2018 National Cotton Variety Test

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National Cotton Variety Tests, 2018
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.

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

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Processed by National Cotton Variety Testing Program:

United States Department of Agriculture
Agricultural Research Service
Crop Genetics Research Unit
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CONTENTS

TEST RESULTS

TEST LOCATIONS

ALTUS, OK (IRR)
BELLE MINA, AL
CHILLICOTHE, TX (IRR)
COLLEGE STATION, TX
COMMERCE, 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)
MARICOPA, AZ
PORTAGEVILLE, MO
ROCKY MOUNT, NC
SAINT JOSEPH, LA
STARKVILLE, MS
STONEVILLE, MS
SUFFOLK, VA
TIPTON, OK
WESLACO, TX

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Alabama – J. Koebernick
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DP 1646B2XF -- DELTA AND PINE LAND COMPANY;

NG 4545B2XF -- AMERICOT, INC; AND

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

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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 - 2018
Yield Archive File	1960 - 2018
Fiber Quality Archive File	1960 - 2018
Pima Combed Yarn Archive File	1962 - 2018

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

Excel Files:
- Yield Data File 1960-2018
- Fiber Quality Data File 1967-2018
- Cottonseed Quality Data File 1998-2018

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)

University of Georgia	
Extension Center	Griffin, GA
Clemson University	
Pee Dee Experiment Station	Florence, SC
NC State University	
Extension Center	Rocky Mount, NC
Mississippi State University	
Extension Center	Starkville, MS
Auburn University	
Extension Center	Belle Mina, AL
Virginia Tech University	
Extension Center	Suffolk, VA

Delta Regional Cotton Variety Test (Upland Varieties)

Arkansas Agricultural Experiment Station	
Northeast Research & Extension Center	Keiser, AR
Louisiana Agricultural Experiment Station	
Northeast Louisiana Experiment Station	St. Joseph, LA
University of Missouri	
Delta Research Center	Portageville, MO

University of Tennessee
West Tennessee Ag Research & Education Ctr. Jackson, TN

Central Regional Cotton Variety Test (Upland Varieties)

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

Blackland Regional Cotton Variety Test (Upland Varieties)
Texas A&M University
Agricultural Research and Extension Commerce, TX

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

Western Regional Cotton Variety Test (Upland Varieties)
New Mexico Agricultural Experiment Station
Main Station Las Cruces, NM
Southeastern Branch Station Artesia, NM
Texas A&M University
Agricultural Research Center Pecos, TX

High Quality Regional Cotton Variety Test

Arkansas Agricultural Experiment Station	
Northeast Research & Extension Center	Keiser, AR
University of Missouri	
Delta Research Center	Portageville, MO
Clemson University	
Pee Dee Experiment Station	Florence, SC
Louisiana Agricultural Experiment Station	
Red River Valley Experiment Station	St. Joseph, LA
Mississippi Agricultural & Forestry Experiment Station	
Delta Branch	Stoneville, MS
Texas A&M University	
Texas Agricultual 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:

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

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

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

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

Seed Traits

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

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

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

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

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

HVI® Fiber Traits

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

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

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

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

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

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

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

Colorimeter:

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

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

Spinning Data

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

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

YT (Yarn tenacity): In the Regional test the standard skein strength of the yarn in millinewtons per tex(mN/tex) is estimated from miniature skeins. The data are adjusted to standard skein basis and corrected to 27 tex.

AFIS Fiber Traits

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

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

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

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

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

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

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

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

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

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

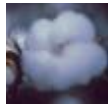
Nep Cnt/g (Nep Count per Gram): The total nep count normalized per gram. This includes both fiber and seed coat neps.

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

VARIETIES TESTED IN 2018

vcode	VARIETY
1404	PHY 499WRF
1459	PHY 444WRF
1479	DG 2355B2RF
1497	PHY 312WRF
1503	FM 1830GLT
1510	DP 1538B2XF
1513	DP 348RF
1516	DP 1646B2XF
1519	FM 1911GLT
1529	DP 1518B2XF
1531	PHY 841RF
1532	PHY 881RF
1533	DP 1612B2XF
1534	PHY 300W3FE
1535	NG 4545B2XF
1536	PHY 764WRF
1537	DP 1522B2XF
1542	PHY 330W3FE
1551	DG 3385B2XF
1552	NG 4601B2XF
1553	Acala Daytona RF
1554	DP 1549B2XF
1555	PHY 888RF
1556	FM 2574GLT
1557	ST 5020GLT
1558	DP 1845B3XF
1559	DP 1820B3XF
1560	ARK 1019-14
1561	ARK 1002-40
1562	ARK 1019-36
1563	NM 13P1125
1564	NM 16W1079
1565	NM 16W1094
1566	TAM 13Q-18

1567 TAM KJ-Q14
1568 PHY 440W3FE
1569 PHY 480W3FE
1570 DC 180
1571 DC 375
1572 LA 14063001
1573 LA 14603038
1574 PHY 430W3FE
1575 DP1840B3XF
1576 NG 5007B2XF
1577 NG 3522B2XF
1578 ST 5471GLTP
1579 DP 341RF



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Other links:

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PLAINS

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

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

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1100	2648	31.7	9.3	4.73	20.28	3.98	0.70	0.48	1.18
1516	DP 1646B2XF	999	2258	33.6	8.1	4.61	16.79	4.07	0.55	0.48	1.03
1519	FM 1911GLT	1056	2752	31.6	12.0	6.37	.	.	.	.	.
1533	DP 1612B2XF	1164	2904	31.3	9.3	5.04	.	.	.	.	.
1534	PHY 300W3FE	1060	2560	31.3	8.3	4.70	.	.	.	.	.
1535	NG 4545B2XF	986	2633	32.2	9.8	5.11	20.70	3.80	0.68	0.62	1.29
1536	PHY 764WRF	856	2292	29.9	10.5	4.87	21.05	4.09	0.56	0.43	0.98

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	4.80	0.85	1.13	83.5	8.1	31.6	9.4	74.8	7.5	6	68.6
1516	DP 1646B2XF	4.80	0.86	1.20	82.4	8.1	29.8	9.2	79.4	7.1	4	71.4
1519	FM 1911GLT	4.30	0.85	1.16	82.1	8.5	31.0	8.0	77.3	6.9	.	.
1533	DP 1612B2XF	4.60	0.85	1.14	83.0	8.0	30.3	9.5	75.3	7.4	.	.
1534	PHY 300W3FE	4.60	0.86	1.11	82.3	9.1	30.1	8.5	75.9	7.9	.	.
1535	NG 4545B2XF	5.10	0.87	1.09	82.2	9.1	30.8	7.5	76.8	8.1	4	67.1
1536	PHY 764WRF	4.30	0.85	1.15	83.5	7.8	35.4	8.5	75.4	7.5	5	80.0

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.75	0.94	26.9	9.0	1.13	181.1	5.0	0.94	184	22
1516	DP 1646B2XF	0.78	0.99	27.1	9.0	1.22	172.6	5.8	0.91	188	10
1519	FM 1911GLT	0.77	0.97	27.3	9.2	1.19	164.0	5.4	0.93	187	14
1533	DP 1612B2XF	0.77	0.96	25.4	8.3	1.16	172.7	5.7	0.92	163	16
1534	PHY 300W3FE	0.75	0.95	27.3	9.4	1.15	172.7	6.1	0.91	186	16
1535	NG 4545B2XF	0.79	0.96	22.1	7.0	1.13	192.0	4.3	0.98	98	11
1536	PHY 764WRF	0.82	1.00	22.4	7.1	1.19	167.0	5.6	0.92	177	23

