2020 National Cotton Variety Test

Linghe Zeng, Program Coordinator (662-686-3626)
Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

Fred Bourland, Program Chair (870-526-2199x101)
Northeast Research & Extension Center, Univ. of Arkansas

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National Cotton Variety Tests, 2020
Yield, Boll, Seed, Spinning and Data

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

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

National Cotton Variety Tests, 2020

Yield, Boll, Seed, Spinning, and Fiber Data

Issued November, 2022

Processed by National Cotton Variety Testing Program:

United States Department of Agriculture
Agricultural Research Service
Crop Genetics Research Unit
P.O. Box 345
Stoneville, MS 38776

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ACKNOWLEDGMENTS

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

Alabama – J. Koebernick
Arkansas -- F. M. Bourland
Arizona – A. Thompson
California -- R. Hutmacher
Louisiana -- G. Myers
Mississippi -- L. Zeng (USDA-ARS), B. Pieralisi, and T. Wallace
Missouri – C. Meeks
New Mexico -- J. Zhang
North Carolina - K. Edmisten
Oklahoma – S. Byrd
South Carolina -- T. Campbell (USDA-ARS) and M. Jones
Tennessee – T. Raper
Texas -- J. Dever, S. Hague, and C. W. Smith
Virginia – H. Frame

The interest and cooperation of the commercial cottonseed firms of the United States are acknowledged.
Seeds of varieties used as national standards were supplied by the following organizations:

DP 1646B2XF, DP 2012B3XF – Bayer Crop Science;
NG 4930B3XF -- Americot, Inc;
FM 1830GLT, ST 4550GLTP – BASF;
PHY 764WRF, PHY 400W3FE -- Corteva Agriscience;
DG 3520B3XF – All-Tex/Dyna-Gro

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S. Hague, Texas Agricultural Experiment Station, College Station, TX
T. Campbell, (Chairman), Cotton Germplasm Committee, USDA, ARS-CPSWPCRC, Florence, SC
J. Zhang, New Mexico State University, Las Cruces, NM

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G. Myers, Louisiana State University Agricultural Center, Baton Rouge, LA
T. Raper, University of Tennessee, Jackson, TN
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A. Thompson, (USDA-ARS, Maricopa, AZ)
T. Wallace, Mississippi State University, Starkville, MS
L. Zeng, (Coordinator and Regional High Quality Chair) Agricultural Research Service, USDA, Stoneville, MS
J. Zhang, New Mexico Agricultural Experiment Station, Las Cruces, NM

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:

Cottonseed Quality Archive File	1977 - 2020
Yield Archive File	1960 - 2020
Fiber Quality Archive File	1960 - 2020
Pima Combed Yarn Archive File	1962 - 2020

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

Excel Files:
- Yield Data File 1960-2020
- Fiber Quality Data File 1967-2020
- Cottonseed Quality Data File 1998-2020

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:

Dr. Linghe Zeng
National Cotton Variety Testing Program
P. O. Box 345
Stoneville, MS 38776
662-686-3626
e-mail address: linghe.zeng@usda.gov

INTRODUCTION

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

National standard varieties are chosen for a 3-year testing cycle. For the twenty first 3-year testing cycle, beginning in 2020, the national standards were DG 3520B2XF, DP 1646B2XF, DP 2012B3XF, FM 1830GLT, PHY 764WRF, PHY 400W3FE, NG 4930B3XF, and ST 4550GLTP. Within each region, cooperators annually selected a group of regional standard varieties that were 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. 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. Data on the national, regional, and interregional standards were included in this report. Beginning in 2020, there were no regional standards included in the tests.

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. AFIS, HVI, and spinning tests were performed by USDA, ARS, SRRC, CSQR, New Orleans, LA, and chemical analyses of seed were completed by Eurofins Scientific, 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 into the current regional structure. Upland varieties were grown in all tests except the Pima Region. Strains developed in the southern states with superior fiber properties and spinning performance were tested in three contiguous Regions (high quality test). Extra-long-staple American Pima varieties were tested in the Western and Arizona Regions.

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

Beginning with the 2012 NCVT publication, services previously provided by StarLab, Inc., Knoxville, TN, were discontinued due to the laboratory closure. Analysis of fiber samples were performed by the Cotton Structure and Quality Research Unit, USDA, ARS, SRRC, New Orleans, LA. Fiber sample analysis includes HVI, AFIS, and Spinning data.

REGIONAL TESTS PARTICIPATING STATIONS

Eastern Regional Cotton Variety Test (Upland Varieties)

Clemson University	
Pee Dee Experiment Station	Florence, SC
NC State University	
Extension Center	Rocky Mount, NC
Mississippi State University	
Extension Center	Starkville, MS
Virginia Tech University	
Extension Center	Suffolk, VA

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station	
Northeast Research & Extension Center	Keiser, AR
Mississippi State University	
Delta Agricultural Extension Center	Stoneville, MS
Louisiana Agricultural Experiment Station	
Northeast Louisiana Experiment Station	St. Joseph, LA
University of Missouri	
Delta Research Center	Portageville, MO
University of Tennessee	
West Tennessee Ag Research & Education Ctr.	Jackson, TN

Central Regional Cotton Variety Test (Upland Varieties)

Texas A&M University	
Extension Center	Weslaco, TX
Main Station	College Station, TX
Extension Center	Corpus Christi, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University	
Agricultural Research and Extension	Commerce, TX

Plains Regional Cotton Variety Test (Upland Varieties)

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

Western Regional Cotton Variety Test (Upland Varieties)

UC Davis,	
UC West Side Research & Extension Center	Five Points, CA
New Mexico State University,	
New Mexico Agricultural Experiment Station	
Main Station	Las Cruces, NM
Southeastern Branch Station	Artesia, NM

USDA-ARS,
US Arid-Land Agricultural Research Center Maricopa, AZ

High Quality Regional Cotton Variety Test
Arkansas Agricultural Experiment Station
Northeast Research & Extension Center Keiser, AR
University of Missouri
Delta Research Center Portageville, MO
Clemson University
Pee Dee Experiment Station Florence, SC
Louisiana Agricultural Experiment Station
Red River Valley Experiment Station St. Joseph, LA
USDA-ARS
Jamie Whitten Delta Research Center Stoneville, MS
Texas A&M University
Texas Agricultual Experiment Station College Station, TX
Agricultural Research and Extension Center Lubbock, TX
University of Tennessee
West Tennessee Ag Research & Education Ctr. Jackson, TN
New Mexico State University
New Mexico Agricultural Experiment Station
Main Station Las Cruces, NM

Pima Regional Cotton Variety Test
New Mexico State University
Dept. Plant & Environmental Science Las Cruces, NM
University of California
West Side Research & Extension Center Five Points, CA

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. Statistical analyses and Duncan's Multiple Range tests 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 six 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. 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 presented in order of placement in the tables and defined as follows:

Breeder Data

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

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

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

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

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

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

Seed Traits

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.

N (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.

Gossypol:
Processing protocols:
The gossypol content (including free and bound gossypol as well as methoxy-gossypol) in fuzzy seeds is determined by the HPLC Method described in AOCS Recommended Practice Ba 8a-99. The HPLC Method described in Vol. 59, page 546, 1982 of the Journal of the American Oil Chemist's Society is modified as follows: Immediately after obtaining the hull-free kernels, they were dried in a forced-draft oven at 180øF for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. This modification reduced 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 method (starting with 1987 crop) resulted in higher estimates of free gossypol than in previous years.

Gossypol is a terpenoid aldehyde that exists in two enantiomeric forms, (+) and (-); both determinations are reported labeled as 'Plus' and 'Minus' gossypol.

Free gossypol: Free gossypol is expressed as a percentage of the mass of the kernel.

HVI® Fiber Traits

Processing protocol:
Samples are conditioned according to ASTM D1776 prior to testing. After 2012, all fiber samples were measured using a HVI 1000 from Uster Technology (Knoxville, TN).

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

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

UHML (Upper Half Mean Length): the average length of the longer one-half of the fibers.

UI (Uniformity Index): the ratio between the mean length and the upper half man length (UHML) of the fibers expressed as a percentage.

STR (Strength): 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 reports prior to XXXX , this measurement was called Tenacity. Since the physical nature of this measurement is under investigation, use of the more general term seems appropriate.

ELO (Elongation): Elongation at point of break in strength determination.

Colorimeter:

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

Hunter's Plus b (or +b) value: A measure of increasing yellowness of the cotton.

Spinning Data

Processing protocol:
60g of each sample was opened in a SpinLab Opener/Blender then carded at approximately 20 lbs/hr on a modified Saco Lowell Model 100 carding machine. Sliver was drawn twice on a modified Saco Lowell Model DF 11 draw frame to produce 42 grain/yd sliver suitable for spinning. Ring spinning was performed on an SDL Atlas Miniature Ring-Spinning frame to produce Ne 22/1 ring-spun yarn at 8,000 rpm spindle speed. One bobbin of yarn was produced per sample and tested per ASTM D1578, option 1 with results calculated using Equation 6. Waste percentage as reported is the percentage of material removed during the carding process.

Waste. The difference in mass, expressed as a percentage of the fed stock and delivered stock.

YT (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 are adjusted to standard skein basis and corrected to 27 tex.

AFIS Fiber Traits

Processing protocol:
Fiber samples were conditioned following the protocol of ASTM D1776. After 2012, all samples were measured using an AFIS Pro from Uster Technologies (Knoxville, TN).

The measurement of 3 slivers (0.5g per sliver) for each sample with 5,000 fibers measured per sliver by the Uster AFIS®. All samples are conditioned according to ASTM D1776.

L(n) (Length by number)[inches]: Mean length of fibers calculated by number.

L(w)(Length by weight): The average length of all the fibers in the sample computed on a weight basis.

SFC(n)(Short fiber content by number): The percent of the fibers, calculated by number, that are less than 0.50 in.

SFC(w) (Short fiber content by weight): The percent of the fibers, calculated by weight, that are less than 0.50 in.

UQL(w) (Upper quartile length of the fibers by weight): This is the length which is exceeded by 25% of the fibers by weight.

Fineness: Mean fiber fineness (weight per unit length) in millitex. One thousand meters of fibers with a mass of 1 milligram equals 1 millitex.

IFC (Immature Fiber Content): The percentage of fibers with less than 0.25 circularity. The lower the IFC%, the more suitable the fiber is for dyeing.

MR (Maturity Ratio): The ratio of fibers with a 0.5 (or more) circularity divided by the amount of fibers with a 0.25 (or less) circularity. The higher the maturity ratio, the more mature the fibers are and the better the fibers are for dyeing.

Nep Cnt/g (Nep Count per Gram): The total nep count normalized per gram. This includes both fiber and seed coat neps.

SCN Cnt/g (Seed Coat Nep Count per Gram): This is the number of neps normalized per gram that are classified as seed coat neps.

VARIETIES TESTED IN 2020

vcode	VARIETY
1503	FM 1830GLT
1516	DP 1646B2XF
1532	PHY 881RF
1536	PHY 764WRF
1558	DP 1845B3XF
1559	DP 1820B3XF
1579	DP 341RF
1587	NM 18B1593
1588	TAM 14H29
1592	DG 3520B3XF
1593	ST 4550GLTP
1595	NG 4936B3XF
1597	DP 359RF
1598	DP 2012B3XF
1599	PHY 400W3FE
1600	PHY 500W3FE
1601	ST 4990B3XF
1602	NM 18B1613
1603	TAM 14H-11
1604	ARK 1202-34
1605	ARK 1211-58
1606	ARK 1206-25
1607	ARK 1214-52
1608	MD 16-58-27
1609	MD 16-58-42
1610	MD 16-58-141
1611	DP 347RF

United States Department of Agriculture

Agricultural Research Service
Southeast Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776

Other links:

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

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Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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PLAINS

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

OVERALL SUMMARIES FOR PLAINS BY VARIETIES COMBINING ALL SUB-REGIONS – PLAINS

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	649	875	41.0	10.1	4.47	4.15	15.6	0.440	0.303	0.743
1516	DP 1646B2XF	569	563	43.6	8.45	4.29	3.91	17.2	0.518	0.413	0.930
1536	PHY 764WRF	601	1096	37.7	9.93	4.22	3.91	19.5	0.435	0.328	0.763
1592	DG 3520B3XF	717	921	37.5	11.48	4.33	3.87	24.5	0.530	0.390	0.920
1593	ST 4550GLTP	769	999	40.6	8.9	4.68	4.16	17.2	0.533	0.375	0.908
1595	NG 4936B3XF	679	859	40.4	9.25	4.47	3.72	15.8	0.693	0.370	1.063
1598	DP 2012B3XF	647	1126	38.1	8.4	4.44	3.89	18.0	0.660	0.385	1.045
1599	PHY 400W3FE	770	822	40.7	9.05	4.21	3.99	19.8	0.600	0.390	0.990
	LSD	147	300	1.54	0.229	0.463	0.251	1.94	0.052	0.037	0.059

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.9	0.88	1.14	81.8	7.8	30.7	5.5	79.5	8.5
1516	DP 1646B2XF	5	0.88	1.14	81.6	7.9	31	7.7	78.8	9.3
1536	PHY 764WRF	4.3	0.87	1.11	82.2	7.7	35.4	6.8	76.2	8.9
1592	DG 3520B3XF	4.3	0.86	1.17	83.6	5.5	34.6	9.1	76.8	9.1
1593	ST 4550GLTP	5	0.88	1.11	82.2	7.1	33.2	7.7	76.3	9.1
1595	NG 4936B3XF	4.9	0.88	1.15	82.1	7.2	30.3	7.8	79.2	9.2

1598	DP 2012B3XF	4.7	0.87	1.13	82.1	7.9	28.5	6.1	79.4	9.4
1599	PHY 400W3FE	4.8	0.88	1.11	81	8.6	30.8	7	78.6	9.4
	LSD	0.204	0.007	0.034	0.947	1.03	1.58	0.656	1.44	0.397

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.85	1.02	20.6	6.57	1.22	170	5.15	0.95	661	11.3
1516	DP 1646B2XF	0.84	1.01	20.8	6.76	1.21	174	5.48	0.92	645	8.0
1536	PHY 764WRF	0.83	0.99	21.1	6.8	1.18	160	6.22	0.9	685	17.5
1592	DG 3520B3XF	0.89	1.05	18.1	5.1	1.23	166	6.64	0.88	675	19.8
1593	ST 4550GLTP	0.83	0.98	18.9	6.07	1.16	175	5.5	0.93	663	13.7
1595	NG 4936B3XF	0.86	1.02	19.5	6.02	1.21	174	5.65	0.92	673	12.2
1598	DP 2012B3XF	0.84	1.01	20.5	6.47	1.21	172	5.65	0.93	652	8.7
1599	PHY 400W3FE	0.83	1	21.0	6.85	1.19	171	5.68	0.92	659	9.0
	LSD	0.031	0.029	1.98	0.82	0.029	3.96	0.342	0.011	21.3	5.15

PLAINS SUB-REGION 11

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	660	875	41.0	10.1	4.47	4.15	15.6	0.440	0.303	0.743
1516	DP 1646B2XF	612	563	43.6	8.45	4.29	3.91	17.2	0.518	0.413	0.930
1536	PHY 764WRF	732	1096	37.7	9.93	4.22	3.91	19.5	0.435	0.328	0.763
1592	DG 3520B3XF	727	921	37.5	11.48	4.33	3.87	24.5	0.530	0.390	0.920
1593	ST 4550GLTP	712	999	40.6	8.9	4.68	4.16	17.2	0.533	0.375	0.908
1595	NG 4936B3XF	653	859	40.4	9.25	4.47	3.72	15.8	0.693	0.370	1.063
1598	DP 2012B3XF	740	1126	38.1	8.4	4.44	3.89	18.0	0.660	0.385	1.045
1599	PHY 400W3FE	860	822	40.7	9.05	4.21	3.99	19.8	0.600	0.390	0.990
	LSD	96.2	146	1.54	0.229	0.463	0.251	1.94	0.052	0.037	0.059

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.9	0.89	1.16	82.4	7.2	31.7	5.9	80.6	8.7
1516	DP 1646B2XF	4.9	0.88	1.14	82.1	7.6	31.5	7.8	80	9.8
1536	PHY 764WRF	4.4	0.87	1.09	82	7.7	34.9	7.2	78.5	9.4
1592	DG 3520B3XF	4.3	0.85	1.15	83.6	5.9	34.2	9.3	79.6	9.4
1593	ST 4550GLTP	5.1	0.88	1.1	81.8	7	32.2	8.2	78.4	9.6
1595	NG 4936B3XF	4.9	0.88	1.14	82.5	7.3	30.7	8	81.2	9.8
1598	DP 2012B3XF	4.8	0.87	1.12	82.4	8.1	28.5	6.5	81	9.8
1599	PHY 400W3FE	4.6	0.87	1.1	80.7	8.9	30.2	7.3	80.5	9.6
	LSD	0.181	0.008	0.022	1.27	0.763	1.5	0.958	1.94	0.51

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1503	FM 1830GLT	0.870	1.04	19.0	5.93	1.24	171	5.31	0.950	649	10.5
1516	DP 1646B2XF	0.830	1	21.6	7.19	1.21	172	5.75	0.900	647	8.5
1536	PHY 764WRF	0.830	0.99	19.0	6.15	1.16	163	6.21	0.900	667	14
1592	DG 3520B3XF	0.880	1.04	17.6	5.24	1.22	167	6.81	0.880	651	11
1593	ST 4550GLTP	0.840	0.99	17.6	5.73	1.16	178	5.58	0.920	650	12.25
1595	NG 4936B3XF	0.870	1.03	18.5	5.8	1.22	175	5.93	0.910	660	8.5
1598	DP 2012B3XF	0.850	1.02	20.0	6.28	1.21	174	5.77	0.920	630	6
1599	PHY 400W3FE	0.820	0.99	21.3	7.17	1.18	168	6.03	0.910	658	9.5
	LSD	0.022	0.021	1.68	0.632	0.025	4.25	0.36	0.012	27	6.2

