



2017 National Cotton Variety Test

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

**National Cotton Variety Tests, 2017
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, 2017.

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

Issued February, 2019.

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**United States Department of Agriculture
Agricultural Research Service
Crop Genetics Research Unit
P.O. Box 345
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TEST LOCATIONS

ALTUS, OK (IRR)
CHILLICOTHE, TX (IRR)
COLLEGE STATION, TX
CORPUS CHRISTI, TX (DRY)
FIVE POINTS, CA
FLORENCE, SC
GRIFFIN, GA
JACKSON, TN
KEISER, AR
LAMESA, TX (DRY)
LAS CRUCES, NM
LUBBOCK, TX (IRR)
PORTAGEVILLE, MO
ROCKY MOUNT, NC
SAINT JOSEPH, LA
STARKVILLE, MS
STONEVILLE, MS
SUFFOLK, VA
WESLACO, TX



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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
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Missouri - C. Meeks
New Mexico -- J. Zhang
North Carolina - K. Edmisten
Oklahoma -- R. Boman
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. For the most part, seeds of the regional varieties were contributed by commercial firms. Seeds of varieties used as national standards were supplied by the following organizations:

DP 1646B2XF -- DELTA AND PINE LAND COMPANY;

NG 4545B2XF -- AMERICOT, INC; AND

PHY 499WRF AND PHYTOGEN 764WRF -- PHYTOGEN SEED COMPANY



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(As of February 2019)

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National Cotton Variety Test Archive File

The National Cotton Variety Test, from its inception in 1960 to the current year, is maintained in an archive file at the NCVT Program headquarters, Stoneville, MS. These files are available from the ARS Coordinator for the NCVT Program. The following files are available:

Cottonseed Quality Archive File	1977 - 2016
Yield Archive File	1960 - 2016
Fiber Quality Archive File	1960 - 2016
Pima Combed Yarn Archive File	1962 - 2016

Code Files:

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

Excel Files:

- Yield Data File 1960-2016
- Fiber Quality Data File 1967-2016
- Cottonseed Quality Data File 1998-2016

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

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INTRODUCTION

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

National standard varieties are chosen for a 3-year testing cycle. For the nineteenth 3-year testing cycle, beginning in 2017, the national standards were PHY 499WRF, PHY 764WRF, DP 1646B2XF, and NG 4545B2XF. Within each region, cooperators annually select a group of regional standard varieties that are common to all tests within the region for the particular year. In 1984, the cooperators for the Eastern, Central, and Delta regions elected to include interregional standards. Data on the national, regional, and interregional standards were included in this report. All varieties were grown to obtain experimental data, and the designation of national, regional, and interregional standards is not an endorsement of these varieties by the U. S. Department of Agriculture or the cooperating State Agricultural Experiment Stations.

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

Georgia Agricultural Experiment Station	
Georgia Coastal Experiment Station	Tifton, GA
Clemson University	
Pee Dee Experiment Station	Florence, SC

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station	
Northeast Research & Extension Center	Keiser, AR
Mississippi Agricultural and Forestry Experiment Station	
Delta Branch	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)

Louisiana Agricultural Experiment Station	
Red River Valley Experiment Station	Bossier City, LA
Texas A&M University	
Extension Center	Weslaco, TX

Main Station
Off-Station Test

College Station, TX
Neuces County, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University

Agricultural Research and Extension
Stiles Farm Foundation

Dallas, TX
Thrall, TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station

Cotton Research Station

Irrigated Test

Dryland Test

Irrigation Experiment Station

Southwest Agronomy Research Station

Dryland Test

Texas A&M University

Agricultural Research and Extension Center (Lubbock)

Irrigated Test

Off-Station (Dryland Test)

Chickasha, OK

Chickasha, OK

Altus, OK

Tipton, OK

Lubbock, TX

Lamesa, TX

Western Regional Cotton Variety Test (Upland Varieties)

New Mexico Agricultural Experiment Station

Main Station

Southeastern Branch Station

Texas A&M University

Agricultural Research Center

Las Cruces, NM

Artesia, NM

Pecos, TX

High Quality Regional Cotton Variety Test

Arkansas Agricultural Experiment Station

Northeast Research & Extension Center

University of Missouri

Delta Research Center

Clemson University

Keiser, AR

Portageville, MO

Pee Dee Experiment Station	Florence, SC
Louisiana Agricultural Experiment Station	
Red River Valley Experiment Station	St. Joseph, LA
Mississippi Agricultural & Forestry Experiment Station	
Delta Branch	Stoneville, MS
Texas A&M University	
Texas Agricultural Experiment Station	College Station, TX
Agricultural Research and Extension Center	Lubbock, TX

[Pima](#) Regional Cotton Variety Test

Arizona Agricultural Experiment Station	
Safford Research Center	Maricopa, AZ
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:

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

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 180°F for 4 hours. At the end of 4 hours drying, the kernels were immediately placed in moisture-proof containers and cooled. In proceeding with the HPLC Method every effort was made to prevent the kernels from regaining moisture. 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.

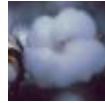
Nep Cnt/g (Nep Count per Gram): The total nep count normalized per gram. This includes both fiber and seed coat neps.

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 2017

Variety Code	Variety Name	Tested in
1553	Acala Daytona RF	Western
1546	ARK 0908-52	RHQ
1545	ARK 0912-41	RHQ
1544	ARK 0921-58ne	RHQ
1479	DG 2355B2RF	Western
1551	DG 3385B2XF	Blacklands, Central
1529	DP 1518B2XF	Delta
1537	DP 1522B2XF	Blacklands, Central, Delta,
1554	DP 1549B2XF	Western
1501	DP 1555B2RF	Delta
1533	DP 1612B2XF	Eastern, Plains
1516	DP 1646B2XF	Blacklands, Central,Delta, Eastern, Plains, RHQ, Western
1513	DP 348RF	Pima
1471	DP 358RF	Pima
1503	FM 1830GLT	Blacklands, Central, RHQ
1519	FM 1911GLT	Estern, Plains
1474	FM 2322GL	RHQ
1483	FM 2334GLT	RHQ
1547	LA 11307012	RHQ
1548	LA 11307105	RHQ
1538	MON 16R341B3XF	RHQ
1539	MON 16R346B3XF	RHQ
1530	NG 3406B2XF	Delta
1535	NG 4545B2XF	Blacklands, Cental, Delta, Eastern, RHQ, Western
1552	NG 4601B2XF	Blacklands, Central
1540	NM 13G1029	RHQ
1541	NM 13G2019	RHQ
1534	PHY 300W3FE	Eastern, Plains
1497	PHY 312WRF	Blacklands, Central
1542	PHY 330W3FE	RHQ
1459	PHY 444WRF	Delta, RHQ
1543	PHY 450W3FE	RHQ
1404	PHY 499WRF	Blacklands, Central, Delta, Eastern, Plains, Western
1536	PHY 764WRF	Blacklands, Central, Delta, Eastern, Plains, RHQ, Western
1433	PHY 802	Pima
1432	PHY 805	Pima
1531	PHY 841RF	Pima

1532	PHY 881RF	Pima
1555	PHY 888RF	Pima
1528	ST 4949GLT	Delta
1549	TAM 12I-72	RHQ
1550	TAM 12J-39	RHQ
1521	TAM BB-2139	RHQ



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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**



2017 National Cotton Variety Test

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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	Seed			Boll			Plus	Minus	Free
		Yield (lb/a)	Yield (lb/a)	Lint Percent	Seed Index	Size (g/boll)	Oil	Nitr ogen	Gossypol	Gossypol	Gossypol
1404	PHY 499WRF	1046	1533	40.1	9.4	5.09	20.71	3.63	0.67	0.48	1.14
1516	DP 1646B2XF	1262	1721	42.0	8.5	4.94	17.11	3.73	0.58	0.52	1.10
1519	FM 1911GLT	1000	1659	39.1	11.4	6.42					
1533	DP 1612B2XF	1099	1823	37.7	9.7	5.25					
1534	PHY 300W3FE	1182	1703	39.5	8.4	4.75					
1535	NG 4545B2XF	1134	1875	38.5	9.2	5.00	21.01	3.55	0.77	0.74	1.51
1536	PHY 764WRF	812	1378	37.7	9.7	4.60	20.54	3.78	0.64	0.46	1.10

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1404	PHY 499WRF	4.40	0.85	1.15	83.8	7.96	33.6	8.80	77.2	8.75	9.81	79.3
1516	DP 1646B2XF	4.56	0.85	1.23	83.1	7.66	30.3	8.55	81.2	7.79	7.39	73.3
1519	FM 1911GLT	4.46	0.86	1.16	82.9	8.42	31.9	7.13	80.3	7.46		
1533	DP 1612B2XF	4.44	0.85	1.17	84.1	7.79	32.9	9.06	78.2	8.30		
1534	PHY 300W3FE	4.50	0.86	1.13	83.0	9.11	30.9	7.94	78.2	8.68		
1535	NG 4545B2XF	4.60	0.87	1.13	83.6	8.40	32.4	6.87	78.4	8.50	7.55	75.9
1536	PHY 764WRF	4.16	0.85	1.16	83.8	7.88	34.6	8.34	77.4	8.65	8.80	78.3

vcode	VARIETY	Length Number	Length Eeight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt	fineness	Immature	Maturity ratio	Nep Count	SNC Count
1404	PHY 499WRF	0.87	1.02	17.9	6.16	1.20	168.9	5.05	0.856	174	12.5
1516	DP 1646B2XF	0.90	1.06	17.9	6.01	1.27	166.0	5.00	0.856	193	6.5
1519	FM 1911GLT	0.87	1.03	17.9	6.18	1.23	159.3	4.87	0.876	164	8.0
1533	DP 1612B2XF	0.87	1.02	17.8	6.29	1.21	164.4	4.52	0.863	189	7.4
1534	PHY 300W3FE	0.85	1.00	18.8	6.77	1.18	168.9	4.52	0.869	190	10.6
1535	NG 4545B2XF	0.88	1.02	16.7	5.69	1.20	177.8	3.83	0.915	134	9.6
1536	PHY 764WRF	0.88	1.03	16.9	5.84	1.22	159.4	5.08	0.844	162	13.1

PLAINS SUB-REGION 11 ONLY

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	lint Percent	Seed Index	Boll Size	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	784	1450	35.3	9.8	5.26	19.52	3.73	0.64	0.47	1.11
1516	DP 1646B2XF	1058	1794	38.1	9	5.12	16.22	3.87	0.56	0.48	1.04
1519	FM 1911GLT	759	1446	35.8	10.9	6.97	.	.	.	.	.
1533	DP 1612B2XF	939	1836	34.6	9.7	5.5	.	.	.	.	.
1534	PHY 300W3FE	793	1597	34.8	8.4	4.9	.	.	.	.	.
1535	NG 4545B2XF	993	2032	35.3	9	5.03	19.41	3.57	0.73	0.71	1.44
1536	PHY 764WRF	616	1320	33.7	9.9	4.53	20.24	3.84	0.55	0.42	0.97
.	LSD	351	744	3.2	1.8	1.18	.	.	.	.	.

vcode	VARIETY			Upper Half		Short		Elon		Hunters		Yarn
		Micronaire	Maturity	Mean Length	Uniformity	Fiber	Strength	gation	RD	Plus b	Waste	Tenacity
1404	PHY 499WRF	4.6	0.85	1.1	82.2	9.1	31.7	8.8	76	9.1	10	78.2
1516	DP 1646B2XF	4.69	0.86	1.17	80.8	9.2	30.5	8.4	80.5	8.3	7	75.8
1519	FM 1911GLT	4.41	0.87	1.12	81.2	10	32.2	6.8	80.3	7.8	.	.
1533	DP 1612B2XF	4.47	0.85	1.12	81.8	9	32.9	8.9	78	8.7	.	.
1534	PHY 300W3FE	4.48	0.86	1.08	81	10.6	30.9	7.5	77.2	8.8	.	.
1535	NG 4545B2XF	4.7	0.87	1.08	81.1	9.9	31.3	6.6	77.9	8.7	6	70.4
1536	PHY 764WRF	4.11	0.85	1.11	81.3	9.4	35.5	7.9	76.7	8.9	7	80.9
.	LSD	0.37	0.01	0.04	0.9	1.7	3	0.5	4.3	0.7	9	18.2

vcode	VARIETY			Short Fiber		Short Fiber		Immature		Nep Count	SCN Count
		Length Number	Length Weight	Content Number	Content Weight	UQL Weigth	Fineness	Fiber Content	Maturity Ratio		
1404	PHY 499WRF	0.88	1	14	4.6	1.16	204	1.9	1.04	131	12
1516	DP 1646B2XF	0.86	1.01	18.3	6.2	1.2	189	2.8	1.01	182	10
1519	FM 1911GLT	0.87	1.01	15.8	5.2	1.17	190	2.4	1.02	175	15
1533	DP 1612B2XF	0.88	1.01	15.5	5.4	1.19	194	2.1	1.04	217	26
1534	PHY 300W3FE	0.91	1.04	13.5	4.5	1.21	190	2	1.04	155	14
1535	NG 4545B2XF	0.85	0.98	15.3	5.2	1.13	203	1.8	1.04	146	14
1536	PHY 764WRF	0.91	1.05	15	4.9	1.23	191	1.9	1.05	184	16
.	LSD	0.06	0.07	3.2	1.3	0.08	21	0.9	0.06	113	22

PLAINS SUB-REGION 12 ONLY

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (lb/a)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1298	1616	44.9	9	4.92	21.04	3.54	0.68	0.49	1.16
1516	DP 1646B2XF	1467	1648	45.9	8	4.76	17.42	3.63	0.59	0.54	1.13
1519	FM 1911GLT	1235	1873	42.4	11.8	5.88	.	.	.	.	.
1533	DP 1612B2XF	1266	1811	40.8	9.7	5	.	.	.	.	.
1534	PHY 300W3FE	1538	1809	44.2	8.3	4.59	.	.	.	.	.
1535	NG 4545B2XF	1287	1718	41.7	9.4	4.98	21.75	3.54	0.79	0.75	1.54
1536	PHY 764WRF	1010	1437	41.7	9.4	4.68	20.51	3.71	0.68	0.48	1.17
.	LSD	292	443	2.7	0.6	0.71	1.84	0.7	0.43	0.24	0.66

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.21	0.85	1.2	85.5	6.9	35.5	8.8	78.5	8.3	9	80.23
1516	DP 1646B2XF	4.44	0.85	1.29	85.5	6.1	30.3	8.7	82	7.3	8	70.63
1519	FM 1911GLT	4.5	0.86	1.21	84.7	6.9	31.7	7.5	80.4	7.1	.	.
1533	DP 1612B2XF	4.4	0.85	1.22	86.3	6.6	32.9	9.3	78.4	7.9	.	.
1534	PHY 300W3FE	4.52	0.85	1.17	84.9	7.7	30.9	8.4	79.3	8.6	.	.
1535	NG 4545B2XF	4.49	0.86	1.19	86.1	6.9	33.4	7.2	78.9	8.2	9	81.28
1536	PHY 764WRF	4.21	0.85	1.21	86.3	6.4	33.8	8.8	78.3	8.3	11	75.68
.	LSD	1	0.02	0.04	1.1	0.7	5.4	1.1	1.3	0.8	8	7.61

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.84	0.99	18.5	6.7	1.17	191.5	3	1	115	22
1516	DP 1646B2XF	0.87	1.06	21.5	7.3	1.29	165.5	4	0.98	116	14
1519	FM 1911GLT	0.89	1.05	18	6.1	1.25	180	3.2	1.01	103	20
1533	DP 1612B2XF	0.86	1.04	21	7.2	1.25	184.5	3.5	0.98	103	16
1534	PHY 300W3FE	0.86	1.02	19	6.5	1.22	176.3	3.6	0.99	149	15
1535	NG 4545B2XF	0.88	1.04	18.5	6.2	1.22	178.5	3.5	0.97	144	24
1536	PHY 764WRF	0.92	1.09	17	5.6	1.3	171	3.1	1	121	24
.	LSD										

PLAINS 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
ALTUS, OK (IRR)	1700	2313	42.2	9.9	5.61	20.97	3.72	0.7	0.59	1.29
CHILLICOTHE, TX (IRR)	901	1090	44	8.9	4.34	19.39	3.49	0.67	0.54	1.21
LUBBOCK, TX (IRR)	884	2140	29.2	10	4.44	18.84	3.75	0.62	0.52	1.14
LAMESA, TX (DRY)	814	1138	41.5	9	6.22	.	.	.	.	.

LOCATION	Micro naire	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	Hunters Plus b	RD	Waste	Yarn Tenacity
ALTUS, OK (IRR)	4.49	0.85	1.242	86.3	7.1	33.7	8.5	81	9	75.39
CHILLICOTHE, TX (IRR)	4.3	0.85	1.185	84.9	6.4	31.6	8.2	77.7	8	78.51
LUBBOCK, TX (IRR)	3.84	0.84	1.162	81.3	9.4	31.7	7.6	76.1	10	72.75
LAMESA, TX (DRY)	5.15	0.87	1.059	81.3	9.7	32.5	8	80	6	79.83

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
ALTUS, OK (IRR)	0.88	1.05	19.2	6.5	1.26	175.3	3.5	0.98	124	20
CHILLICOTHE, TX (IRR)	0.82	0.95	18	6.5	1.11	196.5	2.5	1.04	131	7
LUBBOCK, TX (IRR)	0.88	1.03	16.1	5.3	1.2	188.6	2.4	1.03	168	13
LAMESA, TX (DRY)	0.87	1	14.6	5	1.16	200	1.9	1.04	172	17

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)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	671	1627	29.3	10.65	4.32	19.8	3.58	0.64	0.465	1.11
1516	DP 1646B2XF	1074	2274	32.0	10.5	4.62	16.4	3.75	0.555	0.48	1.04
1519	FM 1911GLT	795	1898	29.5	10.85	6.08					
1533	DP 1612B2XF	909.7	2226	29.0	10.25	4.93					
1534	PHY 300W3FE	795	2112	27.3	8.85	3.49					
1535	NG 4545B2XF	1150	2912	28.3	9.2	4.34	19.5	3.55	0.725	0.71	1.44
1536	PHY 764WRF	794	1934	29.1	10	3.28	20.4	3.93	0.55	0.42	0.97
	LSD	216	534	1.7	1.84	1.20	1.7	0.51	0.12	0.05	0.17

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	3.99	0.84	1.15	82.	9.55	30.4	8.3	72.1		15.0	72.0
1516	DP 1646B2XF	4.15	0.845	1.22	80.7	9	29.4	8.05	78.7		8.06	72.3
1519	FM 1911GLT	3.7	0.85	1.19	81.3	9.2	32.3	6.65	78.9			
1533	DP 1612B2XF	3.66	0.835	1.19	81.9	8.6	32.2	8.6	76.6			
1534	PHY 300W3FE	3.8	0.845	1.13	80.9	10.4	30.7	7.4	75.9			
1535	NG 4545B2XF	4.01	0.855	1.13	81.5	9.35	32.5	6.5	77.3		6.69	72.6
1536	PHY 764WRF	3.60	0.84	1.15	80.8	9.95	34.5	7.7	73.1		8.29	74.3
	LSD	0.41	0.013	0.04	2.04	2.2	2.6	0.95	2.68			11.0

vcode	VARIETY	Length number	Length weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fine ness	Immature Fiber	Maturity ratio	Nep Count	SCN Count
1516	DP 1646B2XF	0.9	1.08	18.2	6.12	1.31	154	6.3	0.8	241	6
1519	FM 1911GLT	0.905	1.06	17.6	5.85	1.29	142	6.25	0.82	277	9
1533	DP 1612B2XF	0.815	1	23.4	8.64	1.23	152	5.97	0.845	331	11
1534	PHY 300W3FE	0.82	0.99	23	8.6	1.21	161	4.97	0.885	321	14.5
1535	NG 4545B2XF	0.895	1.05	16.8	5.72	1.24	157	5.25	0.845	209	10
1536	PHY 764WRF	0.895	1.05	16.8	5.68	1.25	145	6.49	0.81	256	15
	LSD	0.068	0.07	3.31	1.75	0.07	6.67	0.65	0.027	89	16.8

