-----------------|------|-----------------|-----|-----------------|------|--------------|
| 125 | 8.08 | | | | | |
| STV LA 887 | 70.0 | DELTAPINE 50 | 9.1 | DELTAPINE 50 | 5.53 | STV LA |
| 887 | 7.33 | | | | | |
| SG 125 | 70.0 | SG 125 | 8.8 | TAMCOT SPHINX | 5.43 | DELTAPINE |
| 50 | 7.20 | | | | | |
| PAYMASTER HS 26 | 69.8 | TAMCOT SPHINX | 8.5 | SG 125 | 5.35 | PAYMASTER HS |
| 26 | 7.15 | | | | | |
| DELTAPINE 50 | 69.5 | PAYMASTER HS 26 | 8.3 | ACALA MAXXA | 5.23 | ACALA |
| MAXXA | 6.75 | | | | | |
| ACALA MAXXA | 67.8 | ACALA MAXXA | 7.8 | PAYMASTER HS 26 | 4.90 | TAMCOT |
| SPHINX | 6.25 | | | | | |
| LSD | 6.9 | LSD | 1.9 | LSD | 0.59 | |
| LSD | 2.10 | | | | | |

| YARN | | T1 | | 50 | | 2.5 | |
|-----------------|--------|-----------------|------|-----------------|------|-----------------|--|
| VARIETY | mn/tex | VARIETY | S.L. | VARIETY | S.L. | VARIETY | |
| TENACITY | | | | | | | |
| ACALA MAXXA | 248 | PAYMASTER HS 26 | 0.58 | ACALA MAXXA | 1.11 | ACALA MAXXA | |
| 150 | | | | | | | |
| PAYMASTER HS 26 | 245 | ACALA MAXXA | 0.57 | DELTAPINE 50 | 1.09 | PAYMASTER HS 26 | |
| 147 | | | | | | | |
| TAMCOT SPHINX | 215 | TAMCOT SPHINX | 0.57 | TAMCOT SPHINX | 1.09 | SG 125 | |
| 127 | | | | | | | |
| SG 125 | 214 | SG 125 | 0.56 | PAYMASTER HS 26 | 1.08 | STV LA 887 | |
| 126 | | | | | | | |
| STV LA 887 | 207 | DELTAPINE 50 | 0.56 | STV LA 887 | 1.08 | TAMCOT SPHINX | |
| 126 | | | | | | | |
| DELTAPINE 50 | 205 | STV LA 887 | 0.55 | SG 125 | 1.06 | DELTAPINE 50 | |
| 122 | | | | | | | |
| LSD | . | LSD | 0.03 | LSD | 0.10 | | |
| LSD | 35 | | | | | | |

| VARIETY | A | VARIETY | D | VARIETY | I | VARIETY | M |
|-----------------|------|-----------------|------|-----------------|------|-----------------|-------|
| PAYMASTER HS 26 | 424 | DELTAPINE 50 | 20.0 | DELTAPINE 50 | 1.55 | STV LA 887 | 96.25 |
| ACALA MAXXA | 394 | ACALA MAXXA | 19.6 | ACALA MAXXA | 1.54 | SG 125 | 94.50 |
| SG 125 | 383 | PAYMASTER HS 26 | 17.3 | PAYMASTER HS 26 | 1.49 | PAYMASTER HS 26 | 93.75 |
| DELTAPINE 50 | 379 | SG 125 | 16.8 | SG 125 | 1.47 | ACALA MAXXA | 91.75 |
| STV LA 887 | 365 | STV LA 887 | 14.6 | STV LA 887 | 1.42 | DELTAPINE 50 | 91.00 |
| TAMCOT SPHINX | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . |
| LSD | 91.0 | LSD | 15.9 | LSD | 0.38 | LSD | 14.23 |

SEED

| YIELD VARIETY AC) | p | VARIETY | w | VARIETY | t | VARIETY | (LB/ |
|-------------------------|-------|-----------------|------|-----------------|-----|-----------------|------|
| DELTAPINE 50 862 | 51.47 | DELTAPINE 50 | 5.26 | STV LA 887 | 3.6 | DELTAPINE 50 | |
| ACALA MAXXA 731 | 49.21 | STV LA 887 | 5.17 | SG 125 | 3.4 | PAYMASTER HS 26 | |
| STV LA 887 731 | 48.83 | ACALA MAXXA | 4.85 | DELTAPINE 50 | 3.3 | TAMCOT SPHINX | |
| SG 125 648 | 48.00 | SG 125 | 4.84 | ACALA MAXXA | 3.2 | SG 125 | |
| PAYMASTER HS 26 556 | 43.99 | PAYMASTER HS 26 | 4.02 | PAYMASTER HS 26 | 3.0 | STV LA 887 | |
| TAMCOT SPHINX 547 | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . | ACALA MAXXA | |
| LSD 244 | 8.91 | LSD | 1.38 | LSD | 1.1 | LSD | |

| VARIETY | OIL | VARIETY | NITR OGEN | VARIETY | FREE GOSSYPOL |
|---------------|-------|---------------|--------------|--------------|------------------|
| TAMCOT SPHINX | 19.98 | ACALA MAXXA | 3.94 | DELTAPINE 50 | 0.72 |
| DELTAPINE 50 | 19.85 | TAMCOT SPHINX | 3.91 | STV LA 887 | 0.72 |

1997 National Cotton Variety Test

| | | | | | |
|-----------------|-------|-----------------|------|-----------------|------|
| SG 125 | 19.70 | PAYMASTER HS 26 | 3.86 | SG 125 | 0.70 |
| PAYMASTER HS 26 | 19.60 | STV LA 887 | 3.83 | TAMCOT SPHINX | 0.63 |
| STV LA 887 | 19.57 | DELTAPINE 50 | 3.73 | PAYMASTER HS 26 | 0.62 |
| ACALA MAXXA | 18.88 | SG 125 | 3.70 | ACALA MAXXA | 0.52 |
| LSD | 2.14 | LSD | 0.42 | LSD | 0.13 |

1997 NATIONAL COTTON VARIETY TEST
 1997 BLACKLAND REGION RESULTS
 SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| DALLAS, TX | 616 | 6.33 | 42.1 | 10.3 | 131 | 1.09 | 0.56 | 224 |
| THRALL, TX | 444 | 6.39 | 43.1 | 9.8 | 135 | 1.08 | 0.56 | 220 |

| LOCATION | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|------------|------|----------------|-------------|------|-----------------|-----|------|----------------------|------|-----------------------|
| DALLAS, TX | 7.82 | 5.26 | 1.08 | 83.8 | 30.0 | 9.9 | 68.4 | 8.4 | 5.20 | 764 |
| THRALL, TX | 6.43 | 5.41 | 1.07 | 84.4 | 29.7 | 9.5 | 71.3 | 9.0 | 5.36 | 595 |

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| DALLAS, TX | 19.92 | 3.78 | 0.74 | 394 | 19.1 | 1.53 | 92.10 | 48.94 | 4.85 | 3.2 |
| THRALL, TX | 19.27 | 3.87 | 0.56 | 386 | 15.3 | 1.43 | 95.75 | 46.70 | 4.69 | 3.4 |

1997 NATIONAL COTTON VARIETY TEST
 1997 BLACKLAND REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=DALLAS, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 953 | SG 125 | 670 | 5.85 | 43.3 | 9.4 | 126 | 1.01 | 0.55 |
| 578 | PAYMASTER HS 26 | 640 | 6.90 | 42.4 | 10.7 | 160 | 1.12 | 0.58 |
| 689 | DELTAPINE 50 | 630 | 6.10 | 39.7 | 10.1 | 130 | 1.09 | 0.55 |
| 893 | STV LA 887 | 628 | 6.70 | 43.4 | 10.3 | 119 | 1.07 | 0.54 |
| 1018 | TAMCOT SPHINX | 621 | 5.70 | 41.3 | 10.1 | 114 | 1.11 | 0.56 |
| 773 | ACALA MAXXA | 509 | 6.70 | 42.6 | 11.1 | 138 | 1.13 | 0.58 |
| . | LSD | 119 | 0.93 | 2.8 | 0.9 | 16 | 0.04 | 0.03 |

| VCODE | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 953 | 223 | 9.00 | 5.15 | 1.00 | 82.8 | 30.5 | 10.0 | 69.5 | 7.9 | 5.45 | 862 |
| 578 | 265 | 6.75 | 4.60 | 1.10 | 84.1 | 34.0 | 9.7 | 68.0 | 8.5 | 4.30 | 814 |
| 689 | 215 | 8.00 | 5.50 | 1.10 | 83.8 | 29.5 | 10.0 | 66.5 | 9.5 | 5.45 | 900 |
| 893 | 193 | 8.65 | 5.65 | 1.05 | 83.8 | 27.0 | 9.8 | 70.0 | 9.5 | 5.50 | 637 |
| 1018 | 208 | 7.00 | 5.30 | 1.10 | 84.2 | 26.0 | 9.8 | 73.0 | 8.2 | 5.30 | 796 |
| 773 | 243 | 7.50 | 5.35 | 1.15 | 84.0 | 33.0 | 10.0 | 63.5 | 6.9 | 5.20 | 574 |
| . | . | 1.91 | 0.64 | 0.11 | 0.8 | 6.0 | 0.5 | 3.4 | 0.5 | 0.60 | 338 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 953 | 20.87 | 3.65 | 0.78 | 396 | 22.3 | 1.60 | 89.50 | 50.68 | 4.95 | 3.2 |

1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-------|------|------|------|------|------|-------|-------|------|-----|
| 578 | 19.99 | 3.96 | 0.67 | 449 | 19.8 | 1.55 | 91.50 | 43.32 | 3.74 | 2.8 |
| 689 | 20.11 | 3.78 | 0.84 | 379 | 20.0 | 1.55 | 91.00 | 51.47 | 5.26 | 3.3 |
| 893 | 19.02 | 3.82 | 0.79 | 369 | 14.8 | 1.43 | 96.00 | 48.42 | 5.08 | 3.6 |
| 1018 | 20.66 | 3.75 | 0.78 | . | . | . | . | . | . | . |
| 773 | 18.87 | 3.74 | 0.58 | 377 | 18.8 | 1.53 | 92.50 | 50.84 | 5.23 | 3.4 |
| . | 2.04 | 0.42 | 0.20 | 37.9 | 7.9 | 0.19 | 6.94 | 3.05 | 0.43 | 0.5 |

LOCATION=THRALL, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 689 | DELTAPINE 50 | 545 | 5.95 | 40.6 | 9.5 | 115 | 1.09 |
| 578 | PAYMASTER HS 26 | 484 | 6.75 | 40.7 | 10.7 | 135 | 1.05 |
| 1018 | TAMCOT SPHINX | 476 | 6.20 | 41.3 | 10.0 | 137 | 1.06 |
| 893 | STV LA 887 | 452 | 6.80 | 45.4 | 9.6 | 133 | 1.08 |
| 773 | ACALA MAXXA | 360 | 6.60 | 45.6 | 10.4 | 162 | 1.09 |
| 953 | SG 125 | 349 | 6.05 | 45.1 | 9.0 | 127 | 1.11 |
| . | LSD | 148 | 0.61 | 1.7 | 0.6 | 12 | 0.03 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|-----|------|----------------------|------|
| 689 | 0.56 | 194 | 6.40 | 5.55 | 1.10 | 84.9 | 25.5 | 9.1 | 72.5 | 8.7 | 5.55 |
| 578 | 0.57 | 225 | 7.55 | 5.20 | 1.00 | 83.4 | 30.0 | 9.7 | 71.5 | 8.1 | 5.10 |
| 1018 | 0.57 | 221 | 5.50 | 5.55 | 1.00 | 83.7 | 29.5 | 9.3 | 71.5 | 8.7 | 5.60 |
| 893 | 0.56 | 221 | 6.00 | 5.50 | 1.10 | 84.1 | 30.0 | 9.7 | 70.0 | 9.9 | 5.65 |
| 773 | 0.56 | 253 | 6.00 | 5.10 | 1.10 | 85.1 | 35.0 | 9.6 | 72.0 | 8.7 | 4.60 |
| 953 | 0.57 | 205 | 7.15 | 5.55 | 1.10 | 85.5 | 28.0 | 9.6 | 70.5 | 9.7 | 5.65 |
| . | 0.03 | . | 0.87 | 0.31 | . | 1.3 | 1.1 | 0.5 | 3.0 | 0.6 | 0.36 |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|------|-----|-------|------|------|------|------|------|-------|-------|------|-----|
| 689 | 824 | 19.60 | 3.69 | 0.61 | . | . | . | . | . | . | . |
| 578 | 648 | 19.21 | 3.75 | 0.56 | 400 | 14.8 | 1.43 | 96.00 | 44.67 | 4.31 | 3.3 |
| 1018 | 666 | 19.31 | 4.07 | 0.48 | . | . | . | . | . | . | . |
| 893 | 475 | 20.12 | 3.85 | 0.65 | 362 | 14.5 | 1.42 | 96.50 | 49.24 | 5.27 | 3.6 |
| 773 | 520 | 18.88 | 4.13 | 0.46 | 412 | 20.5 | 1.56 | 91.00 | 47.58 | 4.46 | 3.0 |
| 953 | 435 | 18.53 | 3.75 | 0.61 | 370 | 11.3 | 1.33 | 99.50 | 45.32 | 4.74 | 3.7 |
| . | 427 | 1.48 | 0.25 | 0.14 | 20.0 | 28.6 | 0.72 | 25.64 | 24.74 | 2.71 | 0.9 |

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



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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 PLAINS REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 PLAINS REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 1018 | TAMCOT SPHINX | 701 | 5.88 | 37.5 | 11.0 | 146 | 1.07 |
| 578 | PAYMASTER HS 26 | 698 | 6.08 | 35.8 | 11.9 | 134 | 1.09 |
| 1021 | BS&D TEJAS | 665 | 6.02 | 36.1 | 11.7 | 129 | 1.04 |
| 1022 | BS&D UTE | 657 | 5.79 | 37.1 | 10.7 | 147 | 1.11 |
| 1023 | PAYMASTER PM 183 | 643 | 5.92 | 35.6 | 11.3 | 114 | 0.99 |
| 1020 | HOLLAND 186 | 634 | 6.54 | 35.2 | 11.5 | 135 | 1.10 |
| 1019 | ALL TEX ATLAS | 631 | 6.51 | 35.6 | 12.0 | 136 | 1.09 |
| 953 | SG 125 | 591 | 5.67 | 39.2 | 10.7 | 121 | 1.12 |
| 893 | STV LA 887 | 576 | 6.28 | 38.9 | 11.5 | 148 | 1.17 |
| 906 | SOUTHLAND 400 | 566 | 6.46 | 34.6 | 12.2 | 143 | 1.07 |
| 773 | ACALA MAXXA | 511 | 6.00 | 39.4 | 12.4 | 154 | 1.14 |
| . | LSD | 86 | 0.50 | 1.0 | 0.7 | 8 | 0.04 |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | |
|-------|------|--------|------|-------|------|------|---------|------|------|-----------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | MIC |
| 1018 | 0.56 | 221 | 7.00 | 4.90 | 1.10 | 83.3 | 31.0 | 9.7 | 68.5 | 7.3 | 4.80 |
| 578 | 0.57 | 232 | 10.0 | 4.80 | 1.08 | 84.1 | 31.3 | 10.5 | 72.2 | 8.1 | 4.68 |
| 1021 | 0.55 | 215 | 9.15 | 4.85 | 1.00 | 82.5 | 30.0 | 10.0 | 69.0 | 7.1 | 4.80 |
| 1022 | 0.56 | 226 | 7.50 | 4.35 | 1.10 | 83.9 | 32.0 | 9.6 | 72.5 | 6.7 | 4.15 |
| 1023 | 0.54 | 199 | 7.50 | 5.10 | 1.00 | 81.2 | 29.5 | 9.9 | 69.0 | 8.1 | 4.95 |
| 1020 | 0.58 | 213 | 8.90 | 4.30 | 1.10 | 84.2 | 30.0 | 10.0 | 72.0 | 7.2 | 4.25 |
| 1019 | 0.57 | 219 | 9.15 | 4.70 | 1.10 | 83.5 | 31.5 | 10.5 | 72.0 | 7.4 | 4.50 |
| 953 | 0.57 | 187 | 10.0 | 4.25 | 1.10 | 84.0 | 26.0 | 10.0 | 70.5 | 7.4 | 4.20 |
| 893 | 0.57 | 228 | 8.50 | 4.00 | 1.15 | 84.5 | 31.5 | 9.9 | 70.5 | 7.9 | 3.80 |
| 906 | 0.55 | 224 | 6.90 | 4.50 | 1.05 | 82.9 | 33.0 | 9.5 | 71.0 | 7.4 | 4.35 |
| 773 | 0.57 | 246 | 7.40 | 4.10 | 1.10 | 84.7 | 31.5 | 9.4 | 69.0 | 6.8 | 3.80 |
| . | 0.04 | 23 | 1.32 | 0.40 | 0.06 | 2.5 | 2.3 | 0.7 | 1.8 | 0.5 | 0.46 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 1018 | 1442 | 20.30 | 3.88 | 0.64 | . | . | . | . | . | . | . |
| 578 | 1390 | 20.43 | 3.57 | 0.68 | 427 | 29.8 | 1.75 | 83.33 | 51.55 | 4.70 | 2.9 |
| 1021 | 1543 | 21.65 | 3.61 | 0.72 | . | . | . | . | . | . | . |
| 1022 | 1447 | 20.54 | 3.82 | 0.64 | . | . | . | . | . | . | . |
| 1023 | 1649 | 20.68 | 3.69 | 0.54 | . | . | . | . | . | . | . |
| 1020 | 1480 | 20.55 | 3.61 | 0.59 | . | . | . | . | . | . | . |
| 1019 | 1554 | 21.02 | 3.56 | 0.68 | . | . | . | . | . | . | . |
| 953 | 1504 | 18.04 | 3.60 | 0.59 | 480 | 40.5 | 1.95 | 76.00 | 51.18 | 4.23 | 2.6 |
| 893 | 1207 | 18.92 | 3.61 | 0.67 | 496 | 37.3 | 1.90 | 78.00 | 48.26 | 3.81 | 2.5 |
| 906 | 1572 | 19.12 | 3.66 | 0.50 | . | . | . | . | . | . | . |
| 773 | 1141 | 19.74 | 3.97 | 0.55 | 493 | 30.8 | 1.77 | 83.00 | 45.10 | 3.59 | 2.5 |
| . | 371 | 1.39 | 0.20 | 0.13 | 58.1 | 12.0 | 0.22 | 7.73 | 2.79 | 0.57 | 0.4 |

1997 NATIONAL COTTON VARIETY TEST
1997 PLAINS REGION RESULTS
INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| VARIETY | BOLL SIZE (G/BOLL) | VARIETY | LINT PERCENT | VARIETY | SEED INDEX | VARIETY | 2.5 S.L. |
|------------------|-----------------------|------------------|-----------------|------------------|---------------|------------------|-------------|
| HOLLAND 186 | 6.54 | ACALA MAXXA | 39.4 | ACALA MAXXA | 12.4 | STV LA 887 | 1.15 |
| ALL TEX ATLAS | 6.51 | SG 125 | 39.2 | SOUTHLAND 400 | 12.2 | ACALA MAXXA | 1.10 |
| SOUTHLAND 400 | 6.46 | STV LA 887 | 38.9 | ALL TEX ATLAS | 12.0 | ALL TEX ATLAS | 1.10 |
| STV LA 887 | 6.28 | TAMCOT SPHINX | 37.5 | PAYMASTER HS 26 | 11.9 | HOLLAND 186 | 1.10 |
| PAYMASTER HS 26 | 6.08 | BS&D UTE | 37.1 | BS&D TEJAS | 11.7 | TAMCOT SPHINX | 1.10 |
| BS&D TEJAS | 6.02 | BS&D TEJAS | 36.1 | STV LA 887 | 11.5 | SG 125 | 1.10 |
| ACALA MAXXA | 6.00 | PAYMASTER HS 26 | 35.8 | HOLLAND 186 | 11.5 | BS&D UTE | 1.10 |
| PAYMASTER PM 183 | 5.92 | ALL TEX ATLAS | 35.6 | PAYMASTER PM 183 | 11.3 | PAYMASTER HS 26 | 1.08 |
| TAMCOT SPHINX | 5.88 | PAYMASTER PM 183 | 35.6 | TAMCOT SPHINX | 11.0 | SOUTHLAND 400 | 1.05 |
| BS&D UTE | 5.79 | HOLLAND 186 | 35.2 | SG 125 | 10.7 | BS&D TEJAS | 1.00 |
| SG 125 | 5.67 | SOUTHLAND 400 | 34.6 | BS&D UTE | 10.7 | PAYMASTER PM 183 | 1.00 |
| LSD | 0.50 | LSD | 1.0 | LSD | 0.7 | LSD | 0.06 |

| VARIETY | UNIF | VARIETY | STRN (g/tex) | VARIETY | E | VARIETY | MIC |
|------------------|------|------------------|-----------------|------------------|------|------------------|------|
| ACALA MAXXA | 84.7 | SOUTHLAND 400 | 33.0 | ALL TEX ATLAS | 10.5 | PAYMASTER PM 183 | 4.95 |
| STV LA 887 | 84.5 | BS&D UTE | 32.0 | PAYMASTER HS 26 | 10.5 | BS&D TEJAS | 4.80 |
| HOLLAND 186 | 84.2 | ACALA MAXXA | 31.5 | BS&D TEJAS | 10.0 | TAMCOT SPHINX | 4.80 |
| PAYMASTER HS 26 | 84.1 | STV LA 887 | 31.5 | SG 125 | 10.0 | PAYMASTER HS 26 | 4.68 |
| SG 125 | 84.0 | ALL TEX ATLAS | 31.5 | HOLLAND 186 | 10.0 | ALL TEX ATLAS | 4.50 |
| BS&D UTE | 83.9 | PAYMASTER HS 26 | 31.3 | STV LA 887 | 9.9 | SOUTHLAND 400 | 4.35 |
| ALL TEX ATLAS | 83.5 | TAMCOT SPHINX | 31.0 | PAYMASTER PM 183 | 9.9 | HOLLAND 186 | 4.25 |
| TAMCOT SPHINX | 83.3 | HOLLAND 186 | 30.0 | TAMCOT SPHINX | 9.7 | SG 125 | 4.20 |
| SOUTHLAND 400 | 82.9 | BS&D TEJAS | 30.0 | BS&D UTE | 9.6 | BS&D UTE | 4.15 |
| BS&D TEJAS | 82.5 | PAYMASTER PM 183 | 29.5 | SOUTHLAND 400 | 9.5 | STV LA 887 | 3.80 |
| PAYMASTER PM 183 | 81.2 | SG 125 | 26.0 | ACALA MAXXA | 9.4 | ACALA MAXXA | 3.80 |
| LSD | 2.5 | LSD | 2.3 | LSD | 0.7 | LSD | 0.46 |

| T1 VARIETY mN/tex | RD | VARIETY | HUNTERS b READING | VARIETY | MICRO NAIRE | VARIETY |
|-------------------------|------|-----------------|----------------------|------------------|----------------|-------------|
| BS&D UTE 246 | 72.5 | PAYMASTER HS 26 | 8.1 | PAYMASTER PM 183 | 5.10 | ACALA MAXXA |

| | | | | | | |
|-------------------------|------|------------------|-----|-----------------|------|------------------|
| PAYMASTER HS 26 232 | 72.2 | PAYMASTER PM 183 | 8.1 | TAMCOT SPHINX | 4.90 | PAYMASTER HS 26 |
| ALL TEX ATLAS 228 | 72.0 | STV LA 887 | 7.9 | BS&D TEJAS | 4.85 | STV LA 887 |
| HOLLAND 186 226 | 72.0 | ALL TEX ATLAS | 7.4 | PAYMASTER HS 26 | 4.80 | BS&D UTE |
| SOUTHLAND 400 224 | 71.0 | SOUTHLAND 400 | 7.4 | ALL TEX ATLAS | 4.70 | SOUTHLAND 400 |
| SG 125 221 | 70.5 | SG 125 | 7.4 | SOUTHLAND 400 | 4.50 | TAMCOT SPHINX |
| STV LA 887 219 | 70.5 | TAMCOT SPHINX | 7.3 | BS&D UTE | 4.35 | ALL TEX ATLAS |
| PAYMASTER PM 183 215 | 69.0 | HOLLAND 186 | 7.2 | HOLLAND 186 | 4.30 | BS&D TEJAS |
| BS&D TEJAS 213 | 69.0 | BS&D TEJAS | 7.1 | SG 125 | 4.25 | HOLLAND 186 |
| ACALA MAXXA 199 | 69.0 | ACALA MAXXA | 6.8 | ACALA MAXXA | 4.10 | PAYMASTER PM 183 |
| TAMCOT SPHINX 187 | 68.5 | BS&D UTE | 6.7 | STV LA 887 | 4.00 | SG 125 |
| LSD 23 | 1.8 | LSD | 0.5 | LSD | 0.40 | LSD |

| VARIETY | E1 | VARIETY | S.L. | VARIETY | 50 S.L. | VARIETY | 2.5 TENACITY |
|------------------|------|------------------|------|------------------|------------|------------------|-----------------|
| PAYMASTER HS 26 | 10.0 | HOLLAND 186 | 0.58 | STV LA 887 | 1.17 | ACALA MAXXA | 154 |
| SG 125 | 10.0 | PAYMASTER HS 26 | 0.57 | ACALA MAXXA | 1.14 | STV LA 887 | 148 |
| BS&D TEJAS | 9.15 | SG 125 | 0.57 | SG 125 | 1.12 | BS&D UTE | 147 |
| ALL TEX ATLAS | 9.15 | STV LA 887 | 0.57 | BS&D UTE | 1.11 | TAMCOT SPHINX | 146 |
| HOLLAND 186 | 8.90 | ACALA MAXXA | 0.57 | HOLLAND 186 | 1.10 | SOUTHLAND 400 | 143 |
| STV LA 887 | 8.50 | ALL TEX ATLAS | 0.57 | ALL TEX ATLAS | 1.09 | ALL TEX ATLAS | 136 |
| PAYMASTER PM 183 | 7.50 | TAMCOT SPHINX | 0.56 | PAYMASTER HS 26 | 1.09 | HOLLAND 186 | 135 |
| BS&D UTE | 7.50 | BS&D UTE | 0.56 | TAMCOT SPHINX | 1.07 | PAYMASTER HS 26 | 134 |
| ACALA MAXXA | 7.40 | SOUTHLAND 400 | 0.55 | SOUTHLAND 400 | 1.07 | BS&D TEJAS | 129 |
| TAMCOT SPHINX | 7.00 | BS&D TEJAS | 0.55 | BS&D TEJAS | 1.04 | SG 125 | 121 |
| SOUTHLAND 400 | 6.90 | PAYMASTER PM 183 | 0.54 | PAYMASTER PM 183 | 0.99 | PAYMASTER PM 183 | 114 |
| LSD | 1.32 | LSD | 0.04 | LSD | 0.04 | LSD | 8 |

| VARIETY | A | VARIETY | D | VARIETY | I | VARIETY | M |
|------------------|------|------------------|------|------------------|------|------------------|-------|
| STV LA 887 | 496 | SG 125 | 40.5 | SG 125 | 1.95 | PAYMASTER HS 26 | 83.33 |
| ACALA MAXXA | 493 | STV LA 887 | 37.3 | STV LA 887 | 1.90 | ACALA MAXXA | 83.00 |
| SG 125 | 480 | ACALA MAXXA | 30.8 | ACALA MAXXA | 1.77 | STV LA 887 | 78.00 |
| PAYMASTER HS 26 | 427 | PAYMASTER HS 26 | 29.8 | PAYMASTER HS 26 | 1.75 | SG 125 | 76.00 |
| BS&D UTE | . | BS&D UTE | . | BS&D UTE | . | BS&D UTE | . |
| TAMCOT SPHINX | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . |
| SOUTHLAND 400 | . | SOUTHLAND 400 | . | SOUTHLAND 400 | . | SOUTHLAND 400 | . |
| ALL TEX ATLAS | . | ALL TEX ATLAS | . | ALL TEX ATLAS | . | ALL TEX ATLAS | . |
| HOLLAND 186 | . | HOLLAND 186 | . | HOLLAND 186 | . | HOLLAND 186 | . |
| BS&D TEJAS | . | BS&D TEJAS | . | BS&D TEJAS | . | BS&D TEJAS | . |
| PAYMASTER PM 183 | . | PAYMASTER PM 183 | . | PAYMASTER PM 183 | . | PAYMASTER PM 183 | . |
| LSD | 58.1 | LSD | 12.0 | LSD | 0.22 | LSD | 7.73 |

SEED

| YIELD VARIETY | p | VARIETY | w | VARIETY | t | VARIETY | (LB/AC) |
|------------------|-------|------------------|------|------------------|-----|------------------|---------|
| PAYMASTER HS 26 | 51.55 | PAYMASTER HS 26 | 4.70 | PAYMASTER HS 26 | 2.9 | PAYMASTER PM 183 | 1649 |
| SG 125 | 51.18 | SG 125 | 4.23 | SG 125 | 2.6 | SOUTHLAND 400 | 1572 |
| STV LA 887 | 48.26 | STV LA 887 | 3.81 | ACALA MAXXA | 2.5 | ALL TEX ATLAS | 1554 |
| ACALA MAXXA | 45.10 | ACALA MAXXA | 3.59 | STV LA 887 | 2.5 | BS&D TEJAS | 1543 |
| BS&D UTE | . | BS&D UTE | . | BS&D UTE | . | SG 125 | 1504 |
| TAMCOT SPHINX | . | TAMCOT SPHINX | . | TAMCOT SPHINX | . | HOLLAND 186 | 1480 |
| SOUTHLAND 400 | . | SOUTHLAND 400 | . | SOUTHLAND 400 | . | BS&D UTE | 1447 |
| ALL TEX ATLAS | . | ALL TEX ATLAS | . | ALL TEX ATLAS | . | TAMCOT SPHINX | 1442 |
| HOLLAND 186 | . | HOLLAND 186 | . | HOLLAND 186 | . | PAYMASTER HS 26 | 1390 |
| BS&D TEJAS | . | BS&D TEJAS | . | BS&D TEJAS | . | STV LA 887 | 1207 |
| PAYMASTER PM 183 | . | PAYMASTER PM 183 | . | PAYMASTER PM 183 | . | ACALA MAXXA | 1141 |
| LSD | 2.79 | LSD | 0.57 | LSD | 0.4 | LSD | 371 |

| VARIETY | OIL | VARIETY | NITR OGEN | VARIETY | FREE GOSSYPOL |
|------------------|-------|------------------|--------------|-----------------|------------------|
| BS&D TEJAS | 21.65 | ACALA MAXXA | 3.97 | BS&D TEJAS | 0.72 |
| ALL TEX ATLAS | 21.02 | TAMCOT SPHINX | 3.88 | PAYMASTER HS 26 | 0.68 |
| PAYMASTER PM 183 | 20.68 | BS&D UTE | 3.82 | ALL TEX ATLAS | 0.68 |
| HOLLAND 186 | 20.55 | PAYMASTER PM 183 | 3.69 | STV LA 887 | 0.67 |

| | | | | | |
|-----------------|-------|-----------------|------|------------------|------|
| BS&D UTE | 20.54 | SOUTHLAND 400 | 3.66 | BS&D UTE | 0.64 |
| PAYMASTER HS 26 | 20.43 | BS&D TEJAS | 3.61 | TAMCOT SPHINX | 0.64 |
| TAMCOT SPHINX | 20.30 | HOLLAND 186 | 3.61 | HOLLAND 186 | 0.59 |
| ACALA MAXXA | 19.74 | STV LA 887 | 3.61 | SG 125 | 0.59 |
| SOUTHLAND 400 | 19.12 | SG 125 | 3.60 | ACALA MAXXA | 0.55 |
| STV LA 887 | 18.92 | PAYMASTER HS 26 | 3.57 | PAYMASTER PM 183 | 0.54 |
| SG 125 | 18.04 | ALL TEX ATLAS | 3.56 | SOUTHLAND 400 | 0.50 |
| LSD | 1.39 | LSD | 0.20 | LSD | 0.13 |

1997 NATIONAL COTTON VARIETY TEST

1997 PLAINS REGION RESULTS

SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|-----------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| ALTUS, OK (IRR) | 905 | 5.89 | 36.5 | 10.5 | 136 | 1.08 | 0.55 | 215 |
| CHICKASHA, OK (DRY) | 872 | 6.53 | 38.1 | 12.2 | . | . | . | . |
| TIPTON, OK | 803 | 5.98 | 36.0 | 11.8 | 137 | 1.09 | 0.57 | 222 |
| CHILLICOTHE, TX (DRY) | 448 | . | . | . | . | . | . | . |
| LAMESA, TX (DRY) | 409 | . | . | . | . | . | . | . |
| LUBBOCK, TX (IRR) | 312 | 5.30 | 34.1 | 12.3 | 136 | 1.11 | 0.58 | 239 |

| LOCATION | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-----------------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| ALTUS, OK (IRR) | 8.55 | 4.05 | 1.08 | 83.1 | 28.9 | 9.6 | 71.2 | 7.4 | 3.85 | 1522 |
| CHICKASHA, OK (DRY) | . | . | . | . | . | . | . | . | . | 1448 |
| TIPTON, OK | 8.09 | 4.99 | 1.08 | 83.8 | 32.5 | 10.1 | 69.6 | 7.1 | 4.92 | 1431 |
| CHILLICOTHE, TX (DRY) | . | . | . | . | . | . | . | . | . | . |
| LAMESA, TX (DRY) | . | . | . | . | . | . | . | . | . | . |
| LUBBOCK, TX (IRR) | 11.0 | 5.00 | 1.10 | 84.6 | 30.0 | 11.0 | 76.0 | 9.9 | 4.80 | 763 |