PLAINS SUB-REGION 12

vcode	VARIETY	Lint Yield (lb/a)
1503	FM 1830GLT	638.6
1516	DP 1646B2XF	532.5
1536	PHY 764WRF	470
1592	DG 3520B3XF	708.4
1593	ST 4550GLTP	825.5
1595	NG 4936B3XF	706.1
1598	DP 2012B3XF	554.8
1599	PHY 400W3FE	692.4
	LSD	296

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.8	0.88	1.11	80.7	8.9	28.8	4.9	77.2	8
1516	DP 1646B2XF	5.1	0.88	1.14	80.5	8.6	30	7.5	76.4	8.3
1536	PHY 764WRF	4	0.86	1.15	82.7	7.8	36.2	6.2	71.6	8
1592	DG 3520B3XF	4.4	0.87	1.21	83.6	4.7	35.3	8.8	71.2	8.6
1593	ST 4550GLTP	4.7	0.88	1.12	82.9	7.2	35.3	6.8	72	8
1595	NG 4936B3XF	5	0.88	1.17	81.3	7	29.4	7.3	75.2	8.2
1598	DP 2012B3XF	4.4	0.87	1.16	81.6	7.7	28.5	5.3	76.1	8.6
1599	PHY 400W3FE	5.2	0.89	1.12	81.4	8	31.9	6.4	75	8.9
	LSD	0.591	0.016	0.11	1.63	2.87	3.85	0.834	2.52	0.685

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.8	0.98	23.8	7.83	1.17	168	4.82	0.950	687	13
1516	DP 1646B2XF	0.86	1.03	19.2	5.9	1.23	176	4.94	0.950	640	7
1536	PHY 764WRF	0.81	1.01	25.2	8.1	1.21	154	6.25	0.900	722	24.5
1592	DG 3520B3XF	0.89	1.07	19.0	4.83	1.25	164	6.3	0.900	724	37.5
1593	ST 4550GLTP	0.82	0.98	21.5	6.75	1.16	170	5.33	0.930	689	16.5
1595	NG 4936B3XF	0.83	1.01	21.4	6.45	1.19	174	5.1	0.930	700	19.5
1598	DP 2012B3XF	0.82	1	21.6	6.87	1.2	167	5.42	0.930	694	14
1599	PHY 400W3FE	0.84	1.01	20.3	6.22	1.19	179	4.97	0.950	662	8
	LSD	0.097	0.091	5.85	2.55	0.085	9.62	0.82	0.027	36.9	10.7

PLAINS REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Lubbock-irri	948	1,112	40.4	9.94	4.97	3.65	18.9	0.604	0.446	1.05
Lamesa-dry	423	703	39.5	8.95	3.81	4.25	18.0	0.498	0.293	0.79
Altus-irri	750									
Tipton-dry	560									

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b
Lubbock-irri	4.6	0.87	1.18	83.4	6	33.3	8.3	80.8	9.5
Lamesa-dry	4.9	0.88	1.07	80.9	8.9	30.2	6.8	79.2	9.5
Chillicothe, TX	4.7	0.87	1.15	81.8	7.5	31.9	6.6	74.3	8.3

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Lubbock-irri	0.90	1.06	17.7	5.23	1.26	167	6.13	0.9	657	9.6
Lamesa-dry	0.80	0.96	21.0	7.14	1.14	175	5.71	0.92	646	10.4
Chillicothe, TX	0.83	1.01	21.5	6.62	1.2	169	5.39	0.93	690	17.5

PLAINS REGION INDIVIDUAL LOCATION SUMMARIES

LOCATION: Lubbock, TX (irr)

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	837	1,095	41.4	10.6	4.77	3.87	15.9	0.485	0.360	0.845
1516	DP 1646B2XF	912	719	43.0	9.3	4.97	3.66	18.5	0.600	0.505	1.105
1536	PHY 764WRF	944	1,421	38.0	10.3	5	3.62	20.3	0.535	0.415	0.950
1592	DG 3520B3XF	863	721	37.1	11.85	4.99	3.66	24.7	0.565	0.460	1.025
1593	ST 4550GLTP	938	1,172	43.6	9.25	5.08	3.89	16.2	0.585	0.470	1.055
1595	NG 4936B3XF	1005	1,363	42.6	9.7	4.86	3.41	15.8	0.705	0.435	1.140
1598	DP 2012B3XF	979	1,537	37.3	8.7	5.1	3.47	18.2	0.685	0.450	1.135
1599	PHY 400W3FE	1123	869	40.1	9.8	4.99	3.62	21.3	0.670	0.470	1.140
	LSD	158	288	2.8	0.795	0.438	0.228	2.8	0.075	0.055	0.070

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.8	0.88	1.23	83.7	5.4	33.3	6.4	81.9	8.8
1516	DP 1646B2XF	4.8	0.87	1.19	83.1	5.8	34.4	7.8	81.7	10.1
1536	PHY 764WRF	4.4	0.87	1.12	83.1	6.4	35.9	8	79.1	9.3
1592	DG 3520B3XF	4.1	0.85	1.22	84.8	4.9	34.6	10.1	79.4	9.2
1593	ST 4550GLTP	5	0.87	1.15	82.5	6.3	32.3	9.1	79.9	9.6
1595	NG 4936B3XF	4.9	0.87	1.18	83.8	5.9	32.7	9.1	81.9	9.7
1598	DP 2012B3XF	4.6	0.87	1.18	84	6.3	31.2	7.7	81.6	9.9
1599	PHY 400W3FE	4.6	0.87	1.16	82.7	7.2	32.3	8.2	81.4	9.3
	LSD	0.354	0.015	0.037	1.95	1.13	2.63	1.99	3.42	0.843

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.92	1.1	17.9	5.22	1.31	164	5.65	0.93	647	11
1516	DP 1646B2XF	0.87	1.05	19.9	6.07	1.26	170	6.3	0.88	646	9.5
1536	PHY 764WRF	0.86	1.01	18.0	5.62	1.19	161	6.5	0.89	668	12
1592	DG 3520B3XF	0.94	1.1	16.6	4.57	1.3	163	7.17	0.87	665	11.5
1593	ST 4550GLTP	0.89	1.04	16.5	4.95	1.23	172	5.82	0.91	662	11
1595	NG 4936B3XF	0.92	1.08	16.3	4.82	1.27	175	5.82	0.91	668	9
1598	DP 2012B3XF	0.9	1.07	18.4	5.35	1.28	169	6.03	0.90	635	5
1599	PHY 400W3FE	0.9	1.07	17.8	5.3	1.26	167	5.78	0.90	667	8
	LSD	0.036	0.03	3.1	1.07	0.044	8	0.605	0.02	37	11.4

LOCATION: Lamesa, TX (dry)

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitro gen	oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	423	655	40.5	9.6	4.16	4.42	15.4	0.395	0.245	0.640
1516	DP 1646B2XF	311	407	44.2	7.6	3.61	4.15	15.9	0.435	0.320	0.755
1536	PHY 764WRF	451	771	37.4	9.55	3.43	4.2	18.6	0.335	0.240	0.575
1592	DG 3520B3XF	591	1,121	38.0	11.1	3.67	4.08	24.2	0.495	0.320	0.815
1593	ST 4550GLTP	412	825	37.5	8.55	4.28	4.42	18.1	0.480	0.280	0.760
1595	NG 4936B3XF	183	356	38.2	8.8	4.09	4.02	15.7	0.680	0.305	0.985
1598	DP 2012B3XF	421	714	38.8	8.1	3.78	4.31	17.7	0.635	0.320	0.955
1599	PHY 400W3FE	596	775	41.4	8.3	3.43	4.36	18.3	0.530	0.310	0.840
	LSD	132	306	1.7	0.559	0.269	0.485	3.3	0.078	0.055	0.100

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	5.1	0.89	1.09	81.1	9	30.2	5.4	79.4	8.6
1516	DP 1646B2XF	5.1	0.88	1.09	81.2	9.4	28.7	7.8	78.4	9.5
1536	PHY 764WRF	4.5	0.87	1.06	80.8	9.1	34	6.4	78	9.5
1592	DG 3520B3XF	4.5	0.86	1.09	82.4	7	33.9	8.6	79.9	9.5
1593	ST 4550GLTP	5.2	0.88	1.06	81.1	7.7	32.2	7.3	77	9.7
1595	NG 4936B3XF	5	0.88	1.1	81.2	8.7	28.7	6.9	80.6	9.9
1598	DP 2012B3XF	5	0.88	1.06	80.8	9.9	25.9	5.4	80.5	9.8
1599	PHY 400W3FE	4.7	0.88	1.04	78.8	10.7	28.2	6.5	79.6	9.9
	lsd	0.154	0.01	0.032	1.83	1.14	1.74	0.293	2.21	0.682

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.82	0.98	20.1	6.65	1.17	178	4.97	0.97	651	10
1516	DP 1646B2XF	0.78	0.95	23.4	8.32	1.15	175	5.2	0.92	649	7.5
1536	PHY 764WRF	0.81	0.96	20.0	6.69	1.14	166	5.92	0.91	667	16
1592	DG 3520B3XF	0.83	0.98	18.7	5.92	1.15	172	6.45	0.89	638	10.5
1593	ST 4550GLTP	0.8	0.93	18.7	6.5	1.1	184	5.35	0.94	639	13.5
1595	NG 4936B3XF	0.83	0.99	20.7	6.79	1.18	175	6.04	0.92	652	8
1598	DP 2012B3XF	0.8	0.96	21.5	7.2	1.14	180	5.5	0.95	626	7
1599	PHY 400W3FE	0.75	0.91	24.8	9.03	1.1	169	6.29	0.91	649	11
	LSD	0.031	0.032	1.7	0.79	0.031	4	0.51	0.01	44	6.5

Location: Altus, OK (irri)

vcode	VARIETY	Lint Yield (lb/a)
1503	FM 1830GLT	734
1516	DP 1646B2XF	480
1536	PHY 764WRF	509
1592	DG 3520B3XF	1067
1593	ST 4550GLTP	1102
1595	NG 4936B3XF	823
1598	DP 2012B3XF	640
1599	PHY 400W3FE	643
	LSD	608

Location: Tipton, OK (dry)

vcode	VARIETY	Lint Yield (lb/a)
1503	FM 1830GLT	568
1516	DP 1646B2XF	572
1536	PHY 764WRF	441
1592	DG 3520B3XF	440
1593	ST 4550GLTP	618
1595	NG 4936B3XF	619
1598	DP 2012B3XF	491
1599	PHY 400W3FE	730
	LSD	219

Location: Chilicothe, TX

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.8	0.88	1.11	80.7	8.9	28.8	4.9	77.2	8
1516	DP 1646B2XF	5.1	0.88	1.14	80.5	8.6	30	7.5	76.4	8.3
1536	PHY 764WRF	4	0.86	1.15	82.7	7.8	36.2	6.2	71.6	8
1592	DG 3520B3XF	4.4	0.87	1.21	83.6	4.7	35.3	8.8	71.2	8.6
1593	ST 4550GLTP	4.7	0.88	1.12	82.9	7.2	35.3	6.8	72	8
1595	NG 4936B3XF	5	0.88	1.17	81.3	7	29.4	7.3	75.2	8.2
1598	DP 2012B3XF	4.4	0.87	1.16	81.6	7.7	28.5	5.3	76.1	8.6
1599	PHY 400W3FE	5.2	0.89	1.12	81.4	8	31.9	6.4	75	8.9
	LSD	0.564	0.016	0.11	1.66	3.06	4.38	0.778	2.43	0.72

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.8	0.98	23.82	7.83	1.17	168	4.82	0.950	687	13
1516	DP 1646B2XF	0.86	1.03	19.2	5.9	1.23	176	4.94	0.950	640	7
1536	PHY 764WRF	0.81	1.01	25.2	8.1	1.21	154	6.25	0.900	722	24.5
1592	DG 3520B3XF	0.89	1.07	19	4.83	1.25	164	6.3	0.900	724	37.5
1593	ST 4550GLTP	0.82	0.98	21.45	6.75	1.16	170	5.33	0.930	689	16.5
1595	NG 4936B3XF	0.83	1.01	21.4	6.45	1.19	174	5.1	0.930	700	19.5
1598	DP 2012B3XF	0.82	1	21.6	6.87	1.2	167	5.42	0.930	694	14
1599	PHY 400W3FE	0.84	1.01	20.3	6.22	1.19	179	4.97	0.950	662	8
	LSD	0.09	0.085	5.49	2.34	0.083	9	0.792	0.026	40	10.6

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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EASTERN REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR EASTERN BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,145	1,454	44.0	9.4	6.23	3.33	16.7	0.650	0.468	1.12
1516	DP 1646B2XF	1,573	1,826	46.2	8.35	5.63	3.38	17.0	0.688	0.588	1.28
1536	PHY 764WRF	791	1,096	42.1	10.18	6.3	3.51	19.0	0.618	0.478	1.10
1592	DG 3520B3XF	1,163	1,613	41.8	11.33	6.2	3.35	23.3	0.733	0.553	1.29
1593	ST 4550GLTP	1,553	1,715	47.3	8.9	6.5	3.22	14.1	0.793	0.580	1.37
1595	NG 4936B3XF	1,455	1,913	43.2	9.28	6.13	3.06	14.7	0.875	0.463	1.34
1598	DP 2012B3XF	1,400	1,705	44.9	8.6	5.1	3.36	18.0	0.855	0.518	1.37
1599	PHY 400W3FE	1,401	1,612	46.4	9.78	5.8	3.26	19.4	0.830	0.480	1.31
	LSD	145	208	1.29	0.375	0.777	0.324	2.8	0.045	0.039	0.076

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.1	0.86	1.26	84.5	4.3	32.9	6.5	77.7	7.7
1516	DP 1646B2XF	4.1	0.85	1.25	85	4.3	30	8.7	77.4	7.5
1536	PHY 764WRF	4	0.86	1.2	84.7	5.2	37	7.9	75	8.6
1592	DG 3520B3XF	3.7	0.84	1.27	85.5	3.9	32.5	8.9	75.1	8.1
1593	ST 4550GLTP	4.4	0.86	1.18	84.7	5.1	33.4	8.9	76.1	8.7
1595	NG 4936B3XF	4.3	0.86	1.23	85.6	4.6	31.2	8.3	76.7	7.3
1598	DP 2012B3XF	4.2	0.86	1.22	85	4.8	32.4	7	77.7	8.1
1599	PHY 400W3FE	4.2	0.86	1.18	84.1	6.4	33.9	7.1	75.9	7.7
	LSD	0.188	0.006	0.024	0.874	0.933	1.16	0.61	1.43	0.476

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1503	FM 1830GLT	0.92	1.11	19.3	5.47	1.34	154	6.08	0.9	679	10.5
1516	DP 1646B2XF	0.88	1.09	21.9	6.6	1.33	158	6.83	0.87	661	11.6
1536	PHY 764WRF	0.9	1.07	18.3	5.38	1.27	154	6.82	0.89	692	17.3
1592	DG 3520B3XF	0.9	1.1	20.6	5.87	1.32	153	7.45	0.85	672	14.6
1593	ST 4550GLTP	0.87	1.04	19.2	5.88	1.23	164	6.36	0.89	679	13.3
1595	NG 4936B3XF	0.9	1.09	20.4	5.86	1.31	164	6.2	0.89	679	13.9
1598	DP 2012B3XF	0.91	1.09	18.9	5.28	1.3	162	6.25	0.9	673	12.9
1599	PHY 400W3FE	0.85	1.03	22.4	6.98	1.25	160	6.28	0.89	666	12.5
	LSD	0.029	0.025	2.13	0.83	0.024	3.47	0.385	0.012	20.2	4.45

EASTERN REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Florence	1,169	1,574	42.6			3.55	15.5	0.643	0.438	1.08
Rocky Mount	1,451	1,659	46.4	9.48	5.98	3.07	20.1	0.867	0.593	1.46

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
Florence, SC	4.1	0.85	1.2	84.3	5.5	33.8	7.8	71.7	8
Rocky Mount, NC	4.4	0.86	1.23	85.6	4.3	33.9	8.3	81	8.3
Starkville, MS	4.2	0.86	1.22	84.8	4.6	32.4	6.8	79.5	7.4
Suffolk, VA	3.9	0.84	1.23	84.8	4.9	31.5	8.8	73.5	8

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Florence	0.84	1.04	23.2	7	1.26	159	6.69	0.88	687	15.6
Rocky Mount, NC	0.94	1.1	16.0	4.44	1.29	163	5.92	0.91	664	9.6
Starkville, MS	0.9	1.09	19.1	5.62	1.31	160	6.21	0.90	675	9.1
Suffolk, VA	0.87	1.08	22.1	6.6	1.31	153	7.32	0.85	675	18.9

EASTERN REGION INDIVIDUAL LOCATION SUMMARIES

Location: Florence, SC

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,022	1,440	41.6	.	.	3.57	15.4	0.56	0.41	0.97
1516	DP 1646B2XF	1,361	1,750	43.9	.	.	3.63	14.9	0.575	0.475	1.05
1536	PHY 764WRF	871	1,274	40.6	.	.	3.62	16.2	0.545	0.43	0.975
1592	DG 3520B3XF	1,068	1,520	41.3	.	.	3.64	21.5	0.625	0.45	1.075
1593	ST 4550GLTP	1,262	1,511	45.6	.	.	3.41	12.1	0.665	0.49	1.155
1595	NG 4936B3XF	1,312	1,818	42.0	.	.	3.43	12.6	0.76	0.395	1.155
1598	DP 2012B3XF	1,218	1,657	42.4	.	.	3.81	15.9	0.685	0.425	1.11
1599	PHY 400W3FE	1,242	1,625	43.3	.	.	3.27	15.3	0.73	0.43	1.16
	LSD	256	392	1.9			0.65	5.6	0.047	0.05	0.062