LOCATION: LAMESA, TX (DRY)

vcode	VARIETY	Lint Yield (LB/A)	Seed Yield (LB/A)	Lint Percent	Seed Index	Boll size Size (G/Boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	897	1273	41.3	9	6.18					
1516	DP 1646B2XF	1042	1316	44.2	7.5	5.61					
1519	FM 1911GLT	723.	993	42.1	11	7.85					
1533	DP 1612B2XF	968	1445	40.2	9.1	6.07					
1534	PHY 300W3FE	792	1081	42.3	7.9	6.31					
1535	NG 4545B2XF	836	1152	42.2	8.7	5.72					
1536	PHY 764WRF	437	707	38.3	9.8	5.78					
	LSD	176	342	2.56	0.434	0.878					

varcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	5.22	0.865	1.06	82.3	8.55	33.1	9.3	79.9	8.73	5.83	84.38
1516	DP 1646B2XF	5.22	0.87	1.12	80.8	9.4	31.4	8.7	82.4	8.45	5.74	79.45
1519	FM 1911GLT	5.13	0.88	1.05	81.1	10.8	32.0	6.9	81.6	7.78		
1533	DP 1612B2XF	5.29	0.87	1.05	81.7	9.45	33.5	9.1	79.2	8.75		
1534	PHY 300W3FE	5.16	0.875	1.04	81.1	10.7	31.0	7.6	78.4	8.5		
1535	NG 4545B2XF	5.40	0.89	1.03	80.7	10.4	30.2	6.6	78.6	8.55	6.25	68.2
1536	PHY 764WRF	4.63	0.86	1.08	81.8	8.9	36.4	8.1	80.2	8.75	5.89	87.5
	LSD	0.36	0.009	0.042	1.3	1.3	1.8	0.868	2.51	0.855	1.81	22.5

vcode	VARIETY	Length number	Length weight	Short Fiber	Short Fiber	UQL Weight	Finenss	Immature	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weight			Fiber Content			
1404	PHY 499WRF	0.795	0.92	18.1	6.59	1.08	192	2.59	0.95	186	11
1516	DP 1646B2XF	0.83	0.985	19.6	7.04	1.17	186	3.04	0.935	223	5.5
1519	FM 1911GLT	0.78	0.925	20.8	7.9	1.11	183	3	0.97	167	12
1533	DP 1612B2XF	0.79	0.925	19.0	7.1	1.09	187	2.64	0.955	176	7.5
1534	PHY 300W3FE	0.795	0.935	19.7	7.34	1.09	184	3.02	0.935	192	13
1535	NG 4545B2XF	0.81	0.93	16.8	6.04	1.08	206	1.82	1.03	98.5	5
1536	PHY 764WRF	0.82	0.96	17.7	6.59	1.13	178	2.98	0.94	169	14.5
	LSD	0.07	0.073	4.1	1.98	0.062	8.04	0.635	0.022	96.6	9.76

LOCATION: CHILLICOTHE, TX (IRR)

vcode	VARIETY	Lint	Seed	Lint Percent	Seed Index	Boll	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
		Yield (lb/a)	Yield (lb/a)			Size (g/boll)					
1404	PHY 499WRF	985	1171	46.7	8.55	4.23	20.5	3.30	0.78	0.52	1.3
1516	DP 1646B2XF	1018	1138	46	7.83	4.39	17.3	3.37	0.615	0.55	1.17
1519	FM 1911GLT	821	1200	44.2	11.4	5.42					
1533	DP 1612B2XF	798	1022	41.2	9.06	4.16					
1534	PHY 300W3FE	1029	1059	44.7	7.92	4.10					
1535	NG 4545B2XF	925	1139	42.0	8.77	4.05	20.6	3.56	0.745	0.685	1.43
1536	PHY 764WRF	730	900	43.3	8.74	4.00	19.3	3.71	0.53	0.405	0.935
	LSD	2226	322	2.6	1.03	0.554	2.49	0.42	0.028	0.066	0.091

LOCATION: ALTUS, OK (IRR)

varcode	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
1404	PHY 499WRF	1611	2062	43.0	9.4	5.61					
1516	DP 1646B2XF	1916	2157	45.8	8.25	5.14					
1519	FM 1911GLT	1648	2545	40.6	12.3	6.34					
1533	DP 1612B2XF	1735	2599	40.4	10.3	5.85					
1534	PHY 300W3FE	2048	2558	43.8	8.75	5.08					
1535	NG 4545B2XF	1649	2298	41.5	10.1	5.9					
1536	PHY 764WRF	1291	1973	40.1	10.2	5.36					
	LSD	159	403	1.5	0.141	0.455					

varcode	VARIETY	Microaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	strength	Elongation	RD	Hunters plus b	waste	yarn tenacity
1404	PHY 499WRF	3.87	0.842	1.25	86.2	7.14	40.0	8.31	80.4	8.17		79.2
1516	DP 1646B2XF	4.52	0.847	1.31	86.3	6.60	30.8	9.25	83.3	7.40		68.5
1519	FM 1911GLT	4.35	0.853	1.24	84.9	7.49	31.7	7.88	81.7	7.30		
1533	DP 1612B2XF	4.67	0.850	1.25	86.9	6.97	34.0	9.45	80.8	8.01		
1534	PHY 300W3FE	4.50	0.852	1.21	85.5	7.63	31.4	8.50	80.9	8.12		
1535	NG 4545B2XF	4.81	0.869	1.21	86.9	7.29	33.9	7.25	80.7	8.10		81.9
1536	PHY 764WRF	4.73	0.855	1.24	87.5	6.72	34.0	9.05	79.7	8.24		72.3
	LSD	0.202	0.008	0.024	0.994	0.885	1.97	0.307	1.48	0.472		6.8

varcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.905	1.08	17.5	5.8	1.23	149	8.02	0.76	158	11.5
1516	DP 1646B2XF	0.895	1.08	19.3	6.4	1.31	151	7.67	0.77	198	9.5
1519	FM 1911GLT	0.91	1.07	16.6	5.45	1.28	147	6.78	0.795	128	7
1533	DP 1612B2XF	0.93	1.08	14.6	4.75	1.27	159	5.83	0.79	136	5
1534	PHY 300W3FE	0.9	1.06	16.8	5.59	1.25	159	6.43	0.79	135	7.5
1535	NG 4545B2XF	0.895	1.055	17.9	5.88	1.25	167	5.32	0.84	129	11.5
1536	PHY 764WRF	0.935	1.08	15.6	4.99	1.27	164	5.55	0.785	106	6.5
	LSD	0.073	0.048	5.96	2.57	0.042	10.8	1.15	0.034	38.2	14.9



2017 National Cotton Variety Test

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EASTERN REGION

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

**2017 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR EASTERN BY VARIETIES**

vcode	VARIETY	Lint	Seed	Boll				Nitr	Plus	Minus	Free
		Yield	Yield	Lint	Seed	Size	Oil				
		(lb/a)	(lb/a)	Percent	Index	(g/boll)		ogen	Gossypol	Gossypol	Gossypol
1404	PHY 499WRF	1257	1796	42.1	10	5.43	19.82	3.52	0.8	0.51	1.3
1459	PHY 444WRF	1397	1946	42.5	11	5.7	.	.	.	.	.
1468	ST 4946GLB2	1318	1877	40.5	11	5.95	.	.	.	.	.
1507	DP 1553B2XF	1276	1742	43	9.6	5.78	.	.	.	.	.
1510	DP 1538B2XF	1278	1776	42.8	9.3	5.58	.	.	.	.	.
1516	DP 1646B2XF	1414	1870	42.2	9.1	5.07	16.7	3.62	0.65	0.54	1.19
1535	NG 4545B2XF	1364	1926	42	9.9	5.71	21.6	3.54	0.87	0.77	1.65
1536	PHY 764WRF	970	1454	39.6	10.6	5.42	20.2	3.78	0.6	0.45	1.05
1537	DP 1522B2XF	1287	1751	42.5	9.5	5.25	.	.	.	.	.
1542	PHY 330W3FE	1303	1846	43.1	9.3	5.05	.	.	.	.	.
.	LSD	150	307	1.7	0.9	0.41	1.48	0.44	0.07	0.06	0.12

vcode	VARIETY	Micro	Maturity	Upper Half		Short	Elon	Hunters	Yarn			
				Mean	Uniformity							
		naire		Length	Index	Fiber	Strength	gation	RD	Plus b	Waste	Tenacity
1404	PHY 499WRF	4.87	0.86	1.16	86	6.3	32.1	9.2	75	7.9	12	85.32
1459	PHY 444WRF	4.12	0.85	1.28	86.8	5.5	32	7.8	76.4	7.7	.	.
1468	ST 4946GLB2	4.74	0.86	1.17	85.8	6.3	31.4	8.5	76.4	7.8	.	.
1507	DP 1553B2XF	4.62	0.85	1.21	86	6.3	30	9	76.5	7.7	.	.
1510	DP 1538B2XF	4.65	0.85	1.15	85.4	6.3	29	9	77.2	7.7	.	.
1516	DP 1646B2XF	4.47	0.85	1.28	86	5.5	29.5	8.6	78	6.9	11	70.02
1535	NG 4545B2XF	4.73	0.87	1.17	85.1	6.6	32.3	7.1	75.9	7.5	11	91.27
1536	PHY 764WRF	4.19	0.85	1.19	86.1	5.9	35.4	8.5	75.3	7.8	15	83.87
1537	DP 1522B2XF	4.9	0.86	1.18	85.5	6.2	30	9.5	75.2	7.4	.	.
1542	PHY 330W3FE	4.45	0.86	1.18	86	6.5	32.2	7.9	76.1	7.7	.	.
.	LSD	0.22	0.01	0.03	0.6	0.5	1	0.3	1.7	0.4	4	5.17

vcode	VARIETY	Length number	Length weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.86	0.99	15.8	5.4	1.14	202.7	2.4	1.03	117	15
1459	PHY 444WRF	0.92	1.04	13	4.3	1.19	199.2	2.2	1.02	103	16
1468	ST 4946GLB2	0.91	1.04	15.3	4.9	1.21	195	2.8	1.01	110	12
1507	DP 1553B2XF	0.93	1.09	16.7	5.2	1.29	185.5	3	1	133	12
1510	DP 1538B2XF	0.89	1.01	14.6	4.9	1.17	193.6	3	0.99	116	11
1516	DP 1646B2XF	0.92	1.07	16	5.1	1.26	181.8	2.6	1.03	127	13
1535	NG 4545B2XF	0.89	1.02	15.3	5	1.18	194.6	2.4	1.03	108	10
1536	PHY 764WRF	0.94	1.08	13.4	4.4	1.26	183.2	2.2	1.04	122	11
1537	DP 1522B2XF	0.9	1.03	14.8	5	1.19	191.6	2.9	0.99	124	12
1542	PHY 330W3FE	0.93	1.07	14.8	4.7	1.24	197.2	2.4	1.02	114	13
	LSD	0.03	0.02	1.8	0.7	0.03	8.1	0.5	0.02	23	4

EASTERN 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
SUFFOLK, VA	1682	2097	44.4	.	5.68	.	.	.	.	.
BELLE MINA, AL	1458	2008	42.1	11.3	6.03	.	.	.	.	.
FLORENCE, SC	1281	.	.	.	.	19.44	3.54	0.72	0.56	1.28
GRIFFIN, GA	1160	2218	35.2	.	.	19.03	3.43	0.7	0.55	1.25
ROCKY MOUNT, NC	1128	1335	45.7	9.3	5.68	20.24	3.88	0.77	0.59	1.36
STARKVILLE, MS	1008	1333	42.7	9.1	4.6	.	.	.	.	.

LOCATION	Micro naire	Maturit y	Upper Half Mean Length	Uniformity	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
SUFFOLK, VA	4.68	0.86	1.228	86.6	5.4	30.8	8.1	80.2	6.9	.	.
BELLE MINA, AL	4.79	0.86	1.27	87.7	6	32.4	9	77.6	9.7	.	.
FLORENCE, SC	4.55	0.86	1.159	85.5	5.8	32.2	8.3	73	7.6	13	83.43
GRIFFIN, GA	4.28	0.84	1.163	85.3	6.5	31.1	8.9	69.9	7	16	79.16
ROCKY MOUNT, NC	5.01	0.86	1.144	85	6.3	30.9	9	79.7	8	8	85.26
STARKVILLE, MS	4.13	0.85	1.215	85.2	6.9	31	7.8	76.9	6.5	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
SUFFOLK, VA	1.01	1.13	9.9	2.8	1.3	211.2	1.6	1.07	116	4
BELLE MINA, AL	.	.	.	.	.	.	.	.	.	.
FLORENCE, SC	0.85	1	18.5	6.4	1.18	182.3	3.6	0.96	127	18
GRIFFIN, GA	0.88	1.03	16.7	5.4	1.2	183.3	2.8	1	153	23
ROCKY MOUNT, NC	0.89	1.01	13.8	4.5	1.17	199.7	1.9	1.03	84	9
STARKVILLE, MS	0.9	1.04	16	5.3	1.22	185.9	3	1.01	106	8

EASTERN REGION INDIVIDUAL LOCATION SUMMARIES

LOCATION: FLORENCE, SC

varcode	VARIETY	Lint	Seed			Boll					
		Yield (lb/a)	Yield (lb/a)	Lint Percent	Seed Index	Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1316					19.6	3.65	0.765	0.5	1.27
1459	PHY 444WRF	1344									
1468	ST 4946GLB2	1395									
1507	DP 1553B2XF	1249									
1510	DP 1538B2XF	1277									
1516	DP 1646B2XF	1434					17.3	3.57	0.655	0.565	1.22
1535	NG 4545B2XF	1361					21.2	3.43	0.855	0.76	1.62
1536	PHY 764WRF	1075					19.6	3.48	0.595	0.43	1.023
1537	DP 1522B2XF	1199									
1542	PHY	1159									
	330W3FE										
	LSD	179					1.6	0.33	0.05	0.025	0.07

varcode	VARIETY	Micro naire	Seed Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Iniformity Index							
1404	PHY 499WRF	5.13	0.865	1.12	85.7	5.7	33.3	9.35	69.9	7.8	12.02	87.4
1459	PHY 444WRF	3.78	0.845	1.25	86.4	5.75	33.5	7.25	74.2	7.5		
1468	ST 4946GLB2	4.82	0.86	1.15	85.8	5.85	32.3	8.75	72.8	7.83		
1507	DP 1553B2XF	4.45	0.85	1.19	85.2	5.95	31.1	8.75	74.6	7.75		
1510	DP 1538B2XF	4.48	0.855	1.13	85.2	5.45	29.7	8.5	75.0	7.5		
1516	DP 1646B2XF	4.35	0.85	1.23	85.3	5.8	30.8	8.35	74.9	6.92	10.7	71.6
1535	NG 4545B2XF	4.7	0.87	1.12	84.7	6.15	32.5	6.6	72.0	7.7	13.5	89.8
1536	PHY 764WRF	4.24	0.85	1.15	86	5.1	36.0	8.4	70.8	7.68	15.6	85.1
1537	DP 1522B2XF	5.02	0.86	1.14	85	5.9	31.0	9.3	72.7	7.63		
1542	PHY	4.58	0.865	1.13	85.7	6	31.8	7.55	72.7	8.05		
	330W3FE											
	LSD	0.25	0.01	0.03	1.9	0.95	3.1	0.812	3.9	0.39		32.1

LOCATION: ROCKY MOUNT, NC

vcode	VARIETY	Lint	Seed	Lint	Seed	Boll	Oil	Nitr	Plus	Minus	Free
		Yield	Yield			Size					
1404	PHY 499WRF	1115	1309	45.9	9.5	5.45	19.7	3.51	0.84	0.52	1.265
1459	PHY 444WRF	1331	1509	47.0	10.7	5.85					
1468	ST 4946GLB2	1189	1471	44.6	10.3	6.05					
1507	DP 1553B2XF	1080	1275	45.9	8.6	6					
1510	DP 1538B2XF	1108	1347	45.2	8.8	5.75					
1516	DP 1646B2XF	1160	1332	46.6	9.0	5.15	17.6	3.79	0.71	0.57	1.22
1535	NG 4545B2XF	1200	1417	45.8	9.5	5.9	22.7	3.96	0.935	0.815	1.615
1536	PHY 764WRF	833	1057	44.1	9.8	5.55	21.6	4.39	0.6	0.445	1.025
1537	DP 1522B2XF	1191	1368	46.2	8.9	5.75					
1542	PHY 330W3FE	1074	1267	45.9	8.3	5.35					
	LSD	241	264	2.0	1.3	0.484	2.0	0.43	0.112	0.047	0.098

vcode	VARIETY	Micro	Maturity	Upper Half		Short	Strength	Elon	RD	Hunters	Waste	Yarn
				Mean	Uniformity								Fiber	gation	Plus b	Tenacity
1404	PHY 499WRF	5.13	0.86	1.11	85.3	6.20	31.5	9.75	78.2	7.75	9.13	88.0
1459	PHY 444WRF	3.78	0.865	1.25	86.4	5.70	33.1	8.15	80.4	8.25		
1468	ST 4946GLB2	4.82	0.875	1.11	84.8	6.80	30.9	8.95	79.5	7.43		
1507	DP 1553B2XF	4.45	0.86	1.17	84.8	6.70	29.3	9.10	80.0	8.70		
1510	DP 1538B2XF	4.49	0.855	1.13	84.8	6.05	29.0	9.50	81.3	8.33		
1516	DP 1646B2XF	4.35	0.855	1.24	86.0	5.45	29.0	9.20	81.7	8.00	6.83	72.2
1535	NG 4545B2XF	4.70	0.875	1.10	84.0	6.75	30.8	7.60	78.2	7.53	6.51	92.2
1536	PHY 764WRF	4.24	0.85	1.11	85.1	6.25	34.1	9.10	78.8	7.85	8.34	88.8
1537	DP 1522B2XF	5.02	0.86	1.13	84.4	6.05	30.0	10.60	79.8	7.83		
1542	PHY 330W3FE	4.58	0.865	1.11	84.3	7.20	30.8	8.30	78.9	8.10		
	LSD	0.34	0.01	0.08	2.0	1.10	2.4	0.71	1.3	0.85		30.7

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.845	0.98	16.1	5.67	1.14	169	2.23	0.955	92.0	10.5
1459	PHY 444WRF	0.945	1.09	14.3	4.57	1.28	161	2.30	0.980	119.0	15.0
1468	ST 4946GLB2	0.850	0.98	15.9	5.52	1.14	170	2.19	1.000	99.5	13.5
1507	DP 1553B2XF	0.910	1.04	14.5	4.98	1.22	174	2.20	0.930	137.0	19.5
1510	DP 1538B2XF	0.875	1.00	14.0	5.05	1.16	168	2.25	0.925	95.0	6.5
1516	DP 1646B2XF	0.900	1.06	17.2	5.68	1.26	172	2.80	0.935	124.0	7.0
1535	NG 4545B2XF	0.855	0.98	14.1	4.77	1.14	171	1.58	1.025	57.5	7.5
1536	PHY 764WRF	0.885	1.02	13.8	4.80	1.18	158	2.69	0.945	92.0	14.0
1537	DP 1522B2XF	0.860	0.99	14.6	5.10	1.15	179	1.87	0.965	128.5	12.0
1542	PHY 330W3FE	0.865	1.02	17.4	5.90	1.18	171	2.50	0.975	89.0	8.0
	LSD	0.087	0.08	5.8	2.40	0.07	10	0.93	0.033	43.3	12.1