PLAINS SUB-REGION 11 ONLY

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	1226	2648	31.7	9.3	5.01	20.80	3.94	0.85	0.58	1.42
1516	DP 1646B2XF	1133	2258	33.6	8.1	4.75	15.35	4.05	0.60	0.56	1.15
1519	FM 1911GLT	1220	2752	31.6	11.9	6.54	.	.	.	.	.
1533	DP 1612B2XF	1297	2904	31.3	9.3	5.04	.	.	.	.	.
1534	PHY 300W3FE	1129	2560	31.3	8.4	4.90	.	.	.	.	.
1535	NG 4545B2XF	1107	2633	32.2	10.1	5.32	20.35	3.79	0.77	0.70	1.47
1536	PHY 764WRF	945	2292	29.9	10.4	5.09	21.68	4.10	0.62	0.47	1.09
.	LSD	278	862	1.2	1.0	0.58	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	5.00	0.85	1.12	83.1	8.5	30.7	9.9	77.4	7.7	6	68.7
1516	DP 1646B2XF	4.80	0.86	1.21	82.3	8.1	30.2	9.5	80.2	7.5	4	75.5
1519	FM 1911GLT	4.80	0.86	1.15	82.0	8.4	31.5	8.3	79.9	7.2	.	.
1533	DP 1612B2XF	4.80	0.85	1.11	82.4	8.2	30.1	9.9	77.4	7.8	.	.
1534	PHY 300W3FE	4.80	0.86	1.10	81.9	9.1	30.0	8.8	77.4	8.1	.	.
1535	NG 4545B2XF	5.40	0.88	1.07	82.0	9.1	31.1	7.7	77.6	8.3	4	65.8
1536	PHY 764WRF	4.60	0.86	1.14	82.5	8.4	35.6	8.8	77.1	7.8	4	80.7
	LSD	0.42	0.02	0.04	1.4	0.95	1.8	0.53	2.3	0.74	5.7	12

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.76	0.94	26.7	8.9	1.13	181.8	5.1	0.93	198	14
1516	DP 1646B2XF	0.79	1.00	26.3	8.8	1.23	174.8	5.7	0.91	229	8
1519	FM 1911GLT	0.79	0.99	24.9	8.0	1.19	171.3	5.5	0.93	177	10
1533	DP 1612B2XF	0.78	0.96	23.3	7.6	1.13	175.3	6.3	0.91	166	9
1534	PHY 300W3FE	0.75	0.94	27.7	9.6	1.14	172.8	6.9	0.88	216	14
1535	NG 4545B2XF	0.77	0.94	23.1	7.4	1.12	199.5	4.0	0.99	109	8
1536	PHY 764WRF	0.81	0.99	22.6	7.3	1.18	170.3	5.8	0.91	184	17
.	LSD	0.05	0.04	3.5	1.7	0.04	9.5	1.6	0.05	79	6.9

PLAINS SUB-REGION 12 ONLY

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	848	.	.	9.5	4.18	20.02	4.00	0.62	0.44	1.06
1516	DP 1646B2XF	730	.	.	8.2	4.34	18.22	4.10	0.50	0.41	0.91
1519	FM 1911GLT	726	.	.	12.2	6.05	.	.	.	.	.
1533	DP 1612B2XF	808	.	.	9.2	5.04	.	.	.	.	.
1534	PHY 300W3FE	876	.	.	8.1	4.31	.	.	.	.	.
1535	NG 4545B2XF	743	.	.	9.3	4.69	20.93	3.81	0.61	0.56	1.18
1536	PHY 764WRF	678	.	.	10.8	4.43	20.41	4.08	0.50	0.38	0.88

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.60	0.85	1.14	83.8	7.8	32.4	8.8	68.9	7.2	6	68.3
1516	DP 1646B2XF	4.90	0.86	1.18	81.9	8.5	29.8	8.5	70.8	6.5	5	63.2
1519	FM 1911GLT	3.90	0.85	1.17	82.3	8.7	30.5	7.7	74.8	6.7	.	.
1533	DP 1612B2XF	4.40	0.85	1.16	83.0	8.1	30.6	9.0	68.5	7.3	.	.
1534	PHY 300W3FE	4.30	0.86	1.11	82.4	9.2	30.3	8.1	71.7	7.3	.	.
1535	NG 4545B2XF	4.60	0.86	1.12	82.4	8.9	30.8	7.2	73.7	8.2	4	69.8
1536	PHY 764WRF	4.10	0.85	1.16	84.5	7.3	35.0	8.1	70.2	6.9	8	78.4

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.75	0.94	27.0	9.0	1.13	180.7	5.0	0.95	175	27
1516	DP 1646B2XF	0.77	0.99	27.9	9.2	1.21	170.5	5.9	0.92	146	13
1519	FM 1911GLT	0.75	0.96	29.6	10.4	1.19	156.8	5.4	0.92	197	18
1533	DP 1612B2XF	0.77	0.97	26.9	8.8	1.17	171.0	5.3	0.93	162	20
1534	PHY 300W3FE	0.76	0.95	27.1	9.3	1.15	172.7	5.5	0.93	166	17

1535	NG 4545B2XF	0.81	0.98	21.0	6.6	1.15	184.5	4.5	0.97	86	13
1536	PHY 764WRF	0.83	1.01	22.2	6.9	1.20	163.8	5.5	0.93	171	29

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
Lubbock, TX (irr)	1237	2753	32.2	9.5	5.13	19.55	3.97	0.71	0.58	1.28
Chillicothe, TX(irr)	768	.	.	9.6	4.72	.	.	.	.	.
Lamesa, TX (dry)	1065	2403	31.0	9.7	5.34	.	.	.	.	.
Altus, OK	.	.	.	.	.	21.14	3.54	0.71	0.54	1.25
Tipton, OK	.	.	.	.	.	19.37	4.23	0.50	0.41	0.91

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
Lubbock, TX (irr)	4.90	0.86	1.14	82.5	8.5	31.2	9.0	78.0	7.6	3	72.4
Chillicothe, TX(irr)	4.80	0.86	1.10	83.2	8.4	30.7	8.0	76.1	7.0	6	69.9
Lamesa, TX (dry)	4.9	0.86	1.12	82.2	8.5	31.5	8.9	78.3	8.0	6	72.9
Altus, OK	3.7	0.84	1.21	83.2	8.0	31.9	8.6	71.7	7.4	.	.
Tipton, OK	.	.	.	.	.	.	.	.	.	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Lubbock, TX (irr)	0.77	0.96	26.0	8.6	1.17	180.1	4.8	0.95	194	11
Chillicothe, TX(irr)	0.78	0.95	22.9	7.6	1.12	175.9	4.7	0.95	92	9
Lamesa, TX (dry)	0.78	0.96	23.9	7.9	1.15	175.7	6.4	0.93	172	12
Altus, OK	0.77	0.99	29.7	9.9	1.23	168.4	5.3	0.93	231	28
Tipton, OK	0.77	0.97	27.12	8.8	1.17	170.2	6.1	0.91	181	27.6

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
1533	DP 1612B2XF	1481	3484	31.8	9.4	5.12	.	.	.	.	.
1519	FM 1911GLT	1415	3155	32.8	12.1	6.24	.	.	.	.	.
1404	PHY 499WRF	1285	2573	32.0	9.0	4.65	20.8	3.94	0.85	0.58	1.42
1516	DP 1646B2XF	1200	2461	34.2	7.9	4.66	15.35	4.05	0.60	0.56	1.15
1535	NG 4545B2XF	1196	2593	32.8	9.5	5.28	20.36	3.79	0.77	0.70	1.47
1534	PHY 300W3FE	1095	2521	31.8	8.4	4.89	.	.	.	.	.
1536	PHY 764WRF	987	2491	30.0	10.7	5.11	21.68	4.1	0.62	0.47	1.09
.	LSD	229	185	1.6	1.3	0.70	1.92	0.47	0.17	0.41	0.57