1997 National Cotton Variety Test

| LOCATION | OIL | OGEN | GOSSYPOL | A | D | I | M | p | w | t |
|-----------------------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| ALTUS, OK (IRR) | 19.53 | 3.69 | 0.57 | 527 | 44.3 | 2.02 | 73.50 | 48.35 | 3.57 | 2.2 |
| CHICKASHA, OK (DRY) | . | . | . | . | . | . | . | . | . | . |
| TIPTON, OK | 20.68 | 3.68 | 0.65 | 422 | 26.2 | 1.68 | 85.75 | 50.29 | 4.64 | 2.9 |
| CHILLICOTHE, TX (DRY) | . | . | . | . | . | . | . | . | . | . |
| LAMESA, TX (DRY) | . | . | . | . | . | . | . | . | . | . |
| LUBBOCK, TX (IRR) | 20.10 | 3.63 | 0.73 | 421 | 24.5 | 1.65 | 87.00 | 49.18 | 4.51 | 2.9 |

1997 NATIONAL COTTON VARIETY TEST

1997 PLAINS SUB-REGION (11) RESULTS

VARIETIES COMBINED OVER SUB-REGION LOCATIONS INCLUDING: LAMESA AND LUBBOCK, TX

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 | 50 |
|-------|------------------|------------|-----------|---------|-------|----------|------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. | S.L. |
| 1020 | HOLLAND 186 | 474 | 4.93 | 35.0 | 11.9 | 129 | 1.12 | 0.55 |
| 1018 | TAMCOT SPHINX | 462 | 4.70 | 35.8 | 11.4 | 137 | 1.11 | 0.54 |
| 578 | PAYMASTER HS 26 | 419 | 5.08 | 33.2 | 11.9 | 133 | 1.11 | 0.57 |
| 893 | STV LA 887 | 404 | 4.83 | 34.0 | 11.4 | 135 | 1.14 | 0.57 |
| 1021 | BS&D TEJAS | 400 | 4.98 | 35.1 | 11.8 | 126 | 1.07 | 0.55 |
| 1022 | BS&D UTE | 378 | 4.50 | 37.5 | 11.0 | 138 | 1.11 | 0.55 |
| 1019 | ALL TEX ATLAS | 377 | 5.23 | 32.8 | 11.8 | 130 | 1.10 | 0.56 |
| 906 | SOUTHLAND 400 | 376 | 5.08 | 33.4 | 11.3 | 135 | 1.09 | 0.53 |
| 1023 | PAYMASTER PM 183 | 329 | 4.63 | 33.9 | 11.3 | 111 | 1.01 | 0.53 |
| 953 | SG 125 | 256 | 3.85 | 34.8 | 10.3 | 122 | 1.12 | 0.55 |
| 773 | ACALA MAXXA | 233 | 4.25 | 35.5 | 11.4 | 158 | 1.16 | 0.57 |
| . | LSD | 154 | 0.51 | 4.5 | 0.6 | 6 | 0.03 | 0.02 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 | STRN (g/tex) | E | RD | HUNTERS | | SEED YIELD (LB/AC) | |
|-------|--------------|------|------------|------|-----------------|------|------|---------|-----|-----------------------|---------|
| | | | | S.L. | | | | UNIF | b | | READING |
| 1020 | 209 | 8.78 | 4.65 | 1.13 | 82.7 | 29.0 | 9.9 | 78.3 | 8.8 | 4.50 | 970 |
| 1018 | 222 | 7.08 | 5.23 | 1.10 | 83.4 | 31.3 | 9.8 | 77.0 | 9.1 | 5.10 | 842 |
| 578 | 232 | 10.5 | 5.03 | 1.10 | 83.6 | 31.0 | 10.3 | 77.5 | 9.1 | 4.90 | 744 |
| 893 | 223 | 9.13 | 4.30 | 1.13 | 83.5 | 31.5 | 10.0 | 75.8 | 9.9 | 4.23 | 881 |
| 1021 | 223 | 10.8 | 5.15 | 1.00 | 83.6 | 31.3 | 10.0 | 77.0 | 9.0 | 5.08 | 745 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|-----|------|-----|
| 1022 | 219 | 7.75 | 4.58 | 1.10 | 82.5 | 31.0 | 9.7 | 78.3 | 8.9 | 4.48 | 575 |
| 1019 | 222 | 9.45 | 4.95 | 1.10 | 83.6 | 31.0 | 10.3 | 78.0 | 8.8 | 4.88 | 940 |
| 906 | 221 | 7.00 | 4.88 | 1.08 | 82.2 | 32.5 | 9.9 | 77.5 | 9.3 | 4.85 | 758 |
| 1023 | 200 | 7.08 | 5.33 | 0.98 | 81.9 | 29.3 | 9.9 | 77.8 | 9.3 | 5.30 | 682 |
| 953 | 209 | 10.1 | 4.45 | 1.10 | 83.1 | 26.5 | 9.9 | 76.5 | 9.7 | 4.33 | 458 |
| 773 | 248 | 7.03 | 3.95 | 1.18 | 84.2 | 33.5 | 9.6 | 78.3 | 9.1 | 3.85 | 424 |
| . | . | 0.94 | 0.44 | 0.05 | 0.8 | 1.3 | 0.4 | 2.0 | 0.8 | 0.30 | 339 |

| VCODE | OIL | NITROGEN | FREE | A | D | I | M | p | w | t |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | | | | | | | |
| 1020 | 21.49 | 3.64 | 0.65 | . | . | . | . | . | . | . |
| 1018 | 21.20 | 3.95 | 0.57 | . | . | . | . | . | . | . |
| 578 | 20.81 | 3.62 | 0.69 | 419 | 23.8 | 1.64 | 88.00 | 48.95 | 4.52 | 3.0 |
| 893 | 18.81 | 3.41 | 0.74 | 463 | 27.4 | 1.71 | 85.25 | 46.33 | 3.88 | 2.7 |
| 1021 | 21.57 | 3.66 | 0.70 | . | . | . | . | . | . | . |
| 1022 | 21.04 | 3.73 | 0.65 | . | . | . | . | . | . | . |
| 1019 | 21.10 | 3.65 | 0.67 | . | . | . | . | . | . | . |
| 906 | 20.45 | 3.79 | 0.54 | . | . | . | . | . | . | . |
| 1023 | 21.07 | 3.70 | 0.57 | . | . | . | . | . | . | . |
| 953 | 17.84 | 3.61 | 0.58 | 458 | 32.6 | 1.81 | 81.25 | 49.71 | 4.20 | 2.6 |
| 773 | 19.19 | 3.92 | 0.46 | 497 | 37.8 | 1.91 | 77.75 | 48.13 | 3.75 | 2.4 |
| . | 1.94 | 0.30 | 0.23 | 52.4 | 12.8 | 0.25 | 9.43 | 1.72 | 0.37 | 0.4 |

1997 NATIONAL COTTON VARIETY TEST

1997 PLAINS SUB-REGION (12) RESULTS

VARIETIES COMBINED OVER SUB-REGION LOCATIONS INCLUDING: ALTUS, CHICKASHA, TIPTON, OK
and CHILLOCOTHE, TX

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 | 50 |
|-------|------------------|------------|-----------|---------|-------|----------|------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. | S.L. |
| 1018 | TAMCOT SPHINX | 841 | 5.88 | 37.5 | 11.3 | 143 | 1.09 | 0.57 |
| 1023 | PAYMASTER PM 183 | 815 | 6.00 | 35.6 | 11.4 | 115 | 0.99 | 0.54 |
| 1019 | ALL TEX ATLAS | 810 | 6.43 | 35.4 | 12.0 | 136 | 1.09 | 0.56 |
| 578 | PAYMASTER HS 26 | 803 | 6.38 | 36.2 | 11.9 | 133 | 1.08 | 0.57 |
| 1021 | BS&D TEJAS | 801 | 5.93 | 36.1 | 11.6 | 127 | 1.04 | 0.56 |

1997 National Cotton Variety Test

| | | | | | | | | |
|------|---------------|-----|------|------|------|-----|------|------|
| 953 | SG 125 | 780 | 5.57 | 39.1 | 10.6 | 121 | 1.12 | 0.57 |
| 1022 | BS&D UTE | 774 | 5.60 | 37.3 | 10.5 | 145 | 1.10 | 0.56 |
| 1020 | HOLLAND 186 | 734 | 6.53 | 36.0 | 11.7 | 135 | 1.10 | 0.57 |
| 893 | STV LA 887 | 674 | 6.25 | 38.6 | 11.6 | 147 | 1.17 | 0.58 |
| 906 | SOUTHLAND 400 | 667 | 6.37 | 34.4 | 12.2 | 142 | 1.05 | 0.55 |
| 773 | ACALA MAXXA | 622 | 5.98 | 40.0 | 12.2 | 158 | 1.14 | 0.57 |
| . | LSD | 97 | 0.33 | 0.7 | 0.6 | 8 | 0.04 | 0.03 |

| VCODE | T1 | E1 | MICRONAIRE | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC | SEED YIELD |
|-------|--------|------|------------|------|------|---------|------|------|-----------|------|------------|
| | mN/tex | | | S.L. | | (g/tex) | | | b READING | | (LB/AC) |
| 1018 | 228 | 7.33 | 4.85 | 1.10 | 84.1 | 30.8 | 9.7 | 68.5 | 7.2 | 4.75 | 1531 |
| 1023 | 201 | 7.33 | 5.20 | 1.00 | 81.7 | 30.0 | 9.8 | 69.0 | 8.1 | 5.03 | 1703 |
| 1019 | 217 | 9.08 | 4.73 | 1.10 | 83.6 | 31.0 | 10.3 | 71.3 | 7.3 | 4.55 | 1642 |
| 578 | 227 | 9.58 | 4.60 | 1.08 | 83.6 | 32.3 | 10.3 | 70.0 | 7.1 | 4.45 | 1532 |
| 1021 | 213 | 9.33 | 4.95 | 1.00 | 82.4 | 30.3 | 10.0 | 68.3 | 7.2 | 4.88 | 1520 |
| 953 | 186 | 9.78 | 4.40 | 1.10 | 84.0 | 26.3 | 10.0 | 71.0 | 7.5 | 4.28 | 1439 |
| 1022 | 225 | 7.50 | 4.40 | 1.10 | 83.5 | 30.8 | 9.4 | 72.0 | 7.0 | 4.23 | 1424 |
| 1020 | 214 | 8.78 | 4.38 | 1.10 | 83.8 | 30.5 | 10.0 | 72.5 | 7.3 | 4.30 | 1395 |
| 893 | 224 | 8.58 | 4.23 | 1.15 | 84.4 | 30.8 | 9.8 | 70.0 | 7.9 | 3.98 | 1167 |
| 906 | 221 | 7.20 | 4.45 | 1.08 | 82.8 | 31.8 | 9.5 | 70.8 | 7.4 | 4.30 | 1481 |
| 773 | 239 | 7.53 | 3.98 | 1.10 | 84.1 | 32.3 | 9.4 | 69.0 | 7.0 | 3.75 | 1055 |
| . | . | 1.12 | 0.43 | 0.06 | 1.4 | 2.0 | 0.6 | 1.8 | 0.5 | 0.39 | 270 |

| VCODE | OIL | NITROGEN | FREE | A | D | I | M | p | w | t |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | | | | | | | |
| 1018 | 20.18 | 3.88 | 0.66 | . | . | . | . | . | . | . |
| 1023 | 20.70 | 3.74 | 0.52 | . | . | . | . | . | . | . |
| 1019 | 21.11 | 3.59 | 0.67 | . | . | . | . | . | . | . |
| 578 | 20.66 | 3.54 | 0.66 | 431 | 32.0 | 1.80 | 81.75 | 52.43 | 4.75 | 2.8 |
| 1021 | 21.45 | 3.63 | 0.74 | . | . | . | . | . | . | . |
| 953 | 18.33 | 3.65 | 0.60 | 470 | 36.4 | 1.87 | 79.25 | 50.14 | 4.24 | 2.6 |
| 1022 | 20.36 | 3.69 | 0.63 | . | . | . | . | . | . | . |
| 1020 | 20.64 | 3.65 | 0.56 | . | . | . | . | . | . | . |
| 893 | 18.61 | 3.60 | 0.68 | 477 | 34.3 | 1.84 | 80.50 | 48.51 | 4.02 | 2.6 |
| 906 | 19.54 | 3.70 | 0.52 | . | . | . | . | . | . | . |
| 773 | 19.72 | 3.94 | 0.55 | 496 | 32.8 | 1.80 | 81.50 | 45.55 | 3.60 | 2.5 |
| . | 1.34 | 0.19 | 0.12 | 54.6 | 11.2 | 0.20 | 7.93 | 3.71 | 0.64 | 0.3 |

1997 NATIONAL COTTON VARIETY TEST
 1997 PLAINS REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=LUBBOCK, TX (IRR)

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 1018 | TAMCOT SPHINX | 425 | 4.75 | 37.4 | 11.7 | 133 | 1.09 |
| 1020 | HOLLAND 186 | 418 | 5.00 | 33.9 | 12.1 | 129 | 1.11 |
| 578 | PAYMASTER HS 26 | 412 | 5.15 | 33.9 | 12.1 | 133 | 1.11 |
| 906 | SOUTHLAND 400 | 410 | 5.30 | 34.7 | 11.6 | 132 | 1.07 |
| 893 | STV LA 887 | 385 | 4.75 | 33.2 | 11.4 | 135 | 1.13 |
| 1021 | BS&D TEJAS | 379 | 5.05 | 34.2 | 12.2 | 125 | 1.08 |
| 1022 | BS&D UTE | 328 | 4.70 | 34.0 | 11.1 | 135 | 1.10 |
| 1019 | ALL TEX ATLAS | 319 | 5.50 | 34.3 | 12.2 | 126 | 1.11 |
| 1023 | PAYMASTER PM 183 | 283 | 4.85 | 34.8 | 11.4 | 111 | 1.01 |
| 773 | ACALA MAXXA | 174 | 4.00 | 35.0 | 11.1 | 156 | 1.15 |
| 953 | SG 125 | 90 | 3.75 | 34.2 | 10.2 | 122 | 1.11 |
| . | LSD | 102 | 0.80 | 2.1 | 1.3 | 10 | 0.02 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 1018 | 0.54 | 214 | 6.90 | 5.20 | 1.10 | 83.3 | 30.5 | 9.9 | 76.0 | 9.7 | 5.10 |
| 1020 | 0.54 | 204 | 8.65 | 4.45 | 1.15 | 82.4 | 29.0 | 10.0 | 77.5 | 9.2 | 4.30 |
| 578 | 0.57 | 233 | 11.0 | 5.00 | 1.10 | 84.3 | 30.5 | 10.5 | 76.0 | 10.0 | 4.80 |
| 906 | 0.53 | 213 | 6.75 | 5.00 | 1.05 | 82.0 | 32.0 | 9.8 | 77.0 | 9.6 | 4.85 |
| 893 | 0.56 | 215 | 8.75 | 4.05 | 1.10 | 83.3 | 31.0 | 9.9 | 73.5 | 11.0 | 4.00 |
| 1021 | 0.56 | 217 | 10.5 | 5.15 | 1.00 | 83.7 | 31.0 | 10.0 | 76.5 | 9.6 | 5.05 |
| 1022 | 0.55 | 214 | 7.50 | 4.60 | 1.10 | 82.7 | 30.5 | 9.7 | 77.5 | 9.4 | 4.45 |
| 1019 | 0.57 | 216 | 9.65 | 5.15 | 1.10 | 83.6 | 30.5 | 10.5 | 78.0 | 9.3 | 4.95 |
| 1023 | 0.53 | 199 | 6.90 | 5.45 | 0.95 | 82.0 | 30.0 | 10.0 | 77.5 | 9.5 | 5.30 |
| 773 | 0.57 | 247 | 7.40 | 3.75 | 1.15 | 84.0 | 33.0 | 9.6 | 77.5 | 9.7 | 3.70 |
| 953 | 0.55 | 207 | 9.75 | 4.40 | 1.10 | 83.0 | 26.5 | 9.9 | 76.0 | 10.5 | 4.30 |
| . | 0.03 | . | 0.99 | 0.25 | 0.10 | 1.0 | 1.1 | 0.6 | 2.6 | 1.1 | 0.27 |

| V CODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|--------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 1018 | 688 | 21.86 | 4.11 | 0.52 | . | . | . | . | . | . | . |
| 1020 | 884 | 22.19 | 3.74 | 0.74 | . | . | . | . | . | . | . |
| 578 | 692 | 20.67 | 3.62 | 0.73 | 421 | 23.5 | 1.63 | 88.00 | 48.58 | 4.46 | 3.0 |
| 906 | 824 | 21.02 | 3.84 | 0.68 | . | . | . | . | . | . | . |
| 893 | 906 | 18.74 | 3.49 | 0.77 | 488 | 32.3 | 1.81 | 81.50 | 46.52 | 3.69 | 2.5 |
| 1021 | 717 | 22.22 | 3.77 | 0.79 | . | . | . | . | . | . | . |
| 1022 | 635 | 21.51 | 3.79 | 0.71 | . | . | . | . | . | . | . |
| 1019 | 744 | 22.06 | 3.78 | 0.65 | . | . | . | . | . | . | . |
| 1023 | 606 | 21.54 | 3.98 | 0.67 | . | . | . | . | . | . | . |
| 773 | 321 | 17.92 | 3.89 | 0.38 | 515 | 43.0 | 2.00 | 74.00 | 48.74 | 3.66 | 2.3 |
| 953 | 174 | 18.07 | 3.56 | 0.69 | 460 | 33.3 | 1.83 | 81.00 | 49.91 | 4.20 | 2.6 |
| . | 248 | 1.09 | 0.21 | 0.07 | 21.9 | 19.6 | 0.35 | 12.38 | 7.83 | 0.58 | 0.1 |

LOCATION=LAMESA, TX (DRY)

| V CODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 |
|--------|------------------|------------|-----------|---------|-------|----------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. |
| 1020 | HOLLAND 186 | 530 | 4.85 | 36.2 | 11.8 | 129 | 1.13 |
| 1018 | TAMCOT SPHINX | 500 | 4.65 | 34.3 | 11.2 | 141 | 1.12 |
| 1019 | ALL TEX ATLAS | 435 | 4.95 | 31.4 | 11.5 | 135 | 1.09 |
| 1022 | BS&D UTE | 427 | 4.30 | 40.9 | 11.0 | 142 | 1.12 |
| 578 | PAYMASTER HS 26 | 425 | 5.00 | 32.5 | 11.7 | 134 | 1.11 |
| 893 | STV LA 887 | 423 | 4.90 | 34.9 | 11.4 | 136 | 1.15 |
| 1021 | BS&D TEJAS | 422 | 4.90 | 36.0 | 11.5 | 127 | 1.06 |
| 953 | SG 125 | 421 | 3.95 | 35.5 | 10.3 | 122 | 1.13 |
| 1023 | PAYMASTER PM 183 | 374 | 4.40 | 33.0 | 11.2 | 110 | 1.01 |
| 906 | SOUTHLAND 400 | 342 | 4.85 | 32.1 | 11.1 | 138 | 1.11 |
| 773 | ACALA MAXXA | 293 | 4.50 | 35.9 | 11.7 | 160 | 1.17 |
| . | LSD | 110 | 0.99 | 4.6 | 1.2 | 14 | 0.01 |

| V CODE | 50 | T1 | MICRO | 2.5 | STRN | HUNTERS | RD | HUNTERS | RD | HUNTERS | MIC |
|--------|------|--------|-------|------|------|---------|------|---------|------|---------|------|
| | S.L. | mN/tex | | E1 | | | | | | | |
| 1020 | 0.55 | 215 | 8.90 | 4.85 | 1.10 | 83.0 | 29.0 | 9.8 | 79.0 | 8.5 | 4.70 |
| 1018 | 0.55 | 231 | 7.25 | 5.25 | 1.10 | 83.6 | 32.0 | 9.8 | 78.0 | 8.6 | 5.10 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|------|-----|------|------|------|------|------|------|------|-----|------|
| 1019 | 0.55 | 228 | 9.25 | 4.75 | 1.10 | 83.6 | 31.5 | 10.0 | 78.0 | 8.3 | 4.80 |
| 1022 | 0.55 | 225 | 8.00 | 4.55 | 1.10 | 82.3 | 31.5 | 9.7 | 79.0 | 8.5 | 4.50 |
| 578 | 0.57 | 230 | 10.0 | 5.05 | 1.10 | 83.0 | 31.5 | 10.0 | 79.0 | 8.2 | 5.00 |
| 893 | 0.57 | 231 | 9.50 | 4.55 | 1.15 | 83.7 | 32.0 | 10.0 | 78.0 | 8.9 | 4.45 |
| 1021 | 0.55 | 230 | 11.0 | 5.15 | 1.00 | 83.5 | 31.5 | 10.0 | 77.5 | 8.4 | 5.10 |
| 953 | 0.56 | 211 | 10.5 | 4.50 | 1.10 | 83.3 | 26.5 | 10.0 | 77.0 | 8.8 | 4.35 |
| 1023 | 0.53 | 201 | 7.25 | 5.20 | 1.00 | 81.9 | 28.5 | 9.8 | 78.0 | 9.1 | 5.30 |
| 906 | 0.54 | 229 | 7.25 | 4.75 | 1.10 | 82.4 | 33.0 | 10.0 | 78.0 | 8.9 | 4.85 |
| 773 | 0.56 | 250 | 6.65 | 4.15 | 1.20 | 84.4 | 34.0 | 9.6 | 79.0 | 8.6 | 4.00 |
| . | 0.02 | . | 0.94 | 0.38 | 0.05 | 0.9 | 1.5 | 0.2 | 1.4 | 0.4 | 0.38 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 1020 | 1056 | 20.80 | 3.54 | 0.56 | . | . | . | . | . | . | . |
| 1018 | 995 | 20.54 | 3.78 | 0.63 | . | . | . | . | . | . | . |
| 1019 | 1136 | 20.14 | 3.53 | 0.69 | . | . | . | . | . | . | . |
| 1022 | 515 | 20.56 | 3.66 | 0.60 | . | . | . | . | . | . | . |
| 578 | 797 | 20.95 | 3.62 | 0.65 | 417 | 24.0 | 1.64 | 88.00 | 49.33 | 4.58 | 3.0 |
| 893 | 856 | 18.89 | 3.34 | 0.70 | 438 | 22.5 | 1.61 | 89.00 | 46.15 | 4.08 | 2.9 |
| 1021 | 774 | 20.92 | 3.55 | 0.62 | . | . | . | . | . | . | . |
| 953 | 742 | 17.61 | 3.67 | 0.48 | 456 | 32.0 | 1.80 | 81.50 | 49.51 | 4.20 | 2.7 |
| 1023 | 757 | 20.61 | 3.42 | 0.47 | . | . | . | . | . | . | . |
| 906 | 692 | 19.89 | 3.75 | 0.40 | . | . | . | . | . | . | . |
| 773 | 528 | 20.47 | 3.96 | 0.55 | 479 | 32.5 | 1.81 | 81.50 | 47.53 | 3.84 | 2.6 |
| . | 274 | 1.35 | 0.26 | 0.09 | 54.9 | 12.8 | 0.26 | 9.41 | 5.10 | 0.74 | 0.4 |

LOCATION=ALTUS, OK (IRR)

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 |
|-------|------------------|------------|-----------|---------|-------|----------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. |
| 1023 | PAYMASTER PM 183 | 1132 | 5.80 | 35.4 | 10.9 | 117 | 1.00 |
| 1018 | TAMCOT SPHINX | 1020 | 5.65 | 36.5 | 10.7 | 143 | 1.08 |
| 1019 | ALL TEX ATLAS | 985 | 6.20 | 35.4 | 11.2 | 136 | 1.09 |
| 578 | PAYMASTER HS 26 | 980 | 6.40 | 36.1 | 11.1 | 135 | 1.10 |
| 953 | SG 125 | 927 | 5.20 | 38.4 | 9.4 | 121 | 1.13 |
| 1021 | BS&D TEJAS | 902 | 5.75 | 35.8 | 10.9 | 125 | 1.01 |
| 1022 | BS&D UTE | 872 | 5.30 | 37.4 | 9.3 | 144 | 1.11 |
| 1020 | HOLLAND 186 | 854 | 6.10 | 35.4 | 10.6 | 133 | 1.08 |
| 906 | SOUTHLAND 400 | 816 | 6.15 | 34.6 | 11.1 | 137 | 1.04 |

1997 National Cotton Variety Test

| | | | | | | | |
|-----|-------------|-----|------|------|------|-----|------|
| 773 | ACALA MAXXA | 745 | 5.95 | 39.8 | 10.7 | 153 | 1.13 |
| 893 | STV LA 887 | 727 | 5.80 | 38.4 | 10.2 | 144 | 1.17 |
| . | LSD | 77 | 0.55 | 0.9 | 0.6 | 6 | 0.05 |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC |
|-------|------|--------|------|-------|------|------|---------|------|------|-----------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | |
| 1023 | 0.55 | 194 | 7.90 | 4.85 | 1.00 | 82.0 | 29.0 | 9.8 | 69.5 | 8.0 | 4.60 |
| 1018 | 0.56 | 227 | 7.65 | 4.50 | 1.10 | 83.6 | 28.0 | 9.3 | 69.5 | 7.4 | 4.25 |
| 1019 | 0.57 | 217 | 8.90 | 4.35 | 1.10 | 83.5 | 29.0 | 10.0 | 71.5 | 7.6 | 4.10 |
| 578 | 0.57 | 226 | 9.15 | 4.20 | 1.10 | 83.6 | 30.5 | 10.0 | 71.5 | 7.3 | 3.95 |
| 953 | 0.56 | 181 | 9.65 | 3.60 | 1.10 | 83.0 | 25.5 | 10.0 | 71.5 | 7.6 | 3.40 |
| 1021 | 0.55 | 212 | 8.90 | 4.60 | 1.00 | 82.1 | 28.0 | 10.0 | 70.0 | 7.2 | 4.45 |
| 1022 | 0.56 | 221 | 7.75 | 4.00 | 1.10 | 82.6 | 29.0 | 9.1 | 73.5 | 6.8 | 3.70 |
| 1020 | 0.55 | 208 | 8.55 | 3.80 | 1.10 | 83.5 | 29.0 | 9.9 | 73.5 | 7.4 | 3.75 |
| 906 | 0.53 | 222 | 7.40 | 4.00 | 1.10 | 82.5 | 30.0 | 9.1 | 72.0 | 7.5 | 3.75 |
| 773 | 0.55 | 225 | 8.05 | 3.45 | 1.10 | 84.1 | 29.5 | 8.9 | 70.0 | 7.3 | 3.25 |
| 893 | 0.57 | 211 | 8.90 | 3.70 | 1.10 | 83.2 | 29.0 | 9.6 | 70.0 | 8.2 | 3.40 |
| . | 0.04 | . | 1.12 | 0.43 | . | 1.9 | 1.8 | 0.2 | 1.8 | 0.6 | 0.45 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 1023 | 2012 | 20.84 | 3.72 | 0.50 | . | . | . | . | . | . | . |
| 1018 | 1847 | 19.64 | 3.85 | 0.60 | . | . | . | . | . | . | . |
| 1019 | 1765 | 20.65 | 3.60 | 0.58 | . | . | . | . | . | . | . |
| 578 | 1553 | 19.66 | 3.43 | 0.63 | 472 | 39.3 | 1.94 | 76.50 | 51.62 | 4.23 | 2.5 |
| 953 | 1452 | 17.68 | 3.70 | 0.62 | 540 | 48.8 | 2.10 | 70.50 | 48.88 | 3.51 | 2.2 |
| 1021 | 1554 | 21.18 | 3.70 | 0.66 | . | . | . | . | . | . | . |
| 1022 | 1349 | 19.73 | 3.77 | 0.56 | . | . | . | . | . | . | . |
| 1020 | 1453 | 19.91 | 3.65 | 0.50 | . | . | . | . | . | . | . |
| 906 | 1536 | 19.27 | 3.70 | 0.52 | . | . | . | . | . | . | . |
| 773 | 1087 | 19.40 | 3.83 | 0.58 | 555 | 44.5 | 2.03 | 73.00 | 45.94 | 3.20 | 2.1 |
| 893 | 1169 | 17.12 | 3.65 | 0.63 | 534 | 42.8 | 2.00 | 74.50 | 47.06 | 3.41 | 2.2 |
| . | 274 | 0.91 | 0.21 | 0.11 | 29.0 | 13.3 | 0.23 | 8.93 | 3.59 | 0.26 | 0.1 |

LOCATION=CHICKASHA, OK (DRY)

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 |
|-------|---------|------------|-----------|---------|-------|----------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. |

1997 National Cotton Variety Test

| | | | | | | | | | | | | |
|-----|------|---|---|---|---|---|---|---|---|---|---|---|
| 773 | 1220 | . | . | . | . | . | . | . | . | . | . | . |
| 906 | 1528 | . | . | . | . | . | . | . | . | . | . | . |
| . | 287 | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=CHILLICOTHE, TX (DRY)

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 1018 | TAMCOT SPHINX | 559 | . | . | . | . | . |
| 1021 | BS&D TEJAS | 528 | . | . | . | . | . |
| 1019 | ALL TEX ATLAS | 517 | . | . | . | . | . |
| 1023 | PAYMASTER PM 183 | 511 | . | . | . | . | . |
| 578 | PAYMASTER HS 26 | 502 | . | . | . | . | . |
| 1020 | HOLLAND 186 | 469 | . | . | . | . | . |
| 1022 | BS&D UTE | 460 | . | . | . | . | . |
| 953 | SG 125 | 363 | . | . | . | . | . |
| 773 | ACALA MAXXA | 356 | . | . | . | . | . |
| 906 | SOUTHLAND 400 | 352 | . | . | . | . | . |
| 893 | STV LA 887 | 294 | . | . | . | . | . |
| . | LSD | 57 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|----|----------------|-------------|------|-----------------|---|----|----------------------|-----|
| 1018 | . | . | . | . | . | . | . | . | . | . | . |
| 1021 | . | . | . | . | . | . | . | . | . | . | . |
| 1019 | . | . | . | . | . | . | . | . | . | . | . |
| 1023 | . | . | . | . | . | . | . | . | . | . | . |
| 578 | . | . | . | . | . | . | . | . | . | . | . |
| 1020 | . | . | . | . | . | . | . | . | . | . | . |
| 1022 | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| 906 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|

| | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|---|---|
| 1018 | . | . | . | . | . | . | . | . | . | . | . | . |
| 1021 | . | . | . | . | . | . | . | . | . | . | . | . |
| 1019 | . | . | . | . | . | . | . | . | . | . | . | . |
| 1023 | . | . | . | . | . | . | . | . | . | . | . | . |
| 578 | . | . | . | . | . | . | . | . | . | . | . | . |
| 1020 | . | . | . | . | . | . | . | . | . | . | . | . |
| 1022 | . | . | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . | . |
| 906 | . | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=TIPTON, OK

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 953 | SG 125 | 961 | 5.45 | 38.5 | 11.0 | 122 | 1.11 |
| 1018 | TAMCOT SPHINX | 880 | 5.65 | 37.1 | 11.3 | 142 | 1.10 |
| 1022 | BS&D UTE | 869 | 5.65 | 35.8 | 11.2 | 146 | 1.10 |
| 1019 | ALL TEX ATLAS | 849 | 6.40 | 34.5 | 12.3 | 135 | 1.08 |
| 578 | PAYMASTER HS 26 | 833 | 6.30 | 35.1 | 12.4 | 131 | 1.06 |
| 1021 | BS&D TEJAS | 828 | 5.80 | 35.6 | 11.9 | 129 | 1.06 |
| 893 | STV LA 887 | 818 | 6.35 | 37.6 | 12.0 | 150 | 1.17 |
| 1020 | HOLLAND 186 | 771 | 6.55 | 35.2 | 12.5 | 138 | 1.12 |
| 1023 | PAYMASTER PM 183 | 739 | 5.80 | 35.5 | 11.3 | 113 | 0.99 |
| 906 | SOUTHLAND 400 | 727 | 5.90 | 33.7 | 12.4 | 146 | 1.07 |
| 773 | ACALA MAXXA | 605 | 5.90 | 39.3 | 13.1 | 163 | 1.15 |
| . | LSD | 117 | 0.43 | 1.4 | 0.8 | 9 | 0.02 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 953 | 0.57 | 191 | 9.90 | 5.20 | 1.10 | 85.0 | 27.0 | 10.0 | 70.5 | 7.4 | 5.15 |
| 1018 | 0.59 | 230 | 7.00 | 5.20 | 1.10 | 84.6 | 33.5 | 10.0 | 67.5 | 7.0 | 5.25 |
| 1022 | 0.56 | 228 | 7.25 | 4.80 | 1.10 | 84.3 | 32.5 | 9.8 | 70.5 | 7.1 | 4.75 |
| 1019 | 0.56 | 218 | 9.25 | 5.10 | 1.10 | 83.7 | 33.0 | 10.5 | 71.0 | 7.0 | 5.00 |
| 578 | 0.57 | 228 | 10.0 | 5.00 | 1.05 | 83.6 | 34.0 | 10.5 | 68.5 | 6.9 | 4.95 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|------|-----|------|------|------|------|------|------|------|-----|------|
| 1021 | 0.57 | 213 | 9.75 | 5.30 | 1.00 | 82.7 | 32.5 | 10.0 | 66.5 | 7.3 | 5.30 |
| 893 | 0.58 | 237 | 8.25 | 4.75 | 1.20 | 85.6 | 32.5 | 10.0 | 70.0 | 7.6 | 4.55 |
| 1020 | 0.59 | 220 | 9.00 | 4.95 | 1.10 | 84.1 | 32.0 | 10.0 | 71.5 | 7.2 | 4.85 |
| 1023 | 0.54 | 208 | 6.75 | 5.55 | 1.00 | 81.4 | 31.0 | 9.9 | 68.5 | 8.2 | 5.45 |
| 906 | 0.57 | 221 | 7.00 | 4.90 | 1.05 | 83.2 | 33.5 | 9.9 | 69.5 | 7.4 | 4.85 |
| 773 | 0.60 | 254 | 7.00 | 4.50 | 1.10 | 84.2 | 35.0 | 9.9 | 68.0 | 6.8 | 4.25 |
| . | 0.03 | . | 0.80 | 0.34 | 0.07 | 2.2 | 3.0 | 0.7 | 2.1 | 0.6 | 0.26 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|------|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 953 | 1651 | 18.99 | 3.61 | 0.59 | 400 | 24.0 | 1.64 | 88.00 | 51.41 | 4.97 | 3.1 |
| 1018 | 1468 | 20.72 | 3.91 | 0.71 | . | . | . | . | . | . | . |
| 1022 | 1429 | 21.00 | 3.61 | 0.70 | . | . | . | . | . | . | . |
| 1019 | 1626 | 21.58 | 3.58 | 0.75 | . | . | . | . | . | . | . |
| 578 | 1520 | 21.66 | 3.64 | 0.69 | 391 | 24.8 | 1.66 | 87.00 | 53.25 | 5.28 | 3.2 |
| 1021 | 1371 | 21.73 | 3.56 | 0.83 | . | . | . | . | . | . | . |
| 893 | 1114 | 20.10 | 3.55 | 0.73 | 421 | 25.8 | 1.67 | 86.50 | 49.96 | 4.62 | 3.0 |
| 1020 | 1297 | 21.38 | 3.65 | 0.62 | . | . | . | . | . | . | . |
| 1023 | 1400 | 20.57 | 3.76 | 0.54 | . | . | . | . | . | . | . |
| 906 | 1379 | 19.81 | 3.70 | 0.53 | . | . | . | . | . | . | . |
| 773 | 858 | 20.04 | 4.04 | 0.51 | 438 | 21.0 | 1.58 | 90.00 | 45.17 | 3.99 | 2.9 |
| . | 500 | 1.12 | 0.20 | 0.08 | 70.7 | 10.9 | 0.24 | 9.96 | 3.55 | 0.90 | 0.6 |