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	3.9	0.86	1.23	84.1	5.3	34.3	6.6	73.3	8.2
1516	DP 1646B2XF	4.1	0.85	1.22	84.2	5.1	31.6	8.8	73.3	7.7
1536	PHY 764WRF	4	0.86	1.16	83.9	6.3	37	7.6	70.4	8
1592	DG 3520B3XF	4	0.85	1.24	84.7	4.7	34.4	8.3	68.6	8.3
1593	ST 4550GLTP	4.4	0.86	1.16	84.4	5.3	35	9.1	72.4	8.8
1595	NG 4936B3XF	4.2	0.85	1.23	85.1	4.7	32.3	8.5	70.3	7
1598	DP 2012B3XF	4	0.86	1.23	85.4	5.5	32.3	6.6	73.6	8.3
1599	PHY 400W3FE	3.9	0.86	1.17	83	7	33.7	7.1	72.1	7.6
	LSD	0.56	0.018	0.06	1.98	2.19	2.6	2.21	2.98	1.22

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.89	1.09	21.6	6.14	1.32	159	5.85	0.91	709	12
1516	DP 1646B2XF	0.82	1.04	26.5	8.15	1.28	158	7.14	0.87	687	21
1536	PHY 764WRF	0.85	1.03	21.3	6.52	1.23	152	7.24	0.88	709	22.5
1592	DG 3520B3XF	0.87	1.08	22.0	6.3	1.3	159	6.87	0.87	682	8.5
1593	ST 4550GLTP	0.81	0.99	22.7	7.27	1.19	163	6.99	0.88	683	13.5
1595	NG 4936B3XF	0.86	1.07	23.0	6.67	1.3	163	6.42	0.88	708	24.5
1598	DP 2012B3XF	0.86	1.07	23.1	6.6	1.29	162	6.44	0.9	663	11.5
1599	PHY 400W3FE	0.8	1	25.7	8.4	1.23	154	6.58	0.87	659	11.5
	LSD	0.06	0.045	4.9	1.89	0.052	8	1.01	0.04	39	10.7

Location: Rocky Mount, NC

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,268	1,468	46.35	9.4	6.23	3.09	18.06	0.74	0.525	1.265
1516	DP 1646B2XF	1,785	1,901	48.45	8.35	5.63	3.12	19.15	0.8	0.7	1.5
1536	PHY 764WRF	711	918	43.63	10.18	6.3	3.4	21.74	0.69	0.525	1.215
1592	DG 3520B3XF	1,257	1,707	42.35	11.33	6.2	3.06	25.13	0.84	0.655	1.495
1593	ST 4550GLTP	1,844	1,919	49	8.9	6.5	3.03	16.15	0.92	0.67	1.59
1595	NG 4936B3XF	1,599	2,008	44.33	9.28	6.13	2.69	16.78	0.99	0.53	1.52
1598	DP 2012B3XF	1,582	1,753	47.43	8.6	5.1	2.9	20.16	1.025	0.61	1.635
1599	PHY 400W3FE	1,561	1,599	49.4	9.78	5.8	3.26	23.55	0.93	0.53	1.46
	LSD	147	154	1.93	0.85	0.456	0.245	1.84	0.084	0.067	0.147

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b
1503	FM 1830GLT	4.4	0.87	1.3	85.9	3.1	33.1	6.8	81.8	8.4
1516	DP 1646B2XF	4.4	0.86	1.27	86.4	3.6	30.7	8.9	82.3	8.2
1536	PHY 764WRF	4.2	0.86	1.21	85.5	4.8	38.3	8.6	80.2	9.1
1592	DG 3520B3XF	3.8	0.84	1.33	88.1	2.6	32.5	9.6	80.5	7.9
1593	ST 4550GLTP	4.5	0.86	1.19	84.9	4.5	35	8.8	79.6	8.8
1595	NG 4936B3XF	4.4	0.86	1.21	85.4	5.1	32.6	8.8	82.3	7.9
1598	DP 2012B3XF	4.6	0.87	1.19	85.4	4.4	34	7.5	80.9	8
1599	PHY 400W3FE	4.8	0.88	1.15	83.6	6.2	35.2	7.1	80.4	8.4
	LSD	0.273	0.012	0.07	1.95	2.06	2.7	0.978	2.22	0.703

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT*	0.96	1.13	16.4	4.45	1.35	160	5.5	0.93	663	8.5
1516	DP 1646B2XF*	0.96	1.13	16.6	4.55	1.34	158	6.37	0.89	642	5
1536	PHY 764WRF*	0.96	1.11	13.9	3.8	1.29	160	6.12	0.9	697	16.5
1592	DG 3520B3XF*	1	1.17	15.4	3.75	1.37	150	7.57	0.86	631	6
1593	ST 4550GLTP*	0.93	1.08	14.6	4.13	1.25	168	5.65	0.92	663	8
1595	NG 4936B3XF*	0.92	1.08	18.0	5.25	1.28	168	5.62	0.91	670	11
1598	DP 2012B3XF*	0.96	1.1	13.3	3.47	1.26	168	5.45	0.93	646	9
1599	PHY 400W3FE*	0.85	1.02	20.2	6.12	1.21	171	5.1	0.94	697	12.5
	LSD	0.044	0.042	3.7	1.16	0.04	7	0.726	0.02	55	9.83

Location: Starkville, MS

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.2	0.87	1.23	84.6	4.5	32.2	5.8	79.9	6.8
1516	DP 1646B2XF	4.4	0.87	1.25	84.7	4.1	28.1	7.3	80.1	6.8
1536	PHY 764WRF	4.1	0.87	1.21	84.9	4.5	38.4	6.5	78	8.5
1592	DG 3520B3XF	3.8	0.85	1.23	84.4	4.8	32.6	7.8	79.4	8
1593	ST 4550GLTP	4.7	0.87	1.19	84.6	5.2	32.5	7.6	78.8	8
1595	NG 4936B3XF	4.3	0.86	1.24	85.3	4.7	30	6.8	80.7	6.6
1598	DP 2012B3XF	4.2	0.87	1.23	84.8	3.7	31.9	6.5	80.8	8
1599	PHY 400W3FE	4.1	0.86	1.21	85	5.7	33.5	6.2	78.4	7
	LSD	0.359	0.12	0.055	1.74	2.38	2.73	0.85	4.03	1.26

vcode	VARIETY	Length	Length	Short Fiber Content	Short Fiber Content			Immature Fiber	Maturity	Nep	Seed Coat Number
1503	FM 1830GLT	0.93	1.12	17.5	5.05	1.35	150	6.15	0.91	676	9
1516	DP 1646B2XF	0.9	1.11	21.0	6.22	1.36	165	5.9	0.9	641	5
1536	PHY 764WRF	0.91	1.08	17.6	5.14	1.28	152	6.74	0.9	692	11
1592	DG 3520B3XF	0.88	1.07	21.1	6.34	1.29	157	7.17	0.86	693	13
1593	ST 4550GLTP	0.9	1.06	17.4	5.35	1.26	170	5.62	0.92	702	11
1595	NG 4936B3XF	0.92	1.12	18.7	5.34	1.34	165	5.72	0.91	658	4.5
1598	DP 2012B3XF	0.95	1.13	17.1	4.62	1.33	164	5.79	0.91	705	12.5
1599	PHY 400W3FE	0.86	1.06	22.3	6.95	1.28	157	6.57	0.89	631	7
	LSD	0.08	0.074	4.4	1.83	0.074	10	1.09	0.04	27	7.86

Location: Suffolk, VA*

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	3.7	0.85	1.27	83.5	4.5	32.2	7	75.9	7.6
1516	DP 1646B2XF	3.6	0.84	1.27	84.6	4.4	29.5	9.7	73.9	7.4
1536	PHY 764WRF	3.9	0.85	1.21	84.5	5.4	34.1	8.8	71.4	8.8
1592	DG 3520B3XF	3.3	0.83	1.27	84.8	3.7	30.4	10.1	71.8	8.1
1593	ST 4550GLTP	4.1	0.85	1.18	84.8	5.6	31.1	9.9	73.6	9
1595	NG 4936B3XF	4.2	0.85	1.25	86.8	3.8	30.1	9.2	73.6	7.8
1598	DP 2012B3XF	3.9	0.85	1.23	84.5	5.7	31.4	7.5	75.5	8
1599	PHY 400W3FE	4.1	0.86	1.19	84.8	6.7	33.5	7.9	72.6	7.6
	LSD	0.442	0.013	0.028	2.21	1.6	2.29	0.884	3.41	0.966

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.9	1.12	21.6	6.24	1.36	149	6.84	0.87	670	12.5
1516	DP 1646B2XF	0.86	1.07	23.7	7.5	1.33	150	7.92	0.83	676	15.5
1536	PHY 764WRF	0.88	1.07	20.4	6.09	1.28	153	7.17	0.87	669	19
1592	DG 3520B3XF	0.87	1.09	23.8	7.12	1.34	146	8.2	0.81	683	31
1593	ST 4550GLTP	0.86	1.05	22.1	6.77	1.25	155	7.17	0.85	667	20.5
1595	NG 4936B3XF	0.89	1.09	21.8	6.2	1.31	161	7.05	0.86	683	15.5
1598	DP 2012B3XF	0.88	1.09	22.3	6.43	1.32	155	7.32	0.86	677	18.5
1599	PHY 400W3FE	0.88	1.07	21.3	6.45	1.29	158	6.87	0.88	676	19
	LSD	0.073	0.06	5.8	2.32	0.04	9	0.88	0.03	59	12.6

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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

CENTRAL REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR CENTRAL BY VARIETIES

vcode	VARIETY	Lint* Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	oil	Plus Gossypol	Minus Gossypol	Free Gossypol

*Yield data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.2	0.86	1.2	83.8	6.1	31.3	6.3	72.9	6.8
1516	DP 1646B2XF	4.5	0.87	1.24	84.5	5.1	31.3	7.1	70.8	6.9
1536	PHY 764WRF	4.2	0.87	1.21	84.5	5.6	32.7	6	70.5	7.7
1592	DG 3520B3XF	4.3	0.87	1.25	85.2	4.5	30.6	6.5	73.3	7.1
1593	ST 4550GLTP	4.3	0.86	1.19	83.8	6.4	31.2	7.2	72.2	7.6
1595	NG 4936B3XF	4.4	0.87	1.19	84.5	5.8	32.9	6.6	71.7	7.3
1598	DP 2012B3XF	4	0.86	1.19	83.1	6.8	31.1	6.4	70.7	7.1
1599	PHY 400W3FE	4.8	0.88	1.16	83	6.4	32.7	6.5	72.5	8.2
	LSD	0.479	0.017	0.039	1.29	1.73	3.07	1.66	2.56	0.981

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.91	1.11	19.6	5.35	1.32	161	5.69	0.93	700	21.8
1516	DP 1646B2XF	0.88	1.07	20.8	6.03	1.29	167	5.83	0.9	674	17.7
1536	PHY 764WRF	0.88	1.08	21.4	5.93	1.29	155	6.48	0.9	747	53.5
1592	DG 3520B3XF	0.87	1.08	23.3	6.37	1.3	157	7.15	0.87	721	43.5
1593	ST 4550GLTP	0.89	1.05	17.8	4.96	1.23	170	5.77	0.92	693	20.3
1595	NG 4936B3XF	0.88	1.08	22.1	6.17	1.3	162	6.1	0.9	701	22.8
1598	DP 2012B3XF	0.9	1.09	18.8	5.18	1.28	169	5.36	0.93	673	18.5
1599	PHY 400W3FE	0.85	1.05	22.4	6.53	1.27	161	6.07	0.91	679	16.5
	LSD	0.034	0.029	2.67	0.98	0.027	4.73	0.394	0.014	44.1	8.57

CENTRAL REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b
College Station, TX	4.2	0.86	1.22	84.4	5.3	31.7	6.5	70.8	7.1
Weslaco, TX	4.4	0.87	1.18	83.7	6.4	31.7	6.5	73	7.5
Corpus Christi, TX									

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
College Station, TX	0.89	1.09	21.2	5.82	1.31	161	6.07	0.91	705	29.3
Weslaco, TX										
Copus Chrisi, TX	0.87	1.06	20.2	5.77	1.26	165	6	0.90	687	20.9

CENTRAL REGION INDIVIDUAL LOCATION SUMMARIES

Location: College Station, TX*

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.3	0.87	1.23	84.3	5.2	31	6.2	71.6	6.6
1516	DP 1646B2XF	4.4	0.87	1.27	84.6	4.5	32.6	7.1	68.5	6.8
1536	PHY 764WRF	4.1	0.87	1.21	84.3	5.6	33.9	5.8	68.3	7.3
1592	DG 3520B3XF	4	0.86	1.27	86	3.8	30.3	6.9	71.4	6.9
1593	ST 4550GLTP	4.3	0.86	1.19	83.8	6.4	31.2	7.2	72.2	7.6
1595	NG 4936B3XF	4.3	0.87	1.23	85	5.5	31.6	6.6	70.9	6.7
1598	DP 2012B3XF	3.9	0.86	1.21	83.1	5.9	29.7	6.6	69.5	7.1
1599	PHY 400W3FE	4.6	0.88	1.19	83.8	5.7	33.7	6	73.8	8.1
	LSD	0.616	0.02	0.06	2.34	2.58	5.69	2.26	3.77	1.74

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT*	0.92	1.12	20.7	5.63	1.35	159	5.84	0.93	701	23
1516	DP 1646B2XF*	0.92	1.11	18.9	5.13	1.33	167	5.5	0.91	703	24
1536	PHY 764WRF*	0.88	1.08	21.4	5.93	1.29	155	6.48	0.90	747	53.5
1592	DG 3520B3XF*	0.88	1.1	23.6	6.44	1.33	160	7	0.88	712	43.5
1593	ST 4550GLTP*	0.9	1.08	18.4	4.95	1.27	165	6.12	0.92	691	18.5
1595	NG 4936B3XF*	0.89	1.1	22.4	6.15	1.32	164	5.8	0.91	710	29
1598	DP 2012B3XF*	0.9	1.11	20.2	5.42	1.32	163	5.59	0.92	695	25
1599	PHY 400W3FE*	0.86	1.07	23.3	6.57	1.29	162	5.97	0.92	679	15.5
	LSD	0.044	0.041	3.5	1.34	0.037	6	0.72	0.02	57	12.5

Location: Weslaco, TX*

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

* Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b
1503	FM 1830GLT	4.1	0.86	1.17	83.4	6.9	31.6	6.4	74.2	7
1516	DP 1646B2XF	4.7	0.87	1.21	84.4	5.7	29.9	7.1	73.1	7
1536	PHY 764WRF	4.2	0.87	1.2	84.6	5.7	31.6	6.2	72.6	8.2
1592	DG 3520B3XF	4.6	0.88	1.23	84.5	5.2	30.9	6.1	75.2	7.3
1593	ST 4550GLTP									
1595	NG 4936B3XF	4.5	0.88	1.15	83.9	6.2	34.3	6.7	72.5	7.8
1598	DP 2012B3XF	4.2	0.86	1.17	83	7.8	32.5	6.2	71.8	7.1
1599	PHY 400W3FE	5.2	0.88	1.1	81.3	7.9	30.9	7.4	69.8	8.5
	LSD	0.804	0.03	0.069	1.54	2.6	3.2	2.66	4.54	1.21

vcode	VARIETY	Length* Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count

* Data are missing due to the laboratory closure during the COVID pandemic periods.