STARKVILLE, MS

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	857	1175	43.1	9.0	4.16	19.6	3.84	0.635	0.49	1.00
1459	PHY 444WRF	1144	1289	43.8	9.4	4.75					
1468	ST 4946GLB2	968	1394	40.1	9.6	4.48					
1507	DP 1553B2XF	1189	1512	44.7	9.2	5.17					
1510	DP 1538B2XF	945	1117	43.7	8.7	4.62					
1516	DP 1646B2XF	1272	1564	45.0	8.5	4.71	17.5	3.79	0.81	0.665	0.92
1535	NG 4545B2XF	1032	1545	40.4	9.0	4.65	17.5	3.83	0.71	0.595	1.31
1536	PHY 764WRF	634	902	39.5	9.8	4.68	17.5	3.86	0.815	0.66	0.78
1537	DP 1522B2XF	909	1330	42.1	9.3	4.53					
1542	PHY 330W3FE	1127	1503	44.9	8.7	4.20					
	LSD	275	519	1.9	1.5	0.66					

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1404	PHY 499WRF	4.24	0.85	1.15	85.4	7.45	30.9	8.30	76.4	7.20		
1459	PHY 444WRF	3.59	0.845	1.32	86.6	5.50	32.2	6.80	78.8	6.65		
1468	ST 4946GLB2	3.94	0.845	1.20	84.6	6.90	30.6	7.85	76.1	7.03		
1507	DP 1553B2XF	4.36	0.855	1.24	86.1	6.55	30.1	8.15	75.5	6.03		
1510	DP 1538B2XF	4.27	0.85	1.15	83.7	8.20	28.5	7.90	78.2	6.78		
1516	DP 1646B2XF	4.46	0.86	1.31	84.7	5.85	28.6	7.80	78.3	5.38		
1535	NG 4545B2XF	4.20	0.86	1.17	84.4	7.80	31.6	6.75	77.5	6.75		
1536	PHY 764WRF	3.94	0.84	1.21	85.7	6.15	35.9	8.15	76.8	7.10		
1537	DP 1522B2XF	4.38	0.85	1.21	85.3	7.20	30.3	8.55	73.8	5.85		
1542	PHY 330W3FE	3.95	0.845	1.21	85.8	7.20	31.2	7.30	77.0	6.78		
	LSD	0.37	0.013	0.05	2.3	1.30	1.9	0.80	3.8	0.83		

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL Weigth	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weigth						
1404	PHY 499WRF	0.86	1.02	18.4	6.30	1.20	169	3.84	0.895	117.0	10.00
1459	PHY 444WRF	0.945	1.13	18.2	5.75	1.36	161	4.02	0.905	143.5	11.50
1468	ST 4946GLB2	0.87	1.03	17.9	6.19	1.22	170	3.87	0.91	124.5	3.00
1507	DP 1553B2XF	0.925	1.09	16.1	5.30	1.29	174	3.45	0.89	90.5	5.50
1510	DP 1538B2XF	0.85	1.01	19.7	6.97	1.20	168	4.57	0.875	108.0	7.00
1516	DP 1646B2XF	0.96	1.14	15.5	4.90	1.35	172	3.45	0.895	76.0	5.00
1535	NG 4545B2XF	0.91	1.06	15.5	5.07	1.24	171	3.20	0.925	82.0	7.50
1536	PHY 764WRF	0.91	1.07	16.4	5.40	1.27	158	4.00	0.9	126.5	16.50
1537	DP 1522B2XF	0.945	1.08	12.7	4.07	1.26	179	2.79	0.91	65.0	5.00
1542	PHY 330W3FE	0.875	1.04	18.8	6.44	1.23	171	3.94	0.91	108.0	8.00
	LSD	0.056	0.04	4.5	1.76	0.03	12	1.19	0.034	41.1	7.69

LOCATION: BELLE MINA, AL

vcode	VARIETY	Lint	Seed	Lint	Seed	Boll	oil	Nitr	Plus	Minus	Free
		Yield	Yield			Size					
		(lb/a)	(lb/a)	Percent	Index	(g/boll)					
1404	PHY 499WRF	1447	1957	42.5	11.4	5.94					
1459	PHY 444WRF	1624	2213	42.4	12.9	6.34					
1468	ST 4946GLB2	1536	2296	40.1	13.2	6.79					
1507	DP 1553B2XF	1276	1743	42.3	11.0	6.03					
1510	DP 1538B2XF	1418	1816	43.8	10.4	6.08					
1516	DP 1646B2XF	1565	2056	43.2	9.6	5.47					
1535	NG 4545B2XF	1706	2453	41.0	11.1	6.39					
1536	PHY 764WRF	1019	1592	39.0	12.2	6.15					
1537	DP 1522B2XF	1471	1957	42.9	10.4	5.47					
1542	PHY 330W3FE	1522	1999	43.3	11.0	5.60					
	LSD	179	240	1.0	0.5	0.37					

vcode	VARIETY	Micro	Maturity	Upper Half		Short	Strength	Elon	RD	Hunters	Waste	Yarn
				Mean	Uniformity								Fiber	Tenacity
		naire		Length	Index			gation		Plus b		
1404	PHY 499WRF	5.21	0.862	1.22	87.7	6.40	33.1	9.66	75.9	10.1		
1459	PHY 444WRF	4.40	0.852	1.34	89.5	5.13	32.6	8.24	78.2	9.9		
1468	ST 4946GLB2	5.00	0.861	1.28	88.3	5.72	32.5	9.04	77.4	9.9		
1507	DP 1553B2XF	4.78	0.849	1.28	87.7	6.08	29.7	9.77	77.0	9.8		
1510	DP 1538B2XF	4.90	0.853	1.20	86.4	6.66	28.9	9.58	77.3	9.6		
1516	DP 1646B2XF	4.43	0.843	1.38	87.0	5.17	29.5	9.47	79.9	9.1		
1535	NG 4545B2XF	4.86	0.869	1.25	87.2	6.20	35.5	7.58	78.7	9.7		
1536	PHY 764WRF	4.48	0.853	1.28	88.1	6.04	37.6	8.68	77.5	10.2		
1537	DP 1522B2XF	5.10	0.857	1.22	86.9	6.65	30.1	9.83	76.8	9.7		
1542	PHY 330W3FE	4.73	0.859	1.26	88.4	6.09	34.9	8.49	77.2	9.7		
	LSD	0.32	0.010	0.04	1.1	0.44	2.6	0.55	1.3	0.6		

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.96	1.10	13.3	4.00	1.27	196	2.52	0.945	59	3.5
1459	PHY 444WRF	1.07	1.23	11.1	3.10	1.43	182	3.02	0.95	79.5	3.5
1468	ST 4946GLB2	1.025	1.17	12.1	3.40	1.36	197	2.65	0.95	60.5	2.5
1507	DP 1553B2XF	1.015	1.14	10.3	3.09	1.31	187	3.00	0.9	91.5	2.5
1510	DP 1538B2XF	0.945	1.07	12.2	3.93	1.24	185	5.30	0.82	86	5.5
1516	DP 1646B2XF	1.045	1.21	12.8	3.65	1.43	179	3.49	0.915	92	6.5
1535	NG 4545B2XF	0.955	1.11	14.6	4.45	1.30	194	4.02	0.915	66.5	3.5
1536	PHY 764WRF	0.97	1.13	14.3	4.35	1.33	175	5.02	0.86	104	9
1537	DP 1522B2XF	0.99	1.11	10.9	3.42	1.29	183	4.50	0.83	82.5	4.5
1542	PHY 330W3FE	1.025	1.16	10.3	2.98	1.32	190	2.42	0.97	81	3
	LSD										

LOCATION: GRIFFIN, GA

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
1404	PHY 499WRF	1100	2339	35.3			20.15	3.39	0.78	0.495	1.28
1459	PHY 444WRF	1248	2687	33.7							
1468	ST 4946GLB2	951	1639	35.8							
1507	DP 1553B2XF	1283	2331	35.9							
1510	DP 1538B2XF	1233	2570	36.0							
1516	DP 1646B2XF	1130	1936	32.5			15.23	3.51	0.57	0.495	1.07
1535	NG 4545B2XF	1188	2237	36.6			21.13	3.28	0.83	0.74	1.57
1536	PHY 764WRF	1204	2134	35.6			19.55	3.51	0.61	0.47	1.08
1537	DP 1522B2XF	1032	1840	35.5							
1542	PHY 330W3FE	1233	2471	35.1							
	LSD	255	613	2.6			2.22	0.37	0.023	0.013	0.03

vcode	VARIETY	Micro naire	Maturity	Upper Half				Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index	Short Fiber	Strength					
1404	PHY 499WRF	4.70	0.85	1.13	85.5	6.45	31.3	9.4	70.1	7.30	13.9	80.7
1459	PHY 444WRF	3.98	0.84	1.22	85.5	6.25	30.7	8.8	65.6	6.95		
1468	ST 4946GLB2	4.30	0.845	1.14	84.5	6.85	31.5	8.65	72.6	7.30		
1507	DP 1553B2XF	4.61	0.845	1.13	85.0	6.95	30.6	9.9	69.5	7.10		
1510	DP 1538B2XF	4.39	0.84	1.11	85.6	6.25	28.6	9.6	72.6	7.10		
1516	DP 1646B2XF	4.13	0.84	1.25	86.3	5.85	29.7	8.9	72.8	6.20	16.6	66.3
1535	NG 4545B2XF	4.50	0.865	1.16	84.5	7.15	31.4	7.1	69.0	6.45	13.9	92.0
1536	PHY 764WRF	3.93	0.835	1.15	85.7	6.25	35.3	8.9	67.6	7.50	20.2	77.9
1537	DP 1522B2XF	4.44	0.84	1.17	85.1	6.55	29.9	9.75	67.3	7.00		
1542	PHY 330W3FE	3.80	0.835	1.19	85.2	6.6	32.3	7.95	72.0	6.85		
	LSD	0.55	0.015	0.08	2.2	1.46	3.7	1.074	5.5	0.73	16.9	46.7

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weight						
1404	PHY 499WRF	0.87	1.01	16.5	5.47	1.18	169	4.75	0.845	139	26.0
1459	PHY 444WRF	0.915	1.11	19.8	6.37	1.34	145	6.97	0.825	257	19.5
1468	ST 4946GLB2	0.86	1.01	17.8	6.12	1.19	162	5.65	0.84	129	14.5
1507	DP 1553B2XF	0.925	1.07	14.5	4.67	1.245	161	6.05	0.81	171	13.0
1510	DP 1538B2XF	0.87	1.005	16.5	5.64	1.165	163	6.33	0.795	158	24.5
1516	DP 1646B2XF	0.925	1.1	18.6	5.88	1.325	153	7.00	0.79	257	20.0
1535	NG 4545B2XF	0.87	1.035	18.7	6.14	1.22	165	5.34	0.855	151	15.0
1536	PHY 764WRF	0.875	1.03	17.6	5.97	1.22	151	6.09	0.835	178	29.5
1537	DP 1522B2XF	0.88	1.025	17.3	5.85	1.205	163	5.87	0.825	170	21.5
1542	PHY 330W3FE	0.91	1.055	15.1	4.98	1.225	160	5.10	0.855	125	11.5
	LSD	0.058	0.048	4.5	1.73	0.058	12	0.96	0.025	78	25.6

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
1404	PHY 499WRF	1705	2199	43.67		6.20					
1459	PHY 444WRF	1693	2029	45.50		5.86					
1468	ST 4946GLB2	1867	2587	41.87		6.50					
1507	DP 1553B2XF	1576	1849	46.06		5.90					
1510	DP 1538B2XF	1685	2028	45.33		5.87					
1516	DP 1646B2XF	1922	2465	43.83		4.97					
1535	NG 4545B2XF	1697	1981	46.06		5.90					
1536	PHY 764WRF	1053	1587	39.89		5.31					
1537	DP 1522B2XF	1918	2258	45.93		5.24					
1542	PHY 330W3FE	1705	1987	46.20		5.07					
	LSD	255	292	4.38		0.72					

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elongation	RD	Hunter's Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1404	PHY 499WRF	4.94	0.86	1.21	86.7	5.65	32.4	8.65	79.4	7.28		
1459	PHY 444WRF	4.18	0.855	1.31	86.5	4.75	30.1	7.55	81.3	7.18		
1468	ST 4946GLB2	5.01	0.87	1.17	86.6	5.5	30.5	8.05	79.6	7.45		
1507	DP 1553B2XF	4.64	0.855	1.25	87.2	5.3	29.3	8.3	82.3	6.85		
1510	DP 1538B2XF	4.88	0.86	1.17	86.7	5.45	29.4	9.1	78.9	6.80		
1516	DP 1646B2XF	4.58	0.86	1.30	86.6	5	29.4	8.15	80.4	6.05		
1535	NG 4545B2XF	4.84	0.87	1.21	85.8	5.8	32.3	7.15	79.9	7.10		
1536	PHY 764WRF	4.00	0.85	1.25	86.3	5.65	33.8	7.95	80.5	6.73		
1537	DP 1522B2XF	5.16	0.87	1.22	86.7	5.1	28.8	8.8	81.2	6.60		
1542	PHY 330W3FE	4.63	0.865	1.21	86.7	5.75	32.2	7.7	78.7	7.03		
	LSD	0.29	0.009	0.04	1.3	0.565	2.3	0.806	3.6	0.48		

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Mature Fiber	Nep Count	SCN Count
1404	PHY 499WRF	0.96	1.09	12.2	3.73	1.25	202	1.75	0.980	58.5	4.00
1459	PHY 444WRF	0.975	1.14	15.9	4.89	1.36	170	3.48	0.925	147	6.50
1468	ST 4946GLB2	0.92	1.06	14.2	4.55	1.24	196	2.10	0.985	85.0	7.00
1507	DP 1553B2XF	0.985	1.13	12.1	3.73	1.30	184	2.65	0.930	92.5	4.50
1510	DP 1538B2XF	0.915	1.05	13.0	4.30	1.21	191	2.54	0.930	86.0	9.50
1516	DP 1646B2XF	0.985	1.15	13.5	4.07	1.36	179	2.72	0.925	86.5	9.50
1535	NG 4545B2XF	0.925	1.07	13.9	4.40	1.24	198	2.05	0.995	77.0	8.00
1536	PHY 764WRF	0.97	1.12	12.9	3.97	1.32	175	2.75	0.950	106	12.0
1537	DP 1522B2XF	0.95	1.10	13.4	4.17	1.27	198	2.30	0.965	107	7.50
1542	PHY 330W3FE	0.94	1.08	13.4	4.33	1.25	188	2.22	0.975	103	11.5
	LSD	0.06	0.05	2.6	0.89	0.89	9	0.41	0.019	54.4	5.90



2017 National Cotton Variety Test

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CENTRAL REGION

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

**2017 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR CENTRAL BY VARIETIES**

vcode	VARIETY	Lint	Seed	Boll				Nitr	Plus	Minus	Free
		Yield	Yield	Lint	Seed	Size	Oil				
		(lb/a)	(lb/a)	Percent	Index	(g/boll)		ogen	Gossypol	Gossypol	Gossypol
1404	PHY 499WRF	1665	1918	46.2	8.9	4.56	21.0	3.08	0.76	0.54	1.31
1497	PHY 312WRF	1687	2090	44.3	9.6	4.46	.	.	.	.	.
1503	FM 1830GLT	1397	1645	44.9	9.2	4.81	.	.	.	.	.
1516	DP 1646B2XF	1673	1990	46.5	7.6	4.33	17.6	3.43	0.66	0.59	1.25
1535	NG 4545B2XF	1545	1992	43	9.2	4.76	21.8	3.08	0.74	0.7	1.43
1536	PHY 764WRF	1193	1712	41.8	10.3	4.34	22.4	3.42	0.7	0.51	1.21
1537	DP 1522B2XF	1518	1965	43.8	9	4.46	.	.	.	.	.
1551	DG 3385B2XF	1592	2072	44.8	9	4.45	.	.	.	.	.
1552	NG 4601B2XF	1610	1833	45.5	8.9	4.49	.	.	.	.	.
.	LSD	258	290	1.7	0.6	0.44	2.15	0.33	0.08	0.1	0.14

vcode	VARIETY	Micro	Maturity	Upper Half			Elon	gation	RD	Hunters	Waste	Yarn
				Mean	Uniformity	Short						
		naire		Length	Index	Fiber	Strength		Plus b		Tenacity	
1404	PHY 499WRF	4.85	0.86	1.16	85.4	6.2	30.1	8.2	76.7	7.2	9	81.8
1497	PHY 312WRF	4.69	0.87	1.20	85.7	6	29.5	7.3	76.3	7	.	.
1503	FM 1830GLT	4.75	0.87	1.25	84.8	6.1	31.1	6.2	79.2	6.2	.	.
1516	DP 1646B2XF	4.71	0.86	1.25	84.9	6	28.8	8	79	6.9	7	71.6
1535	NG 4545B2XF	4.82	0.88	1.16	84.3	6.6	29.8	6.1	77.2	7.2	9	78.3
1536	PHY 764WRF	4.03	0.85	1.21	85.6	6	33.3	7.2	77.2	7.6	11	78.2
1537	DP 1522B2XF	5.05	0.86	1.17	85.1	6.2	29.4	8.7	76.8	7	.	.
1551	DG 3385B2XF	4.89	0.86	1.18	85.2	6	28.4	8.5	77.4	7.5	.	.
1552	NG 4601B2XF	5.16	0.88	1.18	84.7	6.6	31.5	7.3	77.7	7	.	.
.	LSD	0.19	0	0.04	1.1	0.8	1.4	0.3	0.8	0.5	5	4.95

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.87	1.02	17.3	5.7	1.19	192.3	3.1	1	138	6
1497	PHY 312WRF	0.94	1.09	15.5	4.9	1.28	179	3.2	0.99	136	7
1503	FM 1830GLT	0.84	1.02	22	7.7	1.23	181.5	3.9	0.98	214	11
1516	DP 1646B2XF	0.93	1.09	16.2	5	1.29	182.3	2.8	1.01	143	11
1535	NG 4545B2XF	0.91	1.05	15	4.8	1.21	197	2.4	1.02	101	11
1536	PHY 764WRF	0.95	1.11	15.8	4.9	1.32	173.8	2.9	1.01	128	10
1537	DP 1522B2XF	0.91	1.06	15.3	4.9	1.23	188.5	3	1	113	8
1551	DG 3385B2XF	0.87	1.03	18.5	6.2	1.22	187.3	3.4	0.98	155	10
1552	NG 4601B2XF	0.89	1.07	19	6.3	1.28	176	3.5	0.99	177	9
.	LSD	0.06	0.06	4.7	1.9	0.08	12.7	0.7	0.04	65	7

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
WESLACO, TX	1752	2203	45.5	9	4.66	21.78	2.85	0.76	0.64	1.39
COLLEGE STATION, TX	1537	1936	43.6	8.9	4.2	20.25	2.97	0.81	0.68	1.48
CORPUS CHRISTI, TX (DRY)	1338	1600	44.4	9.2	4.7	19.99	3.93	0.58	0.44	1.02

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
WESLACO, TX	4.92	0.87	1.208	85.4	6	30.1	7.5	78.6	7.2	10	80.06
COLLEGE STATION, TX	4.71	0.87	1.225	86.1	5.5	31	7.5	80	6.9	8	75.95
CORPUS CHRISTI, TX (DRY)	4.68	0.86	1.15	83.8	7	29.6	7.5	74	7.1	9	76.44

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SNC Count
WESLACO, TX	0.9	1.06	16.7	5.4	1.24	189.6	2.6	1.02	148	7
COLLEGE STATION, TX	0.9	1.06	17.5	5.7	1.26	179.2	3.6	0.97	137	11
CORPUS CHRISTI, TX (DRY)	0.9	1.06	17	5.5	1.26	184	2.8	1.01	171	8