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1533	DP 1612B2XF	4.70	0.84	1.14	82.3	8.0	29.5	10.3	77.7	7.9	.	.
1519	FM 1911GLT	4.80	0.86	1.18	82.5	8.2	32.3	8.1	79.4	7.0	.	.
1404	PHY 499WRF	4.90	0.85	1.12	82.5	9.1	30.2	9.9	78.2	7.6	3	63.9
1516	DP 1646B2XF	4.90	0.86	1.23	83.0	8.0	30.6	9.6	78.9	7.2	3	76.9
1535	NG 4545B2XF	5.20	0.88	1.09	82.2	8.8	31.0	7.7	78.0	8.0	3	68.0
1534	PHY 300W3FE	4.95	0.86	1.11	82.1	9.1	29.6	8.9	76.8	7.8	.	.
1536	PHY 764WRF	4.50	0.86	1.14	82.9	8.6	35.3	8.8	77.2	8.0	3	80.9
.	LSD	0.62	0.02	0.03	1.70	1.2	2.4	0.2	2.2	0.8	2	28.8

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1533	DP 1612B2XF	0.77	0.96	25.0	8.1	1.15	175	6.2	0.91	192	11
1519	FM 1911GLT	0.81	1.01	24.0	7.5	1.21	177	4.1	0.98	160	8
1404	PHY 499WRF	0.74	0.93	28.5	9.8	1.13	187	4.0	0.96	221	12
1516	DP 1646B2XF	0.78	1.00	27.5	9.4	1.23	178.5	4.5	0.94	253	7
1535	NG 4545B2XF	0.78	0.95	23.5	7.4	1.14	200	3.2	1.02	125	8
1534	PHY 300W3FE	0.74	0.94	28.5	10.0	1.14	174.5	6.3	0.90	191	12
1536	PHY 764WRF	0.80	0.99	24.5	7.8	1.18	169	5.3	0.92	216	19
.	LSD	0.04	0.05	2.7	1.4	0.06	10.9	1.3	0.04	99	8

LOCATION: Chillicothe, 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
1534	PHY 300W3FE	876	.	.	8.3	4.34	.	.	.	.	.
1404	PHY 499WRF	849	.	.	9.5	4.19	.	.	.	.	.
1533	DP 1612B2XF	808	.	.	9.2	5.05	.	.	.	.	.
1535	NG 4545B2XF	744	.	.	9.3	4.69	.	.	.	.	.
1516	DP 1646B2XF	731	.	.	8.2	4.34	.	.	.	.	.
1519	FM 1911GLT	726	.	.	12.2	6.05	.	.	.	.	.
1536	PHY 764WRF	678	.	.	10.8	4.43	.	.	.	.	.
.	LSD	163	.	.	1	1.41	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1534	PHY 300W3FE	5.00	0.87	1.05	83.0	9.9	30.3	7.9	77.6	7.8	.	.
1404	PHY 499WRF	5.20	0.87	1.08	84.1	7.8	31.8	8.8	76.1	7.3	6	68.2
1533	DP 1612B2XF	4.80	0.86	1.10	83.6	7.6	29.9	8.7	74.4	7.1	.	.
1535	NG 4545B2XF	5.05	0.88	1.05	81.9	9.7	29.2	7.1	76.6	7.8	4	69.8
1516	DP 1646B2XF	4.85	0.86	1.18	82.4	8.2	29.0	8.6	77.8	6.4	5	63.2
1519	FM 1911GLT	4.50	0.87	1.08	81.8	9.5	30.4	7.3	76.9	6.5	.	.
1536	PHY 764WRF	4.20	0.85	1.15	85.1	7.0	34.4	7.9	74.7	6.5	8	78.4
.	LSD	0.23	0.01	0.05	2.6	2.4	3.7	0.3	3.9	0.9	4	9.34

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1533	DP 1612B2XF	0.77	0.96	25.0	8.1	1.15	175.0	6.2	0.91	192	11
1519	FM 1911GLT	0.81	1.01	24.0	7.5	1.21	177.0	4.1	0.98	160	8
1404	PHY 499WRF	0.74	0.93	28.5	9.8	1.13	187.0	4.0	0.96	221	12
1516	DP 1646B2XF	0.78	1.00	27.5	9.4	1.23	178.5	4.5	0.94	253	7
1535	NG 4545B2XF	0.78	0.95	23.5	7.4	1.14	200.0	3.2	1.02	125	8
1534	PHY 300W3FE	0.74	0.94	28.5	10.0	1.14	174.5	6.3	0.90	191	12
1536	PHY 764WRF	0.80	0.99	24.5	7.8	1.18	169.0	5.3	0.92	216	19
.	LSD	0.04	0.05	2.7	1.4	0.06	10.9	1.3	0.04	99	8

Location: Lamesa, TX (dry)

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	1167	2725	31.3	9.6	5.37	.	.	.	.	.
1534	PHY 300W3FE	1163	2600	30.8	8.5	4.90	.	.	.	.	.
1533	DP 1612B2XF	1113	2326	30.7	9.3	4.95	.	.	.	.	.
1516	DP 1646B2XF	1065	2055	32.9	8.4	4.84	.	.	.	.	.
1519	FM 1911GLT	1026	2348	30.3	11.8	6.84	.	.	.	.	.
1535	NG 4545B2XF	1019	2675	31.6	10.7	5.36	.	.	.	.	.
1536	PHY 764WRF	904	2093	29.7	10.1	5.09	.	.	.	.	.
.	LSD	233	1034	1.4	1.1	1.07	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	5.00	0.86	1.12	83.7	8.0	31.2	9.9	76.7	7.9	9	73.4
1534	PHY 300W3FE	4.60	0.86	1.10	81.8	9.0	30.5	8.8	78.0	8.5	.	.
1533	DP 1612B2XF	4.95	0.86	1.09	82.6	8.4	30.8	9.6	77.2	7.8	.	.
1516	DP 1646B2XF	4.75	0.86	1.20	81.7	8.2	29.8	9.4	81.5	8.0	5	74.1
1519	FM 1911GLT	4.75	0.86	1.13	81.6	8.6	30.8	8.5	80.4	7.4	.	.
1535	NG 4545B2XF	5.60	0.89	1.06	81.9	9.4	31.3	7.8	77.2	8.7	4	63.5
1536	PHY 764WRF	4.65	0.86	1.14	82.2	8.1	36.0	8.8	77.0	7.7	4	80.5
.	LSD	0.73	0.02	0.082	1.9	1.3	2.4	0.5	2.3	0.4	11	28.78

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.78	0.95	25.0	8.0	1.13	176.5	6.1	0.90	175	17
1534	PHY 300W3FE	0.76	0.95	26.5	9.2	1.14	171.0	7.4	0.87	242	17
1533	DP 1612B2XF	0.80	0.96	21.5	7.0	1.13	175.5	6.3	0.90	140	7
1516	DP 1646B2XF	0.81	1.01	25.0	8.2	1.23	171.0	6.8	0.88	206	9
1519	FM 1911GLT	0.77	0.97	26.0	8.6	1.16	165.5	6.8	0.89	195	12
1535	NG 4545B2XF	0.77	0.93	22.5	7.3	1.10	199.0	4.8	0.96	94	9
1536	PHY 764WRF	0.82	0.99	21.0	6.6	1.17	171.5	6.3	0.90	153	15
.	LSD	0.08	0.07	5.4	2.3	0.08	11.6	0.9	0.03	119	12