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



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

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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 WESTERN REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 WESTERN REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 788 | ACALA 1517-91 | 1335 | 4.90 | 42.2 | 11.8 | 147 | 1.16 | 0.58 |
| 893 | STV LA 887 | 1226 | 4.67 | 44.2 | 9.9 | 130 | 1.15 | 0.56 |
| 953 | SG 125 | 1215 | 4.29 | 42.9 | 9.9 | 115 | 1.13 | 0.55 |
| 1012 | ACALA 1517-95 | 1164 | 4.57 | 39.1 | 11.1 | 139 | 1.16 | 0.57 |
| 756 | ACALA PREMA | 1024 | 5.70 | 41.1 | 11.3 | 163 | 1.17 | 0.59 |
| 773 | ACALA MAXXA | 1023 | 5.14 | 44.2 | 11.1 | 149 | 1.17 | 0.58 |
| 749 | ACALA GC 510 | 933 | 5.09 | 40.7 | 12.7 | 166 | 1.15 | 0.58 |
| 578 | PAYMASTER HS 26 | 928 | 4.71 | 39.1 | 10.6 | 123 | 1.07 | 0.54 |
| 778 | STONEVILLE 6025 | 579 | 3.60 | 37.3 | 11.2 | 128 | 1.15 | 0.55 |
| . | LSD | 221 | 0.36 | 1.8 | 1.2 | 10 | 0.04 | 0.02 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) | |
|-------|--------------|------|------------|-------------|-----------------|------|------|----------------------|-----|-----------------------|------|
| 788 | 233 | 7.60 | 4.43 | 1.20 | 86.1 | 32.5 | 9.9 | 74.0 | 9.2 | 3.95 | 1778 |
| 893 | 206 | 8.66 | 4.40 | 1.10 | 83.4 | 27.8 | 9.8 | 74.8 | 9.3 | 4.13 | 1445 |
| 953 | 180 | 9.98 | 4.74 | 1.10 | 83.8 | 25.5 | 10.0 | 76.5 | 9.2 | 4.45 | 1530 |
| 1012 | 221 | 8.05 | 4.40 | 1.15 | 84.1 | 30.5 | 9.6 | 74.3 | 9.0 | 4.00 | 1794 |
| 756 | 249 | 7.02 | 4.42 | 1.20 | 86.6 | 34.0 | 10.0 | 74.5 | 8.7 | 3.85 | 1636 |
| 773 | 232 | 7.67 | 4.35 | 1.15 | 85.8 | 31.5 | 9.7 | 75.5 | 8.9 | 3.75 | 1362 |
| 749 | 258 | 7.58 | 4.10 | 1.15 | 86.6 | 34.0 | 10.0 | 73.0 | 8.2 | 3.80 | 1591 |
| 578 | 204 | 10.1 | 4.86 | 1.05 | 83.1 | 29.0 | 9.9 | 75.5 | 8.4 | 4.80 | 1296 |
| 778 | 205 | 6.50 | 3.80 | 1.10 | 81.9 | 29.0 | 9.0 | 77.0 | 8.7 | 3.60 | 1067 |
| . | . | 0.95 | 0.38 | 0.07 | 1.7 | 1.7 | 0.7 | 1.2 | 0.8 | 0.57 | 419 |

FREE

| VCODE | OIL | NITROGEN | GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| 788 | 22.57 | 3.56 | 0.79 | . | . | . | . | . | . | . |
| 893 | 19.99 | 3.31 | 0.97 | 469 | 30.7 | 1.77 | 82.88 | 47.35 | 3.90 | 2.6 |
| 953 | 20.11 | 3.43 | 0.90 | 445 | 31.1 | 1.78 | 82.50 | 50.31 | 4.37 | 2.7 |
| 1012 | 21.72 | 3.43 | 0.79 | . | . | . | . | . | . | . |
| 756 | 22.85 | 3.46 | 0.59 | . | . | . | . | . | . | . |
| 773 | 21.04 | 3.89 | 0.69 | 473 | 29.6 | 1.75 | 83.67 | 46.35 | 3.78 | 2.6 |
| 749 | 22.67 | 3.50 | 0.47 | . | . | . | . | . | . | . |
| 578 | 22.08 | 3.33 | 0.90 | 425 | 24.5 | 1.65 | 87.58 | 48.73 | 4.44 | 2.9 |
| 778 | 22.68 | 3.12 | 0.88 | . | . | . | . | . | . | . |
| . | 1.15 | 0.16 | 0.09 | 26.2 | 8.9 | 0.17 | 6.91 | 3.35 | 0.29 | 0.2 |

1997 NATIONAL COTTON VARIETY TEST

1997 WESTERN REGION RESULTS

INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| SEED VARIETY VARIETY | BOLL SIZE 2.5 | | LINT | | | |
|-------------------------------|------------------|-----------------|---------|-----------------|-------|--------------|
| | (G/BOLL) S.L. | VARIETY | PERCENT | VARIETY | INDEX | |
| ACALA PREMA 91 1.20 | 5.70 | STV LA 887 | 44.2 | ACALA GC 510 | 12.7 | ACALA 1517- |
| ACALA MAXXA PREMA 1.20 | 5.14 | ACALA MAXXA | 44.2 | ACALA 1517-91 | 11.8 | ACALA |
| ACALA GC 510 510 1.15 | 5.09 | SG 125 | 42.9 | ACALA PREMA | 11.3 | ACALA GC |
| ACALA 1517-91 95 1.15 | 4.90 | ACALA 1517-91 | 42.2 | STONEVILLE 6025 | 11.2 | ACALA 1517- |
| PAYMASTER HS 26 MAXXA 1.15 | 4.71 | ACALA PREMA | 41.1 | ACALA 1517-95 | 11.1 | ACALA |
| STV LA 887 6025 1.10 | 4.67 | ACALA GC 510 | 40.7 | ACALA MAXXA | 11.1 | STONEVILLE |
| ACALA 1517-95 125 1.10 | 4.57 | ACALA 1517-95 | 39.1 | PAYMASTER HS 26 | 10.6 | SG |
| SG 125 887 1.10 | 4.29 | PAYMASTER HS 26 | 39.1 | SG 125 | 9.9 | STV LA |
| STONEVILLE 6025 26 1.05 | 3.60 | STONEVILLE 6025 | 37.3 | STV LA 887 | 9.9 | PAYMASTER HS |
| LSD | 0.36 | LSD | 1.8 | LSD | 1.2 | |
| LSD | 0.07 | | | | | |

| VARIETY VARIETY | UNIF MIC | VARIETY VARIETY | STRN (g/tex) | | E | |
|-----------------------|-------------|----------------------------------|-----------------|---------------|------|-----------------|
| | | | VARIETY RD | VARIETY | | |
| ACALA PREMA 4.80 | 86.6 | ACALA PREMA STONEVILLE 6025 | 34.0 | ACALA PREMA | 10.0 | PAYMASTER HS 26 |
| ACALA GC 510 4.45 | 86.6 | ACALA GC 510 SG 125 | 34.0 | ACALA GC 510 | 10.0 | SG 125 |
| ACALA 1517-91 4.13 | 86.1 | ACALA 1517-91 PAYMASTER HS 26 | 32.5 | SG 125 | 10.0 | STV LA 887 |
| ACALA MAXXA 4.00 | 85.8 | ACALA MAXXA ACALA MAXXA | 31.5 | ACALA 1517-91 | 9.9 | ACALA 1517-95 |

| | | | | | | |
|--------------------|------|-----------------|------|-----------------|-----|-----------------|
| ACALA 1517-95 | 84.1 | ACALA 1517-95 | 30.5 | PAYMASTER HS 26 | 9.9 | ACALA 1517-91 |
| 3.95 STV LA 887 | | 74.8 | | | | |
| SG 125 | 83.8 | PAYMASTER HS 26 | 29.0 | STV LA 887 | 9.8 | ACALA PREMA |
| 3.85 ACALA PREMA | | 74.5 | | | | |
| STV LA 887 | 83.4 | STONEVILLE 6025 | 29.0 | ACALA MAXXA | 9.7 | ACALA GC 510 |
| 3.80 ACALA 1517-95 | | 74.3 | | | | |
| PAYMASTER HS 26 | 83.1 | STV LA 887 | 27.8 | ACALA 1517-95 | 9.6 | ACALA MAXXA |
| 3.75 ACALA 1517-91 | | 74.0 | | | | |
| STONEVILLE 6025 | 81.9 | SG 125 | 25.5 | STONEVILLE 6025 | 9.0 | STONEVILLE 6025 |
| 3.60 ACALA GC 510 | | 73.0 | | | | |
| LSD | 1.7 | LSD | 1.7 | LSD | 0.7 | LSD |
| 0.57 LSD | | 1.2 | | | | |

HUNTERS

| MICRO VARIETY | b READING | VARIETY | NAIRE | T1 VARIETY | E1 | 50 |
|-----------------|-----------|----------------------|-------|-----------------|------|--------------|
| VARIETY | mn/tex | VARIETY | S.L. | VARIETY | | |
| STV LA 887 | 9.3 | PAYMASTER HS 26 | 4.86 | PAYMASTER HS 26 | 10.1 | ACALA GC |
| 510 258 | | ACALA PREMA 0.59 | | | | |
| SG 125 | 9.2 | SG 125 | 4.74 | SG 125 | 9.98 | ACALA |
| PREMA 249 | | ACALA MAXXA 0.58 | | | | |
| ACALA 1517-91 | 9.2 | ACALA 1517-91 | 4.43 | STV LA 887 | 8.66 | ACALA 1517- |
| 91 233 | | ACALA GC 510 0.58 | | | | |
| ACALA 1517-95 | 9.0 | ACALA PREMA | 4.42 | ACALA 1517-95 | 8.05 | ACALA |
| MAXXA 232 | | ACALA 1517-91 0.58 | | | | |
| ACALA MAXXA | 8.9 | STV LA 887 | 4.40 | ACALA MAXXA | 7.67 | ACALA 1517- |
| 95 221 | | ACALA 1517-95 0.57 | | | | |
| STONEVILLE 6025 | 8.7 | ACALA 1517-95 | 4.40 | ACALA 1517-91 | 7.60 | STV LA |
| 887 206 | | STV LA 887 0.56 | | | | |
| ACALA PREMA | 8.7 | ACALA MAXXA | 4.35 | ACALA GC 510 | 7.58 | STONEVILLE |
| 6025 205 | | STONEVILLE 6025 0.55 | | | | |
| PAYMASTER HS 26 | 8.4 | ACALA GC 510 | 4.10 | ACALA PREMA | 7.02 | PAYMASTER HS |
| 26 204 | | SG 125 0.55 | | | | |
| ACALA GC 510 | 8.2 | STONEVILLE 6025 | 3.80 | STONEVILLE 6025 | 6.50 | SG |
| 125 180 | | PAYMASTER HS 26 0.54 | | | | |
| LSD | 0.8 | LSD | 0.38 | LSD | 0.95 | |
| LSD | . | LSD | 0.02 | | | |

2.5

| YARN VARIETY | S.L. | VARIETY | TENACITY | VARIETY | A | |
|-----------------|------|---------------|----------|-----------------|-----|--------------|
| VARIETY | D | | | | | |
| ACALA PREMA | 1.17 | ACALA GC 510 | 166 | ACALA MAXXA | 473 | SG |
| 125 31.1 | | | | | | |
| ACALA MAXXA | 1.17 | ACALA PREMA | 163 | STV LA 887 | 469 | STV LA |
| 887 30.7 | | | | | | |
| ACALA 1517-91 | 1.16 | ACALA MAXXA | 149 | SG 125 | 445 | ACALA |
| MAXXA 29.6 | | | | | | |
| ACALA 1517-95 | 1.16 | ACALA 1517-91 | 147 | PAYMASTER HS 26 | 425 | PAYMASTER HS |
| 26 24.5 | | | | | | |
| STONEVILLE 6025 | 1.15 | ACALA 1517-95 | 139 | ACALA GC 510 | . | ACALA GC |
| 510 . | | | | | | |
| ACALA GC 510 | 1.15 | STV LA 887 | 130 | ACALA PREMA | . | ACALA |
| PREMA . | | | | | | |

| | | | | | | |
|-------------------------|------|-----------------|-----|-----------------|------|-------------|
| STV LA 887 91 | 1.15 | STONEVILLE 6025 | 128 | ACALA 1517-91 | . | ACALA 1517- |
| SG 125 95 | 1.13 | PAYMASTER HS 26 | 123 | ACALA 1517-95 | . | ACALA 1517- |
| PAYMASTER HS 26 6025 | 1.07 | SG 125 | 115 | STONEVILLE 6025 | . | STONEVILLE |
| LSD | 0.04 | LSD | 10 | LSD | 26.2 | |
| LSD | 8.9 | | | | | |

| VARIETY | I | VARIETY | M | VARIETY | P | |
|--------------------------|--------------|------------------------------------|--------------|-----------------|-------|--------------|
| VARIETY | w | VARIETY | t | | | |
| SG 125 26 | 1.78 4.44 | PAYMASTER HS 26 PAYMASTER HS 26 | 87.58 2.9 | SG 125 | 50.31 | PAYMASTER HS |
| STV LA 887 125 | 1.77 4.37 | ACALA MAXXA SG 125 | 83.67 2.7 | PAYMASTER HS 26 | 48.73 | SG |
| ACALA MAXXA 887 | 1.75 3.90 | STV LA 887 STV LA 887 | 82.88 2.6 | STV LA 887 | 47.35 | STV LA |
| PAYMASTER HS 26 MAXXA | 1.65 3.78 | SG 125 ACALA MAXXA | 82.50 2.6 | ACALA MAXXA | 46.35 | ACALA |
| ACALA GC 510 510 | . | ACALA GC 510 ACALA GC 510 | . | ACALA GC 510 | . | ACALA GC |
| ACALA PREMA PREMA | . | ACALA PREMA ACALA PREMA | . | ACALA PREMA | . | ACALA |
| ACALA 1517-91 91 | . | ACALA 1517-91 ACALA 1517-91 | . | ACALA 1517-91 | . | ACALA 1517- |
| ACALA 1517-95 95 | . | ACALA 1517-95 ACALA 1517-95 | . | ACALA 1517-95 | . | ACALA 1517- |
| STONEVILLE 6025 6025 | . | STONEVILLE 6025 STONEVILLE 6025 | . | STONEVILLE 6025 | . | STONEVILLE |
| LSD | 0.17 | LSD | 6.91 | LSD | 3.35 | |
| LSD | 0.29 | LSD | 0.2 | | | |

SEED YIELD

| NITR | FREE | | OIL | | OGEN | |
|--------------------------|--------------|-----------------|-------|-----------------|------|-------------|
| VARIETY | (LB/AC) | VARIETY | | VARIETY | | |
| VARIETY | GOSSYPOL | | | | | |
| ACALA 1517-95 887 | 1794 0.97 | ACALA PREMA | 22.85 | ACALA MAXXA | 3.89 | STV LA |
| ACALA 1517-91 HS 26 | 1778 0.90 | STONEVILLE 6025 | 22.68 | ACALA 1517-91 | 3.56 | PAYMASTER |
| ACALA PREMA 125 | 1636 0.90 | ACALA GC 510 | 22.67 | ACALA GC 510 | 3.50 | SG |
| ACALA GC 510 6025 | 1591 0.88 | ACALA 1517-91 | 22.57 | ACALA PREMA | 3.46 | STONEVILLE |
| SG 125 95 | 1530 0.79 | PAYMASTER HS 26 | 22.08 | ACALA 1517-95 | 3.43 | ACALA 1517- |
| STV LA 887 91 | 1445 0.79 | ACALA 1517-95 | 21.72 | SG 125 | 3.43 | ACALA 1517- |
| ACALA MAXXA MAXXA | 1362 0.69 | ACALA MAXXA | 21.04 | PAYMASTER HS 26 | 3.33 | ACALA |
| PAYMASTER HS 26 PREMA | 1296 0.59 | SG 125 | 20.11 | STV LA 887 | 3.31 | ACALA |
| STONEVILLE 6025 | 1067 | STV LA 887 | 19.99 | STONEVILLE 6025 | 3.12 | ACALA GC |

| | | | | | | | |
|-----|------|------|-----|------|-----|--|------|
| 510 | 0.47 | | | | | | |
| LSD | | 419 | LSD | 1.15 | LSD | | 0.16 |
| LSD | | 0.09 | | | | | |

1997 NATIONAL COTTON VARIETY TEST
 1997 WESTERN REGION RESULTS
 SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|---------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| EL PASO, TX (IRR) | 1475 | 5.87 | 43.0 | 10.9 | 131 | 1.14 | 0.56 | 206 |
| UNIVERSITY PARK, NM | 1433 | 3.72 | 43.2 | . | 148 | 1.16 | 0.58 | 223 |
| ARTESIA, NM (IRR) | 805 | 5.69 | 41.1 | 11.2 | 144 | 1.15 | 0.58 | 234 |
| PECOS, TX (IRR) | 684 | 3.52 | 37.4 | 10.3 | 121 | 1.11 | 0.53 | 201 |

| LOCATION | E1 | MICRO NAIRE | 2.5 S.L. | STRN UNIF | (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|---------------------|------|----------------|-------------|--------------|---------|-----|------|----------------------|------|-----------------------|
| EL PASO, TX (IRR) | 8.71 | 4.71 | . | . | . | . | . | . | . | 1850 |
| UNIVERSITY PARK, NM | 8.44 | 4.54 | . | . | . | . | . | . | . | 1876 |
| ARTESIA, NM (IRR) | 8.16 | 4.40 | 1.15 | 85.6 | 30.9 | 9.9 | 74.0 | 9.0 | 4.20 | 1170 |
| PECOS, TX (IRR) | 8.36 | 4.14 | 1.08 | 82.2 | 27.8 | 9.5 | 76.8 | 8.8 | 4.02 | 1103 |

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|---------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| EL PASO, TX (IRR) | 21.20 | 3.52 | 0.95 | 448 | 26.7 | 1.69 | 85.71 | 47.49 | 4.10 | 2.7 |
| UNIVERSITY PARK, NM | 22.40 | 3.42 | 0.69 | 450 | 32.1 | 1.80 | 81.75 | 50.32 | 4.35 | 2.7 |
| ARTESIA, NM (IRR) | 21.00 | 3.69 | 0.66 | 451 | 30.4 | 1.76 | 83.25 | 49.09 | 4.23 | 2.7 |
| PECOS, TX (IRR) | 21.47 | 3.05 | 0.97 | 460 | 25.8 | 1.68 | 86.67 | 45.66 | 3.84 | 2.7 |

1997 NATIONAL COTTON VARIETY TEST
 1997 WESTERN REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=UNIVERSITY PARK, NM

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|---------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 953 | SG 125 | 1583 | 3.13 | 45.4 | . | 124 | 1.16 |
| 893 | STV LA 887 | 1574 | 3.57 | 46.2 | . | 137 | 1.15 |
| 756 | ACALA PREMA | 1512 | 4.23 | 41.9 | . | 170 | 1.18 |
| 788 | ACALA 1517-91 | 1475 | 3.73 | 43.2 | . | 154 | 1.17 |
| 1012 | ACALA 1517-95 | 1464 | 3.63 | 41.5 | . | 157 | 1.20 |
| 773 | ACALA MAXXA | 1403 | 3.77 | 44.7 | . | 153 | 1.17 |
| 749 | ACALA GC 510 | 1263 | 4.13 | 42.0 | . | 167 | 1.12 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 788 | 21.99 | 3.45 | 1.00 | . | . | . | . | . | . | . |
| 1012 | 22.49 | 3.51 | 0.92 | . | . | . | . | . | . | . |
| 893 | 19.66 | 3.27 | 1.15 | 448 | 21.8 | 1.59 | 90.00 | 44.62 | 3.86 | 2.8 |
| 953 | 19.68 | 3.55 | 0.99 | 443 | 28.0 | 1.72 | 84.50 | 48.84 | 4.26 | 2.8 |
| 756 | 22.94 | 3.44 | 0.76 | . | . | . | . | . | . | . |
| 773 | 20.33 | 3.91 | 0.82 | 463 | 27.8 | 1.72 | 85.00 | 46.49 | 3.88 | 2.7 |
| 578 | 21.35 | 3.53 | 1.03 | 439 | 29.3 | 1.75 | 83.33 | 50.03 | 4.40 | 2.7 |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=PECOS, TX (IRR)

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 893 | STV LA 887 | 881 | 3.60 | 40.1 | 9.8 | 115 | 1.12 |
| 953 | SG 125 | 848 | 3.70 | 39.6 | 10.0 | 107 | 1.11 |
| 1012 | ACALA 1517-95 | 778 | 3.30 | 34.1 | 10.6 | 138 | 1.15 |
| 773 | ACALA MAXXA | 717 | . | . | . | . | . |
| 749 | ACALA GC 510 | 658 | . | . | . | . | . |
| 778 | STONEVILLE 6025 | 579 | 3.60 | 37.3 | 11.2 | 128 | 1.15 |
| 578 | PAYMASTER HS 26 | 525 | 3.40 | 35.8 | 9.8 | 118 | 1.01 |
| 756 | ACALA PREMA | 489 | . | . | . | . | . |
| . | LSD | 317 | 1.03 | 1.8 | 1.0 | 14 | 0.01 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 893 | 0.52 | 186 | 8.50 | 4.10 | 1.10 | 82.7 | 27.0 | 9.6 | 76.0 | 8.9 | 3.90 |
| 953 | 0.53 | 185 | 10.0 | 4.60 | 1.10 | 82.6 | 25.0 | 10.0 | 78.0 | 9.0 | 4.50 |
| 1012 | 0.56 | 226 | 7.30 | 3.70 | 1.10 | 82.0 | 30.0 | 9.2 | 75.0 | 8.7 | 3.60 |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| 749 | . | . | . | . | . | . | . | . | . | . | . |
| 778 | 0.55 | 205 | 6.50 | 3.80 | 1.10 | 81.9 | 29.0 | 9.0 | 77.0 | 8.7 | 3.60 |
| 578 | 0.51 | 205 | 9.50 | 4.50 | 1.00 | 81.8 | 28.0 | 9.7 | 78.0 | 8.5 | 4.50 |
| 756 | . | . | . | . | . | . | . | . | . | . | . |
| . | 0.02 | . | 1.54 | 0.38 | . | 1.0 | 1.9 | 0.3 | 1.8 | 0.5 | 0.53 |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|------|------|------|-------|-------|------|-----|
| 893 | 1240 | 20.19 | 2.93 | 1.14 | 489 | 33.0 | 1.82 | 81.00 | 46.73 | 3.69 | 2.5 |
| 953 | 1156 | 20.67 | 2.99 | 0.99 | 446 | 23.0 | 1.62 | 89.00 | 45.52 | 3.94 | 2.8 |
| 1012 | 1386 | 21.58 | 3.15 | 0.90 | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . | . |
| 749 | . | . | . | . | . | . | . | . | . | . | . |
| 778 | 1067 | 22.68 | 3.12 | 0.88 | . | . | . | . | . | . | . |
| 578 | 665 | 22.21 | 3.08 | 0.93 | 445 | 21.5 | 1.59 | 90.00 | 44.73 | 3.89 | 2.8 |
| 756 | . | . | . | . | . | . | . | . | . | . | . |
| . | 0 | 2.52 | 0.21 | 0.28 | 81.8 | 34.6 | 0.64 | 23.37 | 12.54 | 1.05 | 0.5 |

LOCATION=ARTESIA, NM (IRR)

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 578 | PAYMASTER HS 26 | 884 | 6.14 | 40.6 | 11.3 | 125 | 1.07 |
| 749 | ACALA GC 510 | 878 | 6.04 | 39.3 | 12.7 | 166 | 1.18 |
| 953 | SG 125 | 848 | 4.95 | 42.7 | 9.8 | 121 | 1.12 |
| 893 | STV LA 887 | 831 | 5.63 | 42.7 | 10.1 | 133 | 1.13 |
| 773 | ACALA MAXXA | 810 | 5.74 | 44.1 | 11.0 | 149 | 1.17 |
| 1012 | ACALA 1517-95 | 764 | 5.69 | 39.9 | 11.3 | 141 | 1.19 |
| 756 | ACALA PREMA | 746 | 6.16 | 39.1 | 11.6 | 165 | 1.17 |
| 788 | ACALA 1517-91 | 679 | 5.17 | 40.7 | 11.8 | 154 | 1.17 |
| . | LSD | 182 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 578 | 0.53 | 209 | 9.30 | 5.20 | 1.10 | 84.4 | 30.0 | 10.0 | 73.0 | 8.3 | 5.10 |
| 749 | 0.59 | 266 | 7.40 | 3.90 | 1.15 | 86.6 | 34.0 | 10.0 | 73.0 | 8.2 | 3.80 |
| 953 | 0.56 | 181 | 9.15 | 4.55 | 1.10 | 84.9 | 26.0 | 10.0 | 75.0 | 9.4 | 4.40 |
| 893 | 0.57 | 213 | 9.15 | 4.45 | 1.10 | 84.2 | 28.5 | 10.0 | 73.5 | 9.7 | 4.35 |
| 773 | 0.58 | 240 | 8.00 | 4.15 | 1.15 | 85.8 | 31.5 | 9.7 | 75.5 | 8.9 | 3.75 |
| 1012 | 0.60 | 238 | 7.65 | 4.65 | 1.20 | 86.2 | 31.0 | 10.0 | 73.5 | 9.3 | 4.40 |
| 756 | 0.59 | 264 | 7.30 | 4.15 | 1.20 | 86.6 | 34.0 | 10.0 | 74.5 | 8.7 | 3.85 |
| 788 | 0.59 | 257 | 7.30 | 4.15 | 1.20 | 86.1 | 32.5 | 9.9 | 74.0 | 9.2 | 3.95 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 578 | 1359 | 22.13 | 3.50 | 0.77 | 400 | 19.5 | 1.54 | 92.00 | 48.37 | 4.68 | 3.1 |
| 749 | 1443 | 22.18 | 3.63 | 0.47 | . | . | . | . | . | . | . |
| 953 | 1133 | 19.34 | 3.72 | 0.75 | 456 | 36.8 | 1.89 | 78.50 | 52.12 | 4.42 | 2.6 |
| 893 | 1031 | 19.80 | 3.64 | 0.83 | 468 | 31.3 | 1.79 | 82.50 | 47.91 | 3.96 | 2.6 |
| 773 | 988 | 21.02 | 3.95 | 0.64 | 482 | 34.0 | 1.84 | 80.00 | 47.97 | 3.85 | 2.5 |
| 1012 | 1266 | 19.68 | 3.65 | 0.66 | . | . | . | . | . | . | . |
| 756 | 1101 | 21.64 | 3.67 | 0.51 | . | . | . | . | . | . | . |
| 788 | 1036 | 22.25 | 3.80 | 0.65 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

[RETURN TO 1997 NCVT COVER PAGE](#)



Thank you for your interest in the ongoing work of the

National Cotton Variety Test Program.



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

United States Department of Agriculture

**Agricultural Research Service
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Crop Genetics and Production Research Unit
National Cotton Variety Test Program
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Crop Genetics and Production Research Unit sites**



1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-----|------|------|---|---|---|---|---|---|------|
| 1025 | 248 | 6.95 | 3.75 | . | . | . | . | . | . | 2027 |
| 773 | 230 | 7.15 | 4.08 | . | . | . | . | . | . | 2304 |
| 1083 | 235 | 8.28 | 4.33 | . | . | . | . | . | . | 1923 |
| 1030 | 227 | 6.23 | 4.05 | . | . | . | . | . | . | 2119 |
| 1082 | 224 | 6.78 | 4.23 | . | . | . | . | . | . | 2283 |
| 1024 | 243 | 7.63 | 4.18 | . | . | . | . | . | . | 1958 |
| 1089 | 236 | 6.20 | 4.08 | . | . | . | . | . | . | 2569 |
| 1033 | 256 | 6.93 | 4.15 | . | . | . | . | . | . | 2472 |
| 1087 | 244 | 6.08 | 4.15 | . | . | . | . | . | . | 2193 |
| 1028 | 244 | 6.78 | 4.28 | . | . | . | . | . | . | 2122 |
| 1084 | 244 | 6.73 | 4.38 | . | . | . | . | . | . | 2007 |
| 1090 | 222 | 7.03 | 4.15 | . | . | . | . | . | . | 2564 |
| 1086 | 247 | 6.35 | 4.20 | . | . | . | . | . | . | 2290 |
| 578 | 215 | 9.23 | 4.48 | . | . | . | . | . | . | 2503 |
| 1085 | 253 | 6.98 | 4.03 | . | . | . | . | . | . | 1877 |
| 1081 | 234 | 6.48 | 3.90 | . | . | . | . | . | . | 2218 |
| . | . | 1.09 | 0.36 | . | . | . | . | . | . | 602 |

| VCODE | OIL | NITROGEN | FREE | | | | | | | |
|-------|-------|----------|----------|------|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | A | D | I | M | p | w | t |
| 893 | 19.67 | 3.58 | 0.98 | 469 | 31.1 | 1.77 | 82.75 | 47.37 | 3.91 | 2.6 |
| 953 | 19.85 | 3.80 | 0.87 | 451 | 31.0 | 1.78 | 82.75 | 49.57 | 4.27 | 2.7 |
| 1088 | 21.60 | 3.98 | 0.49 | . | . | . | . | . | . | . |
| 1025 | 21.27 | 4.06 | 0.72 | . | . | . | . | . | . | . |
| 773 | 21.24 | 4.01 | 0.78 | 473 | 30.1 | 1.76 | 83.25 | 46.81 | 3.83 | 2.6 |
| 1083 | 20.66 | 4.27 | 0.60 | . | . | . | . | . | . | . |
| 1030 | 21.05 | 3.94 | 0.73 | . | . | . | . | . | . | . |
| 1082 | 21.87 | 3.96 | 0.73 | . | . | . | . | . | . | . |
| 1024 | 22.11 | 4.32 | 0.63 | . | . | . | . | . | . | . |
| 1089 | 21.37 | 3.88 | 0.57 | . | . | . | . | . | . | . |
| 1033 | 21.23 | 3.85 | 0.65 | . | . | . | . | . | . | . |
| 1087 | 22.05 | 4.10 | 0.73 | . | . | . | . | . | . | . |
| 1028 | 21.48 | 3.96 | 0.68 | . | . | . | . | . | . | . |
| 1084 | 22.01 | 4.19 | 0.70 | . | . | . | . | . | . | . |
| 1090 | 22.37 | 3.71 | 0.63 | . | . | . | . | . | . | . |
| 1086 | 23.25 | 4.07 | 0.63 | . | . | . | . | . | . | . |
| 578 | 21.36 | 3.75 | 0.82 | 446 | 33.1 | 1.82 | 81.00 | 51.30 | 4.45 | 2.7 |
| 1085 | 22.67 | 4.05 | 0.04 | . | . | . | . | . | . | . |
| 1081 | 22.34 | 3.99 | 0.63 | . | . | . | . | . | . | . |
| . | 1.82 | 0.20 | 0.15 | 46.7 | 15.2 | 0.30 | 11.92 | 7.76 | 0.91 | 0.2 |