Location: Corpus Christi, TX*

VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

VARIETY	Micro* naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b

* Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT*	0.91	1.09	18.6	5.07	1.3	164	5.55	0.93	700	20.5
1516	DP 1646B2XF*	0.86	1.06	21.8	6.49	1.27	167	6	0.90	660	14.5
1536	PHY 764WRF*	.	.	.	.	.	.	.	.	.	.
1592	DG 3520B3XF*	0.86	1.07	23.0	6.3	1.28	154	7.3	0.86	729	43.5
1593	ST 4550GLTP*	0.87	1.02	17.2	4.97	1.19	175	5.42	0.93	696	22
1595	NG 4936B3XF*	0.87	1.07	21.8	6.19	1.29	160	6.4	0.89	692	16.5
1598	DP 2012B3XF*	0.9	1.07	17.4	4.93	1.25	174	5.14	0.94	651	12
1599	PHY 400W3FE*	0.85	1.04	21.4	6.49	1.24	160	6.17	0.90	679	17.5
	LSD	0.065	0.052	5.0	1.88	0.044	8	0.542	0.03	76	13.1

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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

DELTA REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR DELTA BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	961	1,314	43.6	10.4	4.55	3.72	17.55	0.644	0.503	1.15
1516	DP 1646B2XF	1120	1,418	45.0	9.73	4.48	3.66	17.04	0.709	0.565	1.27
1536	PHY 764WRF	889	1,184	41.4	11.35	4.85	3.56	19.65	0.760	0.507	1.27
1592	DG 3520B3XF	1102	1,655	41.1	11.43	4.77	3.54	21.15	0.713	0.526	1.24
1593	ST 4550GLTP	1236	1,649	46.3	10.36	5.14	3.81	15.26	0.751	0.548	1.30
1595	NG 4936B3XF	1252	1,874	42.7	10.31	4.87	3.54	14.88	0.815	0.513	1.33
1598	DP 2012B3XF	1203	1,642	44.1	9.78	4.61	3.89	17.45	0.793	0.519	1.31
1599	PHY 400W3FE	1198	1,507	44.9	10.42	4.77	3.62	21.72	0.809	0.501	1.31
	LSD	262	246	1.68	0.485	1.01	0.242	1.72	0.11	0.053	0.124

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.5	0.87	1.25	84.5	4.6	33.2	6.8	77.1	7.1
1516	DP 1646B2XF	4.6	0.87	1.26	85.4	3.7	32.7	7.8	76.2	7.1
1536	PHY 764WRF	4.7	0.88	1.21	85.3	4.8	36.2	7.2	74.8	7.6
1592	DG 3520B3XF	4.2	0.86	1.26	85.7	4	33.2	8	76.4	7.5
1593	ST 4550GLTP	4.8	0.88	1.21	84.5	4.9	33.6	7.6	75.6	7.5
1595	NG 4936B3XF	4.8	0.87	1.23	85.4	4.6	31.4	7.8	76.7	6.7
1598	DP 2012B3XF	4.7	0.88	1.22	85.5	4.5	32.3	6.6	76.7	7.8
1599	PHY 400W3FE	4.6	0.87	1.21	84.8	5.1	34	7	75.5	7.5
	LSD	0.256	0.007	0.026	0.788	0.67	1.42	0.61	1.47	0.501

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1503	FM 1830GLT	0.95	1.12	17.2	4.8	1.34	169	5.52	0.93	659	8.6
1516	DP 1646B2XF	0.95	1.13	17.3	4.78	1.35	169	5.68	0.92	659	8
1536	PHY 764WRF	0.94	1.1	16.5	4.58	1.29	171	5.34	0.93	683	11.8
1592	DG 3520B3XF	0.93	1.11	18.8	5.32	1.33	162	6.38	0.89	657	9.5
1593	ST 4550GLTP	0.92	1.08	17.1	4.9	1.27	173	5.46	0.93	653	8.9
1595	NG 4936B3XF	0.92	1.1	18.9	5.5	1.31	173	5.67	0.91	656	8.6
1598	DP 2012B3XF	0.94	1.1	16.9	4.75	1.3	174	5.34	0.93	651	7.8
1599	PHY 400W3FE	0.9	1.08	20.0	5.89	1.29	168	5.77	0.91	659	7.2
	LSD	0.024	0.023	1.35	0.515	0.028	5.63	0.56	0.019	17.9	2.85

DELTA REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Jackson, TN	1,513	1,808	44.3	10.6	4.54	3.60	20.0	0.830	0.574	1.40
Portageville, MO	870	1,170	41.6	11.6	5.47	3.64	17.7	0.772	0.551	1.32
Keiser, AR	1,308	1,614	45.0	9.2	4.27	3.38	17.5	0.752	0.547	1.30
Stoneville, MS	791					4.06	16.9	0.644	0.424	1.07

LOCATION	micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
Saint Joseph, LA	4.8	0.88	1.23	84.9	4.7	33.6	6.4	74.2	7.2
Stoneville, MS	4.7	0.88	1.17	82.9	6.9	32.2	6.7	69.6	6.8
Jackson, TN	4.4	0.86	1.25	86	3.6	32.9	8.4	78.8	7.5
Portageville, MO	5	0.88	1.27	85.9	3.7	33.7	7.2	77.5	6.7
Keiser, AR	4.3	0.86	1.24	86	3.7	34.4	8	80.6	8.5

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Sait Joseph, LA	0.91	1.09	18.3	5.11	1.29	170	5.12	0.94	657	6.7
Stoneville, MS	0.84	1.04	23.8	7.18	1.26	171	5.35	0.92	671	14.1
Jackson, TN	0.95	1.12	16.8	4.79	1.32	168	6.46	0.9	647	6.6
Portageville, MO	0.99	1.15	14.7	4	1.36	180	5.07	0.94	643	4.3
Keiser, AR	0.96	1.13	15.5	4.26	1.33	160	6.23	0.9	680	12.4

DELTA REGION INDIVIDUAL LOCATION SUMMARIES

Location: Saint Joseph, LA*

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1592	DG 3520B3XF	4.2	0.86	1.25	85.8	4.2	32	7.8	72	7.5
1593	ST 4550GLTP	5.1	0.89	1.17	84.8	5.4	34	7.1	73.9	7.6
1595	NG 4936B3XF	4.9	0.88	1.22	84.9	5.2	30.5	6.8	75.5	6.5
1598	DP 2012B3XF	4.8	0.88	1.23	84.8	4.4	31.2	5.2	75.6	7.5
1599	PHY 400W3FE	4.5	0.88	1.2	83.9	5.8	33.5	6.2	75.4	7.5
	LSD	0.417	0.014	0.037	1.8	1.47	3.64	0.92	2.97	1.1

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.96	1.13	15.8	4.12	1.31	176.5	4.05	0.99	650	4.5
1516	DP 1646B2XF	0.93	1.12	18.7	5.2	1.34	169.0	5.38	0.93	665	9
1536	PHY 764WRF	0.94	1.1	15.9	4.37	1.28	173.0	4.77	0.95	680	7
1592	DG 3520B3XF	0.9	1.08	20.3	5.62	1.3	158.5	6.54	0.88	664	10.5
1593	ST 4550GLTP	0.89	1.05	18.3	5.43	1.23	178.0	4.67	0.96	633	6.5
1595	NG 4936B3XF	0.9	1.08	18.8	5.42	1.28	174.0	4.82	0.94	638	3.5
1598	DP 2012B3XF	0.92	1.11	17.7	4.69	1.31	171.0	5.05	0.95	670	7
1599	PHY 400W3FE	0.88	1.07	21.0	6.04	1.28	163.0	5.67	0.92	658	5.5
	LSD	0.05	0.043	3.2	1.11	0.053	8.8	0.763	0.031	61	4.35

Location: Jackson, TN

`		Lint Yield	Seed Yield	Lint	Seed	Boll Size	Nitrogen	Oil	Plus	Minus	Free
vcode	VARIETY	(lb/a)	(lb/a)	Percent	Index	(g/boll)			Gossypol	Gossypol	Gossypol
1503	FM 1838	1,251	1,533	44.2	10.8	4.3	3.65	21.7	0.740	0.625	1.37
1516	DP 1646	1,643	1,972	44.6	10.5	4.4	3.64	19.1	0.815	0.545	1.36
1536	PHY 764	1,240	1,533	42.2	11.2	4.72	3.49	19.2	0.850	0.520	1.37
1592	DG 3520	1,476	1,806	43.8	10.9	4.48	3.53	23.8	0.800	0.540	1.34
1593	ST 4550	1,694	1,836	45.7	10.6	4.84	3.81	17.3	0.770	0.575	1.35
1595	NG 4936	1,821	2,253	44.8	9.7	4.42	3.49	17.7	0.880	0.635	1.52
1598	DP 2012	1,438	1,662	45.3	9.7	4.53	3.61	18.2	0.910	0.620	1.53
1599	PHY 400	1,539	1,869	43.9	11.4	4.6	3.57	23.4	0.875	0.530	1.41
	LSD	173	402	5.0	2.9	0.948	0.321	5.3	0.325	0.154	0.36

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4	0.85	1.27	84.9	3.5	31.2	9.5	79.4	8
1516	DP 1646B2XF	4.4	0.87	1.24	86.2	3.4	33.8	7.1	78.9	7.1
1536	PHY 764WRF	4.4	0.87	1.23	86.8	3.6	34.2	9	78.7	7.1
1592	DG 3520B3XF	4	0.86	1.26	85.6	3.5	33.9	8.3	79.6	8
1593	ST 4550GLTP	4.7	0.87	1.25	86.6	3.3	33.4	8	78.4	7.3
1595	NG 4936B3XF	4.5	0.86	1.26	86.1	3.6	30.8	9	79.2	6.5
1598	DP 2012B3XF	4.5	0.87	1.22	86.4	4.2	31.9	8.3	79.2	8.1
1599	PHY 400W3FE	4.5	0.87	1.25	85.7	3.6	34.2	7.9	77	7.7
	LSD	0.863	0.021	0.1	2.13	1.29	3.54	2.31	2.25	1.36

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.94	1.12	18.2	5.32	1.34	165	7.1	0.87	649	7
1516	DP 1646B2XF	0.98	1.14	15.4	4.17	1.33	168	5.89	0.92	644	6.5
1536	PHY 764WRF	0.93	1.1	17.4	5.1	1.29	167	6.48	0.9	661	8
1592	DG 3520B3XF	0.92	1.11	20.0	5.87	1.34	163	6.82	0.89	638	7
1593	ST 4550GLTP	0.98	1.13	14.5	3.94	1.33	170	6.07	0.92	651	5.5
1595	NG 4936B3XF	0.94	1.12	17.8	5.14	1.34	168	6.95	0.88	624	5
1598	DP 2012B3XF	0.96	1.11	15.1	4.23	1.3	177	6.03	0.92	630	5.5
1599	PHY 400W3FE	0.96	1.13	16.4	4.55	1.33	164	6.35	0.91	677	8
	LSD	0.086	0.09	3.56	1.5	0.11	19	1.27	0.05	36	5.25

Location: Portageville, MO

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1838	711	950	41.7	11.0	5.26	3.75	15.0	0.620	0.495	1.12
1516	DP 1646	888	927	42.8	11.0	5.43	3.6	16.2	0.660	0.610	1.27
1536	PHY 764	427	509	39.1	12.0	5.45	.	.	.	.	.
1592	DG 3520	765	1,311	37.3	13.0	5.28	3.32	23.3	0.705	0.585	1.29
1593	ST 4550	1,106	1,498	44.8	12.0	6.12	3.91	14.6	0.720	0.610	1.33
1595	NG 4936	877	1,440	40.0	12.0	5.83	3.48	15.0	0.970	0.515	1.49
1598	DP 2012	1,135	1,533	42.4	11.0	5.02	3.88	18.7	0.880	0.545	1.43
1599	PHY 400	1,049	1,189	44.7	11.0	5.33	3.56	21.0	0.850	0.500	1.35
	LSD	247	550	1.7	2.6	1.26	0.303	0.5	0.068	0.044	0.10

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	5	0.89	1.26	84.9	4	33.2	6	80.6	7
1516	DP 1646B2XF	4.9	0.87	1.31	86.3	2.9	31.7	8.4	76.6	6.3
1536	PHY 764WRF	4.9	0.88	1.23	85.7	4.7	36.8	7.3	76.4	7.5
1592	DG 3520B3XF	4.2	0.86	1.31	85.7	3	34.1	8.4	76	6.3
1593	ST 4550GLTP	5.5	0.89	1.25	84.9	3.7	35.5	7.5	76.4	7.3
1595	NG 4936B3XF	5.3	0.89	1.28	87	3.3	32.3	7.5	76.9	5
1598	DP 2012B3XF	5	0.88	1.25	86.3	4.1	31.8	6.2	79.7	6.9
1599	PHY 400W3FE	5	0.89	1.25	86.2	4.5	34.1	6.6	77.4	7.5
	LSD	0.542	0.016	0.036	2.71	1.7	2.75	0.884	4.8	1.28

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	1.03	1.19	13.9	3.65	1.4	177	4.9	0.96	626	2.5
1516	DP 1646B2XF	1.01	1.19	15.6	4.25	1.42	182	5.29	0.94	668	5
1536	PHY 764WRF	0.99	1.15	14.0	3.74	1.33	177	4.85	0.95	653	8.5
1592	DG 3520B3XF	1.01	1.18	14.7	3.83	1.4	165	6.57	0.88	642	4.5
1593	ST 4550GLTP	0.95	1.1	14.4	4.09	1.27	189	4.85	0.97	640	5
1595	NG 4936B3XF	1.01	1.17	14.1	3.78	1.37	187	4.67	0.96	634	3.5
1598	DP 2012B3XF	1	1.15	13.6	3.55	1.35	183	4.69	0.96	622	2
1599	PHY 400W3FE	0.95	1.12	17.5	5.1	1.33	183	4.74	0.96	662	3.5
	LSD	0.071	0.064	3.72	1.37	0.052	11.2	1.14	0.041	41.6	6.13

Location: Keiser, AR

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1838	1,172	1,458	44.8	9.4	4.1	3.52	14.0	0.570	0.450	1.02
1516	DP 1646	1,330	1,356	47.8	7.7	3.61	3.16	16.3	0.705	0.680	1.39
1536	PHY 764	1,099	1,509	43.0	10.8	4.39	3.26	21.1	0.690	0.545	1.24
1592	DG 3520	1,294	1,847	42.1	10.4	4.54	3.07	23.7	0.745	0.615	1.36
1593	ST 4550	1,451	1,615	48.4	8.5	4.48	3.38	14.1	0.740	0.580	1.32
1595	NG 4936	1,366	1,930	43.3	9.3	4.36	3.4	12.8	0.855	0.455	1.31
1598	DP 2012	1,415	1,732	44.6	8.7	4.29	3.72	17.4	0.855	0.520	1.38
1599	PHY 400	1,334	1,463	46.0	8.9	4.38	3.51	20.9	0.855	0.530	1.39
	LSD	211	521	1.2	0.9	1.02	0.665	1.4	0.090	0.062	0.15

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.4	0.87	1.29	86.7	2.7	33.4	6.8	82.3	7.5
1516	DP 1646B2XF	4.5	0.86	1.27	85.6	3.5	32.5	8.9	82.1	8.8
1536	PHY 764WRF	4.3	0.87	1.21	85.6	4.3	38.5	7.4	77.8	8.7
1592	DG 3520B3XF	3.6	0.84	1.27	87.4	3.7	35	9.3	81	8.7
1593	ST 4550GLTP	4.4	0.86	1.22	85.2	4.2	34.8	8.9	78.8	8.6
1595	NG 4936B3XF	4.5	0.87	1.23	86.3	3.7	32.2	8.5	82.1	8.7
1598	DP 2012B3XF	4.5	0.87	1.25	87.1	3.4	33.7	7	80.8	9.2
1599	PHY 400W3FE	4.4	0.87	1.22	84.6	4.3	34.8	7.1	80.2	7.9
	LSD	0.448	0.015	0.05	1.92	1.32	2.9	0.814	2.99	1.05

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	1.01	1.17	13.6	3.55	1.38	160	5.58	0.93	709	11.5
1516	DP 1646B2XF	0.97	1.15	17.3	4.7	1.37	161	6.3	0.89	654	8.5
1536	PHY 764WRF	0.98	1.13	14.3	3.75	1.31	161	5.97	0.92	743	19.5
1592	DG 3520B3XF	0.97	1.15	16.0	4.3	1.36	147	7.45	0.85	658	12.5
1593	ST 4550GLTP	0.95	1.09	13.6	3.84	1.27	157	6.57	0.89	657	10.5
1595	NG 4936B3XF	0.95	1.12	17.0	4.87	1.33	165	6.27	0.9	711	21
1598	DP 2012B3XF	0.98	1.13	14.6	3.87	1.32	168	5.59	0.93	661	8.5
1599	PHY 400W3FE	0.92	1.08	17.6	5.19	1.29	163	6.12	0.9	651	7
	LSD	0.04	0.022	3.37	0.971	0.032	13.2	1.36	0.038	55.7	6.67

Location: Stoneville, MS

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1838	710	.	.	.	.	3.97	19.5	0.645	0.440	1.09
1516	DP 1646	619	.	.	.	.	4.24	16.7	0.655	0.425	1.08
1536	PHY 764	792	.	.	.	.	3.95	18.7	0.740	0.455	1.20
1592	DG 3520	874	.	.	.	.	4.24	13.9	0.600	0.365	0.97
1593	ST 4550	694	.	.	.	.	4.11	15.1	0.775	0.425	1.20
1595	NG 4936	944	.	.	.	.	3.81	14.1	0.555	0.445	1.00
1598	DP 2012	823	.	.	.	.	4.33	15.6	0.525	0.390	0.92
1599	PHY 400	871	.	.	.	.	3.83	21.6	0.655	0.445	1.10
	lsd	228					0.702	5.0	0.200	0.090	0.23

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.1	0.86	1.18	81.7	7.9	32.1	6.7	69.4	6.8
1516	DP 1646B2XF	4.6	0.87	1.21	83.3	5.7	33.8	7.2	69.4	6.7
1536	PHY 764WRF	4.8	0.88	1.15	83.5	6.8	32.5	6.3	68.2	6.3
1592	DG 3520B3XF	5	0.89	1.2	84.1	5.6	31	6.3	73.4	6.8
1593	ST 4550GLTP	4.6	0.88	1.17	81.4	8	30.3	6.5	70.5	6.7
1595	NG 4936B3XF	5	0.88	1.15	82.7	7.2	31.4	7.1	70.1	7
1598	DP 2012B3XF	4.7	0.88	1.16	82.8	6.5	33.2	6.1	68.2	7.3
1599	PHY 400W3FE	4.6	0.87	1.17	83.5	7.6	33.3	7.1	67.7	7.1
	LSD	0.863	0.027	0.1	2.62	3.34	4.75	2.06	4.94	1.54

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.83	1.03	24.2	7.35	1.26	168	5.98	0.89	660	17.5
1516	DP 1646B2XF	0.9	1.08	19.6	5.6	1.29	167	5.57	0.92	665	11
1536	PHY 764WRF	0.86	1.05	20.8	5.97	1.25	178	4.63	0.95	680	16
1592	DG 3520B3XF	0.87	1.07	23.2	6.99	1.29	176	4.55	0.95	684	13
1593	ST 4550GLTP	0.84	1.05	24.8	7.23	1.27	170	5.17	0.92	686	17
1595	NG 4936B3XF	0.8	1.02	26.7	8.3	1.24	172	5.65	0.91	675	10
1598	DP 2012B3XF	0.83	1.02	23.5	7.44	1.23	170	5.34	0.92	673	16
1599	PHY 400W3FE	0.8	1.02	27.7	8.57	1.24	165	5.95	0.89	648	12
	LSD	0.056	0.07	4.5	2.01	0.08	17.8	2.21	0.079	29.1	12.1