Location: Altus, Ok

` 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	.	.	.	.	.	21.01	3.54	0.74	0.52	1.26
1516	DP 1646B2XF	.	.	.	.	.	.	.	.	.	.
1519	FM 1911GLT	.	.	.	.	.	.	.	.	.	.
1533	DP 1612B2XF	.	.	.	.	.	.	.	.	.	.
1534	PHY 300W3FE	.	.	.	.	.	.	.	.	.	.
1535	NG 4545B2XF	.	.	.	.	.	21.31	3.26	0.77	0.68	1.45
1536	PHY 764WRF	.	.	.	.	.	21.22	3.83	0.57	0.45	1.02

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	3.90	0.84	1.22	83.8	7.5	33.2	9.0	68.5	7.4	.	.
1516	DP 1646B2XF	.	.	.	.	.	.	.	.	.	.	.
1519	FM 1911GLT	3.30	0.83	1.25	82.7	7.9	30.7	8.2	72.7	6.9	.	.
1533	DP 1612B2XF	3.90	0.84	1.23	83.7	8.0	31.1	9.4	71.9	7.0	.	.
1534	PHY 300W3FE	4.00	0.85	1.15	82.1	9.3	29.7	8.5	72.5	7.6	.	.
1535	NG 4545B2XF	3.70	0.84	1.22	83.7	8.0	32.9	7.5	74.7	8.0	.	.
1536	PHY 764WRF	3.50	0.83	1.23	84.3	7.1	36.7	8.8	70.6	8.3	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.76	0.98	29.9	10.0	1.20	171.0	5.8	0.92	235	41
1516	DP 1646B2XF	.	.	.	.	.	.	.	.	.	.
1519	FM 1911GLT	0.77	1.01	31.2	10.7	1.27	152.0	5.6	0.91	250	27
1533	DP 1612B2XF	0.79	1.00	27.6	8.8	1.23	176.0	4.4	0.95	185	17
1534	PHY 300W3FE	0.72	0.95	34.3	12.2	1.18	171.5	5.5	0.93	258	24
1535	NG 4545B2XF	0.81	1.02	25.9	8.1	1.23	179.0	5.1	0.96	133	18
1536	PHY 764WRF	0.84	1.05	24.8	7.6	1.28	164.0	5.6	0.93	324	46

Location: Tipton, OK

` 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	.	.	.	.	.	19.03	4.46	0.51	0.35	0.86
1516	DP 1646B2XF	.	.	.	.	.	18.22	4.10	0.50	0.41	0.91
1519	FM 1911GLT	.	.	.	.	.	.	.	.	.	.
1533	DP 1612B2XF	.	.	.	.	.	.	.	.	.	.
1534	PHY 300W3FE	.	.	.	.	.	.	.	.	.	.
1535	NG 4545B2XF	.	.	.	.	.	20.73	4.09	0.54	0.51	1.04
1536	PHY 764WRF	.	.	.	.	.	19.61	4.34	0.43	0.31	0.74

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	4.70	0.86	1.12	83.6	8.1	32.3	8.7	62.1	7.0	.	.
1516	DP 1646B2XF	4.90	0.87	1.18	81.4	8.9	30.7	8.4	63.8	6.7	.	.
1519	FM 1911GLT	.	.	.	.	.	.	.	.	.	.	.
1533	DP 1612B2XF	4.40	0.85	1.17	81.7	8.8	30.9	8.8	59.3	7.8	.	.
1534	PHY 300W3FE	4.00	0.85	1.11	81.8	9.3	30.7	7.9	66.0	6.6	.	.
1535	NG 4545B2XF	4.60	0.86	1.14	82.1	8.3	31.9	7.0	67.0	9.5	.	.
1536	PHY 764WRF	4.60	0.86	1.13	83.4	8.2	34.5	7.8	61.2	6.6	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.70	0.90	32.0	11.1	1.10	186.0	4.8	0.97	206	33
1516	DP 1646B2XF	0.76	0.99	30.3	10.0	1.22	165.5	6.72	0.90	199	19
1519	FM 1911GLT	.	.	.	.	.	.	.	.	.	.
1533	DP 1612B2XF	0.79	1.00	26.8	8.4	1.21	163.0	6.685	0.89	188	34
1534	PHY 300W3FE	0.78	0.97	25.0	8.2	1.16	163.5	6.585	0.89	175	21
1535	NG 4545B2XF	0.84	1.00	18.8	5.7	1.16	181.0	5.4	0.94	106	24
1536	PHY 764WRF	0.79	0.98	24.1	7.5	1.16	165.0	6.27	0.90	166	41

2018 National Cotton Variety Test

Crop Genetics Research Unit
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EASTERN REGION

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

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR EASTERN BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1346	2402	41.2	9.1	4.17	19.60	3.44	0.80	0.51	1.31
1510	DP 1538B2XF	1304	2397	41.6	9.0	4.30	.	.	.	.	.
1516	DP 1646B2XF	1423	2401	42.2	8.0	3.87	17.11	3.55	0.63	0.56	1.19
1535	NG 4545B2XF	1140	2220	39.8	9.3	4.25	21.62	3.48	0.79	0.76	1.55
1536	PHY 764WRF	924	2043	38.3	10.0	4.53	20.35	3.95	0.59	0.45	1.04
1574	PHY 430W3FE	1250	2271	42.3	8.7	4.23	.	.	.	.	.
1575	DP 1840B3XF	1239	2373	40.4	8.7	3.95	.	.	.	.	.
1576	NG 5007B2XF	1348	2485	40.7	8.5	3.84	.	.	.	.	.
1577	NG 3522B2XF	1367	2433	41.4	9.3	4.12	.	.	.	.	.
1578	ST5471GLTP	1372	2398	40.5	10.4	5.10	.	.	.	.	.
.	LSD	140	199	1.6	0.38	0.71	1.1	0.23	0.38	0.04	0.10

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	4.70	0.86	1.14	84.2	7.9	30.8	8.9	70.3	7.5	9	75.3
1510	DP 1538B2XF	4.80	0.86	1.12	84.4	7.7	27.8	8.9	72.3	7.4	.	.
1516	DP 1646B2XF	4.50	0.85	1.24	84.0	7.5	29.1	8.8	73.0	6.8	9	62.6
1535	NG 4545B2XF	4.60	0.86	1.13	83.3	8.6	30.7	7.2	71.0	7.8	8	70.5
1536	PHY 764WRF	4.10	0.85	1.18	84.5	7.4	34.4	8.1	72.0	7.8	9	74.5
1574	PHY 430W3FE	4.50	0.85	1.11	83.9	8.2	30.1	8.5	71.2	8.5	.	.
1575	DP 1840B3XF	4.50	0.86	1.20	84.1	7.9	30.7	8.3	72.8	7.3	.	.
1576	NG 5007B2XF	4.60	0.85	1.16	83.5	8.2	27.9	8.8	71.9	7.4	.	.
1577	NG 3522B2XF	4.50	0.85	1.10	82.9	9.5	27.2	8.1	71.7	7.9	.	.
1578	ST5471GLTP	4.30	0.85	1.16	83.5	8.0	30.6	8.1	74.5	7.2	.	.
	LSD	0.26	0.01	0.02	0.83	0.59	1.2	0.22	1.4	0.38	5.1	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.79	0.98	25.9	8.4	1.17	184.9	5.4	0.94	108	13
1510	DP 1538B2XF	0.79	0.96	23.8	8.2	1.14	186.3	5.4	0.93	117	12
1516	DP 1646B2XF	0.80	1.02	27.9	9.0	1.26	172.2	6.0	0.91	142	10
1535	NG 4545B2XF	0.77	0.96	26.8	8.9	1.16	184.1	5.0	0.95	111	11
1536	PHY 764WRF	0.80	1.00	25.4	8.3	1.20	168.1	5.7	0.92	165	14
1574	PHY 430W3FE	0.76	0.95	27.5	9.1	1.13	183.8	5.3	0.94	125	9
1575	DP 1840B3XF	0.85	1.04	23.2	7.2	1.25	180.9	5.6	0.93	133	12
1576	NG 5007B2XF	0.82	1.00	22.6	7.5	1.19	180.8	5.6	0.92	132	10
1577	NG 3522B2XF	0.76	0.94	27.4	9.5	1.14	180.3	6.0	0.91	141	12
1578	ST5471GLTP	0.80	1.00	25.2	8.1	1.21	171.3	5.7	0.92	116	10
.	LSD	0.04	0.03	3.4	1.6	0.03	7.9	0.90	0.03	37	4.3

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
Florence, SC	1618	2001	44.7	.	.	18.68	3.89	0.58	0.48	1.05
Rocky Mount, NC	1152	1277	47.3	8.8	5.46	20.29	3.23	0.77	0.60	1.38
Starkville, MS	1156	1435	45.5	8.4	4.40	.	.	.	.	.
Belle Mina, AL	1601	5606	22.2	9.8	3.10	20.04	3.69	0.76	0.63	1.39
Suffolk, VA	830	939	46.8	.	4.01	.	.	.	.	.
Griffin, GA	.	.	.	.	.	.	.	.	.	.