1997 NATIONAL COTTON VARIETY TEST
 1997 SAN JOAQUIN REGION RESULTS
 VARIETIES COMBINED OVER ALL LOCATIONS

| SEED VARIETY VARIETY | BOLL SIZE | | LINT | | |
|----------------------------|-----------|---------|---------|---------|-------|
| | 2.5 | | PERCENT | VARIETY | INDEX |
| | (G/BOLL) | VARIETY | | | |
| C 166 | 7.92 | C 162 | 44.5 | C 162 | . C |
| 162 | . | . | . | . | . |
| ACALA MAXXA | 7.88 | C 153 | 44.1 | C 153 | . C |

| | | | | | | | |
|-----------------|------|-----------------|------|-----------------|---|-----------|--|
| 153 | . | | | | | | |
| PHY 69 | 7.82 | C 151 | 44.0 | C 151 | . | C | |
| 151 | . | | | | | | |
| OA 207 | 7.68 | C 166 | 43.9 | C 166 | . | C | |
| 166 | . | | | | | | |
| PHY 68 | 7.62 | STV LA 887 | 43.6 | STV LA 887 | . | STV LA | |
| 887 | . | | | | | | |
| BR 9605 | 7.56 | C 165 | 43.1 | C 165 | . | C | |
| 165 | . | | | | | | |
| STV LA 887 | 7.49 | OA 211 | 43.1 | OA 211 | . | OA | |
| 211 | . | | | | | | |
| PHY 56 | 7.38 | SG 125 | 42.2 | SG 125 | . | SG | |
| 125 | . | | | | | | |
| BR 9602 | 7.14 | ACALA MAXXA | 41.8 | ACALA MAXXA | . | ACALA | |
| MAXXA | . | | | | | | |
| C 165 | 7.13 | GC 9536 | 41.8 | GC 9536 | . | GC | |
| 9536 | . | | | | | | |
| C 151 | 7.06 | GC 9427 | 41.6 | GC 9427 | . | GC | |
| 9427 | . | | | | | | |
| GC 9533 | 7.01 | BR 9605 | 41.4 | BR 9605 | . | BR | |
| 9605 | . | | | | | | |
| OA 211 | 6.93 | OA 207 | 41.2 | OA 207 | . | OA | |
| 207 | . | | | | | | |
| GC 9427 | 6.92 | GC 9533 | 40.2 | GC 9533 | . | GC | |
| 9533 | . | | | | | | |
| PAYMASTER HS 26 | 6.50 | PHY 56 | 39.0 | PHY 56 | . | PHY | |
| 56 | . | | | | | | |
| SG 125 | 6.32 | PAYMASTER HS 26 | 38.3 | PAYMASTER HS 26 | . | PAYMASTER | |
| HS 26 | . | | | | | | |
| GC 9536 | 6.24 | BR 9602 | 38.0 | BR 9602 | . | BR | |
| 9602 | . | | | | | | |
| C 162 | 6.18 | PHY 68 | 38.0 | PHY 68 | . | PHY | |
| 68 | . | | | | | | |
| C 153 | 6.01 | PHY 69 | 37.3 | PHY 69 | . | PHY | |
| 69 | . | | | | | | |
| LSD | 1.04 | LSD | 2.9 | LSD | . | | |
| LSD | . | | | | | | |

| VARIETY | UNIF | VARIETY | STRN | VARIETY | E |
|------------|------|------------|---------|------------|----------|
| VARIETY | MIC | VARIETY | (g/tex) | | |
| | | | RD | | |
| C 162 | . | C 162 | . | C 162 | . C |
| 162 | . | C 162 | . | | |
| C 153 | . | C 153 | . | C 153 | . C |
| 153 | . | C 153 | . | | |
| C 151 | . | C 151 | . | C 151 | . C |
| 151 | . | C 151 | . | | |
| C 166 | . | C 166 | . | C 166 | . C |
| 166 | . | C 166 | . | | |
| STV LA 887 | . | STV LA 887 | . | STV LA 887 | . STV LA |
| 887 | . | STV LA 887 | . | | |
| C 165 | . | C 165 | . | C 165 | . C |
| 165 | . | C 165 | . | | |
| OA 211 | . | OA 211 | . | OA 211 | . OA |
| 211 | . | OA 211 | . | | |
| SG 125 | . | SG 125 | . | SG 125 | . SG |

| | | | | | |
|-----------------|---|-----------------|---|-----------------|--------------|
| 125 | . | SG 125 | . | | |
| ACALA MAXXA | . | ACALA MAXXA | . | ACALA MAXXA | ACALA |
| MAXXA | . | ACALA MAXXA | . | | |
| GC 9536 | . | GC 9536 | . | GC 9536 | GC |
| 9536 | . | GC 9536 | . | | |
| GC 9427 | . | GC 9427 | . | GC 9427 | GC |
| 9427 | . | GC 9427 | . | | |
| BR 9605 | . | BR 9605 | . | BR 9605 | BR |
| 9605 | . | BR 9605 | . | | |
| OA 207 | . | OA 207 | . | OA 207 | OA |
| 207 | . | OA 207 | . | | |
| GC 9533 | . | GC 9533 | . | GC 9533 | GC |
| 9533 | . | GC 9533 | . | | |
| PHY 56 | . | PHY 56 | . | PHY 56 | PHY |
| 56 | . | PHY 56 | . | | |
| PAYMASTER HS 26 | . | PAYMASTER HS 26 | . | PAYMASTER HS 26 | PAYMASTER HS |
| 26 | . | PAYMASTER HS 26 | . | | |
| BR 9602 | . | BR 9602 | . | BR 9602 | BR |
| 9602 | . | BR 9602 | . | | |
| PHY 68 | . | PHY 68 | . | PHY 68 | PHY |
| 68 | . | PHY 68 | . | | |
| PHY 69 | . | PHY 69 | . | PHY 69 | PHY |
| 69 | . | PHY 69 | . | | |
| LSD | . | LSD | . | LSD | |
| LSD | . | LSD | . | | |

HUNTERS

| MICRO VARIETY | b READING | VARIETY | NAIRE | T1 VARIETY | E1 | |
|---------------|-----------|-----------------|-------|-----------------|------|-------|
| VARIETY | mn/tex | | | | | |
| C 162 | . | PAYMASTER HS 26 | 4.48 | SG 125 | 9.33 | PHY |
| 56 | 256 | | | | | |
| C 153 | . | C 165 | 4.38 | PAYMASTER HS 26 | 9.23 | C |
| 166 | 253 | | | | | |
| C 151 | . | SG 125 | 4.33 | C 162 | 8.28 | C |
| 153 | 248 | | | | | |
| C 166 | . | C 162 | 4.33 | STV LA 887 | 7.65 | GC |
| 9533 | 247 | | | | | |
| STV LA 887 | . | GC 9427 | 4.28 | C 151 | 7.63 | GC |
| 9427 | 244 | | | | | |
| C 165 | . | STV LA 887 | 4.25 | ACALA MAXXA | 7.15 | GC |
| 9536 | 244 | | | | | |
| OA 211 | . | OA 207 | 4.25 | PHY 69 | 7.03 | C |
| 165 | 244 | | | | | |
| SG 125 | . | BR 9605 | 4.23 | C 166 | 6.98 | C |
| 151 | 243 | | | | | |
| ACALA MAXXA | . | GC 9533 | 4.20 | C 153 | 6.95 | PHY |
| 68 | 236 | | | | | |
| GC 9536 | . | C 151 | 4.18 | PHY 56 | 6.93 | C |
| 162 | 235 | | | | | |
| GC 9427 | . | GC 9536 | 4.15 | GC 9427 | 6.78 | BR |
| 9602 | 234 | | | | | |
| BR 9605 | . | PHY 56 | 4.15 | BR 9605 | 6.78 | ACALA |
| MAXXA | 230 | | | | | |
| OA 207 | . | PHY 69 | 4.15 | C 165 | 6.73 | OA |
| 211 | 227 | | | | | |

| | | | | | | |
|-----------------|-----|-------------|------|---------|------|-----------|
| GC 9533 | . | ACALA MAXXA | 4.08 | BR 9602 | 6.48 | OA |
| 207 | 227 | | | | | |
| PHY 56 | . | PHY 68 | 4.08 | GC 9533 | 6.35 | BR |
| 9605 | 224 | | | | | |
| PAYMASTER HS 26 | . | OA 211 | 4.05 | OA 211 | 6.23 | PHY |
| 69 | 222 | | | | | |
| BR 9602 | . | C 166 | 4.03 | PHY 68 | 6.20 | PAYMASTER |
| HS 26 | 215 | | | | | |
| PHY 68 | . | BR 9602 | 3.90 | OA 207 | 6.13 | STV LA |
| 887 | 205 | | | | | |
| PHY 69 | . | C 153 | 3.75 | GC 9536 | 6.08 | SG |
| 125 | 187 | | | | | |
| LSD | . | LSD | 0.36 | LSD | 1.09 | |
| LSD | . | | | | | |

| VARIETY | 50 | VARIETY | 2.5 | VARIETY | YARN | |
|-----------------|------|-----------------|------|-----------------|----------|-----------|
| VARIETY | S.L. | VARIETY | S.L. | VARIETY | TENACITY | |
| | A | VARIETY | D | | | |
| C 151 | 0.62 | C 151 | 1.21 | GC 9533 | 156 | ACALA |
| MAXXA | 473 | PAYMASTER HS 26 | 33.1 | | | |
| C 166 | 0.60 | C 166 | 1.21 | GC 9536 | 152 | STV LA |
| 887 | 469 | STV LA 887 | 31.1 | | | |
| PHY 56 | 0.60 | BR 9602 | 1.21 | GC 9427 | 152 | SG |
| 125 | 451 | SG 125 | 31.0 | | | |
| GC 9533 | 0.60 | GC 9533 | 1.20 | C 166 | 152 | PAYMASTER |
| HS 26 | 446 | ACALA MAXXA | 30.1 | | | |
| GC 9427 | 0.60 | GC 9536 | 1.20 | BR 9602 | 148 | GC |
| 9533 | . | GC 9533 | . | | | |
| PHY 68 | 0.60 | OA 211 | 1.20 | PHY 56 | 148 | GC |
| 9536 | . | GC 9536 | . | | | |
| C 162 | 0.60 | GC 9427 | 1.20 | PHY 68 | 147 | GC |
| 9427 | . | GC 9427 | . | | | |
| PHY 69 | 0.60 | PHY 68 | 1.20 | C 153 | 146 | C |
| 166 | . | C 166 | . | | | |
| C 153 | 0.60 | PHY 56 | 1.19 | C 165 | 145 | BR |
| 9602 | . | BR 9602 | . | | | |
| GC 9536 | 0.60 | C 162 | 1.19 | OA 207 | 144 | PHY |
| 56 | . | PHY 56 | . | | | |
| BR 9602 | 0.59 | PHY 69 | 1.19 | C 151 | 144 | PHY |
| 68 | . | PHY 68 | . | | | |
| C 165 | 0.59 | C 153 | 1.19 | C 162 | 144 | C |
| 153 | . | C 153 | . | | | |
| ACALA MAXXA | 0.59 | C 165 | 1.18 | PHY 69 | 142 | C |
| 165 | . | C 165 | . | | | |
| OA 211 | 0.59 | ACALA MAXXA | 1.17 | BR 9605 | 140 | OA |
| 207 | . | OA 207 | . | | | |
| OA 207 | 0.59 | OA 207 | 1.17 | ACALA MAXXA | 139 | C |
| 151 | . | C 151 | . | | | |
| BR 9605 | 0.58 | BR 9605 | 1.17 | OA 211 | 136 | C |
| 162 | . | C 162 | . | | | |
| SG 125 | 0.58 | STV LA 887 | 1.17 | STV LA 887 | 122 | PHY |
| 69 | . | PHY 69 | . | | | |
| PAYMASTER HS 26 | 0.57 | SG 125 | 1.16 | PAYMASTER HS 26 | 122 | BR |
| 9605 | . | BR 9605 | . | | | |
| STV LA 887 | 0.57 | PAYMASTER HS 26 | 1.13 | SG 125 | 110 | OA |
| 211 | . | OA 211 | . | | | |

| LSD | 0.02 | LSD | 0.02 | LSD | 6 | |
|-----------------|-------------|-----------------|-------|-----------------|-------|-----------|
| LSD | 46.7 | LSD | 15.2 | | | |
| VARIETY | I | VARIETY | M | VARIETY | p | |
| VARIETY | w | VARIETY | t | | | |
| PAYMASTER HS 26 | 1.82 | ACALA MAXXA | 83.25 | PAYMASTER HS 26 | 51.30 | PAYMASTER |
| HS 26 4.45 | PAYMASTER | HS 26 2.7 | | | | |
| SG 125 | 1.78 | SG 125 | 82.75 | SG 125 | 49.57 | SG |
| 125 | 4.27 | SG 125 | 2.7 | | | |
| STV LA 887 | 1.77 | STV LA 887 | 82.75 | STV LA 887 | 47.37 | STV LA |
| 887 3.91 | STV LA | 887 2.6 | | | | |
| ACALA MAXXA | 1.76 | PAYMASTER HS 26 | 81.00 | ACALA MAXXA | 46.81 | ACALA |
| MAXXA 3.83 | ACALA MAXXA | 2.6 | | | | |
| GC 9533 | . | GC 9533 | . | GC 9533 | . | GC |
| 9533 | . | GC 9533 | . | | | |
| GC 9536 | . | GC 9536 | . | GC 9536 | . | GC |
| 9536 | . | GC 9536 | . | | | |
| GC 9427 | . | GC 9427 | . | GC 9427 | . | GC |
| 9427 | . | GC 9427 | . | | | |
| C 166 | . | C 166 | . | C 166 | . | C |
| 166 | . | C 166 | . | | | |
| BR 9602 | . | BR 9602 | . | BR 9602 | . | BR |
| 9602 | . | BR 9602 | . | | | |
| PHY 56 | . | PHY 56 | . | PHY 56 | . | PHY |
| 56 | . | PHY 56 | . | | | |
| PHY 68 | . | PHY 68 | . | PHY 68 | . | PHY |
| 68 | . | PHY 68 | . | | | |
| C 153 | . | C 153 | . | C 153 | . | C |
| 153 | . | C 153 | . | | | |
| C 165 | . | C 165 | . | C 165 | . | C |
| 165 | . | C 165 | . | | | |
| OA 207 | . | OA 207 | . | OA 207 | . | OA |
| 207 | . | OA 207 | . | | | |
| C 151 | . | C 151 | . | C 151 | . | C |
| 151 | . | C 151 | . | | | |
| C 162 | . | C 162 | . | C 162 | . | C |
| 162 | . | C 162 | . | | | |
| PHY 69 | . | PHY 69 | . | PHY 69 | . | PHY |
| 69 | . | PHY 69 | . | | | |
| BR 9605 | . | BR 9605 | . | BR 9605 | . | BR |
| 9605 | . | BR 9605 | . | | | |
| OA 211 | . | OA 211 | . | OA 211 | . | OA |
| 211 | . | OA 211 | . | | | |
| LSD | 0.30 | LSD | 11.92 | LSD | 7.76 | |
| LSD | 0.91 | LSD | 0.2 | | | |

SEED YIELD

| NITR | | FREE | | OIL | VARIETY | OGEN |
|---------|----------|---------|-------|-------|---------|--------|
| VARIETY | (LB/AC) | VARIETY | | | | |
| VARIETY | GOSSYPOL | | | | | |
| OA 207 | 2626 | GC 9533 | 23.25 | C 151 | 4.32 | STV LA |
| 887 | 0.98 | | | | | |
| SG 125 | 2612 | C 166 | 22.67 | C 162 | 4.27 | SG |

| | | | | | | | | |
|-----------------|------|------|-----------------|-------|-----------------|--|------|-----------|
| 125 | 0.87 | | | | | | | |
| PHY 68 | | 2569 | PHY 69 | 22.37 | C 165 | | 4.19 | PAYMASTER |
| HS 26 | 0.82 | | | | | | | |
| PHY 69 | | 2564 | BR 9602 | 22.34 | GC 9536 | | 4.10 | ACALA |
| MAXXA | 0.78 | | | | | | | |
| PAYMASTER HS 26 | | 2503 | C 151 | 22.11 | GC 9533 | | 4.07 | GC |
| 9536 | 0.73 | | | | | | | |
| PHY 56 | | 2472 | GC 9536 | 22.05 | C 153 | | 4.06 | BR |
| 9605 | 0.73 | | | | | | | |
| STV LA 887 | | 2423 | C 165 | 22.01 | C 166 | | 4.05 | OA |
| 211 | 0.73 | | | | | | | |
| ACALA MAXXA | | 2304 | BR 9605 | 21.87 | ACALA MAXXA | | 4.01 | C |
| 153 | 0.72 | | | | | | | |
| GC 9533 | | 2290 | OA 207 | 21.60 | BR 9602 | | 3.99 | C |
| 165 | 0.70 | | | | | | | |
| BR 9605 | | 2283 | GC 9427 | 21.48 | OA 207 | | 3.98 | GC |
| 9427 | 0.68 | | | | | | | |
| BR 9602 | | 2218 | PHY 68 | 21.37 | BR 9605 | | 3.96 | PHY |
| 56 | 0.65 | | | | | | | |
| GC 9536 | | 2193 | PAYMASTER HS 26 | 21.36 | GC 9427 | | 3.96 | C |
| 151 | 0.63 | | | | | | | |
| GC 9427 | | 2122 | C 153 | 21.27 | OA 211 | | 3.94 | BR |
| 9602 | 0.63 | | | | | | | |
| OA 211 | | 2119 | ACALA MAXXA | 21.24 | PHY 68 | | 3.88 | PHY |
| 69 | 0.63 | | | | | | | |
| C 153 | | 2027 | PHY 56 | 21.23 | PHY 56 | | 3.85 | GC |
| 9533 | 0.63 | | | | | | | |
| C 165 | | 2007 | OA 211 | 21.05 | SG 125 | | 3.80 | C |
| 162 | 0.60 | | | | | | | |
| C 151 | | 1958 | C 162 | 20.66 | PAYMASTER HS 26 | | 3.75 | PHY |
| 68 | 0.57 | | | | | | | |
| C 162 | | 1923 | SG 125 | 19.85 | PHY 69 | | 3.71 | OA |
| 207 | 0.49 | | | | | | | |
| C 166 | | 1877 | STV LA 887 | 19.67 | STV LA 887 | | 3.58 | C |
| 166 | 0.04 | | | | | | | |
| LSD | | 602 | LSD | 1.82 | LSD | | 0.20 | |
| LSD | | 0.15 | | | | | | |

1997 NATIONAL COTTON VARIETY TEST
 1997 SAN JOAQUIN REGION RESULTS
 VARIETIES COMBINED OVER ALL LOCATIONS

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|--------------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| W SIDE FIELD STATION, CA | 1770 | 6.80 | 42.5 | . | 142 | 1.18 | 0.59 | 230 |
| SHAFTER, CA | 1422 | 7.38 | 40.3 | . | 141 | 1.19 | 0.59 | 235 |

| LOCATION | MICRO E1 | 2.5 NAIRE S.L. | 4.34 | . | STRN (g/tex) | . | HUNTERS RD b READING | SEED YIELD (LB/AC) |
|--------------------------|-------------|-------------------|------|---|-----------------|---|-------------------------|-----------------------|
| W SIDE FIELD STATION, CA | 7.06 | 4.34 | . | . | . | . | . | 2402 |

SHAFTER, CA 7.14 4.00 2134

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|--------------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| W SIDE FIELD STATION, CA | 21.68 | 3.87 | 0.73 | 443 | 26.2 | 1.68 | 86.25 | 47.77 | 4.18 | 2.8 |
| SHAFTER, CA | 21.41 | 4.08 | 0.60 | 476 | 36.5 | 1.89 | 78.63 | 49.75 | 4.04 | 2.5 |

1997 NATIONAL COTTON VARIETY TEST
 1997 SAN JOAQUIN REGION RESULTS
 VARIETIES COMBINED OVER ALL LOCATIONS

LOCATION=SHAFTER, CA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-----------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 1088 | OA 207 | 1769 | 7.79 | 40.4 | . | 148 | 1.19 |
| 953 | SG 125 | 1751 | 6.85 | 39.9 | . | 110 | 1.17 |
| 893 | STV LA 887 | 1743 | 8.07 | 43.1 | . | 124 | 1.18 |
| 1030 | OA 211 | 1469 | 7.23 | 42.7 | . | 136 | 1.21 |
| 1033 | PHY 56 | 1468 | 8.20 | 38.3 | . | 144 | 1.19 |
| 1025 | C 153 | 1465 | 6.10 | 42.7 | . | 145 | 1.19 |
| 1085 | C 166 | 1463 | 8.17 | 39.7 | . | 152 | 1.21 |
| 773 | ACALA MAXXA | 1455 | 8.11 | 41.3 | . | 136 | 1.17 |
| 1090 | PHY 69 | 1453 | 7.66 | 36.0 | . | 138 | 1.19 |
| 1083 | C 162 | 1440 | 5.85 | 43.8 | . | 143 | 1.19 |
| 1082 | BR 9605 | 1391 | 8.14 | 41.3 | . | 140 | 1.17 |
| 1084 | C 165 | 1366 | 7.25 | 43.4 | . | 146 | 1.18 |
| 1028 | GC 9427 | 1364 | 7.45 | 40.0 | . | 151 | 1.20 |
| 1086 | GC 9533 | 1344 | 7.12 | 39.2 | . | 154 | 1.21 |
| 1087 | GC 9536 | 1327 | 6.91 | 40.9 | . | 151 | 1.21 |
| 1024 | C 151 | 1272 | 7.18 | 43.1 | . | 145 | 1.23 |
| 1089 | PHY 68 | 1271 | 8.50 | 37.3 | . | 144 | 1.19 |
| 578 | PAYMASTER HS 26 | 1248 | 6.70 | 37.6 | . | 123 | 1.15 |
| 1081 | BR 9602 | 958 | 6.98 | 36.0 | . | 146 | 1.21 |
| . | LSD | 269 | . | . | . | . | . |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|---|----|----------------------|-----|
| 1088 | 0.59 | 235 | 6.00 | 3.95 | . | . | . | . | . | . | . |
| 953 | 0.58 | 180 | 10.0 | 4.00 | . | . | . | . | . | . | . |
| 893 | 0.57 | 210 | 8.50 | 4.00 | . | . | . | . | . | . | . |
| 1030 | 0.58 | 225 | 6.05 | 3.75 | . | . | . | . | . | . | . |
| 1033 | 0.60 | 256 | 6.55 | 3.90 | . | . | . | . | . | . | . |
| 1025 | 0.60 | 254 | 7.15 | 3.50 | . | . | . | . | . | . | . |
| 1085 | 0.59 | 262 | 7.15 | 3.90 | . | . | . | . | . | . | . |
| 773 | 0.59 | 230 | 6.90 | 3.95 | . | . | . | . | . | . | . |

| | | | | | | | | | | | |
|------|------|-----|------|------|---|---|---|---|---|---|---|
| 1090 | 0.60 | 223 | 6.40 | 4.10 | . | . | . | . | . | . | . |
| 1083 | 0.60 | 236 | 8.15 | 4.30 | . | . | . | . | . | . | . |
| 1082 | 0.58 | 224 | 6.90 | 4.05 | . | . | . | . | . | . | . |
| 1084 | 0.58 | 244 | 6.80 | 4.25 | . | . | . | . | . | . | . |
| 1028 | 0.60 | 245 | 6.90 | 4.25 | . | . | . | . | . | . | . |
| 1086 | 0.60 | 256 | 6.55 | 4.30 | . | . | . | . | . | . | . |
| 1087 | 0.59 | 254 | 5.75 | 4.00 | . | . | . | . | . | . | . |
| 1024 | 0.63 | 243 | 7.75 | 4.10 | . | . | . | . | . | . | . |
| 1089 | 0.60 | 234 | 5.75 | 3.75 | . | . | . | . | . | . | . |
| 578 | 0.58 | 227 | 9.80 | 4.30 | . | . | . | . | . | . | . |
| 1081 | 0.60 | 234 | 6.55 | 3.65 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 1088 | 2793 | 21.92 | 4.15 | 0.27 | . | . | . | . | . | . | . |
| 953 | 2755 | 19.47 | 3.91 | 0.79 | 475 | 34.5 | 1.85 | 80.00 | 48.93 | 3.99 | 2.6 |
| 893 | 2273 | 19.24 | 3.72 | 0.92 | 495 | 41.3 | 1.98 | 75.00 | 50.08 | 3.92 | 2.4 |
| 1030 | 1938 | 21.18 | 4.08 | 0.67 | . | . | . | . | . | . | . |
| 1033 | 2467 | 20.73 | 4.06 | 0.58 | . | . | . | . | . | . | . |
| 1025 | 1796 | 20.97 | 4.01 | 0.66 | . | . | . | . | . | . | . |
| 1085 | 2232 | 23.11 | 4.21 | 0.04 | . | . | . | . | . | . | . |
| 773 | 2030 | 21.26 | 4.11 | 0.72 | 476 | 34.3 | 1.85 | 80.50 | 48.64 | 3.95 | 2.5 |
| 1090 | 2581 | 21.91 | 3.82 | 0.57 | . | . | . | . | . | . | . |
| 1083 | 1665 | 20.60 | 4.31 | 0.48 | . | . | . | . | . | . | . |
| 1082 | 2015 | 21.51 | 3.99 | 0.72 | . | . | . | . | . | . | . |
| 1084 | 1754 | 21.50 | 4.32 | 0.72 | . | . | . | . | . | . | . |
| 1028 | 2013 | 21.92 | 4.06 | 0.64 | . | . | . | . | . | . | . |
| 1086 | 2277 | 24.95 | 4.24 | 0.61 | . | . | . | . | . | . | . |
| 1087 | 2041 | 22.29 | 4.23 | 0.72 | . | . | . | . | . | . | . |
| 1024 | 1573 | 21.33 | 4.41 | 0.56 | . | . | . | . | . | . | . |
| 1089 | 2199 | 20.93 | 3.91 | 0.47 | . | . | . | . | . | . | . |
| 578 | 2313 | 20.47 | 3.98 | 0.73 | 459 | 36.0 | 1.88 | 79.00 | 51.37 | 4.32 | 2.6 |
| 1081 | 1823 | 21.60 | 4.00 | 0.54 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

LOCATION=W SIDE FIELD STATION, CA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|-------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 893 | STV LA 887 | 2037 | 6.92 | 44.2 | . | 121 | 1.15 |
| 953 | SG 125 | 1951 | 5.78 | 44.5 | . | 110 | 1.14 |
| 1025 | C 153 | 1901 | 5.92 | 45.5 | . | 148 | 1.19 |
| 1024 | C 151 | 1886 | 6.95 | 45.0 | . | 143 | 1.19 |
| 1089 | PHY 68 | 1862 | 6.74 | 38.8 | . | 150 | 1.20 |
| 1083 | C 162 | 1838 | 6.51 | 45.2 | . | 145 | 1.19 |
| 773 | ACALA MAXXA | 1829 | 7.65 | 42.3 | . | 142 | 1.17 |
| 1082 | BR 9605 | 1818 | 6.98 | 41.5 | . | 140 | 1.17 |
| 1030 | OA 211 | 1799 | 6.64 | 43.6 | . | 137 | 1.19 |
| 1088 | OA 207 | 1795 | 7.57 | 42.1 | . | 141 | 1.15 |
| 1081 | BR 9602 | 1749 | 7.30 | 40.1 | . | 151 | 1.20 |

| | | | | | | | |
|------|-----------------|------|------|------|---|-----|------|
| 578 | PAYMASTER HS 26 | 1736 | 6.29 | 38.9 | . | 120 | 1.11 |
| 1087 | GC 9536 | 1736 | 5.57 | 42.7 | . | 154 | 1.19 |
| 1028 | GC 9427 | 1696 | 6.39 | 43.2 | . | 154 | 1.19 |
| 1084 | C 165 | 1687 | 7.01 | 42.9 | . | 144 | 1.17 |
| 1086 | GC 9533 | 1662 | 6.90 | 41.2 | . | 158 | 1.19 |
| 1033 | PHY 56 | 1618 | 6.55 | 39.7 | . | 153 | 1.19 |
| 1090 | PHY 69 | 1588 | 7.99 | 38.7 | . | 146 | 1.19 |
| 1085 | C 166 | 1439 | 7.67 | 48.1 | . | 151 | 1.21 |
| . | LSD | 154 | . | . | . | . | . |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC |
|-------|------|--------|------|-------|------|------|---------|---|----|-----------|-----|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | |
| 893 | 0.57 | 200 | 6.80 | 4.50 | . | . | . | . | . | . | . |
| 953 | 0.57 | 195 | 8.65 | 4.65 | . | . | . | . | . | . | . |
| 1025 | 0.60 | 243 | 6.75 | 4.00 | . | . | . | . | . | . | . |
| 1024 | 0.60 | 244 | 7.50 | 4.25 | . | . | . | . | . | . | . |
| 1089 | 0.60 | 238 | 6.65 | 4.40 | . | . | . | . | . | . | . |
| 1083 | 0.60 | 234 | 8.40 | 4.35 | . | . | . | . | . | . | . |
| 773 | 0.58 | 231 | 7.40 | 4.20 | . | . | . | . | . | . | . |
| 1082 | 0.57 | 224 | 6.65 | 4.40 | . | . | . | . | . | . | . |
| 1030 | 0.59 | 229 | 6.40 | 4.35 | . | . | . | . | . | . | . |
| 1088 | 0.58 | 219 | 6.25 | 4.55 | . | . | . | . | . | . | . |
| 1081 | 0.59 | 233 | 6.40 | 4.15 | . | . | . | . | . | . | . |
| 578 | 0.57 | 203 | 8.65 | 4.65 | . | . | . | . | . | . | . |
| 1087 | 0.60 | 234 | 6.40 | 4.30 | . | . | . | . | . | . | . |
| 1028 | 0.60 | 243 | 6.65 | 4.30 | . | . | . | . | . | . | . |
| 1084 | 0.59 | 243 | 6.65 | 4.50 | . | . | . | . | . | . | . |
| 1086 | 0.60 | 238 | 6.15 | 4.10 | . | . | . | . | . | . | . |
| 1033 | 0.60 | 257 | 7.30 | 4.40 | . | . | . | . | . | . | . |
| 1090 | 0.60 | 221 | 7.65 | 4.20 | . | . | . | . | . | . | . |
| 1085 | 0.61 | 244 | 6.80 | 4.15 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 893 | 2573 | 20.10 | 3.45 | 1.05 | 443 | 21.0 | 1.57 | 90.50 | 44.66 | 3.90 | 2.8 |
| 953 | 2469 | 20.22 | 3.70 | 0.95 | 427 | 27.5 | 1.71 | 85.50 | 50.21 | 4.55 | 2.9 |
| 1025 | 2258 | 21.57 | 4.11 | 0.79 | . | . | . | . | . | . | . |
| 1024 | 2343 | 22.90 | 4.23 | 0.71 | . | . | . | . | . | . | . |
| 1089 | 2940 | 21.80 | 3.85 | 0.67 | . | . | . | . | . | . | . |
| 1083 | 2181 | 20.71 | 4.23 | 0.72 | . | . | . | . | . | . | . |
| 773 | 2578 | 21.21 | 3.92 | 0.84 | 469 | 26.0 | 1.68 | 86.00 | 44.98 | 3.71 | 2.7 |
| 1082 | 2551 | 22.24 | 3.93 | 0.74 | . | . | . | . | . | . | . |
| 1030 | 2301 | 20.92 | 3.79 | 0.79 | . | . | . | . | . | . | . |
| 1088 | 2459 | 21.28 | 3.82 | 0.71 | . | . | . | . | . | . | . |
| 1081 | 2612 | 23.08 | 3.99 | 0.73 | . | . | . | . | . | . | . |
| 578 | 2692 | 22.26 | 3.53 | 0.91 | 433 | 30.3 | 1.77 | 83.00 | 51.23 | 4.57 | 2.8 |
| 1087 | 2345 | 21.82 | 3.97 | 0.74 | . | . | . | . | . | . | . |
| 1028 | 2231 | 21.04 | 3.86 | 0.73 | . | . | . | . | . | . | . |
| 1084 | 2260 | 22.52 | 4.06 | 0.69 | . | . | . | . | . | . | . |
| 1086 | 2303 | 21.55 | 3.90 | 0.64 | . | . | . | . | . | . | . |
| 1033 | 2476 | 21.72 | 3.64 | 0.73 | . | . | . | . | . | . | . |
| 1090 | 2548 | 22.83 | 3.61 | 0.69 | . | . | . | . | . | . | . |

| | | | | | | | | | | | |
|------|------|-------|------|------|---|---|---|---|---|---|---|
| 1085 | 1522 | 22.23 | 3.89 | 0.05 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . | . |

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1997 National Cotton Variety Test



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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 HIGH QUALITY REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 HIGH QUALITY REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 1058 | JBW HYBRID | 1136 | 5.23 | 40.3 | 9.9 | 133 | 1.17 | 0.58 |
| 953 | SG 125 | 1125 | 5.48 | 41.0 | 10.6 | 125 | 1.16 | 0.59 |
| 893 | STV LA 887 | 1100 | 6.00 | 41.1 | 11.5 | 139 | 1.16 | 0.58 |
| 1068 | DP 32 B | 1100 | 5.29 | 39.8 | 10.2 | 123 | 1.13 | 0.56 |
| 1063 | Arkot 8712 | 1083 | 5.58 | 39.4 | 11.0 | 143 | 1.18 | 0.59 |
| 1067 | 9506-0081 | 1063 | 6.25 | 41.3 | 11.1 | 137 | 1.14 | 0.57 |
| 1057 | HYX 6102 | 1054 | 4.92 | 38.5 | 9.9 | 138 | 1.19 | 0.59 |