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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WESTERN REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR WESTERN BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,332	1,531	45.1	9.15	5.36	3.32	15.0	0.575	0.400	0.98
1516	DP 1646B2XF	1,523	1,726	45.6	8.3	5.39	3.64	17.9	0.638	0.543	1.18
1536	PHY 764WRF	1,448	1,853	42.8	10.4	5.46	3.71	19.8	0.558	0.400	0.96
1592	DG 3520B3XF	1,157	1,547	40.9	9.85	5.26	3.47	24.6	0.698	0.483	1.18
1593	ST 4550GLTP	1,620	1,677	48.3	8.2	5.7	3.53	16.7	0.665	0.525	1.19
1595	NG 4936B3XF	1,294	1,663	42.1	9.4	5.51	3.34	15.6	0.900	0.420	1.32
1598	DP 2012B3XF	1,452	1,609	48.5	8.2	4.46	3.61	20.9	0.863	0.458	1.32
1599	PHY 400W3FE	1,667	1,823	47.1	9.2	5.39	3.65	21.8	0.830	0.478	1.31
	LSD	131	208	3.68	0.438	0.95	0.228	2.32	0.072	0.034	0.082

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.5	0.88	1.18	83.7	6.3	32.4	5.4	77.4	8.9
1516	DP 1646B2XF	4.5	0.87	1.2	82.8	5.8	30.7	7.4	76.9	9.3
1536	PHY 764WRF	4.2	0.87	1.16	83.9	6.7	35.9	6.3	73.8	9.9
1592	DG 3520B3XF	3.9	0.85	1.2	85	5	33.9	7.3	75.1	9.4
1593	ST 4550GLTP	4.8	0.87	1.13	83.6	6.3	33.2	7.5	74.1	9.9
1595	NG 4936B3XF	4.5	0.87	1.16	83.6	6.6	29.8	7	77.5	9.3
1598	DP 2012B3XF	4.3	0.87	1.13	82.5	8.1	28.2	5.4	76.2	9.9
1599	PHY 400W3FE	4.6	0.88	1.14	83.6	7.2	31.8	6	75.5	8.9
	LSD	0.256	0.006	0.029	1.27	1.23	1.81	0.39	1.39	0.403

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.86	1.05	21.9	6.79	1.27	163	5.56	0.93	688	12.2
1516	DP 1646B2XF	0.82	1.04	26.0	8.33	1.28	165	5.88	0.9	668	11.5
1536	PHY 764WRF	0.86	1.05	21.3	6.41	1.25	162	6.12	0.91	670	15.3
1592	DG 3520B3XF	0.87	1.07	21.9	6.18	1.28	161	6.68	0.87	674	13.8
1593	ST 4550GLTP	0.83	1.01	21.2	6.53	1.2	171	5.72	0.91	658	9.2
1595	NG 4936B3XF	0.82	1.01	23.9	7.56	1.23	168	5.69	0.9	682	17.5
1598	DP 2012B3XF	0.81	1	24.1	7.69	1.21	166	5.54	0.91	651	7.8
1599	PHY 400W3FE	0.81	1	24.8	7.92	1.22	165	5.83	0.91	657	10.3
	LSD	0.037	0.034	2.62	1.19	0.034	4.96	0.459	0.014	28.5	4.66

WESTERN REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Fiev point, CA	2,292	2,512	47.7	9.09	5.98	3.74	17.9	0.693	0.459	1.15
Las Cruces, NM	795	1,054	43.1		4.82	3.32	20.2	0.738	0.468	1.21

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b
Five Point, CA	4.5	0.87	1.19	84.3	5.7	33.8	6.8	69.5	9
Las Cruces, NM	3.8	0.85	1.2	84	5.5	31.6	7	80	10
Maricopa, AZ	4.9	0.88	1.09	82.5	8.2	30.5	5.8	78	9.4

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Five Point, CA	0.81	1.04	27.7	8.24	1.27	162	6.04	0.9	685	21.7
Las Cruces, NM	0.9	1.07	18.6	5.7	1.28	161	6.4	0.89	659	6.9
Maricopa, AZ	0.8	0.98	23.1	7.59	1.17	173	5.19	0.93	660	8.0

WESTERN REGION INDIVIDUAL LOCATION SUMMARIES

Location: Five Points, CA

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	2,235	2,399	48.2	9.15	5.84	3.5	13.6	0.515	0.36	0.875
1516	DP 1646B2XF	2,348	2,408	49.4	8.3	6.1	3.89	17.0	0.58	0.54	1.12
1536	PHY 764WRF	2,115	2,492	45.9	10.4	6.03	3.89	18.2	0.565	0.41	0.975
1592	DG 3520B3XF	2,034	2,442	45.4	9.85	6.1	3.62	23.2	0.76	0.54	1.3
1593	ST 4550GLTP	2,525	2,474	50.5	8.2	6.32	3.66	13.6	0.645	0.495	1.14
1595	NG 4936B3XF	2,107	2,469	46.0	9.4	6.2	3.67	15.3	0.825	0.385	1.21
1598	DP 2012B3XF	2,394	2,717	46.8	8.2	5.36	3.96	19.8	0.79	0.44	1.23
1599	PHY 400W3FE	2,581	2,692	48.9	9.2	5.89	3.75	22.3	0.865	0.5	1.365
	LSD	204	191	1.2	0.88	0.604	0.406	4.2	0.104	0.052	0.144

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	4.5	0.88	1.21	83.5	6.1	34.8	5.4	71.4	8.9
1516	DP 1646B2XF	4.5	0.87	1.24	84.8	4.3	31.9	8.1	71.3	8.9
1536	PHY 764WRF	4.4	0.87	1.19	84.4	5.7	37.8	6.4	65.9	9.6
1592	DG 3520B3XF	4.5	0.87	1.23	85	4.9	36.1	7.3	67.3	9.1
1593	ST 4550GLTP	4.6	0.87	1.15	83.9	6.1	32.9	8.1	66.2	8.9
1595	NG 4936B3XF	4.5	0.87	1.21	85	5.3	32.7	7.6	72	8.9
1598	DP 2012B3XF	4.7	0.88	1.17	83.3	6.6	31.5	5.7	71.7	9.2
1599	PHY 400W3FE	4.7	0.88	1.15	84.5	7	32.8	6.1	69.7	8.8
	LSD	0.549	0.015	0.073	2.79	2.56	3.75	1.07	3.18	0.581

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.84	1.06	25.4	7.62	1.3	155	5.79	0.91	700	21.5
1516	DP 1646B2XF	0.8	1.04	30.0	9.35	1.3	161	6.55	0.88	684	21.5
1536	PHY 764WRF	0.82	1.04	25.5	7.52	1.26	159	6.35	0.9	698	30
1592	DG 3520B3XF	0.9	1.13	23.2	5.6	1.35	165	6.1	0.89	689	18
1593	ST 4550GLTP	0.79	1	27.8	8.5	1.22	163	6.14	0.9	680	15
1595	NG 4936B3XF	0.79	1.03	30.0	9.14	1.27	167	5.77	0.9	730	36
1598	DP 2012B3XF	0.8	1.02	27.2	8.0	1.25	165	5.29	0.92	646	14
1599	PHY 400W3FE	0.74	0.99	32.4	10.2	1.23	159	6.35	0.9	658	17.5
	lsd	0.037	0.037	3.5	1.6	0.041	8	0.619	0.02	59	9.28

Location: Las Cruces, NM

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	655	880	42.8	.	5.01	3.14	16.3	0.635	0.44	1.08
1516	DP 1646B2XF	905	1,214	42.8	.	4.86	3.4	18.9	0.695	0.545	1.24
1536	PHY 764WRF	947	1,374	40.5	.	5.02	3.52	21.5	0.55	0.39	0.94
1592	DG 3520B3XF	499	875	37.5	.	4.64	3.31	25.9	0.635	0.425	1.06
1593	ST 4550GLTP	941	1,079	46.6	.	5.23	3.4	19.8	0.685	0.555	1.24
1595	NG 4936B3XF	685	1,059	39.2	.	4.99	3	16.0	0.975	0.455	1.43
1598	DP 2012B3XF	745	779	49.7	.	3.78	3.26	21.9	0.935	0.475	1.41
1599	PHY 400W3FE	981	1,171	45.6	.	5.01	3.55	21.3	0.795	0.455	1.25
	LSD	196	332	6.6		0.608	0.356	2.6	0.111	0.058	0.1

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	3.8	0.86	1.25	85.2	4.1	31.8	6	82.4	9.3
1516	DP 1646B2XF	3.9	0.85	1.24	82	5.2	30.3	7.8	81.1	10.2
1536	PHY 764WRF	3.7	0.85	1.18	83.7	7	33.8	6.9	78	10.1
1592	DG 3520B3XF	3.1	0.83	1.25	86	3.9	32.3	7.4	79.9	9.8
1593	ST 4550GLTP	4.2	0.86	1.16	84	5.5	33.4	8.1	80.4	10.4
1595	NG 4936B3XF	3.7	0.85	1.2	84	5.7	29.8	7.4	81	9.9
1598	DP 2012B3XF	3.5	0.85	1.15	83.7	7	28.5	5.9	78.9	11.3
1599	PHY 400W3FE	4.1	0.86	1.21	83.9	6.1	32.9	6.3	78.4	8.8
	LSD	0.327	0.01	2.04	1.94	2.04	2.16	0.667	2.93	0.761

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.92	1.1	17.6	5.24	1.32	156	5.99	0.91	683	6
1516	DP 1646B2XF	0.87	1.07	22.3	7.23	1.33	162	6.19	0.88	652	5
1536	PHY 764WRF	0.93	1.1	16.9	5.02	1.31	159	6.67	0.89	636	7
1592	DG 3520B3XF	0.91	1.1	18.8	5.5	1.33	155	7.25	0.86	663	8.5
1593	ST 4550GLTP	0.9	1.05	16.1	4.9	1.22	165	6.55	0.89	652	6
1595	NG 4936B3XF	0.88	1.05	19.4	6.13	1.26	162	6.25	0.88	680	12.5
1598	DP 2012B3XF	0.87	1.03	18.9	5.88	1.23	163	6.39	0.89	666	6.5
1599	PHY 400W3FE	0.9	1.08	18.6	5.7	1.3	166	5.92	0.91	643	4
	LSD	0.071	0.068	3.7	1.63	0.07	6.0	0.673	0.02	57	8.53

Location: Maricopa, AZ*

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1503	FM 1830GLT	5.1	0.9	1.1	82.4	8.6	30.5	4.6	78.5	8.4
1516	DP 1646B2XF	4.9	0.88	1.13	81.5	7.9	29.8	6.2	78.3	8.9
1536	PHY 764WRF	4.6	0.88	1.11	83.7	7.5	36.2	5.7	77.5	10
1592	DG 3520B3XF	4.2	0.86	1.12	84.2	6.3	33.3	7.2	78.2	9.5
1593	ST 4550GLTP	5.5	0.9	1.08	83	7.3	33.2	6.3	75.7	10.5
1595	NG 4936B3XF	5.2	0.89	1.08	82	8.9	26.8	6.1	79.4	9.2
1598	DP 2012B3XF	4.6	0.88	1.08	80.5	10.9	24.8	4.6	78.1	9.4
1599	PHY 400W3FE	5.1	0.89	1.05	82.5	8.6	29.5	5.6	78.4	9.1
	LSD	0.547	0.008	0.031	2.4	2.44	4.26	0.62	2.62	0.932

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.82	0.99	22.7	7.52	1.19	179	4.92	0.96	681	9
1516	DP 1646B2XF	0.8	1	25.7	8.4	1.2	172	4.9	0.93	670	8
1536	PHY 764WRF	0.83	1.01	21.4	6.69	1.19	169	5.35	0.93	675	9
1592	DG 3520B3XF	0.81	0.99	23.6	7.45	1.17	164	6.69	0.88	670	15
1593	ST 4550GLTP	0.82	0.98	19.8	6.19	1.15	185	4.47	0.96	643	6.5
1595	NG 4936B3XF	0.8	0.97	22.4	7.4	1.16	177	5.05	0.94	635	4
1598	DP 2012B3XF	0.77	0.95	26.2	9.17	1.17	171	4.95	0.94	642	3
1599	PHY 400W3FE	0.78	0.95	23.4	7.89	1.13	171	5.22	0.93	670	9.5
	LSD	0.091	0.079	6.9	3.18	0.072	12.9	1.26	0.038	51	10.4

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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PIMA REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR PIMA BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1532	PHY 881RF	987	1,247	42.3	13.3	3.78	3.53	20.5	0.65	0.6	1.27
1579	DP 341RF	989	1,325	41.9	12.2	3.41	3.56	21.5	0.48	0.5	0.97
1597	DP 359RF	955	1,247	42.0	11.4	3.5	3.6	21.9	0.51	0.5	1.03
1611	DP 347RF	990	1,140	44.2	11.1	3.39	3.88	22.2	0.54	0.6	1.10
	LSD	140	155	1.23		1.38	0.395	1.47	0.137	0.057	0.18

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1532	PHY 881RF	4.5	0.88	1.42	86.4	2.5	46.1	6.6	63	12.3
1579	DP 341RF	4.4	0.88	1.43	87.3	2.5	47.5	6.3	63	12.6
1597	DP 359RF	4.5	0.88	1.4	87.1	2.5	45.9	6.7	62.7	12.9
1611	DP 347RF	4.2	0.86	1.32	85.8	3.6	39.6	7.4	68.7	11.4
	LSD	0.241	0.008	0.052	3.25	0.11	2.01	0.55	2.44	0.401

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1532	PHY 881RF	0.95	1.21	22.6	5.59	1.48	143	5.69	0.92	706	11.3
1579	DP 341RF	0.94	1.2	22.5	5.93	1.45	142	5.75	0.93	677	12
1597	DP 359RF	0.97	1.21	20.4	4.98	1.46	147	5.43	0.94	664	5.75
1611	DP 347RF	0.89	1.11	23.0	6.75	1.36	151	6.51	0.9	664	9.5
	LSD	0.07	0.045	4.85	1.8	0.03	7.83	0.668	0.024	55.7	7.76

PIMA REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Five Point, CA	1,732	2,148	44.7	12.0	3.94	3.81	22.6	0.55	0.583	1.13
Las Cruces, NM	229	332	40.5		3.17	3.47	20.5	0.539	0.509	1.05

LOCATION	micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
Five Point, CA	4.9	0.89	1.4	86.6	2.5	47.5	6.8	56.1	12.9
Las Cruces, NM	3.8	0.86	1.39	86.7	3.1	42	6.7	72.6	11.7

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Five Point, CA	0.89	1.15	24.9	6.77	1.41	146	5.56	0.94	696	10.9
Las Cruces, NM	0.98	1.21	19.2	4.86	1.46	144	6.13	0.91	660	8.4

PIMA REGION – INDIVIDUAL LOCATION SUMMARIES

Location: Five Points, CA

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1532	PHY 881RF	1,743	2,154	44.7	13.3	4.11	3.65	22.0	0.605	0.675	1.28
1579	DP 341RF	1,773	2,355	42.9	12.2	3.89	3.76	22.7	0.5	0.52	1.02
1597	DP 359RF	1,607	2,044	44.0	11.4	4.02	3.75	22.9	0.535	0.555	1.09
1611	DP 347RF	1,807	2,038	47.0	11.1	3.69	4.11	22.7	0.56	0.58	1.14
	LSD	222	215	1.0	1.2	0.46	0.41	3.5	0.1	0.13	0.232

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1532	PHY 881RF	5.2	0.89	1.4	85.9	2.5	47.7	7.1	54.1	12.7
1579	DP 341RF	4.8	0.89	1.41	86.8	2.6	46	6.3	57	13
1597	DP 359RF	5	0.89	1.39	86.1	2.6	47	6.6	55.8	13
1611	DP 347RF	4.8	0.88	1.4	87.6	2.5	49.4	7.2	57.4	12.9
	LSD	0.343	0	0.1	7	0.14	3.07	1.08	5.85	0.589

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1532	PHY 881RF	0.92	1.19	24.7	6.33	1.47	151	5.32	0.94	724	14.5
1579	DP 341RF	0.86	1.13	27.3	8	1.4	142	5.94	0.93	687	9.5
1597	DP 359RF	0.9	1.14	23.0	5.99	1.39	152	4.9	0.96	679	5
1611	DP 347RF	0.89	1.14	24.8	6.77	1.4	142	6.1	0.93	693	14.5
	LSD	0.15	0.097	10.4	3.83	0.066	17.0	1.47	0.052	130	15.8

Location: Las Cruces, NM

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1532	PHY 881RF	231	341	39.8	.	3.46	3.4	18.9	0.685	0.565	1.25
1579	DP 341RF	206	296	40.8	.	2.93	3.36	20.2	0.465	0.455	0.92
1597	DP 359RF	304	450	39.9	.	3.11	3.45	21.0	0.485	0.485	0.97
1611	DP 347RF	174	242	41.5	.	3.17	3.66	21.8	0.52	0.53	1.05
	LSD	166	216	2.3		0.25	0.767	1.2	0.287	0.038	0.32

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b
1532	PHY 881RF	3.7	0.86	1.44	86.8	2.5	44.6	6.1	71.9	11.8
1579	DP 341RF	3.9	0.87	1.44	87.9	2.5	48.9	6.3	69	12.3
1597	DP 359RF	3.9	0.87	1.42	88	2.5	44.8	6.9	69.6	12.7
1611	DP 347RF	3.6	0.85	1.23	84	4.7	29.8	7.7	80.1	9.9
	LSD	0.41	0.017	0.054	1.6	0.196	3.2	0.685	2.21	0.826

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1532	PHY 881RF	0.98	1.23	20.4	4.85	1.49	135	6.07	0.91	689	8
1579	DP 341RF	1.03	1.27	17.6	3.87	1.51	142	5.57	0.94	666	14.5
1597	DP 359RF	1.04	1.27	17.9	3.98	1.53	142	5.97	0.93	649	6.5
1611	DP 347RF	0.88	1.08	21.1	6.74	1.32	159	6.92	0.87	635	4.5
	LSD	0.045	0.043	2.6	0.978	0.049	4.2	0.64	0.014	72	11.1