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
1404	PHY 499WRF	1776	2068	45.7	45.7	4.48	20.9	2.97	0.805	0.635	1.44
1497	PHY 312WRF	1614	2214	42.8	42.8	3.90					
1503	FM 1830GLT	1415	1720	43.8	43.8	4.63					
1516	DP 1646B2XF	1644	1895	46.4	46.4	3.93	17.4	2.97	0.77	0.76	1.53
1535	NG 4545B2XF	1684	2219	43.3	43.3	4.30	21.2	2.72	0.825	0.75	1.58
1536	PHY 764WRF	1044	1544	39.4	39.4	3.93	21.5	3.21	0.835	0.56	1.40
1537	DP 1522B2XF	1503	1967	43.0	43.0	4.05					
1551	DG 3385B2XF	1557	2038	43.1	43.1	3.90					
1552	NG 4601B2XF	1597	1761	45.4	45.4	4.62					
	LSD	198	378	1.4	0.9	1.04	1.7	0.34	0.65	0.58	1.13

vcode	VARIETY			Upper Half								Yarn Tenacity
		Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	
1404	PHY 499WRF	4.76	0.86	4.76	86.2	5.85	31.1	8.35	78.9	7.23	7.03	79.8
1497	PHY 312WRF	4.64	0.865	4.64	86.5	5.4	29.1	7.35	78.9	6.75		
1503	FM 1830GLT	4.72	0.875	4.72	86.1	5.15	32.2	6.10	81.7	6.13		
1516	DP 1646B2XF	4.61	0.86	4.61	85.9	5.05	29.0	7.75	81.4	6.30	6.34	69.1
1535	NG 4545B2XF	4.92	0.88	4.92	84.8	6.2	31.5	6.00	79.4	7.25	8.90	78.0
1536	PHY 764WRF	3.91	0.85	3.91	86.1	5.7	34.2	7.25	79.2	7.65	8.47	77.1
1537	DP 1522B2XF	4.99	0.86	4.99	86.4	5.55	29.8	8.60	79.5	6.88		
1551	DG 3385B2XF	4.90	0.86	4.90	86.5	5.2	28.9	8.75	80.1	7.58		
1552	NG 4601B2XF	4.98	0.875	4.98	86.2	5.35	33.0	7.45	80.4	6.88		
	LSD	0.47	0.012	0.04	1.3	0.588	2.3	0.62	2.4	0.63		

vcode	VARIETY			Short Fiber	Short Fiber						
		Length Number	Length Weigth	Content Number	Content Weigth	UQL Weigth	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.915	1.08	16.0	4.90	1.24	174	3.47	0.900	124	18
1497	PHY 312WRF	0.975	1.13	14.0	4.05	1.32	174	3.73	0.895	103	13
1503	FM 1830GLT	1.025	1.18	11.9	3.32	1.39	167	2.97	0.940	95	12
1516	DP 1646B2XF	0.965	1.13	14.8	4.39	1.34	166	3.87	0.880	135	3.5
1535	NG 4545B2XF	0.910	1.06	14.6	4.74	1.23	175	3.42	0.930	80	6.5
1536	PHY 764WRF	0.910	1.09	17.1	5.42	1.29	149	5.40	0.855	187	20.5
1537	DP 1522B2XF	0.955	1.08	11.7	3.67	1.26	177	2.97	0.900	90	5.5
1551	DG 3385B2XF	0.965	1.09	11.5	3.50	1.26	179	3.05	0.895	86	7
1552	NG 4601B2XF	0.950	1.09	13.8	4.27	1.28	176	3.32	0.915	104	10
	LSD	0.067	0.06	5.3	1.99	0.06	11	1.28	0.034	99	13.7

LOCATION: WESLACO, TX

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Yiel (lb/a)	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1823	2046	47.4	8.89	4.80	21.9	2.53	0.86	0.62	1.48
1497	PHY 312WRF	2086	2365	45.9	9.56	4.95					
1503	FM 1830GLT	1543	1811	46.6	9.07	4.84					
1516	DP 1646B2XF	2015	2609	45.9	7.68	4.59	16.9	3.26	0.675	0.59	1.27
1535	NG 4545B2XF	1592	2058	44.0	8.98	4.85	23.5	2.66	0.775	0.77	1.55
1536	PHY 764WRF	1540	2099	44.0	9.66	4.50	24.5	2.92	0.715	0.56	1.28
1537	DP 1522B2XF	1846	2356	44.6	9.08	4.47					
1551	DG 3385B2XF	1687	2301	46.1	8.96	4.56					
1552	NG 4601B2XF	1601	2181	45.4	9.34	4.37					
	LSD	287	825	8.0	0.91	0.87	1.7	0.49	0.586	0.231	0.79

vcode	VARIETY	Micro naire	Upper Half Mean Maturity Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	5.12	0.87	1.17	85.9	6.05	29.3	8.2	77.6	7.03	87.0
1497	PHY 312WRF	4.93	0.87	1.21	86.1	5.65	30.6	7.35	77.0	7.53	
1503	FM 1830GLT	4.80	0.875	1.25	84.4	6.55	30.2	6.35	80.2	5.95	
1516	DP 1646B2XF	4.81	0.865	1.29	86.3	5.3	29.5	7.95	80.4	7.43	7.37
1535	NG 4545B2XF	4.94	0.88	1.17	84.8	6.25	29.2	6.05	77.7	7.25	7.87
1536	PHY 764WRF	4.17	0.855	1.23	85.4	5.9	33.2	7	78.1	7.88	15.61
1537	DP 1522B2XF	5.21	0.87	1.20	85.1	6.05	29.1	8.55	77.8	7.05	
1551	DG 3385B2XF	5.06	0.865	1.17	85.7	5.8	27.9	8.4	78.9	7.53	
1552	NG 4601B2XF	5.27	0.88	1.21	85.0	6.3	31.7	7.4	79.0	7.10	
	LSD	0.25	0.011	0.03	1.7	0.891	2.1	0.608	2.0	0.78	

vcode	VARIETY	Length	Length	Short	Short	UQL	Fineness	Immature	Maturity	Nep	SCN
		Number	Weight	Fiber	Fiber	Weight		Fiber	Ratio	Count	Count
1404	PHY 499WRF	0.91	1.05	14.7	4.67	1.23	180	3.12	0.905	118	17
1497	PHY 312WRF	0.93	1.08	15.6	4.90	1.26	189	3.18	0.965	121	15
1503	FM 1830GLT	0.935	1.11	17.3	5.50	1.33	173	3.29	0.97	117	5
1516	DP 1646B2XF	0.97	1.14	14.5	4.32	1.34	182	3.02	0.955	102	8.5
1535	NG 4545B2XF	0.915	1.06	15.2	4.95	1.24	186	2.60	0.99	68	9
1536	PHY 764WRF	0.915	1.07	16.5	5.24	1.27	172	3.75	0.955	146	20
1537	DP 1522B2XF	0.92	1.06	13.7	4.47	1.23	190	2.67	0.96	113	8.5
1551	DG 3385B2XF	0.87	1.02	17.6	6.00	1.20	188	3.34	0.925	190	17
1552	NG 4601B2XF	0.895	1.07	19.4	6.32	1.28	190	3.25	0.97	163	20
	LSD	0.071	0.07	4.3	1.93	0.08	6	0.84	0.024	78	6.71

LOCATION: CORPUS CHRISTIE, TX

vcode	VARIETY	Lint	Seed	Lint	Seed	Boll	Oil	Nitr	Plus	Minus	Free
		Yield	Yield			Size					
		(lb/a)	(lb/a)	Percent	Index	(g/boll)					
1404	PHY 499WRF	1395	1638	43.5	8.87	4.38	20.1	3.58	0.640	0.36	0.995
1497	PHY 312WRF	1360	1692	43.5	9.47	4.54					
1503	FM 1830GLT	1203	1402	45.0	9.59	4.96					
1516	DP 1646B2XF	1360	1467	45.2	7.67	4.48	18.4	3.75	0.540	0.38	0.95
1535	NG 4545B2XF	1359	1700	40.7	9.97	5.13	20.7	3.55	0.710	0.595	1.18
1536	PHY 764WRF	996	1493	42.1	11.02	4.58	21.3	3.93	0.465	0.315	0.95
1537	DP 1522B2XF	1205	1572	41.6	9.08	4.87					
1551	DG 3385B2XF	1533	1876	43.8	8.99	4.90					
1552	NG 4601B2XF	1632	1556	43.3	8.57	4.47					
	LSD	397	725	1.0	0.44	0.74	2.9	0.28	0.054	0.073	0.12

vcode	VARIETY			Upper Half									
		Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity	
1404	PHY 499WRF	4.69	0.86	1.13	84.1	6.75	29.9	8.05	73.5	7.55	9.46	78.68	
1497	PHY 312WRF	4.49	0.86	1.17	84.4	7	28.7	7.15	72.9	6.85			
1503	FM 1830GLT	4.73	0.87	1.19	83.9	6.55	30.8	6.2	75.6	6.55			
1516	DP 1646B2XF	4.72	0.86	1.19	82.6	7.65	28.0	8.15	75.2	7.025	8.16	69.52	
1535	NG 4545B2XF	4.59	0.87	1.13	83.5	7.25	28.7	6.3	74.3	7.15	11.25	79.11	
1536	PHY 764WRF	4.02	0.85	1.18	85.4	6.35	32.5	7.3	74.2	7.35	8.73	78.63	
1537	DP 1522B2XF	4.97	0.86	1.11	83.9	6.9	29.3	9.05	73.0	7.225			
1551	DG 3385B2XF	4.70	0.855	1.08	83.6	6.85	28.5	8.2	73.1	7.475			
1552	NG 4601B2XF	5.23	0.88	1.17	83.0	8.1	29.5	7.05	73.6	7.05			
	LSD	0.31	0.005	0.03	1.8	1.244	1.5	0.196	2.2	0.524			

vcode	VARIETY			Short Fiber	Short Fiber								
		Length Number	Length Weight	Content Number	Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count		
1404	PHY 499WRF	0.865	1	15.7	5.34	1.16	178	3.20	0.93	67.5	9.5		
1497	PHY 312WRF	0.89	1.03	15.7	5.30	1.20	179	2.90	0.95	101.0	17.5		
1503	FM 1830GLT	0.955	1.11	14.7	4.69	1.32	177	2.67	1.00	69.0	8.5		
1516	DP 1646B2XF	0.895	1.06	17.3	5.69	1.26	177	3.57	0.93	56.5	5.5		
1535	NG 4545B2XF	0.895	1.03	14.7	4.92	1.21	186	2.44	0.98	69.5	7.5		
1536	PHY 764WRF	0.91	1.055	15.1	5.04	1.24	164	3.68	0.93	93.0	15.5		
1537	DP 1522B2XF	0.91	1.035	12.4	4.17	1.20	189	2.49	0.95	64.0	3		
1551	DG 3385B2XF	0.885	1.02	14.2	4.80	1.19	183	3.13	0.93	77.0	6.5		
1552	NG 4601B2XF	0.865	1.005	15.7	5.47	1.17	190	2.40	0.99	71.5	9.5		
	LSD	0.09	0.064	9.0	3.59		20	2.29		241.0	44.9		



2017 National Cotton Variety Test

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DELTA REGION

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

**2017 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR DELTA BY VARIETIES**

vcode	VARIETY	Lint	Seed	Boll				Nitr	Plus	Minus	Free
		Yield	Yield	Lint	Seed	Size	Oil				
		(lb/a)	(lb/a)	Percent	Index	(g/boll)		ogen	Gossypol	Gossypol	Gossypol
1404	PHY 499WRF	1087	1391	42	10.8	5.15	20.11	3.43	0.66	0.56	1.22
1459	PHY 444WRF	1167	1553	41.9	11.6	5.1	.	.	.	.	.
1501	DP 1555B2RF	1131	1372	43.8	9.1	5.34	.	.	.	.	.
1516	DP 1646B2XF	1215	1508	42.8	9.1	4.57	18.07	3.55	0.7	0.63	1.33
1528	ST 4949GLT	1269	1724	43.1	10.2	5.34	.	.	.	.	.
1529	DP 1518B2XF	1156	1712	40.8	10.5	5.12	.	.	.	.	.
1530	NG 3406B2XF	1228	1828	41	11.4	5.93	.	.	.	.	.
1535	NG 4545B2XF	1159	1681	39.5	10.2	5.4	20.85	3.46	0.86	0.8	1.65
1536	PHY 764WRF	752	1143	38.4	11.5	4.62	21.29	3.63	0.69	0.56	1.25
1537	DP 1522B2XF	1296	1777	41.3	10.1	4.74	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half			Short	Elon	Hunters	Yarn		
				Mean	Uniformity	Length						
				Mean	Index	Fiber	Strength	RD	Plus b	Waste	Tenacity	
1404	PHY 499WRF	4.8	0.87	1.22	85.5	6.8	33	7.9	75.7	6.8	10	74.4
1459	PHY 444WRF	4.58	0.86	1.25	85.5	6.8	33.8	7.9	77.3	7	.	.
1501	DP 1555B2RF	4.93	0.87	1.24	85.2	7.2	32.5	8	78.3	6.6	.	.
1516	DP 1646B2XF	4.86	0.86	1.244	84.6	7.1	30.4	8.3	76.5	6.3	9	72.2
1528	ST 4949GLT	4.85	0.87	1.18	85	7.3	31.4	8.2	76.1	6.9	.	.
1529	DP 1518B2XF	5	0.87	1.19	84.2	7.9	30.4	8.1	76.8	6.1	.	.
1530	NG 3406B2XF	4.97	0.86	1.18	84.9	7.3	30.5	8.5	74.9	6.3	.	.
1535	NG 4545B2XF	4.9	0.88	1.21	85	7.4	34.6	7	75.7	6.5	10	77.2
1536	PHY 764WRF	4.5	0.86	1.21	85.4	7	35.2	7.9	76.3	6.8	12	85.1
1537	DP 1522B2XF	5.05	0.87	1.20	85.1	7.1	31.8	8.9	75.7	6.3	.	.
	LSD	0.37	0.01	0.05	1.2	0.8	3.1	0.9	2.6	0.6	4	8.4

vcode	VARIETY	Length Number	Length Weighth	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.9	1.05	16	5.1	1.22	191	3	1.01	136	13
1459	PHY 444WRF	0.94	1.11	16.5	5.2	1.32	184	2.8	1.03	133	15
1501	DP 1555B2RF	0.91	1.06	16.3	5.2	1.24	182	3.4	0.98	142	10
1516	DP 1646B2XF	0.95	1.12	16.2	5	1.32	172	3.1	1.01	159	15
1528	ST 4949GLT	0.92	1.08	16.5	5.2	1.28	181	3	1.01	198	19
1529	DP 1518B2XF	0.93	1.1	17	5.3	1.31	177	3.6	0.98	169	17
1530	NG 3406B2XF	0.93	1.08	15.5	4.8	1.26	192	2.8	1.02	122	11
1535	NG 4545B2XF	0.91	1.06	15.8	5.1	1.23	188	2.7	1.01	141	14
1536	PHY 764WRF	0.97	1.13	14.2	4.3	1.33	176	2.9	1.01	162	16
1537	DP 1522B2XF	0.95	1.13	17.3	5.4	1.35	180	3.5	0.99	155	9
	LSD	0.03	0.03	1.9	0.8	0.03	8.6	0.7	0.03	21	7

DELTA 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
JACKSON, TN	1502	1847	43.6	10.8	5.69	20.8	3.5	0.69	0.66	1.35
PORTAGEVILLE, MO	1016	1870	35.2	10.6	.	18.6	3.8	0.74	0.6	1.35
KEISER, AR	920	990	45.6	10	4.57	20.8	3.25	0.75	0.65	1.4

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
JACKSON, TN	4.77	0.86	1.22	84.5	7	32.1	8	77.6	5.9	8	75.7
PORTAGEVILLE, MO	4.75	0.87	1.21	84.7	7.3	34	8	71.4	6.8	14	78.7
KEISER, AR	5.01	0.87	1.21	85.8	7.2	31	8.2	80	6.9	9	77.2

LOCATION	Length Numb er	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
JACKSON, TN	0.95	1.1	14.8	4.6	1.3	174	3.4	0.96	134	9
PORTAGEVILLE, MO	0.92	1.09	17.7	5.6	1.29	177	3.5	1	214	21
KEISER, AR	0.92	1.08	15.9	5	1.27	195	2.3	1.05	107	11

DELTA REGION INDIVIDUAL LOCATION SUMMARIES

LOCATION: JACKSON, TN

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
1404	PHY 499WRF	1247	1401	43.4	12.1	5.71	21.3	3.27	0.585	0.65	1.24
1459	PHY 444WRF	1431	1640	44.2	11.6	6.07					
1501	DP 1555B2RF	1619	1715	46.5	8.8	5.82					
1516	DP 1646B2XF	1668	1784	45.4	9.3	4.99	17.2	3.51	0.65	0.615	1.27
1528	ST 4949GLT	1548	1993	44.5	10.2	5.52					
1529	DP 1518B2XF	1632	2314	43.7	12.2	5.53					
1530	NG 3406B2XF	1595	2295	41.9	12.9	6.34					
1535	NG 4545B2XF	1534	1935	42.2	9.3	6.03	22.2	3.36	0.91	0.87	1.78
1536	PHY 764WRF	1082	1400	40.4	11.3	5.18	22.4	3.82	0.62	0.485	1.11
1537	DP 1522B2XF	1664	1990	43.4	10.6	5.70					
	LSD	373	951	2.0	2.8	1.36	2.0	0.34	0.085	0.076	0.16

vcode	VARIETY	Upper Half										
		Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Huntters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.56	0.865	1.29	85.1	6.25	30.5	6.95	80.1	6.55	12.5	71.6
1459	PHY 444WRF	4.40	0.86	1.28	86.0	6.25	34.0	7.7	76.9	6.23		
1501	DP 1555B2RF	4.93	0.865	1.23	84.8	7.25	33.4	8.2	80.2	6.4		
1516	DP 1646B2XF	4.92	0.865	1.26	83.0	7.25	30.2	8.3	77.9	5.63	11.9	67.1
1528	ST 4949GLT	4.70	0.86	1.18	84.5	7.1	30.1	8.2	77.5	6.13		
1529	DP 1518B2XF	4.83	0.87	1.18	83.5	8	29.7	7.75	76.8	5.08		
1530	NG 3406B2XF	4.90	0.855	1.17	84.1	7.55	29.9	9.1	76.6	5.55		
1535	NG 4545B2XF	5.03	0.88	1.19	84.9	7.55	35.0	6.4	77.1	6.08	10.7	75.7
1536	PHY 764WRF	4.39	0.86	1.20	85.0	6.45	36.0	7.85	76.3	6.45	11.4	88.9
1537	DP 1522B2XF	5.10	0.86	1.20	84.6	6.75	31.8	9.55	76.2	5.13		
	LSD	0.30	0.01	0.04	1.3	1.22	2.3	0.72	2.2	0.78		17.9

vcode	VARIETY	Short Fiber									
		Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.965	1.15	16.6	5.03	1.37	174	5.17	0.865	153	13
1459	PHY 444WRF	0.9	1.10	21.3	6.92	1.34	177	6.35	0.84	142	8
1501	DP 1555B2RF	0.905	1.07	17.4	5.90	1.28	182	4.49	0.87	96	8
1516	DP 1646B2XF	0.925	1.11	17.9	5.67	1.33	178	5.35	0.84	112	5.5
1528	ST 4949GLT	0.845	1.02	21.1	7.25	1.22	185	6.05	0.83	128	11
1529	DP 1518B2XF	0.855	1.04	21.6	7.44	1.26	177	5.77	0.84	169	13
1530	NG 3406B2XF	0.845	1.01	19.6	6.80	1.21	181	5.90	0.83	148	9.5
1535	NG 4545B2XF	0.905	1.07	16.1	5.15	1.26	189	3.67	0.9	85	3
1536	PHY 764WRF	0.94	1.09	13.5	4.32	1.28	173	4.68	0.855	117	15.5
1537	DP 1522B2XF	0.88	1.03	17.2	5.83	1.23	185	5.20	0.835	167	8
	LSD	0.069	0.05	2.3	1.90	0.04	7	1.05	0.028	103	7.16