1997 National Cotton Variety Test

| | | | | | | | | |
|------|-------------|------|------|------|------|-----|------|------|
| 1093 | DPX 9065 | 1036 | 5.08 | 40.3 | 11.0 | 126 | 1.14 | 0.57 |
| 1061 | IF 1006 | 1035 | 5.98 | 39.1 | 11.0 | 159 | 1.20 | 0.60 |
| 1065 | NC 72 | 1022 | 5.02 | 40.2 | 10.2 | 145 | 1.18 | 0.59 |
| 1091 | B 27 | 1020 | 5.52 | 40.0 | 11.3 | 134 | 1.18 | 0.60 |
| 1069 | SS 11038 | 1002 | 5.48 | 39.5 | 10.4 | 143 | 1.15 | 0.58 |
| 1066 | B 210-3 | 998 | 5.31 | 39.2 | 10.3 | 146 | 1.23 | 0.60 |
| 1092 | PD 94035 | 987 | 5.59 | 40.7 | 10.7 | 143 | 1.19 | 0.60 |
| 1046 | 89 E-51 | 973 | 5.65 | 38.6 | 12.4 | 145 | 1.15 | 0.58 |
| 1060 | GA 93-299 | 958 | 5.61 | 40.6 | 11.2 | 154 | 1.17 | 0.60 |
| 1059 | GA 92-316 | 945 | 5.21 | 39.0 | 11.0 | 150 | 1.18 | 0.59 |
| 1062 | IF 1005 | 942 | 4.54 | 39.7 | 9.2 | 153 | 1.19 | 0.59 |
| 1064 | 94 L-25 | 917 | 6.11 | 37.3 | 13.3 | 140 | 1.20 | 0.59 |
| 773 | ACALA MAXXA | 659 | 5.65 | 40.6 | 12.2 | 158 | 1.17 | 0.59 |
| . | LSD | 127 | 0.39 | 0.9 | 0.5 | 7 | 0.03 | 0.02 |

| VCODE | T1 | | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS | | SEED YIELD (LB/AC) |
|-------|--------|------|----------------|-------------|------|-----------------|------|------|---------|---------|-----------------------|
| | mN/tex | E1 | | | | | | | b | READING | |
| 1058 | 227 | 8.01 | 4.97 | 1.14 | 84.2 | 31.5 | 9.8 | 74.2 | 7.5 | 4.72 | 1713 |
| 953 | 203 | 8.86 | 5.01 | 1.14 | 84.6 | 28.3 | 10.1 | 73.0 | 8.0 | 4.88 | 1673 |
| 893 | 226 | 8.43 | 4.65 | 1.15 | 83.9 | 31.3 | 9.9 | 72.2 | 8.4 | 4.49 | 1680 |
| 1068 | 208 | 7.86 | 5.13 | 1.11 | 83.7 | 29.9 | 9.9 | 74.8 | 7.4 | 5.11 | 1681 |
| 1063 | 223 | 8.16 | 5.10 | 1.19 | 85.2 | 31.0 | 10.1 | 72.9 | 7.7 | 4.90 | 1701 |
| 1067 | 214 | 7.60 | 4.85 | 1.13 | 83.9 | 31.0 | 9.7 | 74.3 | 7.4 | 4.71 | 1564 |
| 1057 | 222 | 8.53 | 4.90 | 1.19 | 84.9 | 31.8 | 10.2 | 73.4 | 7.7 | 4.75 | 1698 |
| 1093 | 204 | 7.50 | 5.08 | 1.14 | 84.0 | 28.8 | 9.8 | 72.9 | 7.7 | 4.95 | 1629 |
| 1061 | 240 | 6.89 | 4.46 | 1.21 | 85.7 | 33.3 | 9.6 | 74.6 | 7.2 | 4.36 | 1668 |
| 1065 | 237 | 6.63 | 4.48 | 1.18 | 85.2 | 33.4 | 9.5 | 74.4 | 7.8 | 4.28 | 1577 |
| 1091 | 226 | 8.14 | 5.13 | 1.19 | 85.6 | 31.6 | 10.0 | 72.0 | 8.2 | 4.96 | 1608 |
| 1069 | 240 | 7.98 | 5.09 | 1.13 | 83.8 | 34.4 | 10.1 | 72.1 | 8.3 | 4.98 | 1579 |
| 1066 | 237 | 9.39 | 4.50 | 1.23 | 85.8 | 33.5 | 10.5 | 71.6 | 8.4 | 4.43 | 1528 |
| 1092 | 226 | 7.39 | 4.79 | 1.19 | 84.9 | 31.1 | 9.7 | 73.9 | 7.4 | 4.64 | 1519 |
| 1046 | 232 | 6.99 | 4.73 | 1.15 | 84.9 | 32.4 | 9.7 | 73.4 | 7.4 | 4.54 | 1517 |
| 1060 | 249 | 7.13 | 4.86 | 1.16 | 84.7 | 34.8 | 10.0 | 73.1 | 7.8 | 4.70 | 1507 |
| 1059 | 245 | 7.39 | 4.95 | 1.19 | 84.9 | 34.5 | 10.0 | 71.5 | 7.9 | 4.76 | 1625 |
| 1062 | 251 | 5.76 | 4.64 | 1.19 | 84.8 | 34.0 | 9.4 | 75.4 | 7.2 | 4.55 | 1528 |
| 1064 | 229 | 6.10 | 4.48 | 1.21 | 84.7 | 31.9 | 9.1 | 72.3 | 8.2 | 4.25 | 1487 |
| 773 | 263 | 6.65 | 4.25 | 1.18 | 85.5 | 35.5 | 9.8 | 72.7 | 7.5 | 4.10 | 985 |
| . | 12 | 0.98 | 0.24 | 0.04 | 0.8 | 1.5 | 0.3 | 1.4 | 0.4 | 0.28 | 212 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 1058 | 19.39 | 3.54 | 0.90 | 416 | 23.4 | 1.61 | 88.70 | 48.74 | 4.56 | 3.0 |
| 953 | 19.21 | 3.72 | 0.81 | 404 | 22.8 | 1.61 | 89.13 | 50.10 | 4.81 | 3.1 |
| 893 | 19.66 | 3.54 | 0.89 | 440 | 29.0 | 1.73 | 84.30 | 49.35 | 4.38 | 2.8 |
| 1068 | 19.45 | 3.80 | 0.93 | 395 | 24.4 | 1.65 | 87.75 | 52.38 | 5.15 | 3.2 |
| 1063 | 20.28 | 3.49 | 0.76 | 406 | 21.1 | 1.56 | 90.88 | 48.41 | 4.66 | 3.2 |
| 1067 | 22.37 | 3.67 | 0.64 | 410 | 21.8 | 1.58 | 90.13 | 48.16 | 4.56 | 3.1 |
| 1057 | 18.42 | 3.43 | 0.86 | 416 | 26.8 | 1.69 | 86.10 | 50.88 | 4.76 | 3.0 |
| 1093 | 20.46 | 3.87 | 0.86 | 397 | 24.4 | 1.65 | 87.50 | 52.04 | 5.07 | 3.1 |
| 1061 | 19.98 | 3.68 | 0.59 | 444 | 19.4 | 1.53 | 92.00 | 43.33 | 3.81 | 2.9 |
| 1065 | 18.50 | 3.56 | 0.81 | 449 | 30.7 | 1.77 | 83.00 | 49.66 | 4.36 | 2.8 |
| 1091 | 19.22 | 3.70 | 0.95 | 404 | 24.7 | 1.65 | 87.50 | 51.13 | 4.92 | 3.1 |
| 1069 | 19.32 | 3.67 | 0.77 | 395 | 22.9 | 1.61 | 89.13 | 51.29 | 5.07 | 3.2 |
| 1066 | 19.39 | 3.72 | 0.84 | 435 | 27.7 | 1.71 | 85.13 | 49.37 | 4.44 | 2.9 |
| 1092 | 17.81 | 3.83 | 0.77 | 429 | 22.1 | 1.59 | 89.50 | 46.74 | 4.23 | 2.9 |
| 1046 | 22.22 | 3.66 | 0.87 | 426 | 28.2 | 1.72 | 84.88 | 50.60 | 4.63 | 2.9 |
| 1060 | 20.76 | 3.70 | 0.80 | 419 | 22.4 | 1.60 | 89.38 | 47.98 | 4.47 | 3.0 |
| 1059 | 20.63 | 3.74 | 0.85 | 421 | 27.3 | 1.70 | 85.50 | 50.72 | 4.69 | 2.9 |
| 1062 | 19.96 | 3.79 | 0.60 | 420 | 16.3 | 1.46 | 94.75 | 43.56 | 4.04 | 3.1 |
| 1064 | 19.50 | 3.81 | 0.69 | 451 | 29.3 | 1.74 | 84.00 | 48.48 | 4.18 | 2.7 |
| 773 | 19.53 | 4.19 | 0.67 | 464 | 24.8 | 1.65 | 87.30 | 44.71 | 3.73 | 2.7 |
| . | 0.80 | 0.15 | 0.15 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST
 1997 HIGH QUALITY REGION RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

| SEED | BOLL SIZE | 2.5 | LINT | | |
|---------|-----------|---------|---------|---------|-------|
| VARIETY | (G/BOLL) | VARIETY | PERCENT | VARIETY | INDEX |
| VARIETY | S.L. | | | | |

| | | | | | | |
|-------------|------|-------------|------|-------------|------|--------|
| 9506-0081 | 6.25 | 9506-0081 | 41.3 | 94 L-25 | 13.3 | B 210- |
| 3 | 1.23 | | | | | |
| 94 L-25 | 6.11 | STV LA 887 | 41.1 | 89 E-51 | 12.4 | 94 L- |
| 25 | 1.21 | | | | | |
| STV LA 887 | 6.00 | SG 125 | 41.0 | ACALA MAXXA | 12.2 | IF |
| 1006 | 1.21 | | | | | |
| IF 1006 | 5.98 | PD 94035 | 40.7 | STV LA 887 | 11.5 | HYX |
| 6102 | 1.19 | | | | | |
| ACALA MAXXA | 5.65 | GA 93-299 | 40.6 | B 27 | 11.3 | B |
| 27 | 1.19 | | | | | |
| 89 E-51 | 5.65 | ACALA MAXXA | 40.6 | GA 93-299 | 11.2 | Arkot |
| 8712 | 1.19 | | | | | |
| GA 93-299 | 5.61 | JBW HYBRID | 40.3 | 9506-0081 | 11.1 | GA 92- |
| 316 | 1.19 | | | | | |
| PD 94035 | 5.59 | DPX 9065 | 40.3 | DPX 9065 | 11.0 | PD |
| 94035 | 1.19 | | | | | |
| Arkot 8712 | 5.58 | NC 72 | 40.2 | Arkot 8712 | 11.0 | IF |
| 1005 | 1.19 | | | | | |
| B 27 | 5.52 | B 27 | 40.0 | GA 92-316 | 11.0 | ACALA |
| MAXXA | 1.18 | | | | | |
| SS 11038 | 5.48 | DP 32 B | 39.8 | IF 1006 | 11.0 | NC |
| 72 | 1.18 | | | | | |
| SG 125 | 5.48 | IF 1005 | 39.7 | PD 94035 | 10.7 | GA 93- |
| 299 | 1.16 | | | | | |
| B 210-3 | 5.31 | SS 11038 | 39.5 | SG 125 | 10.6 | 89 E- |
| 51 | 1.15 | | | | | |
| DP 32 B | 5.29 | Arkot 8712 | 39.4 | SS 11038 | 10.4 | STV LA |
| 887 | 1.15 | | | | | |
| JBW HYBRID | 5.23 | B 210-3 | 39.2 | B 210-3 | 10.3 | JBW |
| HYBRID | 1.14 | | | | | |
| GA 92-316 | 5.21 | IF 1006 | 39.1 | NC 72 | 10.2 | DPX |
| 9065 | 1.14 | | | | | |
| DPX 9065 | 5.08 | GA 92-316 | 39.0 | DP 32 B | 10.2 | SG |
| 125 | 1.14 | | | | | |
| NC 72 | 5.02 | 89 E-51 | 38.6 | HYX 6102 | 9.9 | 9506- |
| 0081 | 1.13 | | | | | |
| HYX 6102 | 4.92 | HYX 6102 | 38.5 | JBW HYBRID | 9.9 | SS |
| 11038 | 1.13 | | | | | |
| IF 1005 | 4.54 | 94 L-25 | 37.3 | IF 1005 | 9.2 | DP 32 |

B 1.11

LSD 0.39

LSD 0.9

LSD 0.5

LSD 0.04

| VARIETY MIC | UNIF | VARIETY | STRN (g/tex) | VARIETY | E | VARIETY |
|-------------------------|------|-------------|-----------------|-------------|------|------------|
| B 210-3 5.11 | 85.8 | ACALA MAXXA | 35.5 | B 210-3 | 10.5 | DP 32 B |
| IF 1006 4.98 | 85.7 | GA 93-299 | 34.8 | HYX 6102 | 10.2 | SS 11038 |
| B 27 4.96 | 85.6 | GA 92-316 | 34.5 | SS 11038 | 10.1 | B 27 |
| ACALA MAXXA 4.95 | 85.5 | SS 11038 | 34.4 | Arkot 8712 | 10.1 | DPX 9065 |
| Arkot 8712 8712 4.90 | 85.2 | IF 1005 | 34.0 | SG 125 | 10.1 | Arkot |
| NC 72 4.88 | 85.2 | B 210-3 | 33.5 | GA 92-316 | 10.0 | SG 125 |
| PD 94035 4.76 | 84.9 | NC 72 | 33.4 | B 27 | 10.0 | GA 92-316 |
| 89 E-51 4.75 | 84.9 | IF 1006 | 33.3 | GA 93-299 | 10.0 | HYX 6102 |
| GA 92-316 4.72 | 84.9 | 89 E-51 | 32.4 | DP 32 B | 9.9 | JBW HYBRID |
| HYX 6102 4.71 | 84.9 | 94 L-25 | 31.9 | STV LA 887 | 9.9 | 9506-0081 |
| IF 1005 4.70 | 84.8 | HYX 6102 | 31.8 | DPX 9065 | 9.8 | GA 93-299 |
| GA 93-299 4.64 | 84.7 | B 27 | 31.6 | JBW HYBRID | 9.8 | PD 94035 |
| 94 L-25 4.55 | 84.7 | JBW HYBRID | 31.5 | ACALA MAXXA | 9.8 | IF 1005 |
| SG 125 4.54 | 84.6 | STV LA 887 | 31.3 | PD 94035 | 9.7 | 89 E-51 |
| JBW HYBRID 4.49 | 84.2 | PD 94035 | 31.1 | 89 E-51 | 9.7 | STV LA 887 |

1997 National Cotton Variety Test

| | | | | | | |
|--------------------|------|------------|------|-----------|-----|-------------|
| DPX 9065 4.43 | 84.0 | Arkot 8712 | 31.0 | 9506-0081 | 9.7 | B 210-3 |
| 9506-0081 4.36 | 83.9 | 9506-0081 | 31.0 | IF 1006 | 9.6 | IF 1006 |
| STV LA 887 4.28 | 83.9 | DP 32 B | 29.9 | NC 72 | 9.5 | NC 72 |
| SS 11038 4.25 | 83.8 | DPX 9065 | 28.8 | IF 1005 | 9.4 | 94 L-25 |
| DP 32 B 4.10 | 83.7 | SG 125 | 28.3 | 94 L-25 | 9.1 | ACALA MAXXA |
| LSD 0.28 | 0.8 | LSD | 1.5 | LSD | 0.3 | LSD |

HUNTERS

| MICRO VARIETY mN/tex | RD | T1 VARIETY | b READING | VARIETY | NAIRE | VARIETY |
|----------------------------|------|---------------|-----------|------------|-------|---------|
| IF 1005 MAXXA 263 | 75.4 | STV LA 887 | 8.4 | B 27 | 5.13 | ACALA |
| DP 32 B 1005 251 | 74.8 | B 210-3 | 8.4 | DP 32 B | 5.13 | IF |
| IF 1006 299 249 | 74.6 | SS 11038 | 8.3 | Arkot 8712 | 5.10 | GA 93- |
| NC 72 316 245 | 74.4 | B 27 | 8.2 | SS 11038 | 5.09 | GA 92- |
| 9506-0081 11038 240 | 74.3 | 94 L-25 | 8.2 | DPX 9065 | 5.08 | SS |
| JBW HYBRID 1006 240 | 74.2 | SG 125 | 8.0 | SG 125 | 5.01 | IF |
| PD 94035 72 237 | 73.9 | GA 92-316 | 7.9 | JBW HYBRID | 4.97 | NC |
| HYX 6102 3 237 | 73.4 | NC 72 | 7.8 | GA 92-316 | 4.95 | B 210- |
| 89 E-51 51 232 | 73.4 | GA 93-299 | 7.8 | HYX 6102 | 4.90 | 89 E- |
| GA 93-299 25 229 | 73.1 | DPX 9065 | 7.7 | GA 93-299 | 4.86 | 94 L- |

1997 National Cotton Variety Test

| | | | | | | |
|--------------------|------|-------------|------|-------------|------|------------|
| B 27 146 | 8.14 | Arkot 8712 | 0.59 | IF 1005 | 1.19 | B 210-3 |
| JBW HYBRID 145 | 8.01 | HYX 6102 | 0.59 | B 27 | 1.18 | NC 72 |
| SS 11038 145 | 7.98 | ACALA MAXXA | 0.59 | Arkot 8712 | 1.18 | 89 E-51 |
| DP 32 B 143 | 7.86 | SG 125 | 0.59 | GA 92-316 | 1.18 | PD 94035 |
| 9506-0081 143 | 7.60 | IF 1005 | 0.59 | NC 72 | 1.18 | Arkot 8712 |
| DPX 9065 143 | 7.50 | GA 92-316 | 0.59 | JBW HYBRID | 1.17 | SS 11038 |
| GA 92-316 140 | 7.39 | 94 L-25 | 0.59 | ACALA MAXXA | 1.17 | 94 L-25 |
| PD 94035 139 | 7.39 | NC 72 | 0.59 | GA 93-299 | 1.17 | STV LA 887 |
| GA 93-299 138 | 7.13 | SS 11038 | 0.58 | STV LA 887 | 1.16 | HYX 6102 |
| 89 E-51 137 | 6.99 | STV LA 887 | 0.58 | SG 125 | 1.16 | 9506-0081 |
| IF 1006 134 | 6.89 | 89 E-51 | 0.58 | SS 11038 | 1.15 | B 27 |
| ACALA MAXXA 133 | 6.65 | JBW HYBRID | 0.58 | 89 E-51 | 1.15 | JBW HYBRID |
| NC 72 126 | 6.63 | DPX 9065 | 0.57 | 9506-0081 | 1.14 | DPX 9065 |
| 94 L-25 125 | 6.10 | 9506-0081 | 0.57 | DPX 9065 | 1.14 | SG 125 |
| IF 1005 123 | 5.76 | DP 32 B | 0.56 | DP 32 B | 1.13 | DP 32 B |
| LSD | 0.98 | LSD | 0.02 | LSD | 0.03 | |
| LSD | 7 | | | | | |

| VARIETY | A | VARIETY | D | VARIETY | I | |
|----------------------|-----|---------|------|---------|------|---------|
| VARIETY | M | | | | | |
| ACALA MAXXA 94.75 | 464 | NC 72 | 30.7 | NC 72 | 1.77 | IF 1005 |

1997 National Cotton Variety Test

| | | | | | | |
|------------|-------|-------------|------|-------------|------|-------------|
| 94 L-25 | 451 | 94 L-25 | 29.3 | 94 L-25 | 1.74 | IF 1006 |
| 92.00 | | | | | | |
| NC 72 | 449 | STV LA 887 | 29.0 | STV LA 887 | 1.73 | Arkot |
| 8712 | 90.88 | | | | | |
| IF 1006 | 444 | 89 E-51 | 28.2 | 89 E-51 | 1.72 | 9506-0081 |
| 90.13 | | | | | | |
| STV LA 887 | 440 | B 210-3 | 27.7 | B 210-3 | 1.71 | PD 94035 |
| 89.50 | | | | | | |
| B 210-3 | 435 | GA 92-316 | 27.3 | GA 92-316 | 1.70 | GA 93-299 |
| 89.38 | | | | | | |
| PD 94035 | 429 | HYX 6102 | 26.8 | HYX 6102 | 1.69 | SS 11038 |
| 89.13 | | | | | | |
| 89 E-51 | 426 | ACALA MAXXA | 24.8 | ACALA MAXXA | 1.65 | SG 125 |
| 89.13 | | | | | | |
| GA 92-316 | 421 | B 27 | 24.7 | DP 32 B | 1.65 | JBW HYBRID |
| 88.70 | | | | | | |
| IF 1005 | 420 | DPX 9065 | 24.4 | B 27 | 1.65 | DP 32 B |
| 87.75 | | | | | | |
| GA 93-299 | 419 | DP 32 B | 24.4 | DPX 9065 | 1.65 | B 27 |
| 87.50 | | | | | | |
| JBW HYBRID | 416 | JBW HYBRID | 23.4 | JBW HYBRID | 1.61 | DPX 9065 |
| 87.50 | | | | | | |
| HYX 6102 | 416 | SS 11038 | 22.9 | SS 11038 | 1.61 | ACALA MAXXA |
| 87.30 | | | | | | |
| 9506-0081 | 410 | SG 125 | 22.8 | SG 125 | 1.61 | HYX 6102 |
| 86.10 | | | | | | |
| Arkot 8712 | 406 | GA 93-299 | 22.4 | GA 93-299 | 1.60 | GA 92- |
| 316 | 85.50 | | | | | |
| B 27 | 404 | PD 94035 | 22.1 | PD 94035 | 1.59 | B 210-3 |
| 85.13 | | | | | | |
| SG 125 | 404 | 9506-0081 | 21.8 | 9506-0081 | 1.58 | 89 E-51 |
| 84.88 | | | | | | |
| DPX 9065 | 397 | Arkot 8712 | 21.1 | Arkot 8712 | 1.56 | STV LA |
| 887 | 84.30 | | | | | |
| SS 11038 | 395 | IF 1006 | 19.4 | IF 1006 | 1.53 | 94 L-25 |
| 84.00 | | | | | | |
| DP 32 B | 395 | IF 1005 | 16.3 | IF 1005 | 1.46 | NC 72 |
| 83.00 | | | | | | |
| LSD | . | LSD | . | LSD | . | |
| LSD | . | | | | | |

| YIELD | | | | | | SEED |
|--------------------|-------|------------|------|------------|-----|------------|
| VARIETY | p | VARIETY | w | VARIETY | t | VARIETY |
| AC) | | | | | | (LB/ |
| DP 32 B 1713 | 52.38 | DP 32 B | 5.15 | SS 11038 | 3.2 | JBW HYBRID |
| DPX 9065 1701 | 52.04 | DPX 9065 | 5.07 | DP 32 B | 3.2 | Arkot 8712 |
| SS 11038 1698 | 51.29 | SS 11038 | 5.07 | Arkot 8712 | 3.2 | HYX 6102 |
| B 27 1681 | 51.13 | B 27 | 4.92 | DPX 9065 | 3.1 | DP 32 B |
| HYX 6102 1680 | 50.88 | SG 125 | 4.81 | 9506-0081 | 3.1 | STV LA 887 |
| GA 92-316 1673 | 50.72 | HYX 6102 | 4.76 | IF 1005 | 3.1 | SG 125 |
| 89 E-51 1668 | 50.60 | GA 92-316 | 4.69 | B 27 | 3.1 | IF 1006 |
| SG 125 1629 | 50.10 | Arkot 8712 | 4.66 | SG 125 | 3.1 | DPX 9065 |
| NC 72 1625 | 49.66 | 89 E-51 | 4.63 | JBW HYBRID | 3.0 | GA 92-316 |
| B 210-3 1608 | 49.37 | 9506-0081 | 4.56 | HYX 6102 | 3.0 | B 27 |
| STV LA 887 1579 | 49.35 | JBW HYBRID | 4.56 | GA 93-299 | 3.0 | SS 11038 |
| JBW HYBRID 1577 | 48.74 | GA 93-299 | 4.47 | GA 92-316 | 2.9 | NC 72 |
| 94 L-25 1564 | 48.48 | B 210-3 | 4.44 | PD 94035 | 2.9 | 9506-0081 |
| Arkot 8712 1528 | 48.41 | STV LA 887 | 4.38 | 89 E-51 | 2.9 | IF 1005 |
| 9506-0081 1528 | 48.16 | NC 72 | 4.36 | IF 1006 | 2.9 | B 210-3 |
| GA 93-299 1519 | 47.98 | PD 94035 | 4.23 | B 210-3 | 2.9 | PD 94035 |
| PD 94035 | 46.74 | 94 L-25 | 4.18 | STV LA 887 | 2.8 | 89 E-51 |

| | | | | | | |
|-------------|-------|-------------|------|-------------|-----|-------------|
| 1517 | | | | | | |
| ACALA MAXXA | 44.71 | IF 1005 | 4.04 | NC 72 | 2.8 | GA 93-299 |
| 1507 | | | | | | |
| IF 1005 | 43.56 | IF 1006 | 3.81 | 94 L-25 | 2.7 | 94 L-25 |
| 1487 | | | | | | |
| IF 1006 | 43.33 | ACALA MAXXA | 3.73 | ACALA MAXXA | 2.7 | ACALA MAXXA |
| 985 | | | | | | |
| LSD | . | LSD | . | LSD | . | LSD |
| 212 | | | | | | |

| VARIETY | OIL | VARIETY | NITR OGEN | VARIETY | FREE GOSSYPOL |
|-------------|-------|-------------|--------------|-------------|------------------|
| 9506-0081 | 22.37 | ACALA MAXXA | 4.19 | B 27 | 0.95 |
| 89 E-51 | 22.22 | DPX 9065 | 3.87 | DP 32 B | 0.93 |
| GA 93-299 | 20.76 | PD 94035 | 3.83 | JBW HYBRID | 0.90 |
| GA 92-316 | 20.63 | 94 L-25 | 3.81 | STV LA 887 | 0.89 |
| DPX 9065 | 20.46 | DP 32 B | 3.80 | 89 E-51 | 0.87 |
| Arkot 8712 | 20.28 | IF 1005 | 3.79 | HYX 6102 | 0.86 |
| IF 1006 | 19.98 | GA 92-316 | 3.74 | DPX 9065 | 0.86 |
| IF 1005 | 19.96 | B 210-3 | 3.72 | GA 92-316 | 0.85 |
| STV LA 887 | 19.66 | SG 125 | 3.72 | B 210-3 | 0.84 |
| ACALA MAXXA | 19.53 | GA 93-299 | 3.70 | SG 125 | 0.81 |
| 94 L-25 | 19.50 | B 27 | 3.70 | NC 72 | 0.81 |
| DP 32 B | 19.45 | IF 1006 | 3.68 | GA 93-299 | 0.80 |
| JBW HYBRID | 19.39 | 9506-0081 | 3.67 | SS 11038 | 0.77 |
| B 210-3 | 19.39 | SS 11038 | 3.67 | PD 94035 | 0.77 |
| SS 11038 | 19.32 | 89 E-51 | 3.66 | Arkot 8712 | 0.76 |
| B 27 | 19.22 | NC 72 | 3.56 | 94 L-25 | 0.69 |
| SG 125 | 19.21 | JBW HYBRID | 3.54 | ACALA MAXXA | 0.67 |
| NC 72 | 18.50 | STV LA 887 | 3.54 | 9506-0081 | 0.64 |
| HYX 6102 | 18.42 | Arkot 8712 | 3.49 | IF 1005 | 0.60 |
| PD 94035 | 17.81 | HYX 6102 | 3.43 | IF 1006 | 0.59 |
| LSD | 0.80 | LSD | 0.15 | LSD | 0.15 |

1997 NATIONAL COTTON VARIETY TEST
 1997 HIGH QUALITY REGION RESULTS
 SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|---------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| BOSSIER CITY, LA | 1333 | 5.25 | 39.7 | 10.5 | 143 | 1.16 | 0.58 | 226 |
| ROCKY MOUNT, NC | 1235 | 6.04 | 42.8 | 10.2 | . | . | . | . |
| TIFTON, GA | 1229 | 6.38 | 39.1 | 11.0 | . | . | . | . |
| FLORENCE, SC | 1005 | 4.80 | 42.4 | 10.2 | 123 | 1.13 | 0.55 | 215 |
| STONEVILLE, MS | 1002 | 5.24 | 39.5 | 10.9 | 146 | 1.17 | 0.59 | 241 |
| BELLE MINA, AL | 858 | 5.20 | 37.4 | 11.2 | 156 | 1.22 | 0.62 | 241 |
| COLLEGE STATION, TX | 768 | 5.28 | 38.9 | 11.7 | 154 | 1.15 | 0.59 | 264 |
| PORTAGEVILLE, MO | 630 | 5.44 | 37.7 | 12.3 | 129 | 1.20 | 0.60 | 210 |

| LOCATION | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|---------------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| BOSSIER CITY, LA | 7.30 | 5.04 | 1.16 | 84.7 | 32.0 | 9.7 | 69.7 | 7.0 | 4.94 | 2000 |
| ROCKY MOUNT, NC | . | . | . | . | . | . | . | . | . | 1636 |
| TIFTON, GA | . | . | . | . | . | . | . | . | . | 2018 |
| FLORENCE, SC | 7.97 | 4.88 | 1.12 | 82.5 | 29.6 | 9.6 | 71.1 | 7.3 | 4.73 | 1394 |
| STONEVILLE, MS | 6.81 | 5.09 | 1.16 | 84.9 | 34.7 | 10.0 | 76.3 | 8.3 | 4.93 | 1543 |
| BELLE MINA, AL | 8.22 | 4.28 | 1.23 | 86.9 | 32.9 | 10.2 | 76.6 | 8.3 | 4.10 | 1404 |
| COLLEGE STATION, TX | 6.00 | 4.10 | 1.20 | 85.9 | 36.0 | 9.8 | 66.0 | 6.7 | 4.10 | 553 |
| PORTAGEVILLE, MO | 8.42 | 4.38 | 1.20 | 83.7 | 28.3 | 9.7 | 70.7 | 8.2 | 4.13 | 1040 |

| LOCATION | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|------------------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| BOSSIER CITY, LA | 20.79 | 3.61 | 0.93 | 402 | 20.0 | 1.55 | 91.40 | 48.32 | 4.66 | 3.1 |
| ROCKY MOUNT, NC | . | . | . | . | . | . | . | . | . | . |
| TIFTON, GA | . | . | . | . | . | . | . | . | . | . |
| FLORENCE, SC | 19.61 | 3.94 | 0.79 | 412 | 20.3 | 1.55 | 91.28 | 47.38 | 4.48 | 3.1 |

| | | | | | | | | | | |
|---------------------|-------|------|------|-----|------|------|-------|-------|------|-----|
| STONEVILLE, MS | 20.25 | 3.68 | 0.64 | 399 | 22.7 | 1.61 | 88.98 | 50.66 | 4.93 | 3.1 |
| BELLE MINA, AL | 18.69 | 3.61 | 0.80 | 468 | 33.5 | 1.82 | 80.68 | 49.14 | 4.11 | 2.6 |
| COLLEGE STATION, TX | 18.74 | 4.17 | 0.56 | 456 | 22.0 | 1.60 | 90.00 | 43.99 | 3.73 | 2.7 |
| PORTAGEVILLE, MO | 18.52 | 3.42 | 1.04 | 471 | 36.1 | 1.88 | 78.67 | 50.03 | 4.11 | 2.5 |

1997 NATIONAL COTTON VARIETY TEST

1997 HIGH QUALITY SUB-REGION (71) RESULTS

VARIETIES COMBINED OVER SUB-REGIONS INCLUDING LOCATIONS: BOSSIER CITY, LA; COLLEGE STATION, TX
PORTAGEVILLE, MO; AND STONEVILLE, MS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 953 | SG 125 | 1092 | 5.41 | 40.5 | 10.9 | 125 | 1.15 | 0.58 |
| 893 | STV LA 887 | 1068 | 5.64 | 40.3 | 11.6 | 139 | 1.16 | 0.59 |
| 1058 | JBW HYBRID | 1056 | 4.93 | 39.4 | 9.9 | 132 | 1.17 | 0.58 |
| 1068 | DP 32 B | 1046 | 4.92 | 39.5 | 10.2 | 125 | 1.12 | 0.55 |
| 1067 | 9506-0081 | 1020 | 6.04 | 40.5 | 11.4 | 141 | 1.12 | 0.56 |
| 1064 | 94 L-25 | 988 | 6.05 | 36.4 | 13.8 | 146 | 1.19 | 0.59 |
| 1066 | B 210-3 | 984 | 5.12 | 38.8 | 10.7 | 147 | 1.21 | 0.59 |
| 1063 | Arkot 8712 | 975 | 5.43 | 38.4 | 11.4 | 146 | 1.18 | 0.60 |
| 1065 | NC 72 | 968 | 4.88 | 38.8 | 10.6 | 148 | 1.18 | 0.60 |
| 1057 | HYX 6102 | 951 | 4.44 | 37.8 | 10.0 | 137 | 1.19 | 0.60 |
| 1046 | 89 E-51 | 950 | 5.50 | 38.0 | 13.1 | 149 | 1.14 | 0.58 |
| 1061 | IF 1006 | 949 | 6.02 | 38.1 | 11.5 | 162 | 1.20 | 0.60 |
| 1069 | SS 11038 | 901 | 5.34 | 38.2 | 10.6 | 144 | 1.15 | 0.59 |
| 1091 | B 27 | 898 | 5.38 | 39.7 | 11.6 | 135 | 1.17 | 0.60 |
| 1092 | PD 94035 | 889 | 5.44 | 39.5 | 11.0 | 148 | 1.19 | 0.60 |
| 1062 | IF 1005 | 871 | 4.62 | 38.7 | 9.6 | 153 | 1.20 | 0.59 |
| 1093 | DPX 9065 | 853 | 5.19 | 38.9 | 11.4 | 132 | 1.15 | 0.58 |
| 1059 | GA 92-316 | 817 | 5.16 | 38.1 | 11.5 | 156 | 1.18 | 0.59 |
| 1060 | GA 93-299 | 774 | 5.41 | 39.6 | 11.4 | 155 | 1.16 | 0.59 |
| 773 | ACALA MAXXA | 616 | 5.26 | 40.1 | 12.4 | 160 | 1.15 | 0.59 |
| . | LSD | 144 | 0.34 | 1.3 | 0.6 | 5 | 0.02 | 0.01 |

| VCODE | T1 | E1 | MICRONAIRE | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC | SEED YIELD |
|-------|--------|------|------------|------|------|---------|------|------|-----------|------|------------|
| | mN/tex | | | S.L. | | (g/tex) | | | b READING | | (LB/AC) |
| 953 | 204 | 8.53 | 5.28 | 1.13 | 84.8 | 29.0 | 9.9 | 73.3 | 7.9 | 5.10 | 1662 |
| 893 | 220 | 8.17 | 4.77 | 1.15 | 83.8 | 31.5 | 9.8 | 71.7 | 8.4 | 4.58 | 1684 |
| 1058 | 223 | 7.58 | 4.98 | 1.13 | 84.0 | 31.2 | 9.7 | 73.8 | 7.5 | 4.83 | 1681 |
| 1068 | 215 | 7.58 | 5.28 | 1.10 | 83.8 | 30.0 | 9.9 | 74.0 | 7.1 | 5.38 | 1681 |
| 1067 | 221 | 7.00 | 5.03 | 1.10 | 83.9 | 32.3 | 9.6 | 73.5 | 7.4 | 4.93 | 1601 |
| 1064 | 238 | 5.33 | 4.83 | 1.20 | 84.8 | 33.8 | 9.2 | 72.3 | 8.3 | 4.70 | 1711 |
| 1066 | 241 | 9.03 | 4.88 | 1.20 | 85.6 | 33.5 | 10.5 | 71.0 | 8.7 | 4.83 | 1539 |
| 1063 | 229 | 7.50 | 5.38 | 1.20 | 85.3 | 32.3 | 10.0 | 72.5 | 7.7 | 5.15 | 1628 |
| 1065 | 240 | 6.25 | 4.73 | 1.18 | 85.2 | 34.5 | 9.5 | 74.0 | 7.6 | 4.48 | 1546 |
| 1057 | 218 | 8.17 | 4.97 | 1.18 | 84.5 | 31.7 | 9.9 | 72.5 | 7.6 | 4.75 | 1559 |
| 1046 | 237 | 6.45 | 5.00 | 1.15 | 85.3 | 33.5 | 9.8 | 71.8 | 7.3 | 4.85 | 1599 |
| 1061 | 239 | 6.25 | 4.85 | 1.20 | 85.4 | 34.5 | 9.6 | 74.8 | 7.3 | 4.73 | 1639 |
| 1069 | 241 | 7.50 | 5.30 | 1.10 | 84.3 | 35.3 | 10.0 | 71.8 | 8.0 | 5.18 | 1550 |
| 1091 | 228 | 7.58 | 5.45 | 1.18 | 85.6 | 32.0 | 10.0 | 72.0 | 8.0 | 5.25 | 1438 |
| 1092 | 228 | 7.13 | 4.90 | 1.20 | 85.0 | 32.0 | 9.7 | 73.0 | 7.3 | 4.73 | 1426 |
| 1062 | 247 | 5.25 | 4.90 | 1.18 | 85.0 | 35.5 | 9.5 | 75.5 | 7.1 | 4.93 | 1441 |
| 1093 | 211 | 6.88 | 5.30 | 1.15 | 84.4 | 30.0 | 9.8 | 72.5 | 7.7 | 5.15 | 1411 |
| 1059 | 247 | 6.63 | 5.05 | 1.20 | 85.1 | 36.3 | 10.0 | 71.3 | 7.9 | 4.93 | 1456 |
| 1060 | 245 | 6.13 | 5.13 | 1.15 | 85.0 | 36.0 | 10.0 | 72.0 | 7.8 | 5.00 | 1225 |
| 773 | 274 | 6.58 | 4.35 | 1.18 | 85.5 | 37.2 | 9.9 | 71.0 | 7.2 | 4.23 | 945 |
| . | 371 | 0.88 | 0.28 | 0.04 | 0.9 | 1.4 | 0.3 | 1.5 | 0.4 | 0.28 | 252 |

| VCODE | OIL | NITROGEN | FREE | A | D | I | M | p | w | t |
|-------|-------|----------|----------|-----|------|------|-------|-------|------|-----|
| | | | GOSSYPOL | | | | | | | |
| 953 | 19.44 | 3.63 | 0.80 | 392 | 23.1 | 1.62 | 89.00 | 51.78 | 5.11 | 3.2 |
| 893 | 20.40 | 3.47 | 0.98 | 431 | 28.7 | 1.73 | 84.33 | 50.34 | 4.55 | 2.9 |
| 1058 | 19.39 | 3.45 | 0.93 | 415 | 24.1 | 1.63 | 87.83 | 49.54 | 4.65 | 3.0 |
| 1068 | 20.00 | 3.75 | 0.88 | 377 | 23.1 | 1.62 | 88.75 | 53.89 | 5.53 | 3.3 |
| 1067 | 23.19 | 3.67 | 0.64 | 398 | 20.4 | 1.55 | 91.00 | 48.77 | 4.74 | 3.2 |
| 1064 | 20.01 | 3.73 | 0.71 | 426 | 23.6 | 1.63 | 88.50 | 47.95 | 4.36 | 3.0 |
| 1066 | 20.31 | 3.57 | 0.94 | 396 | 21.5 | 1.58 | 90.00 | 50.17 | 4.89 | 3.2 |
| 1063 | 20.76 | 3.45 | 0.75 | 386 | 20.1 | 1.55 | 91.25 | 50.62 | 5.09 | 3.3 |
| 1065 | 19.07 | 3.45 | 0.80 | 428 | 29.0 | 1.74 | 84.00 | 51.04 | 4.61 | 2.8 |
| 1057 | 18.47 | 3.37 | 0.82 | 418 | 27.4 | 1.70 | 85.50 | 51.20 | 4.79 | 3.0 |