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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

REGIONAL HIGH QUALITY

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR REGIONAL HIGH QUALITY BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,308	1770	42.2	10.3	5.1	3.64	15.7	0.610	0.450	1.06
1516	DP 1646B2XF	1,737	2236	44	9	4.9	3.31	17.5	0.681	0.614	1.30
1558	DP 1845B3XF	1,326	1751	42.2	8.9	4.8	3.38	17.2	0.634	0.471	1.11
1559	DP 1820B3XF	1,445	1812	44.2	9.4	4.9	3.4	15.8	0.576	0.409	0.99
1587	NM 18B1593	1,366	2023	41.2	10.3	4.8	3.56	17.2	0.734	0.485	1.22
1588	TAM 14H29	966	1746	35.6	12.6	5.7	3.39	20.4	0.730	0.539	1.27
1599	PHY 400W3FE	1,587	2125	43.6	9.3	5.1	3.68	21.7	0.845	0.513	1.36
1600	PHY 500W3FE	1,319	1645	44.2	9.2	4.8	3.45	19.0	0.770	0.591	1.36
1601	ST 4990B3XF	1,444	2050	39.8	10	5.2	3.4	14.7	0.921	0.473	1.39
1602	NM 18B1613	1,483	2192	41.9	10	4.9	3.77	17.1	0.730	0.490	1.22
1603	TAM 14H-11	1,120	2172	35.6	12.5	5.6	3.37	20.8	0.706	0.544	1.25
1604	ARK 1202-34	1,557	2249	42.4	12.1	5.4	3.63	20.8	0.799	0.590	1.39
1605	ARK 1211-58	1,366	1978	40.8	10.5	5	3.76	17.1	0.661	0.450	1.11
1606	ARK 1206-25	1,533	2293	40.8	11.7	5.7	3.61	17.9	0.743	0.496	1.24
1607	ARK 1214-52	1,457	1878	43.4	10.5	5.4	3.86	16.9	0.696	0.476	1.17
1608	MD 16-58-27	977	1826	36	11.2	4.8	3.69	21.8	0.925	0.633	1.56
1609	MD 16-58-42	740	1419	35.1	11.8	4.7	3.71	22.8	1.055	0.638	1.69
1610	MD 16-58-141	1,198	2247	36.5	11.8	5.2	3.52	22.0	0.846	0.669	1.52
	LSD	433	886	1.9	0.1	0.812	0.291	1.8	0.073	0.050	0.12

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.5	0.87	1.25	84.5	4.4	33.2	5.7	78.3	7.1	6.61	73.6
1516	DP 1646B2XF	4.5	0.87	1.24	84.5	4.4	32.2	6.5	76.4	7.4	6.83	69.9
1558	DP 1845B3XF	4.2	0.86	1.26	84.9	3.9	33.7	6.9	77.5	7.5	6.73	69.7
1559	DP 1820B3XF	4.7	0.88	1.23	84.9	4.8	33.4	5.4	76.4	7.5	6.35	75.0
1587	NM 18B1593	4.6	0.88	1.24	84.1	4.7	34.6	6	75.7	7.5	7.2	78.0
1588	TAM 14H29	4.2	0.86	1.36	86	2.9	37.1	6	75.8	8.1	8.31	73.7
1599	PHY 400W3FE	4.5	0.87	1.2	84.6	5.3	33.4	6.1	77.2	7.6	6.19	73.7
1600	PHY 500W3FE	4.3	0.87	1.17	83.6	5.9	33.7	5.6	76.2	8.1	10.37	74.7
1601	ST 4990B3XF	4.5	0.87	1.22	85.1	4.8	31.8	6.5	78	7.3	5.87	72.5
1602	NM 18B1613	4.7	0.88	1.2	84.7	5	34.7	6	75.9	7.7	8.04	78.2
1603	TAM 14H-11	4	0.86	1.32	85.1	3	35.2	6.4	76.3	8	8.77	72.2
1604	ARK 1202-34	4.6	0.88	1.25	85.3	4.1	32.1	5.9	76.2	7.5	6.47	70.1
1605	ARK 1211-58	4.7	0.88	1.24	85.5	4.1	34.3	6.1	77	7.2	6.94	72.1
1606	ARK 1206-25	4.7	0.88	1.25	85	4.3	33.4	5.7	77.5	7.6	6.77	74.4
1607	ARK 1214-52	4.7	0.87	1.25	84.8	4.4	32.1	6.2	76.4	7.7	6.64	71.4
1608	MD 16-58-27	4.9	0.88	1.2	84.4	4.6	39	6.2	73.4	8.3	8.77	76.6
1609	MD 16-58-42	4.9	0.89	1.22	84.2	4.5	40.4	5.7	74.1	8.3	7.9	83.7
1610	MD 16-58-141	4.7	0.88	1.22	84.8	4.4	38.4	5.9	75.1	7.8	7.54	82.2
	LSD	0.127	0.004	0.021	0.782	0.709	1.04	0.198	0.964	0.35		

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1503	FM 1830GLT	0.93	1.11	1.33	5.27	18.6	166	5.54	0.93	658	9.9
1516	DP 1646B2XF	0.92	1.09	1.29	4.97	17.2	166	5.5	0.93	659	9.2
1558	DP 1845B3XF	0.92	1.11	1.33	5.53	19.1	166	5.72	0.91	665	9.7
1559	DP 1820B3XF	0.91	1.1	1.33	6.03	20.1	166	5.45	0.93	661	9.9
1587	NM 18B1593	0.95	1.14	1.36	4.99	17.8	161	5.63	0.92	678	11.5
1588	TAM 14H29	0.94	1.14	1.38	5.33	19.2	166	5.63	0.93	669	9.9
1599	PHY 400W3FE	0.9	1.09	1.3	5.79	19.6	165	5.46	0.93	646	7.1
1600	PHY 500W3FE	0.89	1.08	1.3	6.03	20.4	162	5.88	0.91	665	10.1
1601	ST 4990B3XF	0.91	1.09	1.29	5.15	18.0	168	5.37	0.93	674	11.3
1602	NM 18B1613	0.96	1.14	1.37	4.65	16.9	165	5.77	0.92	683	14.3
1603	TAM 14H-11	0.92	1.12	1.35	5.66	20.0	167	5.85	0.91	672	13.9
1604	ARK 1202-34	0.94	1.14	1.36	5.24	18.9	170	5.59	0.93	658	8.5
1605	ARK 1211-58	0.92	1.1	1.32	5.43	19.0	173	5.45	0.94	668	10.3
1606	ARK 1206-25	0.94	1.1	1.29	4.2	14.9	178	5.08	0.95	683	11.3
1607	ARK 1214-52	0.95	1.11	1.31	4.18	15.1	177	4.96	0.95	675	11.9
1608	MD 16-58-27	0.95	1.1	1.28	3.74	13.7	177	4.92	0.96	668	9.5
1609	MD 16-58-42	0.93	1.09	1.28	4.55	16.1	168	5.5	0.94	677	14.8
1610	MD 16-58-141	0.91	1.09	1.3	5	18.1	162	5.82	0.93	700	21.3
	LSD	0.023	0.02	1.37	0.543	0.02	2.95	0.282		18.2	2.9

REGIONAL HIGH QUALITY REGION SUMMARY BY LOCATION SITES

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
Jackson, TN	1,381	1671	42.9	11.1	4.6	3.68	19.8	0.833	0.575	1.41
Portageville, MO	923	1369	39.7	11.8	5.7					
Las Cruces, NM	763	1104	40.9	.	4.9	3.31	19.58	0.767	0.514	1.28
Keiser, AR	1,137	1581	41.3	9.7	4.1	3.77	17.03	0.722	0.525	1.25
Stoneville, MS	2,233	3462	39.1	9.8	6.5	3.49	18.3	0.714	0.503	1.22

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
College Station, TX	4.4	0.88	1.23	84.1	4.7	34.1	5.1	70.8	7	11.2	75.1
Saint Joseph, LA	4.9	0.89	1.23	84.3	4.6	35.4	5.6	74.4	6.9	7.22	76.7
Stoneville, MS	4.4	0.87	1.23	83.8	5.3	33.6	6.2	75.7	7.2	6.59	73.9
Jackson, TN	4.7	0.87	1.25	85.8	3.7	35	6.9	77.6	7.6	4.93	73.4
Portageville, MO	5.2	0.89	1.26	85.9	3.7	36.4	6.3	76.5	6.9	6.23	75.8
Las Cruces, NM	3.9	0.86	1.21	84	5.3	32.4	6	79.3	10.1	7.87	71.1
Keiser, AR	4.2	0.86	1.26	85.6	3.6	35.1	6.2	79.7	8	7.36	75.9

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
College Station, TX	0.88	1.09	22.0	5.97	1.31	163	5.6	0.92	704	27.2
Sint Joseph, LA	0.93	1.1	17.2	4.82	1.31	176	4.7	0.96	663	7.9
Stoneville, MS	0.88	1.07	20.6	6.13	1.3	163	5.69	0.92	654	6.1
Jackson, TN	0.98	1.14	14.4	3.94	1.34	172	5.5	0.93	667	8.5
Porgeville, MO	1	1.16	14.7	3.83	1.35	184	4.61	0.96	652	5.2
Las Cruces, NM	0.89	1.07	19.8	6.23	1.29	163	6.02	0.9	661	8.5
Keiser, AR	0.95	1.13	16.4	4.64	1.35	159	6.19	0.91	677	11.8

REGIONAL HIGH QUALITY REGION – INDIVIDUAL LOCATION SUMMARIES

Location: College Station, TX*

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.3	0.87	1.23	82.8	6.2	30	5.5	71.8	6.1	10.7	63.8
1516	DP 1646B2XF*	4.7	0.89	1.19	84	5.3	35.8	4.3	69.4	7.4	13.2	77.1
1558	DP 1845B3XF	4.3	0.88	1.23	84	4.7	33.7	4.2	72.5	6.2	9.89	74.1
1559	DP 1820B3XF	4.6	0.89	1.24	84.2	4.6	32.8	4.3	71.1	7.3	9.93	73.8
1587	NM 18B1593	4.1	0.88	1.19	83.8	5.8	33.6	4.4	70.5	7.4	9.65	84.2
1588	TAM 14H-29	4.5	0.88	1.22	84.3	5	34.5	4.6	70.4	7.2	9.01	78.0
1599	PHY 400W3FE*	4.4	0.88	1.19	84.4	5.8	32.4	5.1	70.2	6.2	10.3	65.6
1600	PHY 500W3FE	4.6	0.88	1.22	83.7	5.1	31.6	4.3	68.8	6.9	11.2	68.8
1601	ST 4990B3XF	4.6	0.88	1.23	85.1	4.5	33.2	4.8	73.6	6.3	9.11	77.2
1602	NM 18B1613	4.9	0.89	1.15	84.8	4.7	37.5	4.7	69.4	7.6	19.5	82.3
1603	TAM 14H-11	4.1	0.86	1.26	83.5	4.1	33.1	6.8	71.8	6.6	11.7	62.7
1604	ARK 1202-34	4.4	0.87	1.28	84.6	3.5	32.2	5.8	73	7	9.82	67.7
1605	ARK 1211-58	4.9	0.89	1.19	84.5	5.2	40.8	5.4	67.2	8	12.4	88.3
1606	ARK 1206-25	4.7	0.88	1.17	83.5	5.7	38.2	5.5	68.3	7.2	8.74	87.2
1607	ARK 1214-52	4.6	0.88	1.3	85.4	3.1	33.2	5.4	72.4	6.9	8.13	69.1
1608	MD 16-58-27	4	0.86	1.34	85.2	2.8	36.1	5.8	70	8	11.3	77.6
1609	MD 16-58-42	4.3	0.86	1.22	83.6	5.4	31.2	6.2	72.8	6.7	10.1	74.2
1610	MD 16-58-141	4	0.86	1.3	83.1	4.3	34.8	6	71.3	7.2	17.4	75.6
	LSD	0.31	0.007	0.05	2.26	1.95	1.73	0.32	1.97	0.81	7.2	10.7

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.85	1.09	1.34	26.6	7.54	159	6.42	0.88	696	30
1516	DP 1646B2XF*	0.92	1.09	1.28	17.2	4.52	166	4.95	0.95	696	31
1558	DP 1845B3XF	0.88	1.08	1.3	21.5	6.02	158	5.97	0.93	718	25.5
1559	DP 1820B3XF	0.88	1.09	1.32	23.5	6.79	171	5.09	0.94	663	17.5
1587	NM 18B1593	0.85	1.05	1.26	22.2	6.32	153	5.63	0.92	699	24
1588	TAM 14H-29	0.91	1.11	1.32	20.3	5.27	163	5.02	0.94	706	22.5
1599	PHY 400W3FE*	0.84	1.06	1.27	24.5	7.04	164	5.85	0.91	683	18.5
1600	PHY 500W3FE	0.87	1.08	1.31	22.9	6.47	168	5.27	0.93	691	22
1601	ST 4990B3XF	0.89	1.1	1.32	21.6	5.55	164	5.75	0.92	684	18
1602	NM 18B1613	0.9	1.06	1.22	15.4	3.94	182	4.22	0.97	728	32
1603	TAM 14H-11	0.83	1.09	1.34	28.6	8.07	157	6.52	0.89	694	33
1604	ARK 1202-34	0.89	1.11	1.34	22.6	5.99	163	5.72	0.92	701	24
1605	ARK 1211-58	0.93	1.11	1.28	16.5	3.75	172	5.25	0.96	747	36.5
1606	ARK 1206-25	0.91	1.06	1.22	14.9	3.79	170	4.72	0.96	747	27
1607	ARK 1214-52	0.93	1.15	1.38	21.5	5.42	162	5.1	0.95	701	34
1608	MD 16-58-27	0.9	1.15	1.4	24.5	6.47	151	6.35	0.9	696	22
1609	MD 16-58-42	0.84	1.06	1.29	25.2	7.14	160	5.95	0.91	698	26.5
1610	MD 16-58-141	0.86	1.13	1.4	27.2	7.37	149	7.09	0.88	729	45
	LSD	0.08	0.061	0.051	6.24	2.46	9	0.96	0.027	40	11.5

Location: Saint Joseph , LA*

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	5	0.89	1.25	84.6	3.8	34.8	5.3	74.9	5.9	6.25	85.9
1516	DP 1646B2XF*	4.6	0.87	1.27	84.2	4.4	30.9	6.5	74.8	6.2	6.25	68.4
1558	DP 1845B3XF	4.7	0.87	1.26	85.6	3.6	33.8	6.9	77.1	6.7	5.74	65.9
1559	DP 1820B3XF	5	0.89	1.22	84	5.6	33.1	5.1	73.3	6.5	6.21	75.4
1587	NM 18B1593	5	0.89	1.24	82.7	4.8	37.2	5.9	73.3	6.5	7.76	79.0
1588	TAM 14H-29	4.3	0.87	1.41	87.9	2.5	40.4	6	74.1	7.6	7.78	75.5
1599	PHY 400W3FE*	4.6	0.88	1.21	83.9	5.9	34.8	5.7	75.8	7.1	6.59	74.6
1600	PHY 500W3FE	4.5	0.88	1.15	83	5.8	35.1	5.4	75.1	7	6.48	74.1
1601	ST 4990B3XF	4.9	0.88	1.23	85	4.7	31.8	6.1	75.2	6	6.02	66.8
1602	NM 18B1613	4.9	0.89	1.19	83.2	5.6	35.9	5.5	74.8	6.6	5.92	79.6
1603	TAM 14H-11	4.8	0.88	1.29	85.2	3	36.6	5.6	75.7	7.5	9	71.7
1604	ARK 1202-34	5	0.89	1.27	85.2	3.4	32.3	5.5	74.6	7.4	6.59	70.7
1605	ARK 1211-58	5	0.89	1.23	84.7	4.5	33	5.6	75.6	6.4	6.68	75.4
1606	ARK 1206-25	5.1	0.9	1.26	84.9	3.9	31.9	5.2	75.5	7.1	6.17	73.6
1607	ARK 1214-52	5.1	0.89	1.19	81.7	6.7	32.5	5.7	74.4	6.9	5.78	77.7
1608	MD 16-58-27	5.3	0.9	1.15	83.1	5.7	39.8	5.7	72.8	8.1	15.72	75.2
1609	MD 16-58-42	5.5	0.91	1.2	83.8	4.4	44.3	5	69.7	7.7	8.66	100.8
1610	MD 16-58-141	5.1	0.89	1.22	85.4	4.1	39.4	5.3	73.2	6.9	6.36	91.0
	LSD	0.42	0.112	0.077	2.41	2.53	2.64	0.423	3.6	1.22	4.98	11.7

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.91	1.09	1.29	17.5	4.8	176	4.2	0.98	631	6
1516	DP 1646B2XF*	0.9	1.06	1.24	17.1	4.87	161	4.99	0.96	675	4.5
1558	DP 1845B3XF	0.9	1.09	1.3	19.4	5.64	176	4.89	0.94	654	7.5
1559	DP 1820B3XF	0.94	1.13	1.33	17.3	4.69	166	5.03	0.95	661	7.5
1587	NM 18B1593	1.01	1.21	1.46	16.7	4.34	162	5.14	0.95	703	13
1588	TAM 14H-29	0.87	1.08	1.32	22.6	6.84	180	4.95	0.96	652	4
1599	PHY 400W3FE*	0.98	1.15	1.36	15.6	4.12	172	4.52	0.98	617	5.5
1600	PHY 500W3FE	0.88	1.09	1.34	23.4	6.77	164	5.72	0.92	649	6.5
1601	ST 4990B3XF	0.92	1.09	1.28	16.4	4.55	172	4.45	0.98	680	13.5
1602	NM 18B1613	0.98	1.17	1.4	17.3	4.45	167	5.35	0.94	673	8.5
1603	TAM 14H-11	0.94	1.1	1.31	16.8	4.75	180	4.32	0.97	658	9.5
1604	ARK 1202-34	0.97	1.15	1.37	17.2	4.6	184	4.3	0.98	641	5
1605	ARK 1211-58	0.87	1.07	1.28	21.3	6.24	180	5.15	0.96	652	5
1606	ARK 1206-25	0.89	1.02	1.19	14.9	4.43	193	4.54	0.99	721	15
1607	ARK 1214-52	0.95	1.07	1.23	10.1	2.79	195	3.57	1.02	707	9
1608	MD 16-58-27	0.95	1.08	1.25	11.8	3.2	185	4.1	0.99	637	7
	LSD	0.054	0.05	0.05	2.7	1.19	9	0.55	0.022	59	5.08