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
Florence, SC	3.9	0.84	1.18	84.3	8.2	30.1	8.4	60.4	8.4	13	68.3
Rocky Mount, NC	5.0	0.87	1.13	84.4	7.7	31.1	8.3	80.2	8.3	4	72.8
Starkville, MS	4.4	0.85	1.13	82.9	8.8	27.9	8.0	71.2	6.4	.	.
Belle Mina, AL	4.7	0.86	1.18	84.6	7.5	30.1	8.6	74.4	8.8	.	.
Suffolk, VA	4.8	0.86	1.17	83.7	7.9	30.9	8.5	78.0	6.7	.	.
Griffin, GA	.	.	.	.	.	.	.	.	.	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Florence, SC	0.75	0.97	30.6	10.7	1.19	166.3	6.8	0.88	143	20
Rocky Mount, NC	0.83	1.00	20.6	6.5	1.17	186.6	4.7	0.96	74	9
Starkville, MS	0.77	0.96	26.6	8.9	1.17	176.6	5.5	0.93	95	9
Belle Mina, AL	0.84	1.02	22.5	7.1	1.22	185.0	5.5	0.93	113	4
Suffolk, VA	0.82	1.01	24.0	7.4	1.20	183.7	5.1	0.94	194	5
Griffin, GA	0.75	0.95	29.0	9.9	1.16	177.5	5.7	0.93	156	22

EASTERN REGION INDIVIDUAL LOCATION SUMMARIES

Location: Florence, SC

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1809	2177	45.4	.	.	18.5	3.73	0.64	0.42	1.06
1575	DP 1840B3XF	1767	2240	44.1	.	.	.	.	.	.	.
1578	ST 5471GLTP	1757	2232	44.1	.	.	.	.	.	.	.
1516	DP 1646B2XF	1724	2016	46.1	.	.	15.81	3.98	0.5	0.45	0.94
1510	DP 1538B2XF	1668	1977	45.7	.	.	.	.	.	.	.
1577	NG 3522B2XF	1663	2129	43.8	.	.	.	.	.	.	.
1576	NG 5007B2XF	1661	2088	44.3	.	.	.	.	.	.	.
1535	NG 4545B2XF	1490	1945	43.4	.	.	21.49	3.65	0.69	0.68	1.36
1574	PHY 430W3FE	1449	1703	45.9	.	.	.	.	.	.	.
1536	PHY 764WRF	1192	1504	44.2	.	.	18.93	4.20	0.49	0.37	0.85
.	LSD	192	215	0.9	.	.	1.52	0.4	0.06	0.02	0.05

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	4.00	0.84	1.17	84.5	8.3	30.8	8.7	59.9	8.4	12	73.8
1575	DP 1840B3XF	4.05	0.85	1.25	85.4	7.7	30.9	8.2	62.2	8.2	.	.
1578	ST 5471GLTP	3.70	0.83	1.20	84.1	8.1	29.9	8.3	63.8	8.1	.	.
1516	DP 1646B2XF	4.05	0.84	1.26	84.4	7.8	29.0	8.9	59.4	7.8	13	55.9
1510	DP 1538B2XF	4.00	0.84	1.15	84.7	7.9	28.1	9.0	60.6	8.2	.	.
1577	NG 3522B2XF	4.35	0.86	1.12	83.8	9.3	27.5	8.1	59.5	8.9	.	.
1576	NG 5007B2XF	3.85	0.83	1.18	83.0	8.8	27.9	9.1	59.3	8.3	.	.
1535	NG 4545B2XF	4.20	0.86	1.20	84.7	7.8	32.4	7.1	60.9	8.5	11	63.4
1574	PHY 430W3FE	3.45	0.83	1.14	83.7	9.0	30.4	8.4	59.6	9.4	.	.
1536	PHY 764WRF	3.75	0.84	1.20	84.9	7.8	34.3	7.9	59.7	8.3	15	79.8
.	LSD	0.39	0.01	0.043	1.9	1.1	1.8	0.4	3.3	0.7	7	23.98

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.77	0.99	28.5	9.4	1.19	169.5	6.6	0.89	102	21
1575	DP 1840B3XF	0.83	1.04	25.5	8.1	1.28	173.5	6.1	0.91	106	16
1578	ST 5471GLTP	0.78	1.00	28.0	9.2	1.23	159.5	6.6	0.89	109	20
1516	DP 1646B2XF	0.77	1.02	30.5	10.4	1.28	161.5	7.4	0.86	161	21
1510	DP 1538B2XF	0.70	0.90	34.5	13.2	1.13	166.0	7.5	0.86	163	17
1577	NG 3522B2XF	0.71	0.92	32.5	12.0	1.13	174.5	6.8	0.88	143	17
1576	NG 5007B2XF	0.74	0.96	30.0	11.1	1.19	165.5	7.0	0.86	156	25
1535	NG 4545B2XF	0.75	0.97	29.5	9.9	1.18	173.0	5.9	0.91	105	18
1574	PHY 430W3FE	0.73	0.94	32.0	11.2	1.15	164.5	7.0	0.88	144	13
1536	PHY 764WRF	0.72	0.94	34.0	12.5	1.17	155.5	6.9	0.87	244	32
.	LSD	0.07	0.06	7.1	3.7	0.06	11.2	1.3	0.04	98	11

Location: Rocky Mount, NC

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
1576	NG 5007B2XF	1268	1376	48.0	7.9	5.00	.	.	.	.	.
1516	DP 1646B2XF	1259	1368	47.9	7.6	4.83	18.01	3.09	0.72	0.62	1.34
1574	PHY 430W3FE	1246	1340	48.2	8.6	5.23	.	.	.	.	.
1577	NG 3522B2XF	1229	1296	48.7	9.0	5.35	.	.	.	.	.
1578	ST 5471GLTP	1213	1422	46.0	10.3	6.03	.	.	.	.	.
1510	DP 1538B2XF	1189	1248	48.8	8.7	6.23	.	.	.	.	.
1404	PHY 499WRF	1185	1289	47.8	8.9	5.55	20.09	2.99	0.92	0.56	1.47
1535	NG 4545B2XF	1093	1258	46.5	8.9	5.75	21.76	3.22	0.83	0.78	1.61
1575	DP 1840B3XF	1084	1236	46.7	8.2	4.75	.	.	.	.	.
1536	PHY 764WRF	757	940	44.7	9.8	5.90	21.3	3.62	0.63	0.47	1.10
.	LSD	117	119	1.1	0.5	0.56	2.81	0.42	0.17	0.15	0.31