1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 1046 | 23.59 | 3.52 | 1.00 | 402 | 22.8 | 1.61 | 89.00 | 50.37 | 4.85 | 3.1 |
| 1061 | 20.83 | 3.67 | 0.61 | 414 | 14.5 | 1.42 | 96.25 | 43.05 | 4.03 | 3.2 |
| 1069 | 20.45 | 3.66 | 0.77 | 376 | 19.1 | 1.53 | 92.25 | 51.25 | 5.29 | 3.4 |
| 1091 | 20.27 | 3.64 | 0.92 | 381 | 20.3 | 1.56 | 91.00 | 51.32 | 5.21 | 3.3 |
| 1092 | 18.42 | 3.77 | 0.77 | 419 | 19.6 | 1.54 | 91.50 | 46.22 | 4.26 | 3.0 |
| 1062 | 20.87 | 3.67 | 0.54 | 398 | 12.5 | 1.37 | 97.75 | 43.33 | 4.22 | 3.3 |
| 1093 | 21.17 | 3.97 | 0.81 | 387 | 23.4 | 1.63 | 88.00 | 52.75 | 5.27 | 3.2 |
| 1059 | 21.16 | 3.68 | 0.79 | 412 | 24.3 | 1.65 | 87.50 | 50.20 | 4.72 | 3.0 |
| 1060 | 21.34 | 3.60 | 0.78 | 388 | 20.5 | 1.56 | 91.00 | 50.49 | 5.03 | 3.2 |
| 773 | 19.53 | 4.19 | 0.61 | 452 | 22.7 | 1.61 | 89.00 | 44.69 | 3.82 | 2.7 |
| . | 0.76 | 0.18 | 0.12 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST

1997 HIGH QUALITY SUB-REGION (72) RESULTS

VARIETIES COMBINED OVER SUB-REGIONS INCLUDING LOCATIONS: ROCKY MOUNT, NC; TIFTON, GA;
FLORENCE, SC, AND BELLE MINA, AL

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 1093 | DPX 9065 | 1219 | 4.99 | 41.3 | 10.7 | 119 | 1.13 | 0.56 |
| 1058 | JBW HYBRID | 1215 | 5.45 | 41.0 | 9.9 | 135 | 1.17 | 0.57 |
| 1063 | Arkot 8712 | 1191 | 5.70 | 40.1 | 10.7 | 139 | 1.18 | 0.59 |
| 953 | SG 125 | 1159 | 5.53 | 41.3 | 10.4 | 126 | 1.17 | 0.60 |
| 1057 | HYX 6102 | 1156 | 5.28 | 39.0 | 9.9 | 139 | 1.18 | 0.59 |
| 1068 | DP 32 B | 1153 | 5.57 | 40.0 | 10.1 | 122 | 1.14 | 0.56 |
| 1091 | B 27 | 1142 | 5.63 | 40.2 | 11.0 | 132 | 1.20 | 0.60 |
| 1060 | GA 93-299 | 1141 | 5.75 | 41.4 | 11.0 | 153 | 1.18 | 0.60 |
| 893 | STV LA 887 | 1131 | 6.27 | 41.7 | 11.4 | 139 | 1.17 | 0.58 |
| 1061 | IF 1006 | 1120 | 5.95 | 39.8 | 10.6 | 157 | 1.19 | 0.61 |
| 1067 | 9506-0081 | 1106 | 6.40 | 41.8 | 10.8 | 132 | 1.17 | 0.58 |
| 1069 | SS 11038 | 1103 | 5.60 | 40.5 | 10.2 | 142 | 1.15 | 0.58 |
| 1092 | PD 94035 | 1084 | 5.70 | 41.6 | 10.5 | 138 | 1.18 | 0.60 |
| 1065 | NC 72 | 1076 | 5.12 | 41.3 | 9.9 | 142 | 1.17 | 0.58 |
| 1059 | GA 92-316 | 1073 | 5.24 | 39.6 | 10.6 | 143 | 1.18 | 0.59 |

1997 National Cotton Variety Test

| | | | | | | | | |
|------|-------------|------|------|------|------|-----|------|------|
| 1062 | IF 1005 | 1013 | 4.49 | 40.6 | 9.0 | 152 | 1.18 | 0.59 |
| 1066 | B 210-3 | 1011 | 5.46 | 39.6 | 10.0 | 146 | 1.25 | 0.62 |
| 1046 | 89 E-51 | 996 | 5.77 | 39.1 | 11.8 | 140 | 1.16 | 0.58 |
| 1064 | 94 L-25 | 846 | 6.16 | 38.1 | 13.0 | 133 | 1.20 | 0.58 |
| 773 | ACALA MAXXA | 702 | 6.05 | 41.1 | 11.9 | 156 | 1.20 | 0.60 |
| . | LSD | 167 | 0.54 | 1.3 | 0.6 | 13 | 0.05 | 0.03 |

| VCODE | T1 | | MICRONAIRE | 2.5 | | STRN | | HUNTERS | | SEED YIELD | |
|-------|--------|------|------------|------|------|---------|------|---------|-----------|------------|---------|
| | mN/tex | E1 | | S.L. | UNIF | (g/tex) | E | RD | b READING | MIC | (LB/AC) |
| 1093 | 196 | 8.13 | 4.85 | 1.13 | 83.6 | 27.5 | 9.9 | 73.3 | 7.7 | 4.75 | 1793 |
| 1058 | 232 | 8.65 | 4.95 | 1.15 | 84.6 | 32.0 | 9.9 | 74.8 | 7.6 | 4.55 | 1737 |
| 1063 | 218 | 8.83 | 4.83 | 1.18 | 85.1 | 29.8 | 10.2 | 73.3 | 7.7 | 4.65 | 1756 |
| 953 | 201 | 9.20 | 4.75 | 1.15 | 84.5 | 27.5 | 10.2 | 72.8 | 8.0 | 4.65 | 1681 |
| 1057 | 228 | 9.08 | 4.80 | 1.20 | 85.5 | 32.0 | 10.5 | 74.8 | 7.8 | 4.75 | 1803 |
| 1068 | 201 | 8.15 | 4.98 | 1.13 | 83.7 | 29.8 | 10.0 | 75.5 | 7.7 | 4.85 | 1680 |
| 1091 | 223 | 8.70 | 4.80 | 1.20 | 85.6 | 31.3 | 10.0 | 72.0 | 8.5 | 4.68 | 1736 |
| 1060 | 253 | 8.13 | 4.60 | 1.18 | 84.5 | 33.5 | 9.9 | 74.3 | 7.8 | 4.40 | 1719 |
| 893 | 235 | 8.83 | 4.48 | 1.15 | 83.9 | 31.0 | 10.0 | 73.0 | 8.3 | 4.35 | 1677 |
| 1061 | 241 | 7.53 | 4.08 | 1.23 | 86.0 | 32.0 | 9.5 | 74.5 | 7.1 | 4.00 | 1690 |
| 1067 | 208 | 8.20 | 4.68 | 1.15 | 83.9 | 29.8 | 9.8 | 75.0 | 7.5 | 4.50 | 1536 |
| 1069 | 239 | 8.45 | 4.88 | 1.15 | 83.3 | 33.5 | 10.3 | 72.5 | 8.5 | 4.78 | 1601 |
| 1092 | 225 | 7.65 | 4.68 | 1.18 | 84.9 | 30.3 | 9.8 | 74.8 | 7.6 | 4.55 | 1589 |
| 1065 | 234 | 7.00 | 4.23 | 1.18 | 85.1 | 32.3 | 9.6 | 74.8 | 7.9 | 4.08 | 1601 |
| 1059 | 243 | 8.15 | 4.85 | 1.18 | 84.7 | 32.8 | 10.0 | 71.8 | 7.9 | 4.60 | 1752 |
| 1062 | 254 | 6.28 | 4.38 | 1.20 | 84.6 | 32.5 | 9.2 | 75.3 | 7.3 | 4.18 | 1594 |
| 1066 | 232 | 9.75 | 4.13 | 1.25 | 86.0 | 33.5 | 10.5 | 72.3 | 8.0 | 4.03 | 1520 |
| 1046 | 226 | 7.53 | 4.45 | 1.15 | 84.5 | 31.3 | 9.7 | 75.0 | 7.5 | 4.23 | 1456 |
| 1064 | 220 | 6.88 | 4.13 | 1.23 | 84.7 | 30.0 | 9.0 | 72.3 | 8.1 | 3.80 | 1319 |
| 773 | 247 | 6.75 | 4.10 | 1.18 | 85.5 | 33.0 | 9.6 | 75.3 | 7.9 | 3.90 | 1025 |
| . | 288 | 2.07 | 0.43 | 0.07 | 1.4 | 2.4 | 0.5 | 2.1 | 0.7 | 0.55 | 234 |

| VCODE | FREE | | | | | | | | | | |
|-------|-------|----------|------|----------|------|------|-------|-------|------|-----|---|
| | OIL | NITROGEN | | GOSSYPOL | A | D | I | M | p | w | t |
| 1093 | 19.75 | 3.78 | 0.91 | 408 | 25.4 | 1.67 | 87.00 | 51.32 | 4.87 | 3.0 | |
| 1058 | 19.38 | 3.68 | 0.86 | 418 | 22.3 | 1.59 | 90.00 | 47.54 | 4.41 | 3.1 | |
| 1063 | 19.81 | 3.53 | 0.78 | 427 | 22.0 | 1.57 | 90.50 | 46.19 | 4.24 | 3.1 | |

1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 953 | 18.97 | 3.80 | 0.83 | 417 | 22.5 | 1.60 | 89.25 | 48.41 | 4.52 | 3.0 |
| 1057 | 18.35 | 3.52 | 0.91 | 414 | 25.8 | 1.67 | 87.00 | 50.41 | 4.73 | 3.1 |
| 1068 | 18.89 | 3.86 | 0.98 | 412 | 25.6 | 1.67 | 86.75 | 50.87 | 4.77 | 3.0 |
| 1091 | 18.17 | 3.77 | 0.98 | 428 | 29.1 | 1.74 | 84.00 | 50.93 | 4.62 | 2.9 |
| 1060 | 20.17 | 3.81 | 0.82 | 451 | 24.4 | 1.64 | 87.75 | 45.47 | 3.92 | 2.8 |
| 893 | 18.56 | 3.65 | 0.77 | 454 | 29.4 | 1.73 | 84.25 | 47.88 | 4.14 | 2.8 |
| 1061 | 19.13 | 3.69 | 0.58 | 473 | 24.4 | 1.64 | 87.75 | 43.60 | 3.58 | 2.7 |
| 1067 | 21.54 | 3.67 | 0.64 | 423 | 23.1 | 1.61 | 89.25 | 47.54 | 4.39 | 3.0 |
| 1069 | 18.18 | 3.68 | 0.78 | 413 | 26.6 | 1.69 | 86.00 | 51.34 | 4.84 | 3.0 |
| 1092 | 17.20 | 3.89 | 0.77 | 438 | 24.5 | 1.65 | 87.50 | 47.26 | 4.19 | 2.8 |
| 1065 | 17.93 | 3.68 | 0.82 | 470 | 32.4 | 1.80 | 82.00 | 48.29 | 4.11 | 2.7 |
| 1059 | 20.09 | 3.79 | 0.90 | 430 | 30.3 | 1.76 | 83.50 | 51.24 | 4.65 | 2.9 |
| 1062 | 19.04 | 3.91 | 0.66 | 441 | 20.0 | 1.54 | 91.75 | 43.80 | 3.87 | 2.9 |
| 1066 | 18.46 | 3.87 | 0.75 | 474 | 33.9 | 1.83 | 80.25 | 48.58 | 4.00 | 2.6 |
| 1046 | 20.86 | 3.80 | 0.74 | 450 | 33.6 | 1.82 | 80.75 | 50.84 | 4.40 | 2.7 |
| 1064 | 18.98 | 3.88 | 0.68 | 476 | 34.9 | 1.85 | 79.50 | 49.02 | 4.00 | 2.5 |
| 773 | 19.53 | 4.20 | 0.77 | 481 | 28.0 | 1.72 | 84.75 | 44.76 | 3.59 | 2.6 |
| . | 1.19 | 0.16 | 0.24 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST
 1997 HIGH QUALITY REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

 LOCATION=COLLEGE STATION, TX

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 953 | SG 125 | 976 | . | . | . | . | . | . |
| 1066 | B 210-3 | 955 | . | . | . | . | . | . |
| 1064 | 94 L-25 | 938 | . | . | . | . | . | . |
| 1058 | JBW HYBRID | 929 | . | . | . | . | . | . |
| 1065 | NC 72 | 916 | . | . | . | . | . | . |
| 1063 | Arkot 8712 | 874 | . | . | . | . | . | . |
| 1068 | DP 32 B | 870 | . | . | . | . | . | . |
| 893 | STV LA 887 | 854 | . | . | . | . | . | . |
| 1061 | IF 1006 | 804 | . | . | . | . | . | . |

1997 National Cotton Variety Test

| | | | | | | | | | |
|------|-------------|-----|------|------|------|-----|------|------|---|
| 1067 | 9506-0081 | 794 | . | . | . | . | . | . | . |
| 1046 | 89 E-51 | 793 | . | . | . | . | . | . | . |
| 1057 | HYX 6102 | 792 | . | . | . | . | . | . | . |
| 1092 | PD 94035 | 734 | . | . | . | . | . | . | . |
| 1062 | IF 1005 | 693 | . | . | . | . | . | . | . |
| 1069 | SS 11038 | 648 | . | . | . | . | . | . | . |
| 1093 | DPX 9065 | 646 | . | . | . | . | . | . | . |
| 1091 | B 27 | 635 | . | . | . | . | . | . | . |
| 1059 | GA 92-316 | 611 | . | . | . | . | . | . | . |
| 1060 | GA 93-299 | 567 | . | . | . | . | . | . | . |
| 773 | ACALA MAXXA | 334 | 5.28 | 38.9 | 11.7 | 154 | 1.15 | 0.59 | |
| . | LSD | 206 | 0.46 | 1.5 | 0.7 | 11 | 0.02 | 0.03 | |

| VCODE | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC | SEED YIELD |
|-------|--------|------|-------|------|------|---------|-----|------|-----------|------|------------|
| | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | | (LB/AC) |
| 953 | . | . | . | . | . | . | . | . | . | . | . |
| 1066 | . | . | . | . | . | . | . | . | . | . | . |
| 1064 | . | . | . | . | . | . | . | . | . | . | . |
| 1058 | . | . | . | . | . | . | . | . | . | . | . |
| 1065 | . | . | . | . | . | . | . | . | . | . | . |
| 1063 | . | . | . | . | . | . | . | . | . | . | . |
| 1068 | . | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . | . |
| 1061 | . | . | . | . | . | . | . | . | . | . | . |
| 1067 | . | . | . | . | . | . | . | . | . | . | . |
| 1046 | . | . | . | . | . | . | . | . | . | . | . |
| 1057 | . | . | . | . | . | . | . | . | . | . | . |
| 1092 | . | . | . | . | . | . | . | . | . | . | . |
| 1062 | . | . | . | . | . | . | . | . | . | . | . |
| 1069 | . | . | . | . | . | . | . | . | . | . | . |
| 1093 | . | . | . | . | . | . | . | . | . | . | . |
| 1091 | . | . | . | . | . | . | . | . | . | . | . |
| 1059 | . | . | . | . | . | . | . | . | . | . | . |
| 1060 | . | . | . | . | . | . | . | . | . | . | . |
| 773 | 264 | 6.00 | 4.10 | 1.20 | 85.9 | 36.0 | 9.8 | 66.0 | 6.7 | 4.10 | 553 |
| . | . | 1.43 | 0.54 | 0.10 | 1.8 | 3.0 | 0.5 | 2.4 | 0.8 | 0.48 | 0 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 953 | . | . | . | . | . | . | . | . | . | . |
| 1066 | . | . | . | . | . | . | . | . | . | . |
| 1064 | . | . | . | . | . | . | . | . | . | . |
| 1058 | . | . | . | . | . | . | . | . | . | . |
| 1065 | . | . | . | . | . | . | . | . | . | . |
| 1063 | . | . | . | . | . | . | . | . | . | . |
| 1068 | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . |
| 1061 | . | . | . | . | . | . | . | . | . | . |
| 1067 | . | . | . | . | . | . | . | . | . | . |
| 1046 | . | . | . | . | . | . | . | . | . | . |
| 1057 | . | . | . | . | . | . | . | . | . | . |
| 1092 | . | . | . | . | . | . | . | . | . | . |
| 1062 | . | . | . | . | . | . | . | . | . | . |
| 1069 | . | . | . | . | . | . | . | . | . | . |
| 1093 | . | . | . | . | . | . | . | . | . | . |
| 1091 | . | . | . | . | . | . | . | . | . | . |
| 1059 | . | . | . | . | . | . | . | . | . | . |
| 1060 | . | . | . | . | . | . | . | . | . | . |
| 773 | 18.74 | 4.17 | 0.56 | 456 | 22.0 | 1.60 | 90.00 | 43.99 | 3.73 | 2.7 |
| . | 1.41 | 0.35 | 0.11 | . | . | . | . | . | . | . |

LOCATION=BOSSIER CITY, LA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 1068 | DP 32 B | 1603 | 5.08 | 39.6 | 9.3 | 123 | 1.11 | 0.54 |
| 1058 | JBW HYBRID | 1553 | 4.98 | 40.3 | 9.4 | 135 | 1.15 | 0.55 |
| 1057 | HYX 6102 | 1503 | 4.54 | 39.9 | 9.0 | 137 | 1.17 | 0.59 |
| 953 | SG 125 | 1480 | 5.21 | 41.0 | 10.5 | 128 | 1.15 | 0.58 |
| 893 | STV LA 887 | 1478 | 6.03 | 41.5 | 11.6 | 143 | 1.15 | 0.57 |
| 1065 | NC 72 | 1448 | 4.97 | 40.3 | 10.2 | 145 | 1.17 | 0.59 |
| 1062 | IF 1005 | 1419 | 4.66 | 39.3 | 9.0 | 148 | 1.20 | 0.59 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 1068 | 20.20 | 3.86 | 0.92 | 373 | 21.0 | 1.58 | 90.50 | 53.07 | 5.51 | 3.4 |
| 1058 | 20.11 | 3.38 | 1.11 | 401 | 18.3 | 1.51 | 92.50 | 47.35 | 4.58 | 3.2 |
| 1057 | 18.96 | 3.35 | 1.01 | 392 | 22.0 | 1.60 | 89.50 | 51.01 | 5.03 | 3.2 |
| 953 | 19.83 | 3.58 | 1.00 | 393 | 20.3 | 1.55 | 91.50 | 49.54 | 4.87 | 3.2 |
| 893 | 21.42 | 3.41 | 1.17 | 396 | 21.0 | 1.58 | 90.50 | 49.86 | 4.87 | 3.2 |
| 1065 | 19.57 | 3.41 | 0.96 | 419 | 24.0 | 1.64 | 88.00 | 49.18 | 4.54 | 3.0 |
| 1062 | 21.83 | 3.69 | 0.68 | 396 | 11.5 | 1.35 | 98.50 | 42.66 | 4.16 | 3.4 |
| 1069 | 20.50 | 3.68 | 0.73 | 392 | 19.0 | 1.53 | 92.50 | 49.04 | 4.85 | 3.2 |
| 1067 | 23.19 | 3.75 | 0.75 | 390 | 12.8 | 1.38 | 97.50 | 44.29 | 4.41 | 3.5 |
| 1066 | 20.47 | 3.37 | 1.09 | 394 | 18.8 | 1.52 | 92.50 | 48.52 | 4.76 | 3.2 |
| 1092 | 18.37 | 3.71 | 0.90 | 423 | 19.3 | 1.54 | 92.00 | 45.60 | 4.17 | 3.0 |
| 1061 | 20.70 | 3.73 | 0.65 | 404 | 16.3 | 1.46 | 95.00 | 45.36 | 4.35 | 3.2 |
| 1093 | 21.45 | 4.14 | 0.90 | 392 | 23.0 | 1.62 | 88.50 | 51.83 | 5.12 | 3.2 |
| 1046 | 23.19 | 3.36 | 1.17 | 404 | 22.3 | 1.60 | 89.50 | 49.87 | 4.79 | 3.1 |
| 1060 | 21.91 | 3.43 | 0.98 | 384 | 20.0 | 1.55 | 91.50 | 50.72 | 5.11 | 3.3 |
| 1064 | 20.45 | 3.65 | 0.85 | 447 | 28.3 | 1.73 | 84.50 | 48.59 | 4.22 | 2.8 |
| 1059 | 21.46 | 3.62 | 0.95 | 422 | 23.0 | 1.62 | 88.50 | 48.14 | 4.41 | 3.0 |
| 1063 | 21.25 | 3.32 | 0.90 | 395 | 19.8 | 1.55 | 91.50 | 49.27 | 4.85 | 3.2 |
| 1091 | 20.26 | 3.61 | 1.08 | 389 | 17.8 | 1.50 | 93.50 | 48.44 | 4.82 | 3.3 |
| 773 | 20.70 | 4.22 | 0.82 | 447 | 21.0 | 1.57 | 90.00 | 44.18 | 3.82 | 2.8 |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=STONEVILLE, MS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-----------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 1068 | DP 32 B | 1184 | 4.98 | 39.7 | 10.1 | 127 | 1.13 | 0.57 |
| 1067 | 9506-0081 | 1114 | 5.86 | 40.8 | 11.1 | 141 | 1.13 | 0.58 |
| 953 | SG 125 | 1078 | 5.29 | 41.6 | 10.8 | 122 | 1.14 | 0.58 |
| 1061 | IF 1006 | 1069 | 6.01 | 39.5 | 10.8 | 172 | 1.21 | 0.60 |
| 1057 | HYX 6102 | 1065 | 4.72 | 39.5 | 9.5 | 144 | 1.19 | 0.60 |

1997 National Cotton Variety Test

| | | | | | | | | |
|------|-------------|------|------|------|------|-----|------|------|
| 1063 | Arkot 8712 | 1059 | 5.36 | 39.0 | 11.3 | 150 | 1.19 | 0.60 |
| 893 | STV LA 887 | 1047 | 5.52 | 40.7 | 10.9 | 145 | 1.13 | 0.59 |
| 1069 | SS 11038 | 1046 | 5.31 | 39.0 | 10.5 | 142 | 1.15 | 0.60 |
| 1091 | B 27 | 1046 | 5.60 | 40.6 | 11.0 | 135 | 1.19 | 0.61 |
| 1058 | JBW HYBRID | 1037 | 4.93 | 39.2 | 9.5 | 135 | 1.16 | 0.59 |
| 1046 | 89 E-51 | 1010 | 5.42 | 37.7 | 12.4 | 146 | 1.13 | 0.59 |
| 1066 | B 210-3 | 1008 | 5.13 | 39.0 | 10.2 | 147 | 1.21 | 0.60 |
| 1065 | NC 72 | 988 | 4.86 | 39.2 | 10.7 | 152 | 1.19 | 0.60 |
| 1060 | GA 93-299 | 977 | 5.00 | 39.8 | 11.4 | 154 | 1.15 | 0.59 |
| 1064 | 94 L-25 | 954 | 6.07 | 36.2 | 13.7 | 143 | 1.19 | 0.60 |
| 1059 | GA 92-316 | 947 | 5.43 | 38.7 | 11.4 | 158 | 1.18 | 0.60 |
| 1062 | IF 1005 | 923 | 4.44 | 39.6 | 9.5 | 159 | 1.19 | 0.60 |
| 1092 | PD 94035 | 921 | 5.24 | 39.1 | 10.8 | 153 | 1.19 | 0.60 |
| 1093 | DPX 9065 | 898 | 4.79 | 39.9 | 11.2 | 132 | 1.15 | 0.59 |
| 773 | ACALA MAXXA | 671 | 4.76 | 41.3 | 11.7 | 162 | 1.13 | 0.58 |
| . | LSD | 156 | 0.54 | 1.4 | 0.6 | . | . | . |

| VCODE | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | MIC | SEED YIELD |
|-------|--------|------|-------|------|------|---------|------|------|-----------|------|------------|
| | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | | (LB/AC) |
| 1068 | 219 | 7.40 | 5.25 | 1.10 | 83.6 | 31.0 | 10.0 | 77.5 | 8.0 | 5.40 | 1873 |
| 1067 | 231 | 6.75 | 4.90 | 1.10 | 83.8 | 34.5 | 10.0 | 77.5 | 8.1 | 4.75 | 1606 |
| 953 | 205 | 7.80 | 5.15 | 1.15 | 84.7 | 29.5 | 10.0 | 76.5 | 8.3 | 5.00 | 1531 |
| 1061 | 251 | 6.50 | 4.70 | 1.20 | 85.7 | 36.5 | 9.9 | 77.5 | 7.6 | 4.55 | 1769 |
| 1057 | 225 | 7.50 | 5.35 | 1.20 | 85.3 | 35.5 | 10.0 | 78.5 | 8.2 | 5.15 | 1694 |
| 1063 | 242 | 6.50 | 5.55 | 1.20 | 85.5 | 33.5 | 10.0 | 76.0 | 8.3 | 5.15 | 1658 |
| 893 | 240 | 7.50 | 4.80 | 1.10 | 83.7 | 34.5 | 10.0 | 74.5 | 9.2 | 4.65 | 1541 |
| 1069 | 253 | 7.00 | 5.60 | 1.10 | 84.4 | 36.5 | 10.0 | 75.5 | 8.9 | 5.45 | 1594 |
| 1091 | 236 | 7.65 | 5.50 | 1.20 | 85.9 | 33.5 | 10.0 | 76.0 | 8.7 | 5.20 | 1514 |
| 1058 | 240 | 7.75 | 5.25 | 1.10 | 84.6 | 34.5 | 9.9 | 78.5 | 8.1 | 5.10 | 1604 |
| 1046 | 241 | 5.90 | 5.00 | 1.15 | 85.1 | 34.0 | 10.0 | 75.5 | 8.2 | 4.95 | 1632 |
| 1066 | 236 | 9.05 | 5.05 | 1.20 | 85.9 | 35.0 | 11.0 | 73.0 | 9.3 | 4.90 | 1570 |
| 1065 | 248 | 6.75 | 4.70 | 1.15 | 84.9 | 35.5 | 9.6 | 78.0 | 8.3 | 4.30 | 1560 |
| 1060 | 252 | 6.25 | 5.15 | 1.15 | 84.9 | 37.5 | 10.0 | 75.0 | 8.6 | 4.95 | 1430 |
| 1064 | 248 | 4.65 | 4.85 | 1.20 | 84.9 | 35.5 | 9.5 | 74.5 | 8.8 | 4.85 | 1620 |
| 1059 | 260 | 6.50 | 5.20 | 1.20 | 85.6 | 38.0 | 10.0 | 75.0 | 8.5 | 5.05 | 1574 |
| 1062 | 261 | 5.25 | 5.00 | 1.15 | 85.2 | 38.0 | 9.8 | 78.5 | 7.8 | 4.95 | 1326 |
| 1092 | 247 | 7.25 | 4.90 | 1.20 | 85.8 | 33.5 | 10.0 | 77.0 | 8.0 | 4.65 | 1437 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|-----|------|------|
| 1093 | 212 | 6.50 | 5.40 | 1.10 | 84.4 | 29.5 | 9.7 | 75.5 | 8.4 | 5.30 | 1359 |
| 773 | 281 | 5.75 | 4.45 | 1.15 | 84.8 | 38.5 | 10.0 | 76.0 | 8.0 | 4.20 | 971 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | P | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 1068 | 19.80 | 3.64 | 0.84 | 382 | 25.3 | 1.67 | 87.00 | 54.72 | 5.54 | 3.3 |
| 1067 | 23.20 | 3.60 | 0.53 | 406 | 28.0 | 1.72 | 84.50 | 53.25 | 5.08 | 3.0 |
| 953 | 19.05 | 3.69 | 0.60 | 391 | 26.0 | 1.68 | 86.50 | 54.02 | 5.35 | 3.2 |
| 1061 | 20.97 | 3.61 | 0.57 | 425 | 12.8 | 1.38 | 97.50 | 40.75 | 3.71 | 3.1 |
| 1057 | 18.16 | 3.45 | 0.48 | 386 | 22.8 | 1.61 | 89.00 | 52.29 | 5.24 | 3.3 |
| 1063 | 20.28 | 3.58 | 0.60 | 378 | 20.5 | 1.56 | 91.00 | 51.98 | 5.33 | 3.3 |
| 893 | 20.21 | 3.55 | 0.66 | 420 | 25.3 | 1.66 | 86.50 | 49.78 | 4.59 | 3.0 |
| 1069 | 20.40 | 3.64 | 0.81 | 360 | 19.3 | 1.53 | 92.00 | 53.46 | 5.74 | 3.6 |
| 1091 | 20.28 | 3.68 | 0.76 | 374 | 22.8 | 1.61 | 88.50 | 54.21 | 5.61 | 3.4 |
| 1058 | 20.33 | 3.49 | 0.64 | 384 | 23.0 | 1.61 | 89.00 | 52.85 | 5.33 | 3.3 |
| 1046 | 23.99 | 3.68 | 0.84 | 400 | 23.3 | 1.62 | 88.50 | 50.87 | 4.91 | 3.1 |
| 1066 | 20.15 | 3.77 | 0.80 | 399 | 24.3 | 1.65 | 87.50 | 51.83 | 5.03 | 3.1 |
| 1065 | 18.58 | 3.49 | 0.64 | 438 | 34.0 | 1.84 | 80.00 | 52.89 | 4.69 | 2.7 |
| 1060 | 20.78 | 3.77 | 0.57 | 393 | 21.0 | 1.58 | 90.50 | 50.26 | 4.95 | 3.2 |
| 1064 | 19.58 | 3.81 | 0.57 | 406 | 19.0 | 1.53 | 92.50 | 47.31 | 4.51 | 3.2 |
| 1059 | 20.87 | 3.75 | 0.63 | 403 | 25.5 | 1.67 | 86.50 | 52.25 | 5.04 | 3.1 |
| 1062 | 19.91 | 3.66 | 0.41 | 400 | 13.5 | 1.39 | 97.00 | 44.01 | 4.28 | 3.3 |
| 1092 | 18.46 | 3.84 | 0.65 | 415 | 20.0 | 1.55 | 91.00 | 46.85 | 4.36 | 3.1 |
| 1093 | 20.89 | 3.81 | 0.72 | 382 | 23.8 | 1.64 | 87.50 | 53.68 | 5.43 | 3.3 |
| 773 | 19.14 | 4.19 | 0.44 | 454 | 25.0 | 1.66 | 87.00 | 45.89 | 3.92 | 2.7 |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=PORTAGEVILLE, MO