Location: Stoneville, MS

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	2,137	3049	41.2	9.5	6.3	3.61	14.5	0.540	0.41	0.95
1516	DP 1646B2XF	2,777	3703	42.8	7.9	6	3.26	17.7	0.605	0.58	1.19
1558	DP 1845B3XF	2,374	3367	41.4	7.6	6.1	3.35	15.7	0.535	0.415	0.95
1559	DP 1820B3XF	2,303	3049	43	9	6	3.52	15.5	0.500	0.37	0.87
1587	NM 18B1593	2,230	3457	39.2	9.3	6.1	3.51	16.4	0.695	0.45	1.15
1588	TAM 14H29	1,621	3117	34.2	12.2	7.2	3.29	20.1	0.700	0.525	1.23
1599	PHY 400W3FE	2,822	3980	41.5	9.3	6.3	3.69	22.4	0.940	0.57	1.51
1600	PHY 500W3FE	2,161	2813	43.4	8.1	5.6	3.29	18.7	0.695	0.58	1.28
1601	ST 4990B3XF	2,213	3255	40.5	8.9	6.3	3.36	13.8	0.830	0.42	1.25
1602	NM 18B1613	2,695	3907	40.8	9.3	6.2	3.62	17.0	0.685	0.475	1.16
1603	TAM 14H-11	2,101	4056	34.1	11.8	7.5	3.22	20.0	0.700	0.535	1.24
1604	ARK 1202-34	2,563	3964	39.3	11.3	6.8	3.43	21.3	0.795	0.575	1.37
1605	ARK 1211-58	2,282	3552	39.1	9.8	6.4	3.69	17.1	0.610	0.425	1.04
1606	ARK 1206-25	2,294	3583	39	10.9	7.4	3.57	16.0	0.660	0.435	1.10
1607	ARK 1214-52	2,476	3426	42	9.9	6.7	3.83	15.6	0.635	0.44	1.08
1608	MD 16-58-27	1,605	3035	34.6	10.3	6.3	3.55	21.4	0.910	0.6	1.51
1609	MD 16-58-42	1,441	2906	33.1	11.3	6.4	3.62	23.6	1.030	0.595	1.63
1610	MD 16-58-141	2,106	4088	34	11.3	6.6	3.42	22.7	0.790	0.655	1.45
	LSD	277	388	0.939	0.61	0.415	0.322	1.7	0.059	0.044	0.10

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.5	0.87	1.19	83.2	7.1	32.1	5.8	78.2	6.9	6.66	73.7
1516	DP 1646B2XF*	4.4	0.86	1.25	83.2	5.2	30.1	7.2	76.1	6.6	4.94	67.1
1558	DP 1845B3XF	4.1	0.85	1.27	84.4	4.2	32.5	7.3	76.5	7.5	5.2	69.0
1559	DP 1820B3XF	4.6	0.88	1.25	83.6	5.2	32.5	5.6	74.9	6.8	5.83	75.8
1587	NM 18B1593	4.5	0.87	1.23	82.8	5.8	32.7	6.2	74.2	6.6	6.02	80.9
1588	TAM 14H-29	4.1	0.86	1.4	85.1	2.6	36.5	6.3	74.8	7.5	6.76	67.9
1599	PHY 400W3FE*	4.3	0.87	1.23	83.4	5.9	33.3	6.3	78.3	7.2	4.68	72.7
1600	PHY 500W3FE	4.1	0.87	1.12	80.7	9.2	31.7	6	75.8	7.9	18.34	81.9
1601	ST 4990B3XF	4.4	0.87	1.17	83.2	7.2	30.4	6.6	77.8	6.9	6.28	77.6
1602	NM 18B1613	4.5	0.87	1.22	84.8	5.4	33.5	6.1	74.6	6.8	4.91	72.5
1603	TAM 14H-11	3.8	0.85	1.32	84.4	2.7	34.9	6.4	76.5	8	6.71	72.5
1604	ARK 1202-34	4.4	0.87	1.23	84.5	5.6	30.8	5.9	74.7	6.7	5.88	74.2
1605	ARK 1211-58	4.5	0.87	1.23	85	4.8	33.8	6.2	77.8	6.7	5.05	67.6
1606	ARK 1206-25	4.6	0.88	1.26	84.2	5	32.2	5.7	76.5	6.7	6.03	69.0
1607	ARK 1214-52	4.5	0.87	1.27	85.3	3.9	30.7	6.4	75.6	7.4	4.72	68.5
1608	MD 16-58-27	4.8	0.88	1.17	84.3	5.3	38.1	6.2	73.2	7.9	6.67	81.0
1609	MD 16-58-42	4.8	0.89	1.2	82.1	5.8	39.7	5.6	73	8	6.35	78.3
1610	MD 16-58-141	4.6	0.88	1.19	83.8	5.1	40.1	5.7	73.7	7.1	7.54	80.1
	LSD	0.296	0.009	0.057	2.82	2.48	2.1	0.38	2.43	0.79	2.89	12.9

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.89	1.09	1.31	20.6	5.95	161	5.29	0.94	668	5
1516	DP 1646B2XF*	0.86	1.07	1.31	22.7	6.95	164	6.3	0.89	643	5
1558	DP 1845B3XF	0.85	1.08	1.33	25.8	7.84	154	6.42	0.88	653	6
1559	DP 1820B3XF	0.87	1.07	1.32	22.4	6.88	167	4.92	0.94	653	7
1587	NM 18B1593	0.86	1.05	1.26	20.4	6.19	162	5.54	0.92	652	5.5
1588	TAM 14H-29	0.97	1.19	1.44	18.9	5.08	155	5.98	0.91	667	8.5
1599	PHY 400W3FE*	0.87	1.06	1.29	22.1	6.74	161	5.84	0.9	651	6
1600	PHY 500W3FE	0.81	0.99	1.19	23.6	7.74	155	5.82	0.92	647	7.5
1601	ST 4990B3XF	0.86	1.05	1.27	22.1	6.73	163	5.89	0.9	679	6.5
1602	NM 18B1613	0.9	1.08	1.29	18.3	5.38	159	5.85	0.93	643	5
1603	TAM 14H-11	0.89	1.12	1.37	23.2	6.82	151	6.95	0.88	683	9.5
1604	ARK 1202-34	0.87	1.08	1.32	23.1	6.95	168	5.59	0.92	654	7.5
1605	ARK 1211-58	0.9	1.09	1.3	19.6	5.72	166	5.29	0.93	657	4
1606	ARK 1206-25	0.9	1.11	1.34	20.3	5.79	167	5.55	0.93	656	8
1607	ARK 1214-52	0.91	1.1	1.32	19.9	5.79	164	6.07	0.91	638	3
1608	MD 16-58-27	0.89	1.03	1.21	16.3	4.87	175	5.25	0.94	626	2
1609	MD 16-58-42	0.92	1.08	1.27	16.1	4.47	174	5.04	0.96	663	8
1610	MD 16-58-141	0.9	1.05	1.23	15.5	4.5	172	4.92	0.96	648	5.5
	LSD	0.07	0.053	0.056	4.33	1.67	7	0.88	0.021	38	5.88

Location: Jackson, TN

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,542	1765	45.1	10.5	4.8	3.65	17.7	0.660	0.505	1.17
1516	DP 1646B2XF	1,990	2248	46.9	9	4.6	3.52	19.0	0.725	0.66	1.39
1558	DP 1845B3XF	1,547	1590	45.7	9.2	4.8	3.5	18.7	0.680	0.515	1.20
1559	DP 1820B3XF	1,765	1889	47	9.5	4.6	3.73	18.0	0.655	0.48	1.14
1587	NM 18B1593	1,188	1448	43.6	10.9	4.1	3.73	18.2	0.780	0.52	1.30
1588	TAM 14H29	854	1288	36.9	13	4.4	3.48	20.3	0.820	0.57	1.39
1599	PHY 400W3FE	1,631	1721	47	10.3	5.1	3.71	22.1	0.845	0.5	1.35
1600	PHY 500W3FE	1,487	1719	45.3	9.9	4.5	3.43	21.4	0.860	0.66	1.52
1601	ST 4990B3XF	1,827	2133	43.8	10.1	4.7	3.34	16.3	1.045	0.545	1.59
1602	NM 18B1613	1,207	1618	43.2	10.7	4.6	3.93	18.2	0.755	0.515	1.27
1603	TAM 14H-11	817	1129	37.2	13.2	4.6	3.35	22.4	0.740	0.56	1.30
1604	ARK 1202-34	1,557	1769	43.5	12.2	4.9	4.03	20.0	0.880	0.63	1.51
1605	ARK 1211-58	1,375	1477	43.3	11	4.3	3.97	17.7	0.720	0.465	1.19
1606	ARK 1206-25	1,591	2052	42.2	13	5.1	3.58	19.1	0.810	0.53	1.34
1607	ARK 1214-52	1,682	1923	46	10.6	5.3	3.84	19.1	0.790	0.52	1.31
1608	MD 16-58-27	895	1349	39.9	11.8	4.5	3.81	22.0	1.045	0.73	1.78
1609	MD 16-58-42	712	1091	37.3	12.2	3.9	3.91	24.0	1.245	0.725	1.97
1610	MD 16-58-141	1,186	1869	38	12	4.1	3.69	22.4	0.940	0.725	1.67
	LSD	262	450	1.61	1.03	0.864	0.38	2.5	0.075	0.06	0.12

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.6	0.87	1.28	85.7	3	33.4	6.7	80.3	7	4.5	73.9
1516	DP 1646B2XF*	4.6	0.86	1.25	85.4	3.9	31.2	7.8	78.1	7.4	4.79	71.2
1558	DP 1845B3XF	4.3	0.86	1.29	86.2	3	34.4	8.4	78.6	7.6	5.58	70.1
1559	DP 1820B3XF	4.9	0.88	1.21	85.4	5.7	34.8	5.9	78.3	7.4	5.58	76.6
1587	NM 18B1593	4.9	0.88	1.24	85.8	3.5	35.8	7.1	78.3	7.6	5.35	68.1
1588	TAM 14H-29	4.3	0.86	1.39	86.9	2.6	35.7	6.9	77	8.2	6.28	77.8
1599	PHY 400W3FE*	4.8	0.88	1.19	85.2	5	33.5	6.3	79.1	8.3	4.14	73.9
1600	PHY 500W3FE	4.4	0.87	1.21	86	3.9	35.2	6.3	76.9	8.1	4.38	75.6
1601	ST 4990B3XF	4.9	0.87	1.21	86.3	4.2	31.5	8	77.1	6.9	3.73	67.9
1602	NM 18B1613	4.8	0.88	1.24	85.1	3.9	34.4	7.2	76.9	7.4	4.25	80.8
1603	TAM 14H-11	4	0.85	1.35	87.4	2.6	35.6	7.4	76	8.3	6.61	80.0
1604	ARK 1202-34	4.9	0.88	1.25	86.6	3.8	32.4	6.4	77.6	7.6	4.39	66.4
1605	ARK 1211-58	4.8	0.87	1.25	85.5	3.3	33.6	6.8	78.6	6.2	4.89	69.8
1606	ARK 1206-25	4.6	0.88	1.29	86.6	2.8	34.2	6.1	80.7	7.4	5.01	67.8
1607	ARK 1214-52	4.7	0.87	1.24	85.1	4.4	32.8	6.9	76.7	7.4	5.52	71.8
1608	MD 16-58-27	5.1	0.88	1.15	84.1	4.7	37.8	7.7	74.7	8.4	6.11	65.0
1609	MD 16-58-42	5.1	0.9	1.21	85.9	3.7	44	6.2	75.5	8.7	4.62	76.9
1610	MD 16-58-141	5.1	0.89	1.21	85.9	3.9	40.7	6.7	75.9	7.7	3	86.8
	LSD	0.411	0.012	0.067	2.13	1.71	3.01	0.71	2.29	0.834	2.62	10.8

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.99	1.14	1.33	13.4	3.55	173	5.25	0.94	650	7
1516	DP 1646B2XF*	0.95	1.1	1.27	13.9	3.92	166	5.27	0.94	671	6
1558	DP 1845B3XF	0.97	1.12	1.3	14.3	4.02	178	5.67	0.92	660	9.5
1559	DP 1820B3XF	0.88	1.08	1.3	20.8	6.57	171	5.6	0.92	684	20
1587	NM 18B1593	1.1	1.29	1.51	12.6	2.93	162	6.1	0.92	696	9
1588	TAM 14H-29	0.96	1.14	1.35	17.3	4.73	174	5.54	0.92	672	9
1599	PHY 400W3FE*	0.95	1.13	1.35	17.3	4.97	172	4.88	0.95	635	4.5
1600	PHY 500W3FE	0.97	1.17	1.4	17.5	4.7	162	6.62	0.88	657	8
1601	ST 4990B3XF	0.97	1.11	1.29	12.9	3.52	174	5.32	0.94	668	13
1602	NM 18B1613	1.02	1.21	1.46	16.4	4.38	157	7.34	0.87	670	9.5
1603	TAM 14H-11	1	1.15	1.35	13.7	3.65	171	5.6	0.92	664	11
1604	ARK 1202-34	1.01	1.19	1.41	14.9	3.93	175	5.29	0.93	627	2
1605	ARK 1211-58	0.93	1.11	1.33	18.6	5.3	170	5.68	0.92	645	5
1606	ARK 1206-25	0.99	1.1	1.25	9.2	2.52	185	5.02	0.95	713	11.5
1607	ARK 1214-52	1.04	1.14	1.3	7.75	1.97	187	4.22	0.98	676	4.5
1608	MD 16-58-27	1	1.12	1.27	8.89	2.34	182	4.67	0.97	686	7
	LSD	0.034	0.035	0.043	1.74	0.6	9	0.86	0.03	50	5.91

Location: Portageville, MO

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	794	1172	40.4	12	5.6	.	.	.	.	.
1516	DP 1646B2XF	1,547	2070	42.7	11	5.5	.	.	.	.	.
1558	DP 1845B3XF	971	1339	41.9	10	5.3	.	.	.	.	.
1559	DP 1820B3XF	1,052	1367	43.5	10	5	.	.	.	.	.
1587	NM 18B1593	843	1347	38.5	12	5.5	.	.	.	.	.
1588	TAM 14H29	565	1035	35.3	14	6.3	.	.	.	.	.
1599	PHY 400W3FE	1,219	1532	44.2	9	5.5	.	.	.	.	.
1600	PHY 500W3FE	837	1043	44.4	10	4.9	.	.	.	.	.
1601	ST 4990B3XF	936	1494	38.8	12	5.7	.	.	.	.	.
1602	NM 18B1613	1,012	1476	40.7	11	5.6	.	.	.	.	.
1603	TAM 14H-11	751	1341	35.9	14	6.5	.	.	.	.	.
1604	ARK 1202-34	1,303	1879	41	14	6.2	.	.	.	.	.
1605	ARK 1211-58	1,053	1515	41.1	12	5.5	.	.	.	.	.
1606	ARK 1206-25	1,321	2010	39.6	12	6.1	.	.	.	.	.
1607	ARK 1214-52	866	1278	40.5	12	6	.	.	.	.	.
1608	MD 16-58-27	627	1149	35.3	12	5.6	.	.	.	.	.
1609	MD 16-58-42	265	521	33.8	13	6	.	.	.	.	.
1610	MD 16-58-141	654	1140	36.6	13	5.9	.	.	.	.	.
	LSD	391	522	2.22	1.56	0.464					

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	5	0.89	1.27	85.8	3.6	36.1	5.6	78.9	6.5	5.55	78.5
1516	DP 1646B2XF*	5.3	0.89	1.25	85.2	4.3	36	6.6	74.1	6	5.28	70.9
1558	DP 1845B3XF	4.9	0.87	1.27	85.1	4.4	34.4	7.8	76.4	6.3	7.52	70.3
1559	DP 1820B3XF	5.3	0.89	1.27	86.9	3.5	35.3	5.7	77.5	6.6	4.3	76.7
1587	NM 18B1593	5.1	0.89	1.33	85.8	2.8	35.9	6.4	75.7	7	5.81	79.2
1588	TAM 14H-29	4.8	0.88	1.38	85.8	2.6	39.3	6.4	75.7	6.9	8.41	65.2
1599	PHY 400W3FE*	5.3	0.89	1.22	85.9	4.3	33.7	7.1	76.6	6.7	4.88	69.6
1600	PHY 500W3FE	5.1	0.89	1.17	84.7	4.4	40	5.8	77.3	7.8	7.61	74.5
1601	ST 4990B3XF	5.1	0.88	1.26	86.4	3.6	33.4	7.1	79.5	6.5	5.79	77.3
1602	NM 18B1613	5.4	0.89	1.19	84.3	5.5	35.8	6.2	76.9	7.9	6.8	84.3
1603	TAM 14H-11	4.6	0.87	1.36	86.5	2.6	36.4	6.6	76.4	7.1	7.56	72.5
1604	ARK 1202-34	5.4	0.9	1.26	87.1	3.6	34.3	5.9	75.9	6.8	5.91	71.4
1605	ARK 1211-58	5.5	0.89	1.27	86.5	3.3	34.7	6.5	77.5	5.7	5.57	72.4
1606	ARK 1206-25	5.2	0.89	1.29	86.4	3.3	33.7	6.3	78.9	7	6.72	76.1
1607	ARK 1214-52	5.4	0.89	1.28	85.5	3.4	34.3	6.4	77.1	6.9	7.06	76.7
1608	MD 16-58-27	5.6	0.9	1.2	85.8	4	42.1	6.2	73	7.4	5.54	81.0
1609	MD 16-58-42	5.3	0.9	1.29	86	3.2	40.7	5.9	75.2	8.2	6.91	86.4
1610	MD 16-58-141	5.5	0.9	1.23	86	4.3	39.8	5.9	75.4	7.5	4.71	83.6
	LSD	0.24	0.01	0.07	2.29	1.74	4.02	0.9	3.24	1.25	1.82	12.6