LOCATION: PORTAGEVILLE, MO

vcode	VARIETY	Lint	Seed	Lint	Seed	Boll	Oil	Nitr	Plus	Minus	Free
		Yield	Yield			Size					
		(lb/a)	(lb/a)	Percent	Index	(g/boll)					
1404	PHY 499WRF	948	1700	35.5	10.7						
1459	PHY 444WRF	1179	2130	35.6	12.0						
1501	DP 1555B2RF	915	1531	37.5	9.3						
1516	DP 1646B2XF	1049	1757	37.3	9.0						
1528	ST 4949GLT	1239	2062	37.7	10.5						
1529	DP 1518B2XF	919	1807	33.7	10.0						
1530	NG 3406B2XF	1138	2080	35.6	10.9						
1535	NG 4545B2XF	978	2046	32.7	11.1						
1536	PHY 764WRF	675	1476	31.7	12.1						
1537	DP 1522B2XF	1118	2113	34.9	10.0						
	LSD	203	339	1.2	0.7						

vcode	VARIETY	Micro	Maturity	Upper Half				Elon	RD	Hunters	Waste	Yarn
				Mean	Uniformity	Short	Strength						gation	Plus b	Tenacity
		naire		Length	Index	Fiber						
1404	PHY 499WRF	4.51	0.86	1.22	85.4	6.9	35.6	7.7	80.1	6.93	13.9	78.6
1459	PHY 444WRF	4.71	0.865	1.21	84.5	7.25	37.1	8.25	76.9	7.50		
1501	DP 1555B2RF	4.69	0.865	1.255	85.2	6.95	32.2	7.8	80.2	6.50		
1516	DP 1646B2XF	4.77	0.865	1.2	84.7	7.2	32.7	8.05	77.9	6.90	14.7	77.6
1528	ST 4949GLT	4.84	0.865	1.195	85.9	6.8	34.9	8.35	77.5	6.93		
1529	DP 1518B2XF	5.17	0.87	1.175	83.5	8.25	32.2	8.6	76.8	6.98		
1530	NG 3406B2XF	5.13	0.875	1.18	84.7	7.55	34.1	7.7	76.6	6.65		
1535	NG 4545B2XF	4.52	0.865	1.23	84.8	7.1	34.8	7.3	77.1	6.45	13.8	74.1
1536	PHY 764WRF	4.51	0.86	1.2	84.3	8	33.2	7.95	76.3	6.73	13.7	84.6
1537	DP 1522B2XF	4.67	0.865	1.235	84.8	7.05	33.3	8.05	76.2	6.75		
	LSD	0.56	0.013	0.094	3.2	2.43	5.0	2.24	6.1	0.89	5.5	28.5

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.91	1.08	17.2	5.68	1.27	171	3.95	0.895	157	25
1459	PHY 444WRF	0.865	1.02	18.2	5.99	1.20	167	4.50	0.88	171	27
1501	DP 1555B2RF	0.895	1.08	20.2	6.72	1.31	166	5.90	0.84	226	27
1516	DP 1646B2XF	0.89	1.05	18.1	5.97	1.24	173	3.85	0.895	177	20
1528	ST 4949GLT	0.875	1.03	18.3	5.94	1.21	171	4.52	0.86	113	16
1529	DP 1518B2XF	0.9	1.06	16.6	5.55	1.25	176	3.50	0.91	117	12
1530	NG 3406B2XF	0.935	1.09	14.4	4.52	1.27	170	3.68	0.875	104	13
1535	NG 4545B2XF	0.94	1.10	16.1	5.12	1.31	172	3.87	0.91	117	16
1536	PHY 764WRF	0.88	1.06	20.0	6.73	1.27	168	4.72	0.885	193	14
1537	DP 1522B2XF	0.945	1.11	16.6	5.19	1.31	169	4.62	0.865	121	16.5
	LSD	0.046	0.04	2.9	1.14	0.05	10	0.62	0.026	66	10.7

LOCATION: KEISER, AR

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
1404	PHY 499WRF	1068	1072	47.0	9.51	4.58	20.7	3.18	0.765	0.53	1
1459	PHY 444WRF	891	888	45.8	11.4	4.13					
1501	DP 1555B2RF	857	872	47.5	9.23	4.86					
1516	DP 1646B2XF	927	984	45.7	9.03	4.15	18.1	3.37	0.64	0.62	0.92
1528	ST 4949GLT	1021	1117	47.1	9.87	5.17					
1529	DP 1518B2XF	917	1014	44.9	9.41	4.70					
1530	NG 3406B2XF	952	1108	45.6	10.3	5.52					
1535	NG 4545B2XF	963	1062	43.7	10.4	4.77	22.3	3.18	0.95	0.92	1.305
1536	PHY 764WRF	498	554	43.1	11.0	4.07	22.0	3.24	0.635	0.52	0.78
1537	DP 1522B2XF	1106	1227	45.6	9.74	3.77					
	LSD	212	435	1.2	0.71	1.58	2.2	0.69	0.11	0.10	0.21

vcode	VARIETY	Micro naire	Maturity	Upper Half				Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index	Short Fiber	Strength					
1404	PHY 499WRF	5.34	0.869	1.16	86.0	7.15	32.8	9.08	77.5	6.98	7.69	73.1
1459	PHY 444WRF	4.64	0.861	1.27	86.2	6.94	30.4	7.62	81.6	7.27		
1501	DP 1555B2RF	5.17	0.871	1.22	85.7	7.25	32.0	8.04	81.9	7.07		
1516	DP 1646B2XF	4.90	0.860	1.27	86.1	6.70	28.4	8.56	81.5	6.53	5.18	72.0
1528	ST 4949GLT	5.00	0.866	1.18	84.8	7.94	29.0	8.02	80.2	7.60		
1529	DP 1518B2XF	5.00	0.866	1.20	85.5	7.43	29.2	8.09	80.3	6.42		
1530	NG 3406B2XF	4.90	0.857	1.19	85.9	6.82	27.5	8.86	79.6	6.63		
1535	NG 4545B2XF	5.15	0.878	1.21	85.3	7.42	33.9	7.22	78.2	7.01	7.75	81.8
1536	PHY 764WRF	4.61	0.860	1.23	86.9	6.55	36.3	8.08	79.2	7.21	14.00	82.0
1537	DP 1522B2XF	5.39	0.869	1.17	85.8	7.44	30.3	9.11	79.6			
	LSD	0.20	0.005	0.05	1.8	0.87	1.5	0.34	1.6	0.77	18.6	26.8

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1459	PHY 444WRF	0.975	1.14	14.8	4.50	1.35	179	2.83	0.94	73.5	2.5
1501	DP 1555B2RF	0.94	1.10	15.5	4.99	1.29	186	2.60	0.96	57.0	8.5
1516	DP 1646B2XF	0.895	1.08	18.9	6.42	1.30	176	4.00	0.905	144.5	8
1528	ST 4949GLT	0.885	1.05	17.9	6.07	1.24	186	3.40	0.915	118.5	12.5
1529	DP 1518B2XF	0.89	1.04	16.7	5.59	1.23	180	3.17	0.935	137.0	9
1530	NG 3406B2XF	0.91	1.05	14.5	4.75	1.24	181	3.17	0.915	93.0	5
1535	NG 4545B2XF	0.94	1.08	14.0	4.37	1.27	194	2.00	0.985	63.0	5.5
1536	PHY 764WRF	0.935	1.09	14.7	4.75	1.28	174	3.02	0.93	88.0	19
1537	DP 1522B2XF	0.925	1.06	12.9	4.27	1.23	192	2.25	0.94	84.0	9
	LSD	0.057	0.05	3.9	1.54	0.05	12	0.76	0.026	46.2	8.75



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WESTERN REGION

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

**2017 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)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1696	2196	43	9.4	4.83	19.17	3.84	0.73	0.47	1.2
1479	DG 2355B2RF	1453	2438	37.4	10.7	5.06	.	.	.	.	.
1516	DP 1646B2XF	1620	2142	41.5	8.3	4.19	15.11	3.8	0.53	0.44	0.97
1535	NG 4545B2XF	1382	1950	41.1	9.5	4.7	19.37	3.74	0.73	0.66	1.39
1536	PHY 764WRF	1325	2031	38.5	10.4	4.77	19.35	3.86	0.51	0.35	0.86
1553	Acala Daytona RF	1366	2152	40.1	10.3	4.83	.	.	.	.	.
1554	DP 1549B2XF	1420	2118	39.9	8.8	4.38	.	.	.	.	.
.	LSD	278	631	3.7	1.4	0.44	1.73	0.26	0.16	0.11	0.26

vcode	VARIETY	Microaire	Seed Maturity	Upper Half		Short Fiber	Strength	Elongation		Hunters		Yarn Tenacity
				Mean Length	Uniformity Index			RD	RD	Plus b	Waste	
1404	PHY 499WRF	4.59	0.86	1.17	84.5	7.3	33	8.2	73.6	8.8	16	81.1
1479	DG 2355B2RF	4.34	0.86	1.16	83.4	8	34.1	8.2	73.8	8.8	.	.
1516	DP 1646B2XF	4.76	0.87	1.23	83.5	7.3	31.3	8	78	8.4	13	77.7
1535	NG 4545B2XF	4.69	0.88	1.14	83	8.2	31.3	5.9	74.6	8.8	12	84.3
1536	PHY 764WRF	4.04	0.86	1.19	83.9	7.3	36.6	7.3	73.3	9	19	88.8
1553	Acala Daytona RF	4.53	0.87	1.21	85.2	6.7	36.4	6.9	73.3	8.8	.	.
1554	DP 1549B2XF	4.5	0.87	1.15	83.3	8.3	32.4	6.5	74.1	9.2	.	.
.	LSD	0.73	0.01	0.03	1	1.5	3	0.5	3.7	0.4	11	16.2

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
FIVE POINTS, CA	0.84	1.03	23.2	8	1.24	174	4.2	1	212	28
MARICOPA, AZ	.	.	.	.	.	.	.	.	.	.
LAS CRUCES, NM	.	.	.	.	.	.	.	.	.	.

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)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	2374	2706	46.7	8.96	5.41	20.0	3.85	0.82	0.52	1.34
1479	DG 2355B2RF	2101	2919	41.8	10.5	5.84					
1516	DP 1646B2XF	2535	2988	45.9	7.73	5.04	15.2	3.90	0.535	0.435	0.97
1535	NG 4545B2XF	1972	2581	43.3	9.49	5.20	20.1	3.69	0.765	0.69	1.46
1536	PHY 764WRF	2256	2899	43.8	10.2	5.36	20.1	3.81	0.555	0.385	0.94
1553	Acala Daytona RF	2140	2634	44.8	9.81	5.23					
1554	DP 1549B2XF	2221	2781	44.4	7.58	4.96					
	LSD	260	312	1.2	0.54	0.45	1.1	0.65	0.07	0.08	0.14

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.53	0.855	1.155	84.6	7.8	32.8	8.05	67.5	8.85	22.5	85.2
1479	DG 2355B2RF	4.65	0.86	1.16	83.7	7.55	33.4	8.35	66.4	8.85		
1516	DP 1646B2XF	4.88	0.87	1.21	83.9	7.45	31.1	7.95	73.7	8.25	16.7	67.2
1535	NG 4545B2XF	4.97	0.88	1.11	83.2	8.05	30.6	5.95	69.7	8.875	14.9	92.0
1536	PHY 764WRF	4.51	0.865	1.18	83.4	8	35.7	7.4	67.3	9.075	25.9	89.6
1553	Acala Daytona RF	4.41	0.87	1.205	85.1	7.05	38.1	6.6	66.5	8.75		
1554	DP 1549B2XF	4.56	0.87	1.14	83.2	8.75	31.7	6.55	67.9	9.325		
	LSD	0.45	0.008	0.021	0.9	0.543	3.1	0.327	8.6	0.977		26

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF										
1479	DG 2355B2RF										
1516	DP 1646B2XF										
1535	NG 4545B2XF										
1536	PHY 764WRF										
1553	Acala Daytona RF										
1554	DP 1549B2XF										
	LSD										

LOCATION: MARICOPA, AZ

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Goggypol	Free Gossypol
1404	PHY 499WRF	1491	2137	41.3	9.9	2.58	18.2	3.80	0.635	0.415	1.05
1479	DG 2355B2RF	1254	2676	33.5	11.0	2.83					
1516	DP 1646B2XF	1183	1758	38.2	8.8	2.29	15.0	3.70	0.515	0.45	0.97
1535	NG 4545B2XF	987	1446	40.6	9.5	2.49	18.5	3.77	0.695	0.62	1.32
1536	PHY 764WRF	792	1713	33.3	10.7	2.67	18.4	3.88	0.46	0.32	0.78
1553	Acala Daytona RF	1142	2730	32.8	10.8	2.52					
1554	DP 1549B2XF	978	2024	34.9	10.1	2.36					
	LSD	318		9.1	1.3	0.51	1.7	0.57	0.04	0.05	0.09



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PIMA REGION

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LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
FIVE POINTS, CA	1.03	1.23	16.5	4.8	1.49	168.6	2.6	1.04	131	20
LAS CRUCES, NM	.	.	.	.	.	.	.	.	.	.

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)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1432	PHY 805	1612	2223	42.1	11.9	3.18					
1433	PHY 802	1495	2179	40.7	12.3	3.13					
1471	DP 358RF	1674	2475	40.3	12.4	3.49	21.3	3.82	0.585	0.6	1.19
1513	DP 348RF	1734	2476	41.2	12.4	3.41	22.5	3.72	0.57	0.575	1.15
1531	PHY 841RF	1757	2447	41.8	13.6	3.48	20.5	3.69	0.555	0.63	1.19
1532	PHY 881RF	1814	2556	41.5	13.0	3.58	20.7	3.56	0.525	0.58	1.11
1555	PHY 888RF	1741	2512	41.0	13.4	3.49					
	LSD	193	273	0.7	0.6	0.33	1.1	0.11	0.098	0.081	0.17

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1432	PHY 805	4.26	0.87	1.41	87.3	4.8	50.0	6.05	59.9	11.7		
1433	PHY 802	3.97	0.865	1.45	88.4	4.75	53.7	6.4	62.8	11.3		
1471	DP 358RF	3.98	0.865	1.48	89.0	4.8	53.3	6.4	59.3	11.6	24.1	97.2
1513	DP 348RF	4.15	0.865	1.40	88.3	4.85	49.3	6.75	60.2	11.8	24.6	87.1
1531	PHY 841RF	4.27	0.87	1.46	87.4	4.8	50.5	6.55	59.2	11.8	19.8	97.5
1532	PHY 881RF	4.22	0.87	1.50	88.3	4.8	52.9	6.25	62.0	11.6	20.4	82.8
1555	PHY 888RF	4.31	0.87	1.49	87.3	4.8	50.8	6.65	59.9	11.9		
	LSD	0.36	0.017	0.04	1.5	0.084	6.2	0.826	3.4	0.8	4.2	33.5

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1432	PHY 805	1.01	1.23	17.7	5.05	1.47	149	2.77	0.980	65.5	13.5
1433	PHY 802	1.05	1.24	14.5	3.97	1.47	148	2.37	0.985	58.0	10
1471	DP 358RF	1.00	1.22	17.8	5.24	1.48	151	2.97	0.970	114.5	18.5
1513	DP 348RF	0.96	1.18	19.7	6.12	1.44	151	3.10	0.970	96.0	17.5
1531	PHY 841RF	1.00	1.20	16.8	5.04	1.46	154	2.75	0.975	76.0	13.5
1532	PHY 881RF	1.01	1.22	16.7	4.93	1.48	163	2.49	1.000	82.5	10.5
1555	PHY 888RF	1.02	1.23	17.2	5.15	1.50	158	2.90	0.985	88.0	11.5
	LSD	0.08	0.04	6.8	1.87	0.09	15	1.45	0.040	103.0	16.2

LOCATION: LAS CRUCES, NM

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
1432	PHY 805	602	837	41.9		4.26					
1433	PHY 802	837	1237	40.4		5.14					
1471	DP 358RF	758	1144	39.9		4.31					
1513	DP 348RF	929	1335	41.1		4.83					
1531	PHY 841RF	1008	1350	42.8		4.85					
1532	PHY 881RF	974	1301	42.8		5.54					
1555	PHY 888RF	956	1327	41.9		4.36					
	LSD	200	292	1.0		1.28					



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REGIONAL HIGH QUALITY

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**2017 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR REGIONAL HIGH QUALITY BY VARIETIES**

vcode	VARIETY	Lint	Seed	Boll				Nitr	Plus	Minus	Free
		Yield	Yield	Lint	Seed	Size	Oil				
		(lb/a)	(lb/a)	Percent	Index	(g/boll)		ogen	Gossypol	Gossypol	Gossypol
1474	FM 2322GL	940	1268	41.5	10.4	5.78	.	.	.	.	.
1483	FM 2334GLT	1109	1513	40.8	9.5	5.37	.	.	.	.	.
1503	FM 1830GLT	1098	1468	41.1	9.7	5.45	.	.	.	.	.
1516	DP 1646B2XF	1252	1665	42	8.7	4.64	.	.	.	.	.
1521	TAM BB-2139	838	1566	33	12.1	5.6	.	.	.	.	.
1536	PHY 764WRF	840	1296	38	11.3	5.22	.	.	.	.	.
1538	MON 16R341B3XF	1185	1553	41.9	8.8	4.91	.	.	.	.	.
1539	MON 16R346B3XF	1225	1663	40.9	8.9	4.93	.	.	.	.	.
1540	NM 13G1029	1056	1556	39.3	10.1	5.13	.	.	.	.	.
1541	NM 13G2019	1059	1668	37.7	10.2	5.46	.	.	.	.	.
1542	PHY 330W3FE	1192	1667	41.4	9.6	5.06	.	.	.	.	.
1543	PHY 450W3FE	1079	1634	39.1	10.1	5.02	.	.	.	.	.
1544	ARK 0921-58ne	1067	1828	36.5	11	5.51	.	.	.	.	.
1545	ARK 0912-41	1201	1880	38.8	12	6.1	.	.	.	.	.
1546	ARK 0908-52	1213	1633	41.1	10.1	5.78	.	.	.	.	.
1547	LA 11307012	1142	1725	39.2	11.8	6.21	.	.	.	.	.
1548	LA 11307105	1083	1743	38.4	11.1	5.72	.	.	.	.	.
1549	TAM 12I-72	993	1607	36.7	12	5.69	.	.	.	.	.
1550	TAM 12J-39	1071	1636	37.9	11.9	6.27	.	.	.	.	.
.	LSD	136	199	2	0.6	0.55	.	.	.	.	.

vcode	VARIETY	Micro	Upper Half	Uniformity	Short	Elon	Hunters	Yarn				
									naire	Maturity	Mean	Index	Fiber	Strength	gation	RD	Plus b	Waste	Tenacity
1459	PHY 444WRF	4.15	0.85	1.28	85.6	6.5	32.7	7.4	77.9	7.6	7	65.4
1474	FM 2322GL	4.26	0.86	1.25	84.7	6.8	35.7	6.5	76.2	7.4	8	65.7
1483	FM 2334GLT	4.52	0.87	1.27	85.8	6.2	34.2	6.8	78.4	6.7	7	71.3
1503	FM 1830GLT	4.48	0.87	1.28	85.7	6.3	34	6.9	78.6	6.7	6	73.5
1516	DP 1646B2XF	4.52	0.86	1.28	85	6.5	31.6	7.9	77.7	6.9	8	63.4
1521	TAM BB-2139	4.12	0.86	1.39	85.6	5.4	34.6	6.7	77.5	7.1	8	74.7
1536	PHY 764WRF	4.13	0.85	1.22	85.5	6.8	36.2	7.5	76.4	7.6	8	73.8