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 893 | STV LA 887 | 892 | 5.38 | 38.7 | 12.3 | 131 | 1.19 | 0.60 |
| 1064 | 94 L-25 | 861 | 5.99 | 35.2 | 15.5 | . | . | . |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|-----|------|-----|
| 1059 | . | . | . | . | . | . | . | . | . | . | 882 |
| 1062 | . | . | . | . | . | . | . | . | . | . | 759 |
| 1057 | 215 | 9.50 | 4.40 | 1.20 | 84.2 | 28.0 | 10.0 | 70.0 | 8.2 | 4.10 | 856 |
| 1060 | . | . | . | . | . | . | . | . | . | . | 546 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 893 | 19.57 | 3.47 | 1.11 | 476 | 39.8 | 1.95 | 76.00 | 51.37 | 4.18 | 2.5 |
| 1064 | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . |
| 1067 | . | . | . | . | . | . | . | . | . | . |
| 1091 | . | . | . | . | . | . | . | . | . | . |
| 1063 | . | . | . | . | . | . | . | . | . | . |
| 1046 | . | . | . | . | . | . | . | . | . | . |
| 1058 | 17.72 | 3.48 | 1.03 | 462 | 31.0 | 1.78 | 82.00 | 48.42 | 4.05 | 2.6 |
| 1066 | . | . | . | . | . | . | . | . | . | . |
| 1061 | . | . | . | . | . | . | . | . | . | . |
| 1092 | . | . | . | . | . | . | . | . | . | . |
| 1093 | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . |
| 1068 | . | . | . | . | . | . | . | . | . | . |
| 1065 | . | . | . | . | . | . | . | . | . | . |
| 1069 | . | . | . | . | . | . | . | . | . | . |
| 1059 | . | . | . | . | . | . | . | . | . | . |
| 1062 | . | . | . | . | . | . | . | . | . | . |
| 1057 | 18.28 | 3.31 | 0.98 | 476 | 37.5 | 1.91 | 78.00 | 50.30 | 4.09 | 2.5 |
| 1060 | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=TIFTON, GA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|---------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
|-------|---------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|---|------|
| 1046 | . | . | . | . | . | . | . | . | . | . | 1845 |
| 1091 | . | . | . | . | . | . | . | . | . | . | 2153 |
| 1059 | . | . | . | . | . | . | . | . | . | . | 1963 |
| 1057 | . | . | . | . | . | . | . | . | . | . | 2013 |
| 1064 | . | . | . | . | . | . | . | . | . | . | 1995 |
| 773 | . | . | . | . | . | . | . | . | . | . | 1125 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----|--------------|------------------|---|---|---|---|---|---|---|
| 1061 | . | . | . | . | . | . | . | . | . | . |
| 1058 | . | . | . | . | . | . | . | . | . | . |
| 1067 | . | . | . | . | . | . | . | . | . | . |
| 1093 | . | . | . | . | . | . | . | . | . | . |
| 953 | . | . | . | . | . | . | . | . | . | . |
| 1066 | . | . | . | . | . | . | . | . | . | . |
| 1062 | . | . | . | . | . | . | . | . | . | . |
| 1069 | . | . | . | . | . | . | . | . | . | . |
| 893 | . | . | . | . | . | . | . | . | . | . |
| 1092 | . | . | . | . | . | . | . | . | . | . |
| 1065 | . | . | . | . | . | . | . | . | . | . |
| 1063 | . | . | . | . | . | . | . | . | . | . |
| 1068 | . | . | . | . | . | . | . | . | . | . |
| 1060 | . | . | . | . | . | . | . | . | . | . |
| 1046 | . | . | . | . | . | . | . | . | . | . |
| 1091 | . | . | . | . | . | . | . | . | . | . |
| 1059 | . | . | . | . | . | . | . | . | . | . |
| 1057 | . | . | . | . | . | . | . | . | . | . |
| 1064 | . | . | . | . | . | . | . | . | . | . |
| 773 | . | . | . | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=FLORENCE, SC

LINT YIELD BOLL SIZE LINT SEED YARN 2.5 50

1997 National Cotton Variety Test

| VCODE | VARIETY | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. | S.L. |
|-------|-------------|-----------|----------|---------|-------|----------|------|------|
| 953 | SG 125 | 1372 | 4.77 | 43.3 | 9.8 | 115 | 1.13 | 0.59 |
| 1057 | HYX 6102 | 1280 | 4.40 | 43.7 | 8.6 | 123 | 1.10 | 0.54 |
| 1063 | Arkot 8712 | 1226 | 4.73 | 42.3 | 10.5 | 126 | 1.15 | 0.57 |
| 1060 | GA 93-299 | 1217 | 4.79 | 43.9 | 10.2 | 139 | 1.13 | 0.56 |
| 1059 | GA 92-316 | 1198 | 4.55 | 42.4 | 10.3 | 131 | 1.13 | 0.56 |
| 1069 | SS 11038 | 1145 | 5.14 | 43.8 | 10.0 | 123 | 1.11 | 0.55 |
| 1068 | DP 32 B | 1126 | 4.33 | 43.3 | 9.3 | 99 | 1.07 | 0.52 |
| 1061 | IF 1006 | 1057 | 5.19 | 40.5 | 10.9 | 143 | 1.15 | 0.56 |
| 1093 | DPX 9065 | 1035 | 4.62 | 43.1 | 10.0 | 103 | 1.07 | 0.53 |
| 1065 | NC 72 | 1033 | 4.64 | 43.4 | 9.9 | 124 | 1.13 | 0.56 |
| 1091 | B 27 | 1007 | 4.99 | 41.3 | 10.8 | 122 | 1.17 | 0.57 |
| 1058 | JBW HYBRID | 992 | 4.59 | 43.5 | 9.1 | 113 | 1.12 | 0.54 |
| 1092 | PD 94035 | 971 | 4.92 | 43.4 | 10.3 | 121 | 1.12 | 0.56 |
| 893 | STV LA 887 | 968 | 5.70 | 43.8 | 10.7 | 120 | 1.13 | 0.55 |
| 1067 | 9506-0081 | 966 | 5.12 | 43.5 | 10.4 | 115 | 1.13 | 0.55 |
| 1062 | IF 1005 | 906 | 4.40 | 42.4 | 8.9 | 128 | 1.14 | 0.57 |
| 1046 | 89 E-51 | 804 | 4.90 | 40.0 | 12.0 | 126 | 1.12 | 0.55 |
| 1066 | B 210-3 | 688 | 4.47 | 40.2 | 10.0 | 134 | 1.19 | 0.57 |
| 773 | ACALA MAXXA | 584 | 4.99 | 42.4 | 11.4 | 143 | 1.19 | 0.58 |
| 1064 | 94 L-25 | 528 | 4.75 | 38.3 | 12.0 | 110 | 1.14 | 0.54 |
| . | LSD | 391 | 0.54 | 3.3 | 1.3 | 16 | 0.02 | 0.03 |

| VCODE | T1 | | MICRO NAIRE | 2.5 | | STRN (g/tex) | HUNTERS | | SEED YIELD (LB/AC) | | |
|-------|--------|------|----------------|------|------|-----------------|---------|------|-----------------------|-----------|------|
| | mN/tex | E1 | | S.L. | UNIF | | E | RD | | b READING | MIC |
| 953 | 186 | 9.15 | 4.95 | 1.10 | 83.2 | 25.0 | 9.9 | 71.5 | 7.1 | 4.70 | 1857 |
| 1057 | 212 | 9.75 | 5.10 | 1.10 | 82.5 | 30.5 | 10.0 | 72.0 | 7.5 | 5.10 | 1583 |
| 1063 | 207 | 7.90 | 5.00 | 1.15 | 83.1 | 28.5 | 10.0 | 71.0 | 6.9 | 4.90 | 1644 |
| 1060 | 239 | 8.50 | 4.95 | 1.10 | 82.0 | 32.0 | 9.8 | 71.5 | 7.6 | 4.80 | 1515 |
| 1059 | 233 | 8.50 | 5.10 | 1.15 | 82.6 | 30.5 | 9.6 | 69.5 | 7.1 | 5.00 | 1798 |
| 1069 | 224 | 9.65 | 5.20 | 1.10 | 81.2 | 30.5 | 10.0 | 70.0 | 7.8 | 5.10 | 1248 |
| 1068 | 191 | 8.15 | 5.20 | 1.05 | 81.1 | 28.5 | 9.9 | 72.5 | 7.3 | 5.15 | 1525 |
| 1061 | 225 | 7.65 | 4.35 | 1.15 | 84.0 | 29.5 | 9.1 | 73.0 | 6.9 | 4.30 | 1630 |
| 1093 | 186 | 8.50 | 4.90 | 1.05 | 81.4 | 27.0 | 9.8 | 71.0 | 7.2 | 4.80 | 1310 |
| 1065 | 222 | 7.25 | 4.75 | 1.15 | 83.4 | 31.5 | 9.2 | 72.0 | 7.7 | 4.55 | 1264 |
| 1091 | 230 | 8.40 | 5.10 | 1.20 | 84.2 | 31.5 | 9.9 | 70.0 | 7.5 | 4.75 | 1507 |

1997 National Cotton Variety Test

| | | | | | | | | | | | |
|------|-----|------|------|------|------|------|------|------|-----|------|------|
| 1058 | 220 | 9.00 | 5.25 | 1.10 | 82.4 | 30.0 | 9.8 | 71.0 | 7.2 | 5.15 | 1409 |
| 1092 | 214 | 8.15 | 5.00 | 1.10 | 82.2 | 29.0 | 9.6 | 72.0 | 7.2 | 4.90 | 1353 |
| 893 | 217 | 7.40 | 5.05 | 1.10 | 80.6 | 28.5 | 9.9 | 69.0 | 7.8 | 4.90 | 1398 |
| 1067 | 190 | 7.15 | 5.00 | 1.10 | 81.6 | 28.5 | 9.6 | 72.5 | 7.0 | 4.75 | 1350 |
| 1062 | 241 | 6.40 | 4.95 | 1.15 | 82.3 | 31.0 | 8.8 | 72.5 | 7.0 | 4.80 | 1417 |
| 1046 | 210 | 6.80 | 4.90 | 1.10 | 82.5 | 28.5 | 9.3 | 71.5 | 6.8 | 4.75 | 1114 |
| 1066 | 222 | 8.50 | 4.40 | 1.20 | 84.0 | 32.0 | 10.0 | 68.5 | 7.6 | 4.25 | 1212 |
| 773 | 231 | 6.50 | 4.15 | 1.15 | 83.1 | 31.0 | 9.1 | 72.5 | 7.4 | 3.95 | 947 |
| 1064 | 192 | 6.00 | 4.35 | 1.15 | 82.1 | 29.0 | 8.4 | 69.0 | 7.6 | 3.90 | 796 |
| . | . | 0.90 | 0.46 | 0.09 | 3.0 | 1.8 | 0.4 | 2.6 | 0.6 | 0.42 | 0 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 953 | 19.51 | 4.01 | 0.88 | 407 | 19.5 | 1.54 | 92.00 | 47.36 | 4.50 | 3.1 |
| 1057 | 19.26 | 3.66 | 0.98 | 381 | 16.5 | 1.48 | 94.50 | 48.52 | 4.93 | 3.4 |
| 1063 | 20.04 | 3.72 | 0.73 | 398 | 13.0 | 1.38 | 98.00 | 43.62 | 4.24 | 3.4 |
| 1060 | 20.64 | 4.01 | 0.83 | 413 | 15.5 | 1.45 | 95.00 | 43.95 | 4.12 | 3.1 |
| 1059 | 21.26 | 3.93 | 0.98 | 391 | 19.5 | 1.54 | 92.00 | 49.49 | 4.90 | 3.2 |
| 1069 | 19.23 | 3.85 | 0.71 | 380 | 21.0 | 1.58 | 90.50 | 51.89 | 5.27 | 3.3 |
| 1068 | 19.34 | 4.10 | 1.11 | 408 | 24.3 | 1.64 | 88.00 | 50.35 | 4.77 | 3.1 |
| 1061 | 19.03 | 3.83 | 0.54 | 444 | 19.8 | 1.55 | 91.50 | 43.63 | 3.80 | 2.9 |
| 1093 | 19.99 | 3.98 | 0.97 | 402 | 21.5 | 1.59 | 90.50 | 49.54 | 4.78 | 3.1 |
| 1065 | 18.51 | 3.81 | 0.80 | 410 | 22.8 | 1.62 | 89.00 | 49.48 | 4.70 | 3.1 |
| 1091 | 18.60 | 3.91 | 1.11 | 399 | 21.0 | 1.57 | 90.50 | 49.53 | 4.80 | 3.1 |
| 1058 | 20.01 | 3.95 | 0.84 | 387 | 13.5 | 1.39 | 97.50 | 45.26 | 4.53 | 3.4 |
| 1092 | 17.43 | 4.08 | 0.77 | 412 | 22.0 | 1.60 | 89.50 | 48.67 | 4.58 | 3.0 |
| 893 | 19.28 | 3.72 | 0.77 | 399 | 17.3 | 1.49 | 94.00 | 46.92 | 4.56 | 3.2 |
| 1067 | 21.77 | 3.88 | 0.59 | 378 | 13.5 | 1.40 | 97.00 | 46.33 | 4.74 | 3.5 |
| 1062 | 19.85 | 4.15 | 0.66 | 407 | 13.3 | 1.39 | 97.50 | 42.88 | 4.10 | 3.3 |
| 1046 | 21.86 | 3.91 | 0.77 | 417 | 25.8 | 1.68 | 86.50 | 50.46 | 4.69 | 3.0 |
| 1066 | 18.52 | 4.01 | 0.63 | 466 | 33.0 | 1.82 | 81.00 | 49.02 | 4.08 | 2.6 |
| 773 | 19.24 | 4.32 | 0.56 | 471 | 21.8 | 1.60 | 90.00 | 42.36 | 3.48 | 2.7 |
| 1064 | 18.92 | 3.95 | 0.56 | 468 | 32.5 | 1.81 | 81.00 | 48.48 | 4.01 | 2.6 |
| . | 1.57 | 0.19 | 0.13 | . | . | . | . | . | . | . |

LOCATION=BELLE MINA, AL

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|-------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 1067 | 9506-0081 | 1048 | 6.42 | 39.5 | 11.1 | 150 | 1.21 | 0.60 |
| 1058 | JBW HYBRID | 983 | 5.08 | 37.3 | 10.8 | 157 | 1.23 | 0.61 |
| 1093 | DPX 9065 | 971 | 3.95 | 38.6 | 11.3 | 135 | 1.19 | 0.60 |
| 1091 | B 27 | 953 | 4.43 | 37.7 | 11.8 | 143 | 1.22 | 0.62 |
| 1065 | NC 72 | 903 | 4.88 | 39.0 | 10.1 | 160 | 1.21 | 0.60 |
| 893 | STV LA 887 | 895 | 5.76 | 38.1 | 11.5 | 159 | 1.21 | 0.60 |
| 1060 | GA 93-299 | 883 | 5.67 | 38.0 | 11.7 | 166 | 1.22 | 0.64 |
| 1057 | HYX 6102 | 871 | 5.09 | 34.8 | 11.2 | 155 | 1.26 | 0.65 |
| 1063 | Arkot 8712 | 860 | 5.57 | 37.4 | 10.9 | 152 | 1.21 | 0.62 |
| 953 | SG 125 | 850 | 5.58 | 38.3 | 11.5 | 138 | 1.20 | 0.62 |
| 1066 | B 210-3 | 843 | 4.64 | 37.3 | 10.2 | 158 | 1.30 | 0.67 |
| 1059 | GA 92-316 | 842 | 5.15 | 36.3 | 11.8 | 156 | 1.23 | 0.63 |
| 1068 | DP 32 B | 828 | 4.93 | 36.0 | 11.1 | 145 | 1.21 | 0.61 |
| 1062 | IF 1005 | 826 | 3.54 | 37.4 | 9.3 | 177 | 1.21 | 0.61 |
| 1061 | IF 1006 | 821 | 5.64 | 37.3 | 10.8 | 171 | 1.23 | 0.65 |
| 1069 | SS 11038 | 804 | 5.10 | 35.7 | 10.8 | 160 | 1.19 | 0.62 |
| 1092 | PD 94035 | 787 | 5.55 | 37.6 | 11.0 | 155 | 1.25 | 0.63 |
| 1064 | 94 L-25 | 772 | 6.34 | 36.0 | 13.6 | 157 | 1.27 | 0.62 |
| 1046 | 89 E-51 | 742 | 5.13 | 35.9 | 11.7 | 155 | 1.20 | 0.60 |
| 773 | ACALA MAXXA | 685 | 5.60 | 39.7 | 12.8 | 169 | 1.21 | 0.61 |
| . | LSD | 188 | . | . | . | . | . | . |

| VCODE | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | STRN (g/tex) | UNIF | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|----------------|-------------|-----------------|------|------|------|----------------------|------|-----------------------|
| 1067 | 226 | 9.25 | 4.35 | 1.20 | 86.3 | 31.0 | 10.0 | 77.5 | 8.0 | 4.25 | 1624 |
| 1058 | 244 | 8.30 | 4.65 | 1.20 | 86.8 | 34.0 | 10.0 | 78.5 | 8.1 | 3.95 | 1646 |
| 1093 | 207 | 7.75 | 4.80 | 1.20 | 85.8 | 28.0 | 10.0 | 75.5 | 8.3 | 4.70 | 1590 |
| 1091 | 217 | 9.00 | 4.50 | 1.20 | 87.0 | 31.0 | 10.0 | 74.0 | 9.5 | 4.60 | 1504 |
| 1065 | 246 | 6.75 | 3.70 | 1.20 | 86.9 | 33.0 | 9.9 | 77.5 | 8.2 | 3.60 | 1393 |
| 893 | 253 | 10.3 | 3.90 | 1.20 | 87.2 | 33.5 | 10.0 | 77.0 | 8.9 | 3.80 | 1399 |
| 1060 | 267 | 7.75 | 4.25 | 1.25 | 87.1 | 35.0 | 10.0 | 77.0 | 7.9 | 4.00 | 1447 |

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United States Department of Agriculture

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1997 National Cotton Variety Test



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**National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data**

1997 ARIZONA REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 ARIZONA REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

-- DATA CANNOT BE STATISTICALLY ANALYZED DUE TO DIFFERENT VARIETIES AT DIFFERENT LOCATIONS

1997 NATIONAL COTTON VARIETY TEST
1997 ARIZONA REGION RESULTS
INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

--COMPONENT ANALYSIS NOT PERFORMED DUE TO DIFFERENT VARIETIES AT DIFFERENT LOCATIONS

1997 NATIONAL COTTON VARIETY TEST
1997 ARIZONA REGION RESULTS
SUMMARY OF LOCATIONS COMBINING VARIETIES

1997 National Cotton Variety Test

| | | | | | | | | | |
|------|-----|------|------|---|---|---|---|---|---|
| 1074 | 199 | 6.80 | 4.10 | . | . | . | . | . | . |
| 1393 | | | | | | | | | |
| 1075 | 180 | 8.15 | 4.00 | . | . | . | . | . | . |
| 1227 | | | | | | | | | |
| 901 | 194 | 9.00 | 3.80 | . | . | . | . | . | . |
| 1213 | | | | | | | | | |
| 893 | 182 | 7.05 | 4.10 | . | . | . | . | . | . |
| 1087 | | | | | | | | | |
| 689 | 175 | 8.40 | 3.90 | . | . | . | . | . | . |
| 1338 | | | | | | | | | |
| 773 | 223 | 6.00 | 3.65 | . | . | . | . | . | . |
| 1076 | | | | | | | | | |
| 1070 | 183 | 7.15 | 3.85 | . | . | . | . | . | . |
| 1152 | | | | | | | | | |
| 578 | 199 | 7.50 | 4.40 | . | . | . | . | . | . |
| 1085 | | | | | | | | | |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 1009 | 20.34 | 3.64 | 0.72 | . | . | . | . | . | . | . |
| 1073 | 19.84 | 3.52 | 0.80 | . | . | . | . | . | . | . |
| 834 | 19.41 | 3.65 | 0.75 | . | . | . | . | . | . | . |
| 649 | 20.91 | 3.65 | 0.85 | . | . | . | . | . | . | . |
| 932 | 18.93 | 3.52 | 0.79 | . | . | . | . | . | . | . |
| 1072 | 18.01 | 3.60 | 0.74 | . | . | . | . | . | . | . |
| 971 | 17.45 | 3.43 | 0.90 | . | . | . | . | . | . | . |
| 919 | 19.26 | 3.67 | 0.78 | . | . | . | . | . | . | . |
| 953 | 18.76 | 3.73 | 0.79 | 480 | 36.0 | 1.88 | 78.50 | 49.15 | 3.96 | 2.5 |
| 1016 | 17.57 | 3.52 | 0.72 | . | . | . | . | . | . | . |
| 1071 | 19.14 | 3.54 | 0.89 | . | . | . | . | . | . | . |
| 915 | 17.26 | 3.63 | 0.86 | . | . | . | . | . | . | . |
| 1074 | 18.77 | 3.49 | 0.80 | . | . | . | . | . | . | . |
| 1075 | 17.74 | 3.59 | 0.88 | . | . | . | . | . | . | . |
| 901 | 18.72 | 3.75 | 0.60 | . | . | . | . | . | . | . |
| 893 | 19.04 | 3.57 | 0.85 | 458 | 25.8 | 1.68 | 86.50 | 45.89 | 3.88 | 2.7 |
| 689 | 19.41 | 3.54 | 0.84 | . | . | . | . | . | . | . |
| 773 | 19.55 | 4.01 | 0.69 | 496 | 34.0 | 1.84 | 80.00 | 46.64 | 3.64 | 2.5 |
| 1070 | 17.92 | 3.84 | 0.85 | . | . | . | . | . | . | . |
| 578 | 20.62 | 3.60 | 0.83 | 466 | 26.5 | 1.69 | 86.00 | 45.59 | 3.78 | 2.6 |

LOCATION=MARICOPA, AZ

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 1074 | SG 180 | 1487 | 5.23 | 39.0 | 11.5 | 108 | 1.12 |
| 1078 | OA 63 | 1477 | 4.77 | 39.7 | 8.6 | 115 | 1.13 |
| 1080 | SG 248 | 1466 | 4.57 | 39.7 | 9.8 | 103 | 1.13 |
| 893 | STV LA 887 | 1456 | 5.67 | 40.5 | 11.1 | 102 | 1.09 |

1997 National Cotton Variety Test

| | | | | | | | |
|------|-----------------|------|------|------|------|-----|------|
| 849 | DPL 5690 | 1429 | 4.83 | 40.5 | 10.4 | 119 | 1.13 |
| 1076 | IF 1001 | 1401 | 4.76 | 41.7 | 10.0 | 120 | 1.07 |
| 932 | HS 44 | 1394 | 5.01 | 38.6 | 10.3 | 98 | 1.12 |
| 1009 | NU 33 B | 1334 | 4.97 | 37.0 | . | . | . |
| 865 | HS46 | 1325 | 5.12 | 38.0 | 10.9 | 114 | 1.12 |
| 953 | SG 125 | 1275 | 4.97 | 41.3 | 10.7 | 97 | 1.10 |
| 857 | DELTAPINE 5415 | 1188 | 4.36 | 40.1 | 9.2 | 111 | 1.15 |
| 919 | DP 5409 | 1183 | 4.27 | 40.8 | 10.0 | 105 | 1.09 |
| 1077 | OA 25 | 1122 | 5.20 | 35.7 | 11.7 | 100 | 1.11 |
| 578 | PAYMASTER HS 26 | 1059 | 5.65 | 36.4 | 11.1 | 116 | 1.10 |
| 1079 | OA 238 | 1035 | 6.21 | 39.0 | 15.6 | 140 | 1.12 |
| 773 | ACALA MAXXA | 1004 | 5.08 | 41.5 | 13.6 | 142 | 1.11 |
| 1073 | MAC 95 | 961 | 4.73 | 37.3 | 11.4 | 116 | 1.15 |
| 990 | SS 9506 | 551 | 4.91 | 38.6 | 11.5 | 125 | 1.14 |
| 971 | STV 474 | 452 | 4.78 | 40.9 | 11.4 | 107 | 1.11 |
| 915 | SUREGROW 501 | 232 | 4.75 | 41.7 | 9.9 | 127 | 1.09 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|---|----|----------------------|
| 1074 | 0.55 | 184 | 6.00 | 5.20 | . | . | . | . | . | . |
| 1078 | 0.52 | 200 | 6.00 | 5.15 | . | . | . | . | . | . |
| 1080 | 0.52 | 189 | 6.15 | 5.20 | . | . | . | . | . | . |
| 893 | 0.50 | 176 | 7.90 | 5.25 | . | . | . | . | . | . |
| 849 | 0.55 | 190 | 5.65 | 5.15 | . | . | . | . | . | . |
| 1076 | 0.55 | 204 | 6.00 | 5.40 | . | . | . | . | . | . |
| 932 | 0.52 | 194 | 6.15 | 5.70 | . | . | . | . | . | . |
| 1009 | . | . | . | . | . | . | . | . | . | . |
| 865 | 0.52 | 206 | 6.65 | 4.85 | . | . | . | . | . | . |
| 953 | 0.51 | 195 | 7.50 | 5.20 | . | . | . | . | . | . |
| 857 | 0.55 | 200 | 7.15 | 5.05 | . | . | . | . | . | . |
| 919 | 0.51 | 187 | 7.05 | 5.15 | . | . | . | . | . | . |
| 1077 | 0.54 | 184 | 6.55 | 5.30 | . | . | . | . | . | . |
| 578 | 0.53 | 206 | 8.00 | 5.05 | . | . | . | . | . | . |
| 1079 | 0.55 | 218 | 5.80 | 5.10 | . | . | . | . | . | . |
| 773 | 0.52 | 235 | 6.15 | 4.45 | . | . | . | . | . | . |
| 1073 | 0.55 | 209 | 5.75 | 5.30 | . | . | . | . | . | . |
| 990 | 0.54 | 217 | 6.00 | 5.35 | . | . | . | . | . | . |
| 971 | 0.53 | 184 | 6.15 | 5.45 | . | . | . | . | . | . |
| 915 | 0.53 | 207 | 6.90 | 5.40 | . | . | . | . | . | . |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p |
|-------|-----------------------|-------|--------------|------------------|-----|------|------|-------|------------|
| 1074 | 2329 | 19.38 | 3.53 | . | . | . | . | . | . |
| 0.64 | . | . | . | . | . | . | . | . | . |
| 1078 | 2240 | 15.67 | 3.74 | . | . | . | . | . | . |
| 0.58 | . | . | . | . | . | . | . | . | . |
| 1080 | 2228 | 15.60 | 3.32 | . | . | . | . | . | . |
| 0.45 | . | . | . | . | . | . | . | . | . |
| 893 | 2147 | 19.37 | 3.89 | 0.59 | 391 | 20.0 | 1.55 | 91.50 | 49.68 4.92 |

| | | | | | | | | | | | |
|------|------|------|-------|------|------|-----|------|------|-------|-------|------|
| 3.3 | 849 | 2097 | 20.19 | 3.91 | . | . | . | . | . | . | . |
| 0.63 | 1076 | 1957 | 21.72 | 3.75 | . | . | . | . | . | . | . |
| 0.71 | 932 | 2218 | 18.90 | 3.65 | . | . | . | . | . | . | . |
| 0.58 | 1009 | | . | . | . | . | . | . | . | . | . |
| 2268 | 865 | 2165 | 19.46 | 3.82 | . | . | . | . | . | . | . |
| 0.54 | 953 | 1811 | 20.71 | 3.83 | 0.67 | 393 | 14.0 | 1.40 | 97.50 | 44.73 | 4.41 |
| 3.4 | 857 | 1776 | 17.79 | 3.78 | . | . | . | . | . | . | . |
| 0.51 | 919 | 1713 | 19.24 | 3.89 | 0.59 | 392 | 18.0 | 1.51 | 93.00 | 48.32 | 4.78 |
| 3.3 | 1077 | 2017 | 20.07 | 3.79 | . | . | . | . | . | . | . |
| 0.63 | 578 | 1852 | 20.77 | 3.84 | 0.61 | 394 | 27.0 | 1.70 | 85.50 | 54.33 | 5.34 |
| 3.1 | 1079 | 1618 | 19.04 | 4.07 | . | . | . | . | . | . | . |
| 0.37 | 773 | 1413 | 19.11 | 4.27 | 0.45 | 463 | 26.0 | 1.68 | 86.50 | 45.57 | 3.80 |
| 2.7 | 1073 | 1616 | 19.59 | 3.78 | . | . | . | . | . | . | . |
| 0.57 | 990 | 889 | 18.68 | 3.60 | . | . | . | . | . | . | . |
| 0.62 | 971 | 652 | 18.82 | 3.89 | . | . | . | . | . | . | . |
| 0.75 | 915 | 324 | 16.62 | 3.62 | . | . | . | . | . | . | . |
| 0.56 | | | . | . | . | . | . | . | . | . | . |

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National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data

1997 PIMA REGIONAL COTTON VARIETY TEST

1997 NATIONAL COTTON VARIETY TEST
1997 PIMA REGION RESULTS
VARIETIES COMBINED OVER ALL LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 975 | CHANEY RANCH 252 | 1653 | 3.83 | 38.6 | 14.3 | 191 | 1.40 |
| 972 | ORO BLANCO | 1601 | 3.66 | 39.2 | 14.1 | 193 | 1.40 |
| 974 | CONQUISTADOR | 1297 | 2.78 | 38.1 | 12.1 | 189 | 1.38 |
| 471 | PIMA S-6 | 1183 | 2.94 | 39.5 | 13.6 | 178 | 1.36 |
| 615 | PIMA S-7 | 1171 | 3.09 | 34.4 | 12.8 | 191 | 1.40 |
| 977 | DPL 9911 | 904 | 2.75 | 38.6 | 12.3 | 185 | 1.39 |
| 1054 | NM SI 1331 | 699 | 2.93 | 38.8 | 12.5 | 173 | 1.39 |
| 973 | OA 304 | 599 | 2.99 | 38.6 | . | 173 | 1.34 |
| . | LSD | 157 | 0.19 | 1.2 | 0.8 | 6 | 0.03 |

| VCODE | 50 S.L. | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC |
|-------|------------|--------------|------|----------------|-------------|------|-----------------|------|------|----------------------|------|
| 975 | 0.69 | 310 | 8.65 | 4.00 | 1.33 | 89.2 | 42.0 | 11.0 | 67.3 | 11.8 | 4.08 |
| 972 | 0.70 | 312 | 8.58 | 3.98 | 1.33 | 89.5 | 43.3 | 11.3 | 65.0 | 12.5 | 3.98 |
| 974 | 0.67 | 305 | 7.72 | 3.94 | 1.29 | 87.3 | 44.0 | 10.6 | 64.9 | 12.1 | 3.96 |
| 471 | 0.68 | 303 | 7.77 | 4.24 | 1.30 | 87.9 | 39.7 | 10.6 | 64.7 | 12.2 | 4.19 |
| 615 | 0.69 | 314 | 7.31 | 4.09 | 1.31 | 88.6 | 43.5 | 10.6 | 65.3 | 11.6 | 4.06 |
| 977 | 0.68 | 300 | 8.13 | 4.05 | 1.30 | 88.2 | 41.8 | 11.0 | 64.3 | 12.0 | 3.97 |
| 1054 | 0.66 | 284 | 7.52 | 3.75 | 1.37 | 88.6 | 40.0 | 10.2 | 65.5 | 11.7 | 3.77 |
| 973 | 0.63 | 302 | 8.25 | 3.70 | 1.30 | 86.2 | 40.0 | 10.0 | 65.5 | 12.0 | 3.90 |
| . | 0.02 | 16 | 0.52 | 0.29 | 0.02 | 0.8 | 1.2 | 0.4 | 1.1 | 0.4 | 0.28 |

| VCODE | SEED YIELD (LB/AC) | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|
|-------|-----------------------|-----|--------------|------------------|---|---|---|---|---|---|---|

| | | | | | | | | | | | |
|------|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 975 | 2642 | 19.94 | 3.70 | 0.72 | . | . | . | . | . | . | . |
| 972 | 2494 | 19.60 | 3.81 | 0.82 | . | . | . | . | . | . | . |
| 974 | 2120 | 21.91 | 3.69 | 0.77 | 465 | 15.8 | 1.45 | 95.00 | 39.15 | 3.25 | 2.8 |
| 471 | 1810 | 21.39 | 3.88 | 0.69 | 467 | 22.8 | 1.61 | 89.00 | 43.25 | 3.59 | 2.7 |
| 615 | 2743 | 21.12 | 3.82 | 0.64 | 477 | 20.7 | 1.56 | 91.00 | 40.93 | 3.33 | 2.7 |
| 977 | 1454 | 21.40 | 3.85 | 0.68 | . | . | . | . | . | . | . |
| 1054 | 1074 | 22.23 | 3.66 | 0.74 | . | . | . | . | . | . | . |
| 973 | 951 | 22.40 | 4.24 | 0.62 | . | . | . | . | . | . | . |
| . | 230 | 1.27 | 0.21 | 0.15 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST
 1997 PIMA REGION RESULTS
 INDIVIDUAL COMPONENT SUMMARIES BY VARIETIES