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	1.03	1.19	1.4	14.6	3.6	179	4.69	0.98	609	3.5
1516	DP 1646B2XF*	0.95	1.09	1.25	13	3.6	178	4.29	0.98	622	3
1558	DP 1845B3XF	1	1.15	1.34	13.0	3.59	186	4.78	0.95	671	5
1559	DP 1820B3XF	1.02	1.16	1.34	12.4	3.2	181	4.42	0.98	638	3
1587	NM 18B1593	1.07	1.28	1.52	16.1	3.84	172	5.42	0.95	644	3
1588	TAM 14H-29	0.96	1.13	1.36	17.5	4.72	192	4.19	0.98	656	7
1599	PHY 400W3FE*	0.97	1.14	1.35	15.9	4.4	186	3.94	0.99	628	1
1600	PHY 500W3FE	0.97	1.15	1.35	16.1	4.39	172	6.02	0.91	645	3.5
1601	ST 4990B3XF	0.93	1.09	1.27	16.1	4.45	183	4.45	0.96	681	6
1602	NM 18B1613	1.03	1.22	1.46	16.4	4.23	174	5.62	0.93	662	9
1603	TAM 14H-11	1.01	1.17	1.35	14.6	3.59	192	4.09	0.97	649	5
1604	ARK 1202-34	1.01	1.19	1.39	15.9	3.93	184	4.84	0.96	653	3.5
1605	ARK 1211-58	0.97	1.15	1.38	18.1	4.94	185	4.78	0.95	656	5.5
1606	ARK 1206-25	0.98	1.11	1.29	12.8	3.42	197	4.1	0.99	679	7
1607	ARK 1214-52	1.04	1.18	1.36	11.9	2.84	189	4.25	0.99	665	9.5
1608	MD 16-58-27	1.02	1.14	1.3	10.3	2.6	191	3.94	1	685	8
	LSD	0.08	0.064	0.064	3.94	1.37	7	0.63	0.021	60	6.59

Location: Las Cruces, NM

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	720	984	42.2	.	5.1	3.36	18.5	0.705	0.475	1.18
1516	DP 1646B2XF	853	1104	43.5	.	4.6	3.01	18.1	0.770	0.61	1.38
1558	DP 1845B3XF	382	555	40.8	.	4.6	3.16	18.1	0.705	0.475	1.18
1559	DP 1820B3XF	761	954	44.4	.	4.7	2.82	16.0	0.615	0.4	1.02
1587	NM 18B1593	1,006	1372	42.5	.	4.7	3.25	18.4	0.760	0.485	1.25
1588	TAM 14H29	642	1148	35.7	.	5.8	3.32	22.2	0.670	0.495	1.17
1599	PHY 400W3FE	819	1067	43.3	.	4.8	3.37	22.5	0.795	0.48	1.28
1600	PHY 500W3FE	658	861	43.7	.	4.8	3.51	18.4	0.740	0.5	1.24
1601	ST 4990B3XF	645	1127	36.3	.	5.2	3.25	15.9	0.945	0.47	1.42
1602	NM 18B1613	1,077	1479	42.2	.	4.5	3.42	18.2	0.800	0.5	1.30
1603	TAM 14H-11	810	1440	36.3	.	5.4	3.42	21.5	0.710	0.525	1.24
1604	ARK 1202-34	971	1120	46.6	.	5.1	3.28	22.0	0.730	0.54	1.27
1605	ARK 1211-58	693	1019	40.5	.	4.7	3.45	17.3	0.695	0.455	1.15
1606	ARK 1206-25	1,062	1450	42.4	.	5.4	3.43	19.9	0.810	0.545	1.36
1607	ARK 1214-52	603	764	43.9	.	5	3.69	18.2	0.740	0.495	1.24
1608	MD 16-58-27	709	1307	35.8	.	5	3.49	23.2	0.840	0.57	1.41
1609	MD 16-58-42	418	707	37.3	.	4.4	3.2	21.8	0.905	0.625	1.53
1610	MD 16-58-141	897	1423	38.7	.	5.1	3.22	22.2	0.870	0.605	1.48
	LSD	286	448	3.47		0.477	0.475	1.6	0.126	0.047	0.14

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	3.7	0.86	1.25	83.2	4.7	29.3	5.6	81.7	9.3	5.95	65.6
1516	DP 1646B2XF*	3.6	0.85	1.23	84	4.7	29.8	6.7	80.1	9.9	7.28	63.9
1558	DP 1845B3XF	3.4	0.84	1.25	83.9	4.3	33.7	6.4	79.4	9.9	6.56	69.2
1559	DP 1820B3XF	4.2	0.87	1.17	84.7	6.3	31.8	5.5	79.4	9.4	6.95	74.7
1587	NM 18B1593	3.9	0.86	1.21	83.1	6.1	32.1	6.2	79.6	9.9	8.74	77.4
1588	TAM 14H-29	3.7	0.86	1.34	84.4	2.6	34.9	6	78.2	10.5	10.93	71.8
1599	PHY 400W3FE*	3.8	0.86	1.18	84.3	6.3	32.3	6	80	9.6	6.7	71.7
1600	PHY 500W3FE	3.4	0.85	1.15	82.8	7.4	29.1	5.6	80.1	10.7	16.34	67.3
1601	ST 4990B3XF	3.7	0.85	1.21	84	5.5	30.3	6.5	82	10.6	3.9	68.7
1602	NM 18B1613	3.8	0.85	1.19	84.9	5.1	31.1	6.1	79.7	10	6.99	69.2
1603	TAM 14H-11	3.6	0.85	1.3	83.2	3.2	33.8	6	78.6	10.3	8.9	79.6
1604	ARK 1202-34	4.3	0.87	1.21	83	6	30.2	5.7	77.6	9.7	6.75	66.7
1605	ARK 1211-58	4	0.86	1.21	85.2	5.1	30.4	6	80.6	10.2	8.05	64.8
1606	ARK 1206-25	4	0.86	1.19	83.8	7.1	30	5.7	80.5	10.2	5.22	76.2
1607	ARK 1214-52	4.1	0.86	1.2	84.6	5.9	29.2	6.3	80.4	10.5	8	61.6
1608	MD 16-58-27	4.7	0.88	1.19	84.1	4.7	39.5	6	74.7	10.1	6.48	74.7
1609	MD 16-58-42	4.5	0.88	1.19	84.5	4.7	39.7	5.6	77.8	10.4	10.35	77.2
1610	MD 16-58-141	4.3	0.87	1.17	84.6	5.3	36	5.9	78.2	10.3	7.62	79.7
	LSD	0.425	0.012	0.045	1.42	1.98	3.07	0.475	2.78	1.01	6.73	11.5

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.86	1.04	1.27	21.7	7.19	162	6.59	0.87	661	8
1516	DP 1646B2XF*	0.89	1.08	1.3	20.2	6.34	165	5.85	0.91	641	6.5
1558	DP 1845B3XF	0.89	1.1	1.34	21.2	6.44	153	6.15	0.9	664	7.5
1559	DP 1820B3XF	0.79	1.03	1.29	29.0	9.84	151	7.23	0.86	674	7
1587	NM 18B1593	0.86	1.03	1.23	20.5	6.7	156	6.07	0.9	661	9.5
1588	TAM 14H-29	0.94	1.15	1.41	19.9	5.87	153	6.94	0.88	680	10.5
1599	PHY 400W3FE*	0.84	1.01	1.21	20.4	6.8	151	6.28	0.89	665	7
1600	PHY 500W3FE	0.89	1.06	1.29	19.5	6.22	169	5.1	0.94	684	12.5
1601	ST 4990B3XF	0.86	1.05	1.27	21.7	6.9	159	5.62	0.91	654	10.5
1602	NM 18B1613	0.97	1.18	1.44	18.6	5.35	155	6.33	0.9	688	9
1603	TAM 14H-11	0.85	1.05	1.28	22.4	7.12	171	5.92	0.92	649	7.5
1604	ARK 1202-34	0.93	1.12	1.34	18.4	5.4	164	6.44	0.9	641	6
1605	ARK 1211-58	0.84	1.05	1.3	24.5	8.08	171	6.27	0.91	659	10
1606	ARK 1206-25	0.9	1.08	1.3	19.0	5.95	165	6.13	0.89	637	6.5
1607	ARK 1214-52	0.93	1.06	1.23	13.8	4.15	178	5.25	0.94	675	13
1608	MD 16-58-27	0.95	1.09	1.27	13.2	3.77	176	5.02	0.94	657	7.5
1609	MD 16-58-42	0.94	1.07	1.25	12.7	3.82	175	5.24	0.93	647	6.5
	LSD	0.058	0.056	0.056	2.83	1.32	10	0.79	0.029	42	8.94

Location: Keiser, AR

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Nitrogen	Oil	Plus Gossypol	Minus Gossypol	Free Gossypol
1503	FM 1830GLT	1,091	1386	43.2	9.4	4	3.95	12.0	0.535	0.41	0.95
1516	DP 1646B2XF	1,424	1717	45.7	8.1	4.1	3.46	15.0	0.625	0.605	1.23
1558	DP 1845B3XF	1,178	1481	43.6	8.8	3	3.5	16.3	0.615	0.48	1.10
1559	DP 1820B3XF	1,149	1423	44.1	9	4.2	3.53	13.8	0.535	0.385	0.92
1587	NM 18B1593	1,303	1707	42.9	8.8	3.9	3.74	15.6	0.700	0.485	1.19
1588	TAM 14H29	948	1368	37.2	11.3	4.6	3.45	18.8	0.730	0.565	1.30
1599	PHY 400W3FE	1,257	1532	44.4	8.7	4.1	3.95	19.8	0.800	0.5	1.30
1600	PHY 500W3FE	1,212	1402	45.8	8.7	3.9	3.56	17.5	0.785	0.625	1.41
1601	ST 4990B3XF	1,217	1682	42.6	8.9	4.3	3.65	12.8	0.865	0.455	1.32
1602	NM 18B1613	1,187	1481	43	9	3.7	4.11	14.9	0.680	0.47	1.15
1603	TAM 14H-11	935	1741	35.6	11.1	4.6	3.51	19.2	0.675	0.555	1.23
1604	ARK 1202-34	1,264	1931	40.3	10.9	4.5	3.78	19.9	0.790	0.615	1.41
1605	ARK 1211-58	1,271	1715	41.8	9.1	4.6	3.95	16.4	0.620	0.455	1.08
1606	ARK 1206-25	1,289	1922	40.9	10.9	5	3.85	16.5	0.690	0.475	1.17
1607	ARK 1214-52	1,364	1568	45.6	9.5	4.5	4.06	14.8	0.620	0.45	1.07
1608	MD 16-58-27	875	1599	35.9	10.6	2.6	3.9	20.5	0.905	0.63	1.54
1609	MD 16-58-42	629	1096	34	10.7	3.5	4.13	21.9	1.040	0.605	1.65
1610	MD 16-58-141	875	1700	35.8	11	4.2	3.76	20.6	0.785	0.69	1.48
	LSD	139	312	2.69	1.62	0.759	0.863	3.5	0.131	0.141	0.27

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.1	0.87	1.33	86.4	2.5	36.6	5.6	82.1	7.9	6.65	73.6
1516	DP 1646B2XF*	4.4	0.86	1.26	85.4	3.5	31.7	7	82.2	8.5	6.08	70.9
1558	DP 1845B3XF	4	0.85	1.3	85.4	3.3	33.6	7.3	82	8.4	6.59	69.4
1559	DP 1820B3XF	4.2	0.87	1.28	85.7	3.1	33.6	5.6	80.2	8.4	5.63	72.0
1587	NM 18B1593	4.5	0.87	1.23	84.7	4.1	35	6.4	78.8	7.9	6.36	77.7
1588	TAM 14H-29	3.5	0.85	1.38	87.5	2.6	38.2	6.3	80.4	8.7	8.97	79.5
1599	PHY 400W3FE*	4.1	0.86	1.21	85.3	4.4	33.5	6.2	80.2	8	5.97	87.9
1600	PHY 500W3FE	4	0.86	1.17	84.6	5.5	33.6	6.2	79.3	8.3	8.2	81.1
1601	ST 4990B3XF	4.3	0.86	1.24	85.9	4	31.8	6.5	81.2	7.7	6.29	72.0
1602	NM 18B1613	4.5	0.87	1.21	85.8	5	34.8	6.1	78.9	7.8	7.94	78.8
1603	TAM 14H-11	3.5	0.85	1.36	85.6	2.6	36.1	6.6	79.3	8.5	10.98	66.1
1604	ARK 1202-34	3.8	0.86	1.29	86.3	2.8	32.6	6.1	80.3	7.6	5.96	72.5
1605	ARK 1211-58	4.5	0.87	1.29	86.9	2.8	33.9	6.5	81.7	7.2	5.99	66.2
1606	ARK 1206-25	4.4	0.87	1.31	85.7	2.7	33.7	5.7	81.9	7.8	9.54	70.9
1607	ARK 1214-52	4.5	0.87	1.25	86.1	3.5	31.8	6.7	78.5	8.1	7.24	74.2
1608	MD 16-58-27	4.8	0.88	1.19	84.3	4.9	39.4	6.2	75.7	7.9	9.53	81.7
1609	MD 16-58-42	4.5	0.88	1.21	83.9	4.3	43.5	5.6	74.8	8.1	8.34	92.4
1610	MD 16-58-141	4.4	0.87	1.21	85.2	4.2	38.3	6	77.9	7.6	6.16	79.0
	LSD	0.38	0.009	0.047	1.83	1.2	3.1	0.5	2.27	0.96	4.55	19.0

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.99	1.17	1.4	15.6	4.27	151	6.34	0.91	692	10
1516	DP 1646B2XF*	0.96	1.14	1.37	16.2	4.57	161	6.9	0.89	668	8.5
1558	DP 1845B3XF	0.95	1.15	1.38	18.6	5.22	159	6.2	0.9	640	7
1559	DP 1820B3XF	0.98	1.16	1.39	15.5	4.28	159	5.85	0.93	657	7.5
1587	NM 18B1593	0.93	1.1	1.31	16.3	4.6	161	5.52	0.93	695	16.5
1588	TAM 14H-29	0.99	1.2	1.46	17.9	4.84	147	6.8	0.9	652	8
1599	PHY 400W3FE*	0.87	1.06	1.29	21.1	6.47	153	6.95	0.89	644	7.5
1600	PHY 500W3FE	0.88	1.05	1.23	19.5	5.94	146	6.63	0.9	683	10.5
1601	ST 4990B3XF	0.96	1.13	1.33	15.5	4.38	162	6.09	0.9	672	11.5
1602	NM 18B1613	0.93	1.09	1.29	16.1	4.84	160	5.7	0.93	717	27
1603	TAM 14H-11	0.97	1.2	1.47	20.9	5.65	146	7.55	0.87	711	21.5
1604	ARK 1202-34	0.92	1.13	1.38	20.3	5.85	155	6.97	0.89	694	11.5
1605	ARK 1211-58	0.99	1.16	1.36	14.4	3.97	166	5.75	0.94	659	6
1606	ARK 1206-25	1.04	1.2	1.42	13.5	3.55	169	5.52	0.94	631	4
1607	ARK 1214-52	0.89	1.09	1.31	21.0	6.29	163	6.29	0.91	663	10.5
1608	MD 16-58-27	0.97	1.1	1.27	10.7	2.97	177	5.14	0.97	693	13
1609	MD 16-58-42	1.01	1.14	1.31	10.5	2.77	165	5.77	0.95	702	18
1610	MD 16-58-141	0.97	1.11	1.28	11.6	3.14	165	5.45	0.94	725	13.5
	LSD	0.091	0.08	0.08	4.36	1.8	10	0.95	0.026	64	11

2020 National Cotton Variety Test

Crop Genetics Research Unit
P O Box 345
Stoneville, MS 38776

(662) 686-3626
(662) 686-3079 (Fax)

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

BLACKLANDS REGION

*******Beginning with 2015, Eurofins' readings are reported as Dry Matter Basis.*******

2020 NATIONAL COTTON VARIETY TEST*
REGIONAL SUMMARIES FOR BLACKLANDS BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol

*Data are missing due to the laboratory closure during the COVID pandemic periods.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count

*Data are missing due to the laboratory closure during the COVID pandemic periods.

BLACKLANDS REGION SUMMARY BY LOCATION SITES*

LOCATION	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count

*Data are missing due to the laboratory closure during the COVID pandemic periods.

BLACKLANDS REGION – INDIVIDUAL LOCATION SUMMARIES*

Location: Commerce, TX

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count

*Data are missing due to the laboratory closure during the COVID pandemic periods.

United States Department of Agriculture

Agricultural Research Service
Southeast Area
Crop Genetics Research Unit
National Cotton Variety Test Program
P O Box 345
Stoneville, MS 38776
(662) 686-3626
Fax (662) 686-3079

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