1538	MON 16R341B3XF	4.17	0.85	1.32	85.4	5.8	33	8	78.5	6.6	8	77.8
1539	MON 16R346B3XF	4.45	0.85	1.31	85.5	5.8	31.5	8.4	78.1	6.9	8	63.4
1540	NM 13G1029	4.41	0.86	1.3	85.4	6.2	34.4	7.4	77	7	9	68.8
1541	NM 13G2019	4.39	0.86	1.27	85.7	6.2	33.7	7.8	76	7.1	7	67.4
1542	PHY 330W3FE	4.39	0.86	1.23	85	7.1	33.3	7.3	75.5	7.4	10	63.7
1543	PHY 450W3FE	4.64	0.86	1.19	85.6	6.8	33.7	8.1	76.2	7.4	8	65.2
1544	ARK 0921-58ne	4.42	0.86	1.26	85.4	6.4	34.2	7.8	76.7	7.3	8	62.5
1545	ARK 0912-41	4.81	0.86	1.28	86.4	6	33	7.9	76.7	7.5	7	63.7
1546	ARK 0908-52	4.71	0.86	1.28	84.7	6.3	30.8	7.6	77.5	6.9	6	65.2
1547	LA 11307012	4.9	0.87	1.26	85.1	6.6	31.3	7.5	74.6	7.8	7	57.9
1548	LA 11307105	4.52	0.86	1.26	85.9	6.4	33.8	7.8	77.1	7.4	7	69.2
1549	TAM 12I-72	4.62	0.87	1.25	85.6	6.5	36.4	7	76.1	7.5	7	68.2
1550	TAM 12J-39	4.75	0.87	1.23	86.3	6.1	38.1	7.2	74	8	8	74.0
.	LSD	0.31	0.01	0.04	0.9	0.6	1.6	0.5	1.9	0.5	3	8.1

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weighth	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1459	PHY 444WRF	0.92	1.1	18.7	6	1.31	173	3.9	0.98	190	9
1474	FM 2322GL	0.91	1.07	17.9	5.8	1.27	189	3	0.99	144	12
1483	FM 2334GLT	0.88	1.05	18.5	6.3	1.25	181	3.5	0.99	149	16
1503	FM 1830GLT	0.94	1.11	16.2	5	1.31	183	3.3	0.99	130	12
1516	DP 1646B2XF	0.92	1.07	15.8	5.1	1.27	182	2.8	1.02	128	12
1521	TAM BB-2139	1	1.22	18.2	5.3	1.47	175	3.5	1	192	20
1536	PHY 764WRF	0.94	1.09	14.2	4.5	1.28	182	2.6	1.02	142	14
1538	MON 16R341B3XF	0.96	1.11	13.3	4.1	1.29	197	2	1.05	104	9
1539	MON 16R346B3XF	0.9	1.07	19.2	6.4	1.27	189	3.1	1	156	13
1540	NM 13G1029	0.97	1.13	15.5	4.8	1.34	179	3	0.99	177	6
1541	NM 13G2019	0.92	1.09	17.8	5.7	1.3	176	3.5	0.99	180	11
1542	PHY 330W3FE	0.91	1.08	18.9	6	1.29	184	3.6	1	146	16
1543	PHY 450W3FE	0.93	1.09	15.9	4.9	1.28	177	3.1	1	142	13
1544	ARK 0921-58ne	0.94	1.1	15.6	4.8	1.3	177	3.1	1.01	135	15
1545	ARK 0912-41	0.98	1.13	14.1	4.2	1.33	181	2.3	1.04	119	11
1546	ARK 0908-52	0.93	1.09	15.8	5.1	1.3	173	2.7	1.03	167	17
1547	LA 11307012	0.93	1.06	13.2	4.3	1.23	188	2.3	1.03	137	24
1548	LA 11307105	1.01	1.22	17.9	5.2	1.49	167	3.2	1.01	181	11
1549	TAM 12I-72	1.02	1.21	15.4	4.4	1.45	173.7	3	1.01	167	19

1550	TAM 12J-39	0.97	1.13	14.7	4.5	1.33	173	2.7	1.02	134	16
.	LSD	0.04	0.05	2.3	1	0.06	8	0.5	0.02	40	7

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)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
JACKSON, TN	1540	2054	41.3	11.2	5.69	.	.	.	.	.
COLLEGE STATION, TX	1339	1834	41.4	9.7	4.6	.	.	.	.	.
LAS CRUCES, NM	1098	1680	39.6	.	6.34	.	.	.	.	.
LUBBOCK, TX	1063	1545	36.1	9.8	5.24	.	.	.	.	.
PORTAGEVILLE, MO	944	1845	33.7	10.9	.	.	.	.	.	.
STONEVILLE, MS	943	1456	39.2	11.1	6.2	.	.	.	.	.
KEISER, AR	706	889	43.6	10.4	4.75	.	.	.	.	.

LOCATION	Microaire	Seed Maturity	Upper Half Mean Length	Uniformity	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
JACKSON, TN	4.67	0.87	1.26	84.8	6.6	33.6	7.7	77.5	6.1	8	63.2
COLLEGE STATION, TX	4.52	0.87	1.28	86.4	5.1	33.6	6.9	79.4	7.2	7	74.4
LAS CRUCES, NM	.	.	.	.	.	.	.	.	.	.	.
LUBBOCK, TX	4.04	0.85	1.23	82.4	7.9	31.8	7.7	74.4	8.9	7	61.7
PORTAGEVILLE, MO	4.47	0.86	1.29	85.4	6.3	35.7	7.3	70.6	6.6	.	.
STONEVILLE, MS	4.25	0.85	1.31	87	5.9	35.8	7.4	79.4	7.6	9	71.8
KEISER, AR	4.86	0.87	1.3	86.9	6.3	32.4	7.9	79.7	6.9	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
JACKSON, TN	0.96	1.12	15.3	4.7	1.33	178	2.8	1	107	9
COLLEGE STATION, TX	0.84	0.99	19.9	7.2	1.18	174	4.1	0.95	182	10
LAS CRUCES, NM	.	.	.	.	.	.	.	.	.	.
LUBBOCK, TX	0.92	1.06	15	4.8	1.25	194	2.2	1.02	162	12
PORTAGEVILLE, MO	0.96	1.14	17.3	5.2	1.36	175	3.5	1.01	235	25
STONEVILLE, MS	0.94	1.11	17.2	5.4	1.32	181	2.9	1.02	107	12
KEISER, AR	0.99	1.16	14.5	4.3	1.37	182	2.6	1.03	119	13

REGIONAL HIGH QUALITY REGION – INDIVIDUAL LOCATION SUMMARIES

LOCATION: LUBBOCK, 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
1459	PHY 444WRF	1159	1637	36.9	10.3	5.39					
1474	FM 2322GL	1235	1627	39.2	10	5.88					
1483	FM 2334GLT	1205	1455	38.8	9.2	5.30					
1503	FM 1830GLT	1164	1534	38.8	9.25	5.42					
1516	DP 1646B2XF	1290	1526	39.3	8.3	4.58					
1521	TAM BB-2139	663	1180	32.6	10.65	5.44					
1536	PHY 764WRF	755	1181	34.6	10.2	4.44					
1538	MON 16R341B3XF	1178	1496	38.6	9.25	4.91					
1539	MON 16R346B3XF	1190	1728	35.5	8.9	5.14					
1540	NM 13G1029	1010	1355	37.3	9.15	5.12					
1541	NM 13G2019	876	1601	33.4	9.1	5.02					
1542	PHY 330W3FE	1113	1607	37.6	9.15	4.78					
1543	PHY 450W3FE	1169	1749	35.9	8.8	4.61					
1544	ARK 0921-58ne	807	1708	31.1	10.05	5.05					
1545	ARK 0912-41	1167	1710	35.7	11.1	5.93					
1546	ARK 0908-52	1148	1363	39.5	9.5	5.51					
1547	LA 11307012	1144	1635	36.2	10.6	5.94					
1548	LA 11307105	971	1787	34.3	10.15	5.61					
1549	TAM 12I-72	958	1506	33.8	10.55	5.10					
1550	TAM 12J-39	1062	1522	33.9	11.2	5.62					

LSD		167	241	1.7	0.607	0.51						
					Upper Half							
vcode	VARIETY	Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	3.62	0.84	1.23	81.8	9.05	30.7	7.25	73.5	9.45	5.58	54.4
1474	FM 2322GL	4.23	0.86	1.22	81.7	8.2	33.1	6.35	72.3	9.00	6.06	58.3
1483	FM 2334GLT	4.22	0.86	1.26	82.4	7.45	32.4	6.75	76.7	8.15	7.44	72.5
1503	FM 1830GLT	4.11	0.855	1.27	81.8	7.7	32.4	6.5	76.4	8.13	5.16	69.7
1516	DP 1646B2XF	4.19	0.845	1.27	81.9	7.65	29.8	8.1	75.8	8.95	5.61	52.2
1521	TAM BB-2139	3.27	0.835	1.36	81.2	5.75	33.2	6.55	75.0	8.78	7.30	69.1
1536	PHY 764WRF	3.69	0.84	1.17	82.2	8.4	35.2	7.65	73.0	9.25	7.38	60.1
1538	MON 16R341B3XF	3.97	0.845	1.27	82.2	7.5	30.7	8.2	78.3	8.10	5.63	66.5
1539	MON 16R346B3XF	4.02	0.84	1.29	82.4	6.75	29.0	8.45	76.8	8.33	6.20	55.2
1540	NM 13G1029	4.20	0.85	1.25	83.1	7.9	32.6	7.7	74.1	9.13	5.60	57.8
1541	NM 13G2019	3.70	0.84	1.23	83.1	8	32.0	8	74.8	8.93	6.78	62.7
1542	PHY 330W3FE	4.21	0.855	1.17	82.4	8.8	31.6	7.05	70.3	9.60	3.38	58.7
1543	PHY 450W3FE	4.02	0.84	1.14	82.5	8.6	32.3	8.5	74.0	9.05	6.97	57.6
1544	ARK 0921-58ne	3.42	0.83	1.22	81.1	8.75	31.8	8.1	75.4	8.55	9.51	64.3
1545	ARK 0912-41	4.47	0.855	1.24	83.3	7.35	31.0	8.25	73.4	9.30	6.31	60.3
1546	ARK 0908-52	4.50	0.85	1.24	82.0	8.05	28.2	8.3	78.5	8.33	4.97	56.2
1547	LA 11307012	4.68	0.86	1.23	82.0	8.65	29.4	8.15	69.2	10.25	7.14	56.8
1548	LA 11307105	4.03	0.84	1.21	83.1	8.2	30.7	8.95	73.0	9.38	8.05	61.1
1549	TAM 12I-72	4.03	0.85	1.22	83.8	7.65	34.1	7.3	73.5	8.98	7.83	66.7
1550	TAM 12J-39	4.17	0.85	1.19	84.8	7.3	35.0	7.85	73.9	9.45	7.72	74.0
	LSD	0.38	0.01	0.03	1.2	1.1	1.9	0.533	3.3	0.82	2.64	15.3

				Short Fiber Content	Short Fiber Content	UQL	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
vcode	VARIETY	Length Number	Length Weight	Number	Weight	Weight					
1459	PHY 444WRF	0.89	1.09	21.3	7.08	1.33	157	5.25	0.875	335	
1474	FM 2322GL	0.91	1.09	17.6	5.70	1.30	163	3.32	0.950	205	
1483	FM 2334GLT	0.915	1.10	18.8	6.14	1.33	164	3.79	0.925	225	
1503	FM 1830GLT	0.93	1.12	18.5	5.98	1.36	162	3.79	0.920	241	
1516	DP 1646B2XF	0.89	1.08	19.8	6.70	1.31	163	5.02	0.845	301	
1521	TAM BB-2139	0.895	1.14	24.4	8.02	1.43	142	6.99	0.870	512	
1536	PHY 764WRF	0.895	1.09	19.7	6.72	1.31	163	4.80	0.875	302	
1538	MON 16R341B3XF	0.895	1.11	22.3	7.58	1.37	165	5.32	0.865	305	
1539	MON 16R346B3XF	0.91	1.13	21.9	7.15	1.39	170	5.02	0.860	269	
1540	NM 13G1029	0.93	1.10	16.8	5.35	1.32	165	4.65	0.915	289	

1541	NM 13G2019	0.92	1.09	16.7	5.54	1.30	155	5.80	0.880	218
1542	PHY 330W3FE	0.86	1.03	19.9	6.84	1.23	173	4.15	0.905	279
1543	PHY 450W3FE	0.865	1.02	18.1	6.42	1.21	164	4.05	0.880	243
1544	ARK 0921-58ne	0.815	1.02	25.5	9.34	1.26	151	6.13	0.835	371
1545	ARK 0912-41	0.93	1.09	15.5	4.95	1.29	170	4.85	0.895	216
1546	ARK 0908-52	0.91	1.09	19.0	6.04	1.33	171	5.75	0.880	246
1547	LA 11307012	0.915	1.09	18.1	5.85	1.31	180	4.59	0.905	237
1548	LA 11307105	0.9	1.06	17.1	5.67	1.26	164	5.42	0.880	294
1549	TAM 12I-72	0.95	1.11	14.6	4.63	1.31	166	4.49	0.920	222
1550	TAM 12J-39	0.945	1.09	13.2	4.20	1.26	169	3.80	0.930	193
	LSD	0.033	0.03	2.1	0.65	0.04	7	0.56	0.016	63

LOCATION: COLLEGE STATION, TX

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Ling Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1459	PHY 444WRF	1352	1808	43.5	10.34	5.09					
1474	FM 2322GL	1182	1441	44.2	10.12	4.77					
1483	FM 2334GLT	1417	1899	42.3	9.17	4.69					
1503	FM 1830GLT	1462	1804	43.6	8.94	4.39					
1516	DP 1646B2XF	1648	2001	44.8	7.93	3.78					
1521	TAM BB-2139	1112	1864	36.2	11.5	4.24					
1536	PHY 764WRF	971	1332	39.6	10.1	3.99					
1538	MON 16R341B3XF	1595	1860	45.7	7.90	3.86					
1539	MON 16R346B3XF	1622	2042	44.4	8.25	4.80					
1540	NM 13G1029	1429	1802	41.7	8.93	4.11					
1541	NM 13G2019	1286	1992	38.4	9.54	4.48					
1542	PHY 330W3FE	1338	1831	42.9	8.52	3.82					
1543	PHY 450W3FE	1196	1986	37.5	9.34	4.55					
1544	ARK 0921-58ne	1354	2061	41.5	10.0	5.03					
1545	ARK 0912-41	1470	2183	41.5	10.5	5.09					
1546	ARK 0908-52	1425	1722	44.1	8.87	4.81					
1547	LA 11307012	1185	1729	39.9	10.5	5.78					
1548	LA 11307105	1302	1798	40.6	9.99	4.95					
1549	TAM 12I-72	1213	1800	37.1	11.6	4.27					
1550	TAM 12J-39	1220	1719	39.0	11.0	5.46					

LSD		175	607	4.6	0.79	1.18							
vcode	VARIETY	Micro naire	Maturity	Upper Half		Uniformity Index	Short Fiber	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity	
				Mean Length									
1459	PHY 444WRF	3.87	0.850	1.31		86.7	4.90	32.7	6.75	80.7	7.43	7.03	73.0
1474	FM 2322GL	4.52	0.875	1.24		85.4	5.35	35.6	5.9	78.0	7.75	7.77	76.8
1483	FM 2334GLT	4.52	0.870	1.26		86.3	5.45	33.8	6.05	80.4	6.50	6.87	73.6
1503	FM 1830GLT	4.54	0.875	1.29		86.6	5.20	34.5	6.05	81.6	6.43	5.74	80.0
1516	DP 1646B2XF	4.73	0.865	1.28		85.7	5.50	32.1	7.8	81.2	6.85	6.36	66.8
1521	TAM BB-2139	3.87	0.860	1.47		85.8	4.00	34.9	5.2	80.6	7.13	7.58	80.5
1536	PHY 764WRF	4.19	0.860	1.23		86.9	5.40	35.5	7.15	77.6	8.05	7.39	86.4
1538	MON 16R341B3XF	4.32	0.850	1.33		87.1	4.40	32.8	8.1	79.6	6.28	9.92	89.1
1539	MON 16R346B3XF	4.79	0.865	1.34		87.2	4.50	33.2	7.85	81.0	6.28	7.12	63.7
1540	NM 13G1029	4.50	0.865	1.32		86.3	4.60	32.7	7.05	80.3	7.33	6.74	80.0
1541	NM 13G2019	4.44	0.855	1.26		86.5	5.10	33.1	7.8	77.2	7.00	7.86	73.4
1542	PHY 330W3FE	4.37	0.865	1.22		86.2	6.05	32.7	6.45	78.8	7.18	11.23	65.7
1543	PHY 450W3FE	4.79	0.870	1.21		86.9	5.10	32.2	7.4	78.9	7.18	7.95	71.0
1544	ARK 0921-58ne	4.74	0.865	1.24		86.9	4.95	32.7	7.7	79.8	7.48	6.38	63.3
1545	ARK 0912-41	4.86	0.870	1.28		86.6	5.15	34.1	7.35	79.0	7.70	6.57	70.9
1546	ARK 0908-52	4.88	0.870	1.29		85.9	5.25	30.7	7	80.7	6.95	5.52	84.8
1547	LA 11307012	4.80	0.875	1.27		86.2	5.45	30.0	6.75	77.5	7.28	6.64	63.2
1548	LA 11307105	4.67	0.870	1.26		87.1	4.95	32.6	6.9	79.6	7.55	5.04	76.5
1549	TAM 12I-72	4.55	0.870	1.26		85.7	5.20	37.8	6.65	78.4	7.93	6.76	68.6
1550	TAM 12J-39	4.59	0.870	1.22		87.0	4.95	38.1	6.7	76.6	8.85	8.16	81.4
	LSD	0.47	0.010	0.07		1.8	0.69	2.5	0.842	2.6	0.78	3.55	20.2

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL		Immature Fiber	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weight	Weight	Fineness				
1459	PHY 444WRF	0.975	1.16	16.3	4.84	1.38	161	4.12	0.905	113	4.04
1474	FM 2322GL	0.945	1.10	13.9	4.37	1.29	160	2.77	0.965	103	4.04
1483	FM 2334GLT	0.975	1.13	12.9	3.92	1.33	163	2.75	0.950	84.5	4.04
1503	FM 1830GLT	1.02	1.18	12.9	3.65	1.38	168	2.50	0.960	82.5	4.04
1516	DP 1646B2XF	0.98	1.14	14.6	4.38	1.36	170	3.12	0.900	86.5	4.04
1521	TAM BB-2139	1.09	1.30	14.6	3.87	1.57	160	3.27	0.970	124	4.04
1536	PHY 764WRF	0.96	1.12	13.1	3.98	1.30	158	3.55	0.900	116	4.04
1538	MON 16R341B3XF	0.97	1.16	16.9	5.05	1.37	163	3.80	0.900	125	4.04
1539	MON 16R346B3XF	0.925	1.13	21.1	6.79	1.37	169	4.25	0.895	159	4.04
1540	NM 13G1029	0.97	1.14	14.9	4.45	1.35	167	3.14	0.965	91	4.04
1541	NM 13G2019	0.965	1.12	13.0	3.89	1.31	168	2.72	0.970	117.5	4.04
1542	PHY 330W3FE	0.935	1.10	16.0	5.04	1.29	170	3.35	0.930	78	4.04
1543	PHY 450W3FE	0.94	1.08	12.6	3.95	1.25	174	2.39	0.940	77.5	4.04
1544	ARK 0921-58ne	0.975	1.12	12.3	3.62	1.30	173	2.65	0.935	65.5	4.04
1545	ARK 0912-41	0.995	1.15	13.2	3.79	1.35	176	2.32	0.980	104	4.04
1546	ARK 0908-52	0.995	1.16	14.6	4.17	1.38	184	2.69	0.960	73	4.04
1547	LA 11307012	0.995	1.15	13.8	3.97	1.35	185	2.90	0.960	121	4.04
1548	LA 11307105	1	1.14	11.9	3.49	1.33	178	2.54	0.965	116.5	4.04
1549	TAM 12I-72	1.01	1.14	9.6	2.80	1.31	180	2.44	0.990	57.5	4.04
1550	TAM 12J-39	0.98	1.12	11.4	3.37	1.29	174	2.64	0.975	67.5	4.04
	LSD	0.117	0.09	11.2	5.07	0.07	6	1.67	0.027	141	5.68