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1576	NG 5007B2XF	5.00	0.87	1.13	84.0	8.3	28.5	8.6	80.9	8.3	.	.
1516	DP 1646B2XF	4.85	0.86	1.20	84.7	7.3	28.8	8.8	82.9	7.7	4	69.1
1574	PHY 430W3FE	5.00	0.87	1.07	84.5	8.1	31.7	8.6	78.6	9.0	.	.
1577	NG 3522B2XF	5.05	0.87	1.12	84.2	8.3	28.6	7.9	81.3	8.7	.	.
1578	ST 5471GLTP	4.80	0.86	1.16	83.5	7.8	32.1	8.0	81.1	8.0	.	.
1510	DP 1538B2XF	5.20	0.87	1.11	86.5	6.6	27.7	9.1	79.8	8.6	.	.
1404	PHY 499WRF	5.30	0.87	1.11	84.6	7.5	32.8	8.8	79.4	8.5	4	78.0
1535	NG 4545B2XF	5.20	0.88	1.10	83.5	8.5	30.9	7.1	77.8	8.3	5	77.5
1575	DP 1840B3XF	4.95	0.87	1.18	84.2	7.8	32.2	8.2	80.9	8.4	.	.
1536	PHY 764WRF	4.40	0.86	1.17	84.9	7.1	37.6	8.0	80	8.5	3	69.2
.	LSD	0.3	0.01	0.043	2.3	1.6	3.1	0.3	3.4	0.7	5	10.36

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1576	NG 5007B2XF	0.85	1.00	17.5	5.6	1.17	184.0	5.2	0.94	83	5
1516	DP 1646B2XF	0.82	1.02	24.5	7.6	1.23	175.5	4.9	0.95	70	3
1574	PHY 430W3FE	0.80	0.96	21.0	6.5	1.11	198.0	3.8	1.00	55	10
1577	NG 3522B2XF	0.83	0.99	21.0	6.6	1.16	183.5	5.3	0.94	87	14
1578	ST 5471GLTP	0.85	1.02	19.5	6.1	1.21	176.0	5.1	0.95	56	6
1510	DP 1538B2XF	0.84	0.98	18.0	5.8	1.14	189.0	4.8	0.95	72	11
1404	PHY 499WRF	0.76	0.93	25.0	8.9	1.11	203.0	4.4	1.00	111	17
1535	NG 4545B2XF	0.83	0.99	20.5	6.3	1.15	196.0	4.1	1.00	54	8
1575	DP 1840B3XF	0.86	1.03	21.0	6.2	1.22	185.5	5.1	0.95	80	6
1536	PHY 764WRF	0.89	1.06	18.0	5.3	1.23	175.5	4.5	0.97	72	9
.	LSD	0.07	0.07	5.1	2.3	0.06	7.4	0.8	0.03	27	15

Location: Starkville, MS

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1576	NG 5007B2XF	1368	1726	46.3	8.0	4.31	.	.	.	.	.
1510	DP 1538B2XF	1351	1625	46.7	8.4	4.03	.	.	.	.	.
1577	NG 3522B2XF	1232	1466	45.8	8.2	4.16	.	.	.	.	.
1516	DP 1646B2XF	1216	1382	47.2	7.5	3.91	.	.	.	.	.
1578	ST 5471GLTP	1199	1482	43.9	9.6	4.80	.	.	.	.	.
1535	NG 4545B2XF	1151	1395	43.6	8.6	4.86	.	.	.	.	.
1404	PHY 499WRF	1095	1419	45.5	8.0	4.66	.	.	.	.	.
1575	DP 1840B3XF	998	1339	45.4	7.9	4.36	.	.	.	.	.
1536	PHY 764WRF	992	1382	43.1	9.5	4.39	.	.	.	.	.
1574	PHY 430W3FE	964	1131	47.3	7.8	4.51	.	.	.	.	.
.	LSD	277	539	1.1	0.7	1.28	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1576	NG 5007B2XF	4.50	0.85	1.145	83.0	8.9	26.8	8.1	71.4	6.1	.	.
1510	DP 1538B2XF	4.90	0.86	1.09	83.7	8.1	26.9	8.4	72.4	6.0	.	.
1577	NG 3522B2XF	4.45	0.85	1.055	81.2	10.9	24.1	7.8	71.2	6.7	.	.
1516	DP 1646B2XF	4.35	0.85	1.205	82.8	9.0	27.6	8.4	70.4	5.7	.	.
1578	ST 5471GLTP	4.30	0.86	1.14	83.0	8.1	29.2	7.7	74.9	6.1	.	.
1535	NG 4545B2XF	4.50	0.86	1.12	82.9	8.9	28.0	7.1	68.7	7.0	.	.
1404	PHY 499WRF	4.00	0.84	1.13	83.0	9.0	28.2	8.6	69.2	6.8	.	.
1575	DP 1840B3XF	4.55	0.86	1.16	83.4	8.6	28.0	8.1	72.6	5.7	.	.
1536	PHY 764WRF	4.05	0.85	1.16	84.0	7.9	32.7	7.9	72.6	6.6	.	.
1574	PHY 430W3FE	4.25	0.85	1.11	82.7	8.9	28.2	8.3	69.4	7.5	.	.
.	LSD	0.53	0.02	0.063	1.5	1.8	1.7	0.3	2.8	0.4	.	.

vcode	VARIETY	Length	Length	Short Fiber Content	Short Fiber Content			Immature Fiber	Maturity	Nep	Seed Coat Number
1576	NG 5007B2XF	0.78	0.97	25	8.8	1.17	181.5	5.2	0.95	99	7
1510	DP 1538B2XF	0.75	0.92	26.5	9.5	1.11	192	4.6	0.97	78	12
1577	NG 3522B2XF	0.72	0.92	29.5	10.4	1.11	180	5.8	0.93	104	11
1516	DP 1646B2XF	0.78	1	29	9.8	1.24	164	6.3	0.89	106	9
1578	ST 5471GLTP	0.78	0.98	25.5	8.2	1.18	174	5.1	0.95	103	6
1535	NG 4545B2XF	0.74	0.94	29	10	1.13	178	5.7	0.93	94	9
1404	PHY 499WRF	0.8	0.99	25	8	1.18	171	6.1	0.91	98	7
1575	DP 1840B3XF	0.8	0.99	25	8.1	1.19	189.5	4.3	0.98	92	11
1536	PHY 764WRF	0.84	1.02	21.5	6.6	1.21	162.5	6	0.92	83	10
1574	PHY 430W3FE	0.74	0.94	29	9.6	1.13	173.5	6	0.91	97	7
.	LSD	0.07	0.06	6.5	2.9	0.06	14.6	1.7	0.05	44	4

Location: Belle Mina, AL

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
1578	ST 5471GLTP	1813	5305	25.5	10.9	3.42	.	.	.	.	.
1574	PHY 430W3FE	1715	5714	23.1	9.3	3.07	.	.	.	.	.
1404	PHY 499WRF	1703	5530	23.6	9.7	2.93	20.21	3.62	0.85	0.56	1.4
1577	NG 3522 B2XF	1699	5686	23	10.1	3.09	.	.	.	.	.
1575	SDP 1840B3XF	1549	5619	21.6	9.7	2.9	.	.	.	.	.
1576	NG 5007B2XF	1511	5806	20.6	9.3	2.91	.	.	.	.	.
1510	DP 1538B2XF	1489	5896	20.2	9.7	3.24	.	.	.	.	.
1535	NG 4545B2XF	1419	5464	20.6	10	3.33	21.61	3.56	0.87	0.82	1.69
1536	PHY 764WRF	1261	5502	18.6	10.5	3.3	20.83	4.03	0.67	0.5	1.17
.	LSD	131	189	1.8	0.4	0.13	2.14	0.48	0.09	0.11	0.19