 --COMPONENT ANALYSIS NOT PERFORMED DUE TO DIFFERENT VARIETIES AT DIFFERENT LOCATIONS

1997 NATIONAL COTTON VARIETY TEST
 1997 PIMA REGION RESULTS
 SUMMARY OF LOCATIONS COMBINING VARIETIES

| LOCATION | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. | T1 mN/tex |
|--------------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|--------------|
| W SIDE FIELD STATION, CA | 1905 | 3.55 | 38.0 | 13.7 | 192 | 1.40 | 0.69 | 307 |
| SHAFTER, CA | 1483 | 3.41 | 39.1 | 13.9 | 191 | 1.37 | 0.68 | 309 |
| MARICOPA, AZ | 1136 | 2.85 | 37.7 | 12.6 | 190 | 1.40 | 0.70 | 307 |
| LAS CRUCES, NM | 1034 | 1.98 | 37.0 | . | 185 | 1.38 | 0.69 | 291 |
| MARANA, AZ | 964 | 3.03 | 11.4 | . | 184 | 1.41 | 0.70 | 294 |
| EL PASO, TX (PIMA) | 951 | 3.25 | 39.8 | 11.9 | 178 | 1.36 | 0.65 | 316 |
| SAFFORD, AZ | 627 | 3.07 | 39.7 | . | 179 | 1.38 | 0.67 | 302 |

| LOCATION | MICRO 2.5 | | | | STRN (g/tex) | HUNTERS | | | | SEED YIELD (LB/AC) |
|--------------------------|-----------|-------|------|------|-----------------|---------|------|------|---------|-----------------------|
| | E1 | NAIRE | S.L. | UNIF | | E | RD | b | READING | |
| W SIDE FIELD STATION, CA | 8.29 | 3.87 | 1.32 | 88.9 | 40.2 | 10.5 | 65.6 | 12.0 | 3.87 | 3107 |
| SHAFTER, CA | 8.40 | 4.23 | 1.30 | 88.4 | 43.6 | 11.2 | 65.9 | 12.1 | 4.27 | 2312 |
| MARICOPA, AZ | 6.38 | 4.10 | 1.30 | 88.9 | 42.3 | 10.5 | 66.5 | 11.8 | 4.10 | 1876 |
| LAS CRUCES, NM | 7.93 | 4.17 | 1.32 | 88.7 | 40.8 | 10.6 | 66.7 | 11.6 | 4.10 | 1756 |
| MARANA, AZ | 7.00 | 4.15 | 1.35 | 89.1 | 45.5 | 11.0 | 62.5 | 11.0 | 4.00 | 7569 |
| EL PASO, TX (PIMA) | 7.77 | 3.89 | 1.30 | 87.2 | 41.4 | 10.5 | 63.2 | 12.1 | 3.86 | 1361 |
| SAFFORD, AZ | 7.61 | 3.93 | 1.31 | 87.3 | 43.3 | 10.4 | 64.2 | 12.2 | 3.96 | 953 |

| LOCATION | NITR | | FREE | | A | D | I | M | p | w | t |
|----------|------|------|----------|--|---|---|---|---|---|---|---|
| | OIL | OGEN | GOSSYPOL | | | | | | | | |

| | | | | | | | | | | |
|--------------------------|-------|------|------|-----|------|------|-------|-------|------|-----|
| W SIDE FIELD STATION, CA | 19.31 | 3.76 | 0.68 | 487 | 22.0 | 1.60 | 89.50 | 41.11 | 3.27 | 2.6 |
| SHAFTER, CA | 19.69 | 3.75 | 0.71 | 476 | 24.8 | 1.65 | 88.00 | 43.19 | 3.51 | 2.6 |
| MARICOPA, AZ | 22.70 | 4.22 | 0.60 | 457 | 17.1 | 1.48 | 94.00 | 40.59 | 3.44 | 2.9 |
| LAS CRUCES, NM | 24.02 | 3.30 | 0.84 | 488 | 21.5 | 1.58 | 89.50 | 40.88 | 3.25 | 2.6 |
| MARANA, AZ | 22.63 | 4.07 | 0.67 | 463 | 15.5 | 1.45 | 95.50 | 39.03 | 3.25 | 2.8 |
| EL PASO, TX (PIMA) | 22.43 | 3.78 | 0.77 | 533 | 32.8 | 1.82 | 81.00 | 42.84 | 3.11 | 2.3 |
| SAFFORD, AZ | 20.35 | 4.04 | 0.61 | 451 | 15.5 | 1.44 | 95.50 | 40.07 | 3.43 | 2.9 |

1997 NATIONAL COTTON VARIETY TEST

1997 PIMA SUB-REGION (61) RESULTS -- LOCATIONS INCLUDE: SAFFORD, AZ AND LAS CRUCES, NM
 VARIETIES COMBINED OVER SUB-REGION LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|--------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 974 | CONQUISTADOR | 1132 | 2.29 | 39.1 | 11.0 | 179 | 1.34 | 0.66 |
| 977 | DPL 9911 | 1123 | 2.62 | 38.5 | 12.3 | 184 | 1.38 | 0.67 |
| 471 | PIMA S-6 | 1044 | 2.61 | 39.3 | 12.6 | 178 | 1.38 | 0.68 |
| 615 | PIMA S-7 | 925 | 2.74 | 37.0 | 11.2 | 193 | 1.39 | 0.68 |
| 1054 | NM SI 1331 | 739 | 2.82 | 38.2 | 12.5 | 174 | 1.38 | 0.65 |
| . | LSD | 417 | 0.33 | 2.1 | . | 18 | 0.04 | 0.04 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 974 | 311 | 7.83 | 3.93 | 1.28 | 86.1 | 42.8 | 10.5 | 64.5 | 12.3 | 3.93 | 1711 |
| 977 | 299 | 8.38 | 4.35 | 1.30 | 88.7 | 40.3 | 11.0 | 64.8 | 12.0 | 4.20 | 1817 |
| 471 | 304 | 7.70 | 4.28 | 1.30 | 88.1 | 40.0 | 10.8 | 64.8 | 12.0 | 4.20 | 1567 |
| 615 | 316 | 7.58 | 3.88 | 1.30 | 88.0 | 43.5 | 10.3 | 65.0 | 11.5 | 3.83 | 1548 |
| 1054 | 286 | 7.78 | 3.73 | 1.38 | 88.9 | 39.0 | 10.3 | 65.8 | 11.5 | 3.75 | 1150 |
| . | . | 1.10 | 0.51 | 0.05 | 0.7 | 2.7 | 0.8 | 2.5 | 1.0 | 0.73 | 508 |

| VCODE | OIL | NITROGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|----------|------------------|-----|------|------|-------|-------|------|-----|
| 974 | 23.91 | 3.24 | 0.97 | . | . | . | . | . | . | . |
| 977 | 23.39 | 3.82 | 0.74 | . | . | . | . | . | . | . |
| 471 | 23.62 | 3.68 | 0.68 | . | . | . | . | . | . | . |
| 615 | 22.32 | 3.50 | 0.84 | 510 | 27.1 | 1.70 | 85.25 | 41.86 | 3.18 | 2.5 |
| 1054 | 22.89 | 3.45 | 0.80 | . | . | . | . | . | . | . |
| . | 2.90 | 0.43 | 0.13 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST

1997 PIMA SUB-REGION (62) RESULTS -- LOCATIONS INCLUDE: MARICOPA, MARANA, AND SAFFORD, AZ
 VARIETIES COMBINED OVER SUB-REGION LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|--------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 974 | CONQUISTADOR | 997 | 2.88 | 38.1 | 11.5 | 191 | 1.40 | 0.69 |
| 615 | PIMA S-7 | 935 | 3.08 | 29.7 | 12.7 | 187 | 1.41 | 0.70 |
| 471 | PIMA S-6 | 825 | 2.93 | 39.8 | 13.6 | 178 | 1.36 | 0.69 |
| 1054 | NM SI 1331 | 620 | 3.15 | 40.1 | . | 170 | 1.40 | 0.67 |
| 973 | OA 304 | 599 | 2.99 | 38.6 | . | 173 | 1.34 | 0.63 |
| 977 | DPL 9911 | 465 | 3.03 | 38.9 | . | 187 | 1.41 | 0.70 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 974 | 293 | 7.25 | 4.00 | 1.30 | 87.8 | 45.5 | 10.5 | 64.3 | 12.0 | 4.00 | 1639 |
| 615 | 313 | 6.83 | 4.25 | 1.32 | 88.9 | 44.8 | 10.8 | 65.3 | 11.5 | 4.22 | 3498 |
| 471 | 308 | 6.95 | 4.15 | 1.30 | 87.9 | 40.0 | 10.3 | 64.3 | 12.5 | 4.10 | 1269 |
| 1054 | 280 | 7.00 | 3.80 | 1.35 | 88.1 | 42.0 | 10.0 | 65.0 | 12.0 | 3.80 | 921 |
| 973 | 302 | 8.25 | 3.70 | 1.30 | 86.2 | 40.0 | 10.0 | 65.5 | 12.0 | 3.90 | 951 |
| 977 | 301 | 7.65 | 3.45 | 1.30 | 87.3 | 45.0 | 11.0 | 63.5 | 12.0 | 3.50 | 729 |

| VCODE | OIL | NITROGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|----------|------------------|-----|------|------|-------|-------|------|-----|
| 974 | 22.20 | 4.10 | 0.71 | 465 | 15.8 | 1.45 | 95.00 | 39.15 | 3.25 | 2.8 |
| 615 | 21.46 | 4.02 | 0.61 | 451 | 14.6 | 1.42 | 96.33 | 39.49 | 3.38 | 2.9 |
| 471 | 21.64 | 4.25 | 0.55 | 467 | 22.8 | 1.61 | 89.00 | 43.25 | 3.59 | 2.7 |
| 1054 | 20.91 | 4.07 | 0.62 | . | . | . | . | . | . | . |
| 973 | 22.40 | 4.24 | 0.62 | . | . | . | . | . | . | . |
| 977 | 17.44 | 3.91 | 0.58 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST

1997 PIMA SUB-REGION (63) RESULTS -- LOCATIONS INCLUDE: SHAFTER AND W. SIDE FIELD STA., CA
 VARIETIES COMBINED OVER SUB-REGION LOCATIONS

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | 50 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|------------|
| 615 | PIMA S-7 | 1772 | 3.47 | 38.7 | 13.6 | 196 | 1.39 | 0.68 |
| 974 | CONQUISTADOR | 1763 | 3.18 | 37.1 | 13.0 | 198 | 1.39 | 0.68 |
| 471 | PIMA S-6 | 1681 | 3.28 | 39.4 | 14.1 | 180 | 1.35 | 0.67 |
| 975 | CHANEY RANCH 252 | 1653 | 3.83 | 38.6 | 14.3 | 191 | 1.40 | 0.69 |
| 972 | ORO BLANCO | 1601 | 3.66 | 39.2 | 14.1 | 193 | 1.40 | 0.70 |

| VCODE | T1 mN/tex | E1 | MICRONAIRE | 2.5 S.L. | UNIF | STRN (g/tex) | E | RD | HUNTERS b READING | MIC | SEED YIELD (LB/AC) |
|-------|--------------|------|------------|-------------|------|-----------------|------|------|----------------------|------|-----------------------|
| 615 | 312 | 7.78 | 4.08 | 1.30 | 88.8 | 41.5 | 10.5 | 65.5 | 12.0 | 4.08 | 2807 |
| 974 | 310 | 8.08 | 3.90 | 1.30 | 88.2 | 43.8 | 10.8 | 66.0 | 12.0 | 3.95 | 3010 |
| 471 | 296 | 8.65 | 4.30 | 1.30 | 87.6 | 39.0 | 10.8 | 65.0 | 12.0 | 4.28 | 2593 |
| 975 | 310 | 8.65 | 4.00 | 1.33 | 89.2 | 42.0 | 11.0 | 67.3 | 11.8 | 4.08 | 2642 |
| 972 | 312 | 8.58 | 3.98 | 1.33 | 89.5 | 43.3 | 11.3 | 65.0 | 12.5 | 3.98 | 2494 |

| VCODE | OIL | NITROGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|----------|---------------|-----|------|------|-------|-------|------|-----|
| 615 | 19.42 | 3.83 | 0.48 | 482 | 23.4 | 1.62 | 88.75 | 42.15 | 3.39 | 2.6 |
| 974 | 19.62 | 3.74 | 0.65 | . | . | . | . | . | . | . |
| 471 | 18.92 | 3.71 | 0.83 | . | . | . | . | . | . | . |
| 975 | 19.94 | 3.70 | 0.72 | . | . | . | . | . | . | . |
| 972 | 19.60 | 3.81 | 0.82 | . | . | . | . | . | . | . |

1997 NATIONAL COTTON VARIETY TEST
 1997 PIMA REGION RESULTS
 SUMMARY OF INDIVIDUAL LOCATIONS

LOCATION=EL PASO, TX (PIMA)

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | S. |
|-------|--------------|----------------------|--------------------|--------------|------------|---------------|----------|----|
| 974 | CONQUISTADOR | 1150 | 2.95 | 39.6 | 11.0 | 170 | 1.32 | |
| 471 | PIMA S-6 | 1134 | 3.25 | 41.8 | 12.6 | 179 | 1.36 | |
| 977 | DPL 9911 | 1023 | 3.15 | 39.4 | 12.3 | 177 | 1.38 | |
| 615 | PIMA S-7 | 827 | 3.30 | 39.0 | 11.2 | 192 | 1.39 | |
| 1054 | NM SI 1331 | 620 | 3.60 | 39.4 | 12.5 | 175 | 1.37 | |
| . | LSD | 456 | . | . | . | . | . | . |

| VCODE | T1 mN/tex | MICRO E1 | 2.5 NAIRE | STRN UNIF | HUNTERS b | SEED RD | READING | MIC | SEED (LB/AC) | | |
|-------|-----------|----------|-----------|-----------|-----------|---------|---------|------|--------------|------|------|
| 974 | 316 | 7.90 | 3.95 | 1.25 | 85.4 | 42.0 | 10.5 | 63.5 | 12.5 | 4.05 | 1661 |
| 471 | 323 | 7.90 | 4.20 | 1.30 | 87.3 | 40.0 | 11.0 | 63.5 | 12.0 | 4.20 | 1499 |
| 977 | 304 | 8.50 | 4.20 | 1.30 | 87.8 | 41.0 | 11.0 | 63.0 | 12.0 | 4.05 | 1602 |
| 615 | 327 | 7.25 | 3.55 | 1.30 | 87.5 | 44.0 | 10.0 | 62.5 | 12.0 | 3.60 | 1203 |
| 1054 | 310 | 7.30 | 3.55 | 1.35 | 88.3 | 40.0 | 10.0 | 63.5 | 12.0 | 3.40 | 839 |
| . | . | . | . | . | . | . | . | . | . | . | . |

| VCODE | OIL | NITROGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|----------|---------------|---|---|---|---|---|---|---|
| 974 | 22.40 | 3.45 | 0.88 | . | . | . | . | . | . | . |
| 471 | 23.42 | 4.07 | 0.64 | . | . | . | . | . | . | . |

1997 National Cotton Variety Test

| | | | | | | | | | | |
|------|-------|------|------|-----|------|------|-------|-------|------|-----|
| 977 | 22.27 | 3.99 | 0.73 | . | . | . | . | . | . | . |
| 615 | 21.00 | 3.63 | 0.84 | 533 | 32.8 | 1.82 | 81.00 | 42.84 | 3.11 | 2.3 |
| 1054 | 23.06 | 3.79 | 0.76 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=LAS CRUCES, NM

| 50 | | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 | |
|-------|--------------|------------|-----------|---------|-------|----------|------|----|
| VCODE | VARIETY | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. | S. |
| 977 | DPL 9911 | 1224 | 2.09 | 37.6 | . | 191 | 1.37 | |
| 0.69 | | | | | | | | |
| 974 | CONQUISTADOR | 1114 | 1.62 | 38.7 | . | 188 | 1.35 | |
| 0.66 | | | | | | | | |
| 615 | PIMA S-7 | 1022 | 2.18 | 35.0 | . | 194 | 1.39 | |
| 0.70 | | | | | | | | |
| 471 | PIMA S-6 | 954 | 1.97 | 36.8 | . | 177 | 1.39 | |
| 0.70 | | | | | | | | |
| 1054 | NM SI 1331 | 858 | 2.03 | 36.9 | . | 174 | 1.40 | |
| 0.69 | | | | | | | | |
| . | LSD | 521 | 0.43 | 3.7 | . | . | . | . |

| YIELD | T1 | MICRO | 2.5 | STRN | HUNTERS | SEED | | | | | | |
|-------|--------|-------|-------|------|---------|---------|------|------|------|---------|------|---------|
| VCODE | mN/tex | E1 | NAIRE | S.L. | UNIF | (g/tex) | E | RD | b | READING | MIC | (LB/AC) |
| 977 | 294 | 8.25 | 4.50 | 1.30 | 89.7 | 39.5 | 11.0 | 66.5 | 12.0 | 4.35 | 2032 | |
| 974 | 307 | 7.75 | 3.90 | 1.30 | 86.8 | 43.5 | 10.5 | 65.5 | 12.0 | 3.80 | 1762 | |
| 615 | 305 | 7.90 | 4.20 | 1.30 | 88.6 | 43.0 | 10.5 | 67.5 | 11.0 | 4.05 | 1892 | |
| 471 | 285 | 7.50 | 4.35 | 1.30 | 88.9 | 40.0 | 10.5 | 66.0 | 12.0 | 4.20 | 1634 | |
| 1054 | 262 | 8.25 | 3.90 | 1.40 | 89.5 | 38.0 | 10.5 | 68.0 | 11.0 | 4.10 | 1460 | |
| . | . | . | . | . | . | . | . | . | . | . | . | |

| VCODE | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| | | OGEN | GOSSYPOL | | | | | | | |
| 977 | 24.51 | 3.65 | 0.75 | . | . | . | . | . | . | . |
| 974 | 25.42 | 3.04 | 1.05 | . | . | . | . | . | . | . |
| 615 | 23.64 | 3.37 | 0.85 | 488 | 21.5 | 1.58 | 89.50 | 40.88 | 3.25 | 2.6 |
| 471 | 23.82 | 3.30 | 0.72 | . | . | . | . | . | . | . |
| 1054 | 22.73 | 3.12 | 0.85 | . | . | . | . | . | . | . |
| . | . | . | . | . | . | . | . | . | . | . |

LOCATION=MARANA, AZ

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 | 50 |
|-------|---------|------------|-----------|---------|-------|----------|------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. | S.L. |

| YIELD | T1 | | MICRO | 2.5 | | STRN | | | HUNTERS | | SEED |
|-------|----------|------|----------|------|------|---------|-------|-------|-----------|------|------|
| VCODE | mN/tex | E1 | NAIRE | S.L. | UNIF | (g/tex) | E | RD | b READING | MIC | (LB/ |
| AC) | | | | | | | | | | | |
| 615 | PIMA S-7 | | 964 | | 3.03 | 11.4 | . | | 184 | 1.41 | 0.70 |
| 615 | 294 | 7.00 | 4.15 | 1.35 | 89.1 | 45.5 | 11.0 | 62.5 | 11.0 | 4.00 | 7569 |
| VCODE | OIL | NITR | FREE | | | | | | | | |
| AC) | | OGEN | GOSSYPOL | A | D | I | M | p | w | t | |
| 615 | 22.63 | 4.07 | 0.67 | 463 | 15.5 | 1.45 | 95.50 | 39.03 | 3.25 | 2.8 | |

LOCATION=MARICOPA, AZ

| 50 | | | LINT YIELD | | BOLL SIZE | | LINT | SEED | YARN | | 2.5 |
|-------|--------------|--|------------|--|-----------|--|---------|-------|----------|------|-----|
| VCODE | VARIETY | | (LB/ACRE) | | (G/BOLL) | | PERCENT | INDEX | TENACITY | S.L. | S. |
| L. | | | | | | | | | | | |
| 974 | CONQUISTADOR | | 1261 | | 2.79 | | 37.2 | 11.5 | 196 | 1.40 | |
| 0.71 | | | | | | | | | | | |
| 615 | PIMA S-7 | | 1147 | | 3.03 | | 37.8 | 12.7 | 193 | 1.41 | |
| 0.71 | | | | | | | | | | | |
| 471 | PIMA S-6 | | 1002 | | 2.75 | | 38.2 | 13.6 | 182 | 1.40 | |
| 0.70 | | | | | | | | | | | |

| YIELD | T1 | | MICRO | 2.5 | | STRN | | | HUNTERS | | SEED |
|-------|--------|------|-------|------|------|---------|------|------|-----------|------|------|
| VCODE | mN/tex | E1 | NAIRE | S.L. | UNIF | (g/tex) | E | RD | b READING | MIC | (LB/ |
| AC) | | | | | | | | | | | |
| 974 | 302 | 6.75 | 4.05 | 1.30 | 88.4 | 44.5 | 10.5 | 66.5 | 12.0 | 4.05 | 2131 |
| 615 | 328 | 5.75 | 4.25 | 1.30 | 89.5 | 43.0 | 11.0 | 67.5 | 11.5 | 4.30 | 1880 |
| 471 | 291 | 6.65 | 4.00 | 1.30 | 88.7 | 39.5 | 10.0 | 65.5 | 12.0 | 3.95 | 1616 |

| VCODE | OIL | NITR | FREE | | | | | | | | |
|-------|-------|------|----------|-----|------|------|-------|-------|------|-----|--|
| AC) | | OGEN | GOSSYPOL | A | D | I | M | p | w | t | |
| 974 | 22.98 | 4.17 | 0.71 | 465 | 15.8 | 1.45 | 95.00 | 39.15 | 3.25 | 2.8 | |
| 615 | 22.19 | 4.18 | 0.54 | 439 | 12.8 | 1.38 | 98.00 | 39.39 | 3.48 | 3.1 | |
| 471 | 22.92 | 4.32 | 0.56 | 467 | 22.8 | 1.61 | 89.00 | 43.25 | 3.59 | 2.7 | |

LOCATION=SAFFORD, AZ

| 50 VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. | S. |
|-------------|--------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|----|
| 974 | CONQUISTADOR | 733 | 2.98 | 39.0 | . | 185 | 1.41 | |
| 0.67 | | | | | | | | |
| 615 | PIMA S-7 | 696 | 3.17 | 40.0 | . | 184 | 1.41 | |
| 0.70 | | | | | | | | |
| 471 | PIMA S-6 | 649 | 3.11 | 41.3 | . | 174 | 1.33 | |
| 0.67 | | | | | | | | |
| 1054 | NM SI 1331 | 620 | 3.15 | 40.1 | . | 170 | 1.40 | |
| 0.67 | | | | | | | | |
| 973 | OA 304 | 599 | 2.99 | 38.6 | . | 173 | 1.34 | |
| 0.63 | | | | | | | | |
| 977 | DPL 9911 | 465 | 3.03 | 38.9 | . | 187 | 1.41 | |
| 0.70 | | | | | | | | |

| YIELD VCODE | T1 mN/tex | E1 | MICRO NAIRE | 2.5 S.L. | STRN UNIF | (g/tex) | E | RD | HUNTERS b READING | MIC | SEED (LB/ |
|----------------|--------------|------|----------------|-------------|--------------|---------|------|------|----------------------|------|--------------|
| 974 | 285 | 7.75 | 3.95 | 1.30 | 87.2 | 46.5 | 10.5 | 62.0 | 12.0 | 3.95 | 1147 |
| 615 | 318 | 7.75 | 4.35 | 1.30 | 88.2 | 46.0 | 10.5 | 66.0 | 12.0 | 4.35 | 1046 |
| 471 | 325 | 7.25 | 4.30 | 1.30 | 87.2 | 40.5 | 10.5 | 63.0 | 13.0 | 4.25 | 923 |
| 1054 | 280 | 7.00 | 3.80 | 1.35 | 88.1 | 42.0 | 10.0 | 65.0 | 12.0 | 3.80 | 921 |
| 973 | 302 | 8.25 | 3.70 | 1.30 | 86.2 | 40.0 | 10.0 | 65.5 | 12.0 | 3.90 | 951 |
| 977 | 301 | 7.65 | 3.45 | 1.30 | 87.3 | 45.0 | 11.0 | 63.5 | 12.0 | 3.50 | 729 |

| VCODE | OIL | NITR OGEN | FREE GOSSYPOL | A | D | I | M | p | w | t |
|-------|-------|--------------|------------------|-----|------|------|-------|-------|------|-----|
| 974 | 21.42 | 4.04 | 0.71 | . | . | . | . | . | . | . |
| 615 | 19.56 | 3.82 | 0.62 | 451 | 15.5 | 1.44 | 95.50 | 40.07 | 3.43 | 2.9 |
| 471 | 20.37 | 4.19 | 0.54 | . | . | . | . | . | . | . |
| 1054 | 20.91 | 4.07 | 0.62 | . | . | . | . | . | . | . |
| 973 | 22.40 | 4.24 | 0.62 | . | . | . | . | . | . | . |
| 977 | 17.44 | 3.91 | 0.58 | . | . | . | . | . | . | . |

LOCATION=SHAFTER, CA

| VCODE | VARIETY | LINT YIELD (LB/ACRE) | BOLL SIZE (G/BOLL) | LINT PERCENT | SEED INDEX | YARN TENACITY | 2.5 S.L. |
|-------|------------------|-------------------------|-----------------------|-----------------|---------------|------------------|-------------|
| 975 | CHANEY RANCH 252 | 1548 | 3.87 | 39.6 | 14.5 | 189 | 1.39 |
| 615 | PIMA S-7 | 1544 | 3.53 | 38.6 | 13.8 | 197 | 1.39 |
| 974 | CONQUISTADOR | 1507 | 3.11 | 37.6 | 13.6 | 197 | 1.39 |
| 972 | ORO BLANCO | 1445 | 3.31 | 40.0 | 13.5 | 194 | 1.39 |
| 471 | PIMA S-6 | 1370 | 3.26 | 39.8 | 14.1 | 179 | 1.31 |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | |
|-------|------|--------|------|-------|------|------|---------|------|------|-----------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | MIC |
| 975 | 0.68 | 316 | 8.40 | 4.30 | 1.30 | 88.7 | 44.0 | 11.0 | 67.5 | 11.5 | 4.30 |
| 615 | 0.69 | 303 | 7.90 | 4.25 | 1.30 | 88.4 | 43.0 | 11.0 | 66.0 | 12.0 | 4.25 |
| 974 | 0.68 | 308 | 8.65 | 4.10 | 1.30 | 88.6 | 45.0 | 11.0 | 65.5 | 12.0 | 4.10 |
| 972 | 0.70 | 328 | 8.40 | 4.05 | 1.30 | 89.4 | 45.0 | 11.5 | 65.0 | 13.0 | 4.20 |
| 471 | 0.65 | 291 | 8.65 | 4.45 | 1.30 | 87.0 | 41.0 | 11.5 | 65.5 | 12.0 | 4.50 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 975 | 2359 | 20.77 | 3.65 | 0.80 | . | . | . | . | . | . | . |
| 615 | 2457 | 18.34 | 3.98 | 0.36 | 476 | 24.8 | 1.65 | 88.00 | 43.19 | 3.51 | 2.6 |
| 974 | 2500 | 20.23 | 3.72 | 0.80 | . | . | . | . | . | . | . |
| 972 | 2166 | 20.06 | 3.84 | 0.83 | . | . | . | . | . | . | . |
| 471 | 2075 | 19.05 | 3.58 | 0.78 | . | . | . | . | . | . | . |

LOCATION=W SIDE FIELD STATION, CA

| VCODE | VARIETY | LINT YIELD | BOLL SIZE | LINT | SEED | YARN | 2.5 |
|-------|------------------|------------|-----------|---------|-------|----------|------|
| | | (LB/ACRE) | (G/BOLL) | PERCENT | INDEX | TENACITY | S.L. |
| 974 | CONQUISTADOR | 2018 | 3.25 | 36.5 | 12.4 | 200 | 1.39 |
| 615 | PIMA S-7 | 2001 | 3.40 | 38.8 | 13.4 | 196 | 1.40 |
| 471 | PIMA S-6 | 1992 | 3.30 | 39.0 | 14.1 | 181 | 1.38 |
| 975 | CHANEY RANCH 252 | 1757 | 3.79 | 37.5 | 14.1 | 193 | 1.41 |
| 972 | ORO BLANCO | 1756 | 4.00 | 38.4 | 14.7 | 193 | 1.41 |

| VCODE | 50 | T1 | E1 | MICRO | 2.5 | UNIF | STRN | E | RD | HUNTERS | |
|-------|------|--------|------|-------|------|------|---------|------|------|-----------|------|
| | S.L. | mN/tex | | NAIRE | S.L. | | (g/tex) | | | b READING | MIC |
| 974 | 0.68 | 313 | 7.50 | 3.70 | 1.30 | 87.8 | 42.5 | 10.5 | 66.5 | 12.0 | 3.80 |
| 615 | 0.67 | 321 | 7.65 | 3.90 | 1.30 | 89.2 | 40.0 | 10.0 | 65.0 | 12.0 | 3.90 |
| 471 | 0.70 | 301 | 8.65 | 4.15 | 1.30 | 88.2 | 37.0 | 10.0 | 64.5 | 12.0 | 4.05 |
| 975 | 0.70 | 305 | 8.90 | 3.70 | 1.35 | 89.8 | 40.0 | 11.0 | 67.0 | 12.0 | 3.85 |
| 972 | 0.70 | 296 | 8.75 | 3.90 | 1.35 | 89.7 | 41.5 | 11.0 | 65.0 | 12.0 | 3.75 |

| VCODE | SEED YIELD | OIL | NITR | FREE | A | D | I | M | p | w | t |
|-------|------------|-------|------|----------|-----|------|------|-------|-------|------|-----|
| | (LB/AC) | | OGEN | GOSSYPOL | | | | | | | |
| 974 | 3519 | 19.02 | 3.76 | 0.50 | . | . | . | . | . | . | . |
| 615 | 3157 | 20.50 | 3.69 | 0.60 | 487 | 22.0 | 1.60 | 89.50 | 41.11 | 3.27 | 2.6 |
| 471 | 3112 | 18.80 | 3.84 | 0.88 | . | . | . | . | . | . | . |
| 975 | 2924 | 19.12 | 3.76 | 0.63 | . | . | . | . | . | . | . |
| 972 | 2821 | 19.14 | 3.78 | 0.80 | . | . | . | . | . | . | . |

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



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1997 National Cotton Variety Test



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

**National Cotton Variety Tests, 1997
Yield, Boll, Seed, Spinning and Data**

Introduction

The National Cotton Variety Testing Program, developed from recommendations of the Joint Cotton Breeding Policy Committee, is a uniform system of reporting data from cotton-yield trials across the US Cotton Belt. The trials are conducted annually at selected locations involved in the variety-testing programs of the cooperating State

Agricultural Experiment Stations and the Agricultural Research Service. The National Cotton Variety Testing Committee is responsible for coordinating program plans from year to year.

National standard varieties are chosen for a 3-year testing cycle. For the thirteenth 3-year testing cycle, beginning in 1996, the national standards were Acala Maxxa, Paymaster HS 26, Stoneville LA 887, and Suregrow 125. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards. Data on the national, regional, and interregional standards were included in this report. All varieties were grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U.S. Department of Agriculture or the cooperating State Agricultural Experiment Stations.

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

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

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

In 1996, results of the Regional Project S-205 Regional Bollworm-Budworm Tests and the Regional Short Season Tests were reprinted in this report. The purpose in reprinting this vital information is to assist Regional Project S-205 by making the data more widely available to the Cotton Improvement Community.



REGIONAL TESTS & PARTICIPATING STATIONS

Eastern Regional Cotton Variety Test (Upland Varieties)

Alabama Agricultural Experiment Station
Main Station

Auburn,

AL

Tennessee Valley Substation

Belle

Mina, AL

Georgia Agricultural Experiment Station
Georgia Coastal Experiment Station

Tifton,

GA

Clemson University
Pee Dee Experiment Station

Florence, SC

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station

Delta Substation

Clarkedale, AR

Mississippi Agricultural and Forestry Experiment Station

Delta Branch

Stoneville, MS

Missouri Agricultural Experiment Station

Delta Center

Portageville, MO

Louisiana Agricultural Experiment Station

Northeast Louisiana Experiment Station

St.

Joseph, LA

Central Regional Cotton Variety Test (Upland Varieties)

Louisiana Agricultural Experiment Station

Red River Valley Experiment Station

Bossier

City, LA

Texas A&M University

Extension Center

Weslaco, TX

Main Station

College

Station, TX

Off-Station Test

Neuces

County, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University

Agricultural Research and Extension

Dallas,

TX

Stiles Farm Foundation

Thrall,

TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station

Cotton Research Station

Irrigated Test

Chickasha, OK

Dryland Test

Chickasha, OK

Irrigation Experiment Station

Altus,

OK

Southwest Agronomy Research Station

Dryland Test

Tipton,

OK

Texas A&M University

| | | |
|-----------------|--|---------|
| | Agricultural Research and Extension Center | |
| (Chillicothe) | | |
| | Dryland Test | |
| Chillicothe, TX | | |
| | Agricultural Research and Extension Center (Lubbock) | |
| | Irrigated Test | |
| Lubbock, TX | | |
| | Off-Station (Dryland Test) | Lamesa, |
| TX | | |

Western Regional Cotton Variety Test (Upland Varieties)

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

San Joaquin Valley Continuous Cotton Variety Test (Upland Varieties)

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

High Quality Regional Cotton Variety Test

| | | |
|--------------|---|---------|
| | Alabama Agricultural Experiment Station | |
| | Tennessee Valley Substation | Belle |
| Mina, AL | | |
| | Arkansas Agricultural Experiment Station | |
| | Delta Substation | Keiser, |
| AR | | |
| | Clemson University | |
| | Pee Dee Experiment Station | |
| Florence, SC | | |
| | Georgia Agricultural Experiment Station | |
| | Georgia Coastal Plain Experiment Station | Tifton, |
| GA | | |
| | Louisiana Agricultural Experiment Station | |
| | Red River Valley Experiment Station | Bossier |

City, LA

Mississippi Agricultural and Forestry Experiment Station
Delta Branch

Stoneville, MS

Missouri Agricultural Experiment Station
Delta Center

Portageville, MO

North Carolina State University
Upper Coastal Plain Experiment Station

Rocky

Mount, NC

Texas A&M University
Texas Agricultural Experiment Station

College

Station, TX

Arizona Regional Cotton Variety TestArizona Agricultural Experiment Station
Cotton Research Center

Maricopa, AZ

Safford Branch Experiment Station
Off-Station Test

Safford, AZ

Pima Regional Cotton Variety TestArizona 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:

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

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

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

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

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

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

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

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

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

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

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

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

Seed Yield/Acre. The yield in pounds of seed per acre for each plot was calculated and reported.

(Reporting started with the 1994 tests.) The calculation used is:

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

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

2.5 S.L. See Digital Fibrograph for definition

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

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

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

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

Colorimeter

Rd. Is the percentage of the reflectance; the higher the value, the lighter the cotton.

Hunter's b value. Is a measure of increasing yellowness of the cotton.

Stelometer. An instrument for measuring fiber strength. T1 is the

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

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

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

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

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



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