LOCATION: STONEVILLE, MS

vcode	VARIETY	Lint	Seed	Lint Percent	Seed Index	Boll	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
		Yield (lb/a)	Yield (lb/a)			Size (g/boll)					
1459	PHY 444WRF	1034	1494	40.9	12.1	6.01					
1474	FM 2322GL	562	811	40.9	10.6	5.48					
1483	FM 2334GLT	942	1333	41.4	9.9	5.68					
1503	FM 1830GLT	863	1227	41.3	9.6	6.07					
1516	DP 1646B2XF	1034	1401	42.5	8.8	5.21					
1521	TAM BB-2139	396	1563	19.4	13.2	7.25					
1536	PHY 764WRF	534	882	37.7	12.2	5.81					
1538	MON 16R341B3XF	921	1215	43.1	8.8	4.60					
1539	MON 16R346B3XF	848	1146	42.5	8.8	4.45					

1540	NM 13G1029	966	1415	40.6	10.6	6.15
1541	NM 13G2019	897	1513	37.2	11.2	6.67
1542	PHY 330W3FE	1071	1472	42.1	10.0	5.06
1543	PHY 450W3FE	929	1330	41.1	11.0	5.45
1544	ARK 0921-58ne	1215	2050	37.2	11.7	7.02
1545	ARK 0912-41	1298	1997	39.4	12.9	7.49
1546	ARK 0908-52	1315	1824	41.9	10.7	6.52
1547	LA 11307012	1138	1737	39.6	12.7	7.08
1548	LA 11307105	1036	1639	38.7	12.1	7.08
1549	TAM 12I-72	810	1392	36.8	13.5	7.18
1550	TAM 12J-39	1056	1674	38.7	12.6	7.80
	LSD	156	199	5.3	0.6	0.21

Upper Half

vcode	VARIETY	Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	3.83	0.844	1.33	88.1	4.9	34.3	7.45	80.9	7.73	7.58	76.2
1474	FM 2322GL	3.70	0.848	1.25	84.6	5.35	37.1	6.64	78.5	7.53	13.68	69.2
1483	FM 2334GLT	4.39	0.861	1.31	88.7	5.45	35.3	7.07	81.1	6.80	9.00	64.6
1503	FM 1830GLT	4.34	0.860	1.32	87.4	5.2	34.5	7.02	81.8	6.88	7.19	76.5
1516	DP 1646B2XF	4.07	0.846	1.32	86.9	5.5	32.9	7.93	80.2	6.76	7.47	78.7
1521	TAM BB-2139	3.70	0.846	1.47	88.7	4	35.7	6.76	81.8	7.28	9.10	80.6
1536	PHY 764WRF	4.01	0.849	1.25	87.7	5.4	38.3	7.63	78.3	8.55	9.29	83.4
1538	MON 16R341B3XF	3.45	0.829	1.37	87.5	4.4	35.8	8.32	80.1	6.54	9.33	86.0
1539	MON 16R346B3XF	3.50	0.828	1.32	85.5	4.5	34.9	8.66	80.1	7.24	11.76	75.7
1540	NM 13G1029	4.37	0.859	1.29	86.4	4.6	35.9	7.29	80.2	7.12	14.20	71.0
1541	NM 13G2019	4.36	0.857	1.32	87.2	5.1	35.7	7.48	79.2	7.80	7.44	75.3
1542	PHY 330W3FE	3.87	0.850	1.27	85.4	6.05	37.1	6.99	80.3	7.81	9.81	66.4
1543	PHY 450W3FE	4.61	0.860	1.21	87.4	5.1	37.0	8.14	76.9	7.50	10.32	67.8
1544	ARK 0921-58ne	4.28	0.853	1.31	87.1	4.95	34.8	7.81	80.9	8.16	7.78	66.9
1545	ARK 0912-41	4.73	0.862	1.32	88.2	5.15	33.8	7.93	78.1	7.65	9.04	55.9
1546	ARK 0908-52	4.72	0.864	1.31	84.4	5.25	31.6	7.53	78.9	7.96	8.81	60.2
1547	LA 11307012	5.03	0.874	1.31	86.1	5.45	34.8	7.35	76.2	8.73	7.79	56.0
1548	LA 11307105	4.61	0.863	1.28	86.8	4.95	35.9	7.50	80.9	7.97	7.35	79.2
1549	TAM 12I-72	4.61	0.869	1.29	87.3	5.2	37.8	6.86	77.1	7.78	8.49	73.4
1550	TAM 12J-39	4.78	0.875	1.27	87.9	4.95	42.4	6.83	76.0	8.62	8.14	73.6
	LSD	0.35	0.011	0.04	1.8	0.994	2.4	0.24	3.0	0.57		

vcode	VARIETY	Length	Length	Short	Short	UQL	Fineness	Immature	Maturity	Nep	SCN
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		Number	Weight	Fiber Content Number	Fiber Content Weight	Weight		Fiber	Ratio	Count	Count
1459	PHY 444WRF	0.885	1.11	25.1	8.29	1.36	147	7.22	0.835	291	12.5
1474	FM 2322GL	0.855	1.07	24.0	8.32	1.31	136	6.87	0.855	238	23.5
1483	FM 2334GLT	0.935	1.12	18.9	6.00	1.35	155	4.72	0.885	190	22
1503	FM 1830GLT	0.965	1.16	18.0	5.39	1.39	162	4.10	0.905	126	17
1516	DP 1646B2XF	0.955	1.16	19.8	6.17	1.41	151	5.65	0.845	132	10.5
1521	TAM BB-2139	0.965	1.22	23.0	6.90	1.52	141	7.35	0.825	185	18
1536	PHY 764WRF	0.945	1.12	16.4	5.14	1.32	157	4.27	0.885	134	23.5
1538	MON 16R341B3XF	0.855	1.11	28.8	9.67	1.40	142	8.05	0.805	285	18
1539	MON 16R346B3XF	0.85	1.11	29.2	9.62	1.40	145	8.10	0.81	289	20
1540	NM 13G1029	0.955	1.15	17.3	5.27	1.38	158	5.04	0.855	114	20
1541	NM 13G2019	1.01	1.18	13.8	3.98	1.39	153	4.42	0.855	100	14
1542	PHY 330W3FE	0.875	1.09	23.6	7.85	1.33	150	6.84	0.845	172	16.5
1543	PHY 450W3FE	0.93	1.09	15.8	4.93	1.27	164	4.03	0.89	115	16.5
1544	ARK 0921-58ne	0.96	1.15	17.6	5.20	1.38	159	4.78	0.87	118	15.5
1545	ARK 0912-41	0.975	1.17	17.5	5.17	1.40	163	4.42	0.875	105	9.5
1546	ARK 0908-52	0.97	1.17	18.5	5.54	1.41	163	5.17	0.855	116	10.5
1547	LA 11307012	0.945	1.14	19.1	5.80	1.37	177	4.20	0.905	143	20
1548	LA 11307105	0.99	1.15	14.4	4.20	1.36	166	3.84	0.9	114	7
1549	TAM 12I-72	0.96	1.14	17.1	5.19	1.35	176	4.30	0.915	133	20
1550	TAM 12J-39	0.915	1.10	19.5	6.08	1.31	163	5.25	0.87	161	20
	LSD	0.056	0.05	4.0	1.65	0.05	6	0.78	0.019	40	11.7

LOCATION: JACKSON, TN

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
1459	PHY 444WRF	1497	2381	39.7		5.68					
1474	FM 2322GL	1454	1848	42.3		5.88					
1483	FM 2334GLT	1599	1921	43.6		5.73					
1503	FM 1830GLT	1395	1536	43.0		5.68					
1516	DP 1646B2XF	1722	2146	43.2		5.37					
1521	TAM BB-2139	1443	2111	38.6		5.71					
1536	PHY 764WRF	1391	1841	41.0		5.80					
1538	MON 16R341B3XF	1655	1889	43.8		6.33					
1539	MON 16R346B3XF	1800	2039	44.3		5.55					
1540	NM 13G1029	1399	2074	39.3		4.54					
1541	NM 13G2019	1574	1840	42.9		5.26					
1542	PHY 330W3FE	1661	2099	43.8		5.49					

1543	PHY 450W3FE	1137	1509	40.0	5.09
1544	ARK 0921-58ne	1458	1993	39.2	5.52
1545	ARK 0912-41	1618	2530	39.0	6.48
1546	ARK 0908-52	1618	2134	41.9	5.84
1547	LA 11307012	1733	2400	42.0	6.00
1548	LA 11307105	1627	2200	42.2	5.46
1549	TAM 12I-72	1479	2236	38.8	5.63
1550	TAM 12J-39	1542	2355	38.1	6.81
	LSD	221	522	2.0	0.96

Upper
Half

vcode	VARIETY	Micro naire	Maturity	Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	4.40	0.865	1.29	85.6	6.3	33.1	7.2	79.8	6.80	6.53	58.1
1474	FM 2322GL	4.32	0.865	1.25	84.3	7.05	36.1	6.35	77.0	6.05	6.19	58.6
1483	FM 2334GLT	4.61	0.87	1.28	84.5	6.2	33.4	6.5	80.0	5.68	3.74	74.8
1503	FM 1830GLT	4.42	0.865	1.26	84.1	7.35	33.9	6.9	80.9	6.08	6.24	68.2
1516	DP 1646B2XF	4.72	0.865	1.26	83.3	7.4	29.8	7.8	77.5	5.75	11.87	55.9
1521	TAM BB-2139	4.47	0.865	1.38	85.2	5.75	33.6	6.9	78.0	6.00	7.16	68.7
1536	PHY 764WRF	4.27	0.85	1.20	84.9	6.7	36.5	7.95	76.7	6.23	9.38	65.6
1538	MON 16R341B3XF	4.35	0.85	1.36	85.4	5.1	30.6	8.45	80.7	5.63	6.66	70.0
1539	MON 16R346B3XF	4.79	0.855	1.31	85.6	5.85	29.1	8.95	78.9	5.55	7.92	59.3
1540	NM 13G1029	4.69	0.865	1.26	84.5	6.55	36.1	7.7	77.2	5.90	8.83	66.7
1541	NM 13G2019	4.54	0.865	1.24	84.5	6.7	35.5	7.8	78.6	5.93	6.45	58.4
1542	PHY 330W3FE	4.86	0.865	1.20	84.9	7.15	34.1	7.8	75.3	6.50	17.22	64.3
1543	PHY 450W3FE	4.89	0.86	1.12	84.6	7.45	33.1	8.65	77.0	7.10	6.64	64.6
1544	ARK 0921-58ne	4.59	0.8677	1.24	84.2	7	32.1	7.7	76.7	6.06	8.41	56.9
1545	ARK 0912-41	5.09	0.865	1.28	86.2	5.7	32.4	8.5	78.3	6.40	7.45	67.8
1546	ARK 0908-52	4.83	0.87	1.26	83.7	7	30.3	7.65	76.4	5.45	6.47	59.9
1547	LA 11307012	5.03	0.875	1.26	84.6	6.85	30.0	7.9	73.8	6.53	7.59	55.7
1548	LA 11307105	4.63	0.86	1.25	84.7	6.85	33.5	8.1	77.1	6.30	7.55	60.4
1549	TAM 12I-72	4.79	0.875	1.25	85.7	6.25	37.5	7	77.5	6.55	5.08	64.1
1550	TAM 12J-39	5.05	0.88	1.20	86.1	6.05	39.9	7.2	72.9	6.35	8.40	67.3
	LSD	0.37	0.011	0.10	1.5	1.22	3.4	1.19	2.3	0.69	8.75	16.4

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weight						
1459	PHY 444WRF	1.01	1.16	13.0	3.80	1.36	165	3.77	0.87	143	9.5
1474	FM 2322GL	0.99	1.15	12.4	3.62	1.33	158	3.28	0.905	115	10
1483	FM 2334GLT	1.01	1.16	12.5	3.80	1.36	164	3.07	0.905	111	7
1503	FM 1830GLT	0.90	1.08	18.7	6.17	1.30	171	4.62	0.855	149	7.5
1516	DP 1646B2XF	0.87	1.07	22.3	7.54	1.31	177	6.18	0.81	224	10
1521	TAM BB-2139	1.02	1.21	15.6	4.43	1.45	160	4.24	0.875	166	14
1536	PHY 764WRF	0.88	1.03	17.2	5.82	1.23	171	5.00	0.84	145	16.5
1538	MON 16R341B3XF	0.92	1.12	20.0	6.30	1.37	168	6.10	0.8	183	8
1539	MON 16R346B3XF	0.92	1.10	19.6	6.20	1.34	174	5.87	0.805	179	9
1540	NM 13G1029	0.99	1.14	13.3	3.97	1.34	160	3.62	0.88	175	14
1541	NM 13G2019	0.95	1.11	15.1	4.57	1.32	161	3.84	0.875	126	6.5
1542	PHY 330W3FE	0.98	1.11	12.9	3.89	1.28	172	3.32	0.895	77	6.5
1543	PHY 450W3FE	0.93	1.05	11.4	3.62	1.20	172	3.20	0.875	113	8
1544	ARK 0921-58ne	0.91	1.07	15.8	5.07	1.27	166	4.79	0.8467	135	18
1545	ARK 0912-41	1.02	1.16	11.0	3.12	1.35	174	3.00	0.885	120	11.5
1546	ARK 0908-52	0.95	1.13	16.8	5.20	1.35	173	4.34	0.86	114	8
1547	LA 11307012	1.00	1.15	13.1	3.75	1.34	185	3.37	0.885	129	10
1548	LA 11307105	0.98	1.11	12.7	3.82	1.30	169	4.00	0.855	123	9.5
1549	TAM 12I-72	1.00	1.13	11.3	3.29	1.31	174	2.84	0.915	88	8
1550	TAM 12J-39	0.98	1.11	11.0	3.20	1.28	178	2.24	0.93	107	7.5
	LSD	0.06	0.05	4.5	1.77	0.05	8	0.87	0.027	76	10.4

LOCATION: PORTAGEVILLE, MO

vcode	VARIETY	Lint	Seed	Lint Percent	Seed Index	Boll	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
		Yield (lb/a)	Yield (lb/a)			Size (g/boll)					
1459	PHY 444WRF	1135	2061	35.5	11.7						
1474	FM 2322GL	817	1495	34.9	11.1						
1483	FM 2334GLT	1000	1885	34.8	9.3						
1503	FM 1830GLT	1010	1904	34.7	10.5						
1516	DP 1646B2XF	1088	1799	37.7	9.3						
1521	TAM BB-2139	670	1653	28.8	12.2						
1536	PHY 764WRF	806	1638	32.9	11.6						
1538	MON 16R341B3XF	1106	1872	37.1	8.6						
1539	MON 16R346B3XF	1093	1886	36.7	9.4						
1540	NM 13G1029	860	1718	33.3	10.6						
1541	NM 13G2019	793	1737	31.2	11.1						
1542	PHY 330W3FE	1198	2103	36.2	9.9						

1543	PHY 450W3FE	1150	2148	34.7	10.3
1544	ARK 0921-58ne	793	1903	29.4	11.2
1545	ARK 0912-41	966	2023	32.3	12.7
1546	ARK 0908-52	843	1547	35.5	10.6
1547	LA 11307012	1009	2018	33.3	12.6
1548	LA 11307105	923	1910	32.5	12.1
1549	TAM 12I-72	802	1881	29.7	11.8
1550	TAM 12J-39	813	1727	31.9	11.2
	LSD	140	237	1.5	0.8

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1459	PHY 444WRF	4.77	0.865	1.23	84.2	7.45	33.8	8.25	71.9	7.13		
1474	FM 2322GL	4.31	0.865	1.27	86.0	6.4	38.2	7.15	71.1	6.58		
1483	FM 2334GLT	4.62	0.87	1.25	86.0	6.45	38.3	7.25	70.3	7.03		
1503	FM 1830GLT	4.58	0.865	1.27	87.1	6.25	35.6	7.35	68.7	6.70		
1516	DP 1646B2XF	4.60	0.865	1.27	86.3	6.35	36.1	7.45	69.9	6.33		
1521	TAM BB-2139	4.98	0.87	1.24	85.8	6.5	37.2	7.8	68.6	6.85		
1536	PHY 764WRF	4.17	0.86	1.27	84.7	7.1	35.7	6.7	73.8	6.18		
1538	MON 16R341B3XF	4.44	0.87	1.34	84.0	6.25	36.8	6.05	70.6	7.03		
1539	MON 16R346B3XF	4.99	0.87	1.30	85.0	6.35	33.3	7.5	68.5	7.30		
1540	NM 13G1029	3.95	0.85	1.41	85.5	5.5	35.5	7	71.9	6.38		
1541	NM 13G2019	4.59	0.865	1.30	85.5	5.95	33.5	7.65	67.1	6.38		
1542	PHY 330W3FE	4.02	0.845	1.33	85.6	5.85	33.5	7.85	68.9	6.15		
1543	PHY 450W3FE	4.12	0.85	1.32	85.8	5.85	34.8	7.6	72.7	6.20		
1544	ARK 0921-58ne	4.53	0.865	1.27	85.7	5.9	40.3	7.2	68.1	6.48		
1545	ARK 0912-41	4.45	0.86	1.30	86.2	6.1	34.2	6.95	72.3	6.93		
1546	ARK 0908-52	4.30	0.86	1.32	85.3	5.75	35.7	7.25	69.7	5.95		
1547	LA 11307012	4.46	0.86	1.26	85.2	6.75	33.2	7.2	73.6	6.45		
1548	LA 11307105	4.31	0.865	1.28	85.9	6.15	37.3	7.2	72.5	6.50		
1549	TAM 12I-72	4.70	0.875	1.25	84.1	7.95	35.9	6.95	71.8	6.73		
1550	TAM 12J-39	4.53	0.865	1.32	85.1	5.8	34.1	7.35	69.8	6.75		
	LSD	0.63	0.02	0.12	2.7	1.75	5.3	1.98	5.5	1.01		

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
				Content Number	Content Weight						
1459	PHY 444WRF	0.955	1.12	15.7	4.80	1.33	175	3.80	0.9	99	11
1474	FM 2322GL	0.995	1.16	13.6	4.00	1.36	168	3.49	0.91	117	25
1483	FM 2334GLT	0.96	1.13	14.5	4.52	1.32	172	3.59	0.925	151	17
1503	FM 1830GLT	0.955	1.12	15.6	4.80	1.32	173	3.93	0.915	101	11.5
1516	DP 1646B2XF	0.93	1.12	18.9	6.07	1.34	171	4.89	0.905	160	17
1521	TAM BB-2139	0.975	1.12	13.9	4.27	1.31	183	2.12	0.985	97	19
1536	PHY 764WRF	0.945	1.13	17.6	5.55	1.37	158	4.82	0.9	174	19
1538	MON 16R341B3XF	0.955	1.17	19.7	6.09	1.43	160	4.48	0.925	219	27.5
1539	MON 16R346B3XF	0.98	1.16	16.1	4.85	1.37	177	3.75	0.915	154	19
1540	NM 13G1029	1.03	1.24	16.8	4.85	1.51	166	3.20	0.93	116	14
1541	NM 13G2019	0.995	1.17	15.1	4.44	1.39	181	2.77	0.95	89	15
1542	PHY 330W3FE	0.95	1.16	19.2	6.04	1.40	157	5.70	0.865	119	18
1543	PHY 450W3FE	0.945	1.15	19.3	6.10	1.40	157	5.90	0.86	193	20
1544	ARK 0921-58ne	0.955	1.13	15.8	4.75	1.33	167	3.97	0.91	123	22
1545	ARK 0912-41	0.97	1.17	18.2	5.48	1.40	170	4.73	0.905	131	16
1546	ARK 0908-52	0.935	1.13	19.3	6.10	1.37	162	5.34	0.885	176	25.5
1547	LA 11307012	0.955	1.14	17.8	5.55	1.37	161	5.20	0.875	143	19
1548	LA 11307105	0.95	1.12	16.1	4.99	1.33	162	4.77	0.885	153	12
1549	TAM 12I-72	0.945	1.13	17.5	5.55	1.35	176	2.84	0.955	148	16.5
1550	TAM 12J-39	0.99	1.16	15.6	4.73	1.39	186	2.70	0.96	118	10.5
	LSD	0.032	0.03	2.7	0.96	0.04	8	0.68	0.023	61	13.9