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1578	ST 5471GLTP	4.55	0.85	1.28	84.3	6.8	28.9	9.3	75.2	8.2	.	.
1574	PHY 430W3FE	4.5	0.85	1.17	84	7.6	30.7	8.5	77.7	8.1	.	.
1404	PHY 499WRF	4.55	0.85	1.13	84.7	7.6	29.1	8.8	73.8	9.9	.	.
1577	NG 3522 B2XF	5	0.87	1.17	85.2	7.2	31.8	9	71.5	8.7	.	.
1575	SDP 1840B3XF	4.75	0.86	1.13	84.5	8.2	28.6	8.3	74.2	9.4	.	.
1576	NG 5007B2XF	4.5	0.86	1.23	85.2	7	31.1	8.4	75.1	8.9	.	.
1510	DP 1538B2XF	4.75	0.86	1.175	84.3	7.7	28.3	9.1	74.1	9.1	.	.
1535	NG 4545B2XF	4.95	0.86	1.155	84.6	7.7	28.8	9.1	74.1	8.6	.	.
1536	PHY 764WRF	4.85	0.87	1.17	82.8	8.6	31.2	7.6	74.5	9	.	.
.	LSD	0.35	0.01	0.041	1.7	0.8	2.5	0.4	2.9	0.8	.	.

vcode	VARIETY	Length number	Length weight	Short Fiber Content Number	Short Fiber Content Weight	UQL weight	Fineness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1578	ST 5471GLTP	0.83	1.04	26.5	8.6	1.3	174.5	7.2	0.89	146	6
1574	PHY 430W3FE	0.86	1.04	20	6.2	1.25	172	5.5	0.92	79	3
1404	PHY 499WRF	0.75	0.95	29.5	9.7	1.15	187	5.7	0.94	163	4
1577	NG 3522 B2XF	0.84	1.01	22.5	7.1	1.2	185	6.4	0.92	59	2
1575	SDP 1840B3XF	0.84	1	20	6.5	1.18	187	5.4	0.92	84	3
1576	NG 5007B2XF	0.93	1.11	18	5.1	1.32	183.5	5.6	0.91	139	3
1510	DP 1538B2XF	0.9	1.06	17.5	5.2	1.23	188	5.2	0.93	80	2
1535	NG 4545B2XF	0.83	0.99	21.5	6.9	1.17	200	4.4	0.97	96	4
1536	PHY 764WRF	0.82	1.01	24.5	7.7	1.22	194	4.6	0.99	106	6
.	LSD	0.04	0.04	3.2	1.3	0.06	10.2	0.8	0.03	71	6

Location: Suffolk, VA

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
1577	NG 3522B2XF	1015	1108	47.8	.	3.83	.	.	.	.	.
1404	PHY 499WRF	941	1107	46	.	3.67	.	.	.	.	.
1576	NG 5007B2XF	934	1051	47.1	.	3.23	.	.	.	.	.
1578	ST 5471GLTP	880	1091	44.7	.	6.3	.	.	.	.	.
1574	PHY 430W3FE	874	897	49.4	.	4.27	.	.	.	.	.
1510	DP 1538B2XF	825	855	49.1	.	3.33	.	.	.	.	.
1575	DP 1840B3XF	797	917	46.4	.	4.03	.	.	.	.	.
1535	NG 4545B2XF	546	624	46.7	.	3.07	.	.	.	.	.
1536	PHY 764WRF	421	555	43.1	.	4.43	.	.	.	.	.
.	LSD	138	160	1	.	1.7	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1577	NG 3522B2XF	4.7	0.86	1.105	82.5	9.4	28	8.5	78.7	7	.	.
1404	PHY 499WRF	5.25	0.87	1.16	84.8	7.7	31.7	9.2	75.5	6.2	.	.
1576	NG 5007B2XF	4.65	0.86	1.175	83.8	7.7	29.1	9.1	76.7	6.1	.	.
1578	ST 5471GLTP	4.6	0.86	1.18	83.2	8.1	30.8	8.4	81.1	6.9	.	.
1574	PHY 430W3FE	5.1	0.87	1.115	84.5	7.5	31.4	8.4	77.8	8.1	.	.
1510	DP 1538B2XF	5.2	0.87	1.14	84	7.4	28.4	9.2	78.2	6.4	.	.
1575	DP 1840B3XF	4.7	0.86	1.22	83.2	8	32.1	8.4	78	6.2	.	.
1535	NG 4545B2XF	4.7	0.87	1.12	83	9.1	31.5	7.4	76.1	6.9	.	.
1536	PHY 764WRF	4.25	0.85	1.185	83.4	7.7	35.7	8.2	77.7	7.6	.	.
.	LSD	0.52	0.02	0.048	1.9	1	1.8	0.4	2.3	1.4	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.85	1.07	25	7	1.3	180.5	4.2	0.95	227	5
1577	NG 3522B2XF	0.76	0.96	28	9.1	1.15	186	5.3	0.94	220	10
1404	PHY 499WRF	0.82	1	23.5	7.2	1.17	193.5	3.7	0.98	155	4
1576	NG 5007B2XF	0.85	1.03	21.5	6.5	1.21	181	5.5	0.92	222	4
1578	ST 5471GLTP	0.81	1.01	25.5	7.9	1.21	180.5	5	0.94	161	4
1574	PHY 7430W3FE	0.8	0.98	24	7.5	1.15	197.5	4.2	0.98	157	5
1510	DP 1538B2XF	0.84	0.99	19	5.8	1.16	187	5.5	0.92	158	3
1575	DP 1840B3XF	0.9	1.09	20	5.6	1.29	179.5	5.6	0.92	206	7
1535	NG 4545B2XF	0.78	0.97	25.5	8.1	1.16	185.5	4.8	0.96	171	6
1536	PHY 764WRF	0.77	0.99	27.5	8.7	1.19	166	6.6	0.9	263	9
.	LSD	0.09	0.08	6.1	2.6	0.08	14.8	1.3	0.06	57	6

2018 National Cotton Variety Test

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CENTRAL REGION

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

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR CENTRAL BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	753			9.3	4.69	20.14	3.55	0.76	0.47	1.23
1497	PHY 312WRF	911			9.4	5.32					
1503	FM 1830GLT	666			8.9	5.60					
1516	DP 1646B2XF	1065			7.8	4.51	16.83	3.57	0.57	0.50	1.07
1535	NG 4545B2XF	812			8.9	4.85	21.44	3.51	0.76	0.79	1.54
1536	PHY 764WRF	435			9.8	6.34	19.35	3.72	0.63	0.41	1.03
1537	DP 1522B2XF	916			8.6	4.42					
1551	DG 3385B2XF	976			8.7	4.33					
1552	NG 4601B2XF	1041			8.8	4.65					
.	LSD	274	.	.	0.64	0.68	1.5	0.14	0.11	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	5.10	0.87	1.10	84.2	7.8	30.7	8.7	71.8	7.9	7	66.6
1497	PHY 312WRF	5.10	0.87	1.13	84.2	8.0	29.6	7.9	72.3	7.6	.	.
1503	FM 1830GLT	4.40	0.86	1.18	81.9	8.9	29.9	7.2	62.7	5.9	.	.
1516	DP 1646B2XF	4.80	0.86	1.19	83.3	8.5	28.8	8.9	74.2	7.2	7	59.3
1535	NG 4545B2XF	5.20	0.88	1.09	82.9	8.3	29.0	7.3	72.7	7.5	6	65.9
1536	PHY 764WRF	4.60	0.86	1.10	82.2	9.0	29.9	7.7	69.3	6.4	10	59.8
1537	DP 1522B2XF	5.10	0.86	1.12	84.1	7.8	29.8	9.1	74.2	8.0	.	.
1551	DG 3385B2XF	5.10	0.87	1.10	83.7	8.0	27.4	8.9	73.2	7.8	.	.
1552	NG 4601B2XF	5.40	0.88	1.12	83.6	7.8	30.9	7.9	74.1	7.4	.	.
.	LSD	0.25	0.01	0.04	1.0	1.2	1.7	0.28	2.2	0.60	2.0	9.5