LOCATION: LAS CRUCES, NM

vcode	VARIETY	Lint	Seed	Lint Percent	Seed Index	Boll	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
		Yield (lb/a)	Yield (lb/a)			Size (g/boll)					
1459	PHY 444WRF	1141	2061	40.7		6.25					
1474	FM 2322GL	860	1495	44.0		7.74					
1483	FM 2334GLT	968	1885	40.4		6.02					
1503	FM 1830GLT	1029	1904	41.5		6.45					
1516	DP 1646B2XF	1141	1799	40.5		5.25					
1521	TAM BB-2139	1098	1653	35.5		5.80					
1536	PHY 764WRF	926	1638	38.5		6.27					
1538	MON 16R341B3XF	1143	1872	40.3		6.11					
1539	MON 16R346B3XF	1215	1886	39.8		5.67					
1540	NM 13G1029	1164	1718	39.2		6.43					

vcodes	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1459	PHY 444WRF										
1474	FM 2322GL										
1483	FM 2334GLT										
1503	FM 1830GLT										
1516	DP 1646B2XF										
1521	TAM BB-2139										
1536	PHY 764WRF										
1538	MON 16R341B3XF										
1539	MON 16R346B3XF										
1540	NM 13G1029										
1541	NM 13G2019										
1542	PHY 330W3FE										
1543	PHY 450W3FE										
1544	ARK 0921-58ne										
1545	ARK 0912-41										
1546	ARK 0908-52										
1547	LA 11307012										
1548	LA 11307105										
1549	TAM 12I-72										
1550	TAM 12J-39										
	LSD										

LOCATION: KEISER, AR

vcodes	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
1459	PHY 444WRF	847	1058	45.4	10.97	5.03					
1474	FM 2322GL	472	559	44.9	10.09	4.94					
1483	FM 2334GLT	631	669	44.2	9.69	4.77					
1503	FM 1830GLT	763	819	44.9	10.13	4.71					
1516	DP 1646B2XF	839	1106	45.7	8.54	3.63					
1521	TAM BB-2139	486	596	39.7	12.69	5.18					
1536	PHY 764WRF	496	713	42.0	11.25	4.99					
1538	MON 16R341B3XF	697	853	44.6	8.94	3.63					
1539	MON 16R346B3XF	809	956	43.2	8.97	4.00					
1540	NM 13G1029	564	713	43.4	9.89	4.40					
1541	NM 13G2019	725	1009	41.7	10.57	4.66					

1542	PHY 330W3FE	906	1017	46.1	8.88	4.73
1543	PHY 450W3FE	731	793	45.1	9.68	4.32
1544	ARK 0921-58ne	814	1275	41.0	10.93	4.89
1545	ARK 0912-41	787	1058	43.9	11.70	5.17
1546	ARK 0908-52	827	889	44.6	10.39	5.31
1547	LA 11307012	766	986	43.9	10.94	5.54
1548	LA 11307105	751	1320	42.0	11.02	5.33
1549	TAM 12I-72	583	725	41.6	12.05	4.89
1550	TAM 12J-39	624	667	44.1	11.47	4.84
	LSD	185	249	0.8	0.44	1.14

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1459	PHY 444WRF	4.40	0.856	1.29	87.1	6.02	31.5	7.55	80.5	7.04		
1474	FM 2322GL	4.49	0.864	1.27	85.9	6.74	33.6	6.86	80.0	7.47		
1483	FM 2334GLT	4.78	0.867	1.26	87.0	6.23	31.7	7.32	81.7	6.38		
1503	FM 1830GLT	4.87	0.869	1.27	87.1	6.12	32.9	7.40	82.2	6.37		
1516	DP 1646B2XF	4.82	0.859	1.26	86.0	6.87	28.8	8.48	81.5	6.72		
1521	TAM BB-2139	4.42	0.861	1.41	87.0	5.11	32.8	7.05	80.9	6.82		
1536	PHY 764WRF	4.48	0.856	1.23	86.6	6.93	35.7	8.05	78.7	7.29		
1538	MON 16R341B3XF	4.51	0.850	1.27	86.0	6.54	31.1	8.82	81.7	6.01		
1539	MON 16R346B3XF	4.63	0.850	1.31	87.3	5.64	29.4	9.08	83.5	6.66		
1540	NM 13G1029	4.76	0.863	1.27	86.5	6.36	33.3	7.87	78.4	6.64		
1541	NM 13G2019	4.69	0.860	1.27	87.2	6.14	32.4	8.11	78.7	6.50		
1542	PHY 330W3FE	4.99	0.871	1.18	85.8	7.52	30.8	7.50	79.2	7.43		
1543	PHY 450W3FE	5.41	0.875	1.14	86.5	6.88	32.9	8.43	77.4	7.56		
1544	ARK 0921-58ne	4.90	0.862	1.28	87.4	5.91	32.9	8.45	79.4	7.19		
1545	ARK 0912-41	5.26	0.869	1.25	88.3	6.09	32.6	8.73	79.3	7.03		
1546	ARK 0908-52	5.04	0.866	1.28	86.8	6.16	28.5	8.24	80.7	7.00		
1547	LA 11307012	5.38	0.877	1.26	86.7	6.41	30.1	7.83	77.0	7.62		
1548	LA 11307105	4.88	0.863	1.26	87.6	6.41	32.4	8.34	79.4	6.73		
1549	TAM 12I-72	5.03	0.875	1.25	87.3	6.15	35.1	7.24	77.9	7.03		
1550	TAM 12J-39	5.41	0.885	1.18	87.0	6.39	38.8	7.32	74.9	8.13		
	LSD	0.22	0.009	0.04	1.3	0.80	2.1	0.32	2.0	0.65		

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1459	PHY 444WRF	0.985	1.16	14.7	4.42	1.37	171	3.57	0.910	80	7.5
1474	FM 2322GL	0.940	1.10	14.8	4.79	1.30	164	3.00	0.940	108	14
1483	FM 2334GLT	1.005	1.15	12.1	3.64	1.35	174	2.34	0.960	73	5
1503	FM 1830GLT	0.945	1.11	15.9	5.03	1.33	174	2.94	0.945	128	8.5
1516	DP 1646B2XF	0.900	1.08	19.0	6.25	1.30	173	4.24	0.880	125	5.5
1521	TAM BB-2139	1.060	1.27	15.9	4.47	1.54	161	3.42	0.930	77	11.5
1536	PHY 764WRF	0.925	1.08	15.0	4.90	1.28	170	3.85	0.905	122	17.5
1538	MON 16R341B3XF	0.875	1.07	21.4	7.05	1.30	167	4.72	0.875	159	11.5
1539	MON 16R346B3XF	0.900	1.09	19.9	6.44	1.31	171	4.33	0.870	128	5.5
1540	NM 13G1029	0.965	1.12	14.5	4.54	1.32	173	2.88	0.925	92	10.5
1541	NM 13G2019	0.965	1.12	14.2	4.42	1.32	176	3.00	0.930	112	10.5
1542	PHY 330W3FE	0.900	1.06	16.9	5.59	1.25	181	2.90	0.940	97	9
1543	PHY 450W3FE	0.910	1.05	14.4	4.72	1.21	192	2.23	0.955	95	12
1544	ARK 0921-58ne	0.990	1.15	14.7	4.39	1.36	183	2.94	0.940	61	6
1545	ARK 0912-41	1.000	1.15	12.0	3.52	1.33	186	2.25	0.955	64	8
1546	ARK 0908-52	0.990	1.15	14.6	4.39	1.36	188	2.87	0.930	67	3
1547	LA 11307012	1.015	1.17	12.6	3.64	1.37	199	2.12	0.975	61	9
1548	LA 11307105	1.005	1.15	11.5	3.37	1.34	183	2.54	0.940	61	5.5
1549	TAM 12I-72	0.990	1.13	11.7	3.65	1.31	182	2.45	0.955	66	10
1550	TAM 12J-39	0.960	1.08	11.0	3.42	1.25	195	1.64	0.990	54	11.5
	LSD	0.073	0.06	3.8	1.28	0.06	10	1.49	0.034	72	10.2



2017 National Cotton Variety Test

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

BLACKLANDS REGION

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

**2017 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR BLACKLANDS BY VARIETIES**

vcode	VARIETY	Lint	Seed			Boll					
		Yield (lb/a)	Yield (lb/a)	Lint Percent	Seed Index	Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	531	657	45.5	8.7	4.44	19.5	3.57	0.64	0.36	1
1497	PHY 312WRF	569	808	44.6	9.5	4.61	.	.	.	.	.
1503	FM 1830GLT	598	773	45.6	8.6	4.25	.	.	.	.	.
1516	DP 1646B2XF	600	691	46	7.7	4.09	17.5	3.75	0.54	0.38	0.92
1535	NG 4545B2XF	479	635	42.4	8.6	4.62	19.9	3.54	0.71	0.6	1.31
1536	PHY 764WRF	428	592	42.8	10	4.2	20.4	3.92	0.47	0.32	0.78
1537	DP 1522B2XF	467	615	43.7	8.7	4.19	.	.	.	.	.
1551	DG 3385B2XF	525	670	44.6	8.7	4.53	.	.	.	.	.
1552	NG 4601B2XF	530	592	45.3	9	4.5	.	.	.	.	.
.	LSD	153	291	2	0.7	0.35	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1404	PHY 499WRF	4.96	0.86	1.09	85	4.3	32.2	8.7	74.6	8.3	8	82.8
1497	PHY 312WRF	4.98	0.88	1.13	85.1	6.5	30.9	7.2	74.5	8.8	.	.
1503	FM 1830GLT	4.84	0.88	1.16	84.7	6.4	32.1	6.3	76.7	7.6	.	.
1516	DP 1646B2XF	5.04	0.87	1.16	83.3	7.6	30.4	8	75.4	8.1	11	74.3
1535	NG 4545B2XF	4.76	0.88	1.09	83.2	7.9	29.9	5.8	73.4	8.9	8	88.2
1536	PHY 764WRF	4.36	0.86	1.15	84.5	6.5	35.9	7.5	74	6.5	8	88.2
1537	DP 1522B2XF	5.2	0.87	1.09	83.6	7	30.6	8.8	74.8	8.6	.	.
1551	DG 3385B2XF	5.06	0.87	1.09	84.8	6.5	29.8	8.4	73.2	8.9	.	.
1552	NG 4601B2XF	5.31	0.88	1.12	84	6.7	33.3	7.5	75.7	8.1	.	.
.	LSD	0.44	0.01	0.06	1.8	2.2	3.1	0.5	2	2.3	6	21.8

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.99	1.14	13.5	4.1	1.35	161	3.3	0.98	144	12
1497	PHY 312WRF	0.91	1.14	21.5	6.7	1.38	165	3.8	0.99	237	14
1503	FM 1830GLT	0.99	1.19	18	5.1	1.43	167	3.4	1.01	161	11
1516	DP 1646B2XF	0.99	1.15	13.5	4	1.36	187	2.4	1.02	97	9
1535	NG 4545B2XF	0.91	1.09	18.8	5.9	1.31	176	3.1	1.02	128	14
1536	PHY 764WRF	0.9	1.06	17.3	5.6	1.25	177	3.3	1	131	9
1537	DP 1522B2XF	0.96	1.16	19.3	5.6	1.42	169	3.2	0.99	195	10
1551	DG 3385B2XF	0.92	1.09	18.3	5.8	1.3	175	3.1	1.01	217	11
1552	NG 4601B2XF	0.93	1.1	17.5	5.4	1.3	166	3.8	0.98	188	9
.	LSD	0.08	0.13	7.3	2.2	0.21	25	1.5	0.06	177	17

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
COMMERCE, TX	662	847	43.1	9.8	5.05	.	.	.	.	.
THRALL, TX	389	493	46	7.9	3.71	19.34	3.69	0.59	0.41	1

LOCATION	Micro naire	Upper Half Mean Maturity	Length	Uniformity	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
COMMERCE, TX	5.37	0.88	1.144	84.8	5.9	32.9	8	76.2	8.1	9	81.93
THRALL, TX	4.52	0.86	1.093	83.6	7.3	30.4	7.1	73.1	8.3	9	84.88

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber	Maturity	Nep Count	SCN Count
COMMERCE, TX	0.95	1.13	16.5	5	1.34	175.5	3.5	0.98	138	8
THRALL, TX	0.93	1.13	18.6	5.7	1.35	167.6	2.9	1.02	196	14

BLACKLANDS REGION – INDIVIDUAL LOCATION SUMMARIES

LOCATION: THRALL, TX

vcode	VARIETY	Lint	Seed			Boll			Plus	Minus	Free
		Yield (lb/a)	Yield (lb/a)	Lint Percent	Seed Index	Size (g/boll)	Oil	Nitr ogen	Gossypol	Gossypol	Gossypol
1404	PHY 499WRF	400	514	47.6	7.76	3.65	19.6	3.58	0.64	0.36	1.00
1497	PHY 312WRF	406	617	45.8	8.44	3.93					
1503	FM 1830GLT	429	506	46.3	7.94	3.81					
1516	DP 1646B2XF	418	582	46.9	6.99	3.52	17.5	3.75	0.54	0.38	0.92
1535	NG 4545B2XF	303	392	44.1	7.47	3.92	20.0	3.55	0.71	0.595	1.31
1536	PHY 764WRF	266	309	44.5	8.73	3.46	20.5	3.93	0.465	0.315	0.78
1537	DP 1522B2XF	355	397	45.9	7.52	3.46					
1551	DG 3385B2XF	481	668	45.4	7.86	3.78					
1552	NG 4601B2XF	442	455	47.4	8.17	3.86					
	LSD	165	340	1.5	0.66	0.51	3.1	0.37	0.202	0.087	0.29

vcode	VARIETY	Micro naire	Maturity	Upper Half		Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index							
1404	PHY 499WRF	4.62	0.855	1.05	83.5	8.50	31.5	8	75.0	8.35	9.32	80.4
1497	PHY 312WRF	4.56	0.865	1.10	84.6	7.25	30.2	6.85	75.9	9.43		
1503	FM 1830GLT	4.39	0.865	1.14	83.4	7.70	29.8	5.8	78.5	7.80		
1516	DP 1646B2XF	4.71	0.86	1.13	82.8	8.15	28.9	7.7	76.6	8.38	8.97	81.6
1535	NG 4545B2XF	4.28	0.87	1.05	82.4	9.10	26.7	5.35	76.0	9.40	8.96	84.6
1536	PHY 764WRF	4.09	0.85	1.14	84.0	7.45	34.8	7.15	76.0	9.60	9.04	93.0
1537	DP 1522B2XF	4.64	0.855	1.07	83.2	8.40	30.2	8.15	75.7	8.75		
1551	DG 3385B2XF	4.38	0.85	1.10	84.8	7.10	29.6	8.05	74.7	9.38		
1552	NG 4601B2XF	5.03	0.875	1.07	84.2	7.15	32.2	7.15	77.7	8.55		
	LSD	0.37	0.012	0.05	2.3	4.14	3.9	0.496	3.4	4.71	5.67	12.5

vcode	VARIETY	Length	Length	Short	Short	UQL	Fineness	Immature	Maturity	Nep	SCN
		Number	Weight	Fiber	Fiber	Weight		Fiber	Ratio	Count	Count
1404	PHY 499WRF	0.825	0.950	16.5	5.92	1.10	166	4.19	0.975	88.5	10
1497	PHY 312WRF	0.885	1.000	13.3	4.45	1.15	175	3.32	0.925	64	8.5
1503	FM 1830GLT	0.855	1.005	18.0	6.22	1.19	161	4.24	0.955	87.5	7
1516	DP 1646B2XF	0.820	0.980	20.6	7.50	1.17	164	4.82	0.92	117	7.5
1535	NG 4545B2XF	0.810	0.945	18.3	6.72	1.11	167	4.25	0.94	81	9.5
1536	PHY 764WRF	0.825	0.970	19.3	6.99	1.15	157	5.34	0.91	126	16
1537	DP 1522B2XF	0.840	0.965	15.4	5.49	1.12	172	4.03	0.93	83.5	6.5
1551	DG 3385B2XF	0.820	0.955	18.2	6.64	1.12	180	5.30	0.92	100	6.5
1552	NG 4601B2XF	0.785	0.925	21.8	8.24	1.11	186	4.32	0.935	95	15
	LSD	0.076	0.053	6.0	2.25	0.05	9	0.85	0.024	139.7	13.3

LOCATION: COMMERCE, TX

vcode	VARIETY	Lint	Seed	Lint	Seed	Boll	Oil	Nitr	Plus	Minus	Free
		Yield	Yield			Size					
		(lb/a)	(lb/a)	Percent	Index	(g/boll)					
1404	PHY 499WRF		799	43.5	9.67	5.22					
1497	PHY 312WRF		998	43.5	10.6	5.29					
1503	FM 1830GLT		1041	45.0	9.18	4.68					
1516	DP 1646B2XF		800	45.2	8.38	4.67					
1535	NG 4545B2XF		878	40.7	9.66	5.33					
1536	PHY 764WRF		438	42.1	11.2	4.98					
1537	DP 1522B2XF		832	41.6	9.92	4.92					
1551	DG 3385B2XF		672	43.8	9.58	5.27					
1552	NG 4601B2XF		729	43.3	9.83	5.14					
	LSD		544	1.5	0.75	0.77					

vcode	VARIETY	Micro naire	Maturity	Upper Half				Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
				Mean Length	Uniformity Index	Short Fiber	Strength					
1404	PHY 499WRF	5.30	0.87	1.13	86.5	5.15	32.8	9.35	75.0	8.30	6.28	85.2
1497	PHY 312WRF	5.41	0.885	1.17	85.6	5.65	31.6	7.5	75.9	8.28		
1503	FM 1830GLT	5.29	0.885	1.19	86.0	5.15	34.3	6.7	78.5	7.38		
1516	DP 1646B2XF	5.38	0.875	1.19	83.9	6.95	31.8	8.3	76.6	7.75	12.54	67.2
1535	NG 4545B2XF	5.24	0.89	1.13	84.1	6.75	33.0	6.2	76.0	8.45	7.57	92.0
1536	PHY 764WRF	4.63	0.86	1.18	85.7	5	36.2	8.05	76.0	8.33	9.04	89.6
1537	DP 1522B2XF	5.76	0.875	1.11	84.0	5.6	31.0	9.5	75.7	8.43		
1551	DG 3385B2XF	5.74	0.88	1.08	84.9	5.9	29.9	8.8	74.7	8.50		
1552	NG 4601B2XF	5.59	0.89	1.17	83.8	6.2	34.5	7.8	77.7	7.65		
	LSD	0.38	0.012	0.09	2.5	1.76	2.7	0.813	2.7	0.20	14.90	40.5

vcode	VARIETY	Length Number	Length Weight	Short Fiber	Short Fiber	UQL Weight	Fineness	Immature Fiber	Maturity Ratio	Nep Count	Nep Count
				Content Number	Content Weight						
1404	PHY 499WRF	0.92	0.92	10.1	3.29	1.16	193	1.82	0.975	67.5	10
1497	PHY 312WRF	0.925	0.925	12.9	4.20	1.21	192	2.72	0.925	101	14
1503	FM 1830GLT	0.975	0.975	10.9	3.34	1.26	181	2.09	0.955	69	14
1516	DP 1646B2XF	0.985	0.985	10.4	3.13	1.28	185	2.24	0.92	56.5	4
1535	NG 4545B2XF	0.9	0.9	12.5	4.04	1.19	189	2.44	0.94	69.5	7.5
1536	PHY 764WRF	0.945	0.945	10.9	3.50	1.22	175	3.15	0.91	93	22
1537	DP 1522B2XF	0.92	0.92	9.3	3.12	1.17	197	2.05	0.93	64	6
1551	DG 3385B2XF	0.885	0.885	11.2	3.79	1.13	194	2.40	0.92	77	8
1552	NG 4601B2XF	0.96	0.96	11.2	3.49	1.25	186	2.69	0.935	71.5	12.5
	LSD	0.076	0.056	5.3	1.81	0.05	21	1.78	0.056	91.7	5.19



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