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.75	0.93	26.1	8.7	1.11	190.8	4.4	0.98	108	12
1497	PHY 312WRF	0.80	0.99	24.1	7.7	1.18	189.2	5.5	0.94	98	15
1503	FM 1830GLT	0.72	0.98	36.0	12.1	1.23	162.5	7.8	0.89	206	29
1516	DP 1646B2XF	0.79	0.99	26.5	8.6	1.21	183.0	4.4	0.98	125	10
1535	NG 4545B2XF	0.77	0.94	24.9	8.3	1.12	195.3	4.1	1.00	88	9
1536	PHY 764WRF	0.75	0.94	27.0	9.1	1.14	178.3	5.3	0.94	113	16
1537	DP 1522B2XF	0.78	0.96	23.4	7.8	1.14	186.2	6.3	0.92	101	9
1551	DG 3385B2XF	0.75	0.93	27.0	9.3	1.12	188.0	6.3	0.92	153	10
1552	NG 4601B2XF	0.80	0.98	23.1	7.2	1.17	192.8	5.1	0.96	87	15
.	LSD	0.06	0.04	5.2	2.4	0.04	6.6	1.4	0.03	42	6.0

CENTRAL 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
College Station, TX	675	877	42.4	9.0	5.00	17.57	3.81	0.54	0.44	0.98
Weslaco, TX	1324	1375	45.6	8.7	5.00	21.87	2.88	0.85	0.75	1.60
Corpus Christi, TX	702	828	46.5	8.9	4.33	19.51	3.87	0.69	0.52	1.22

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
College Station, TX	4.40	0.85	1.16	82.6	9.0	29.7	8.1	65.0	6.2	12	61.4
Weslaco, TX	5.20	0.87	1.15	85.1	7.0	30.2	8.3	77.8	8.6	3	71.7
Corpus Christi, TX	5.50	0.88	1.04	83.1	8.1	28.7	8.4	76.2	7.9	5	58.6

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
College Station, TX	0.72	0.96	34.6	11.6	1.19	170.6	7.3	0.89	174	21
Weslaco, TX	0.85	1.01	19.5	5.9	1.19	193.6	4.4	0.98	80	6
Corpus Christi, TX	0.77	0.91	20.9	7.2	1.07	200.6	3.9	0.99	73	9

CENTRAL REGION INDIVIDUAL LOCATION SUMMARIES

Location: College Station, TX

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1497	PHY 312WRF	823	.	.	9.6	5.44	.	.	.	.	.
1552	NG 4601B2XF	802	.	.	8.8	4.26	.	.	.	.	.
1404	PHY 499WRF	706	.	.	9.5	4.81	18.17	3.83	0.58	0.37	0.95
1537	DP 1522B2XF	698	.	.	8.6	4.22	.	.	.	.	.
1516	DP 1646B2XF	697	.	.	8.2	5.25	14.47	3.84	0.49	0.42	0.91
1551	DG 3385B2XF	680	.	.	8.6	3.93	.	.	.	.	.
1503	FM 1830GLT	666	.	.	8.9	5.60	.	.	.	.	.
1535	NG 4545B2XF	567	.	.	9.0	4.49	19.24	3.77	0.64	0.63	1.26
1536	PHY 764WRF	435	.	.	9.3	6.34	18.41	3.78	0.47	0.33	0.80
.	LSD	237	.	.	2.2	2.66	1.85	0.48	0.14	0.08	0.21

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1497	PHY 312WRF	4.35	0.86	1.17	82.8	9.2	28.3	7.9	62.9	6.1	.	.
1552	NG 4601B2XF	4.80	0.86	1.17	82.9	8.9	30.3	7.7	67.4	5.8	.	.
1404	PHY 499WRF	4.50	0.86	1.16	83.0	8.7	30.4	8.4	64.6	6.7	12	58.6
1537	DP 1522B2XF	4.60	0.85	1.15	83.0	9.2	28.8	9.0	64.6	6.8	.	.
1516	DP 1646B2XF	4.15	0.84	1.24	82.0	9.0	28.1	8.9	67.3	5.6	12	57.0
1551	DG 3385B2XF	4.60	0.86	1.14	82.7	9.7	27.9	8.8	67.0	6.7	.	.
1503	FM 1830GLT	4.40	0.86	1.18	81.9	8.9	30.0	7.2	62.7	5.9	.	.
1535	NG 4545B2XF	4.70	0.87	1.14	81.7	9.4	30.1	7.2	65.9	6.5	10	64.6
1536	PHY 764WRF	4.10	0.85	1.16	82.5	8.8	32.8	7.9	61.5	6.1	14	65.4
.	LSD	0.40	0.01	0.06	2.8	2.5	2.5	0.5	5.9	1.3	9	22.3

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1497	PHY 312WRF	0.72	0.98	36.0	12.1	1.23	170.0	8.0	0.87	170	26
1552	NG 4601B2XF	0.75	0.99	33.0	10.5	1.22	172.0	7.7	0.87	138	20
1404	PHY 499WRF	0.71	0.95	35.5	11.9	1.17	174.0	6.6	0.91	192	21
1537	DP 1522B2XF	0.65	0.91	40.0	14.3	1.16	171.0	9.0	0.85	146	18
1516	DP 1646B2XF	0.75	1.00	33.0	10.6	1.25	168.5	5.8	0.93	161	18
1551	DG 3385B2XF	0.67	0.92	38.5	13.6	1.15	171.0	9.0	0.85	214	21
1503	FM 1830GLT	0.72	0.98	36.0	12.0	1.23	162.5	7.8	0.89	206	29
1535	NG 4545B2XF	0.69	0.93	35.5	12.2	1.15	179.0	5.7	0.94	168	13
1536	PHY 764WRF	0.76	0.99	30.0	9.7	1.21	166.0	5.4	0.92	164	24
.	LSD	0.12	0.09	11.5	6	0.07	6.2	2	0.05	150	17

Location： Weslaco, TX

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1552	NG 4601B2XF	1495	.	.	9.0	5.19	.	.	.	.	.
1551	DG 3385B2XF	1429	.	.	9.0	4.98	.	.	.	.	.
1537	DP 1522B2XF	1323	.	.	8.4	4.36	.	.	.	.	.
1535	NG 4545B2XF	1260	.	.	8.6	5.50	24.57	2.91	0.91	1.00	1.90
1497	PHY 312WRF	1183	.	.	8.8	5.50	.	.	.	.	.
1404	PHY 499WRF	878	.	.	9.6	5.03	22.03	2.88	0.97	0.62	1.58
.	LSD	465	.	.	1.6	1.72	4.61	0.7	0.26	0.31	0.56

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1516	DP 1646B2XF	4.85	0.87	1.26	85.9	6.6	30.3	8.6	78.4	8.6	3	68.5
1552	NG 4601B2XF	5.70	0.89	1.14	84.7	7.4	31.7	7.9	77.2	8.4	.	.
1551	DG 3385B2XF	5.35	0.87	1.11	84.7	7.3	26.9	9.0	76.9	8.3	.	.
1537	DP 1522B2XF	4.95	0.86	1.15	84.8	6.7	30.7	9.1	79.6	9.1	.	.
1535	NG 4545B2XF	5.25	0.88	1.13	84.1	7.6	30.2	7.3	77.1	8.1	3	69.2
1497	PHY 312WRF	5.15	0.88	1.16	85.7	6.9	30.4	7.9	78.4	9.0	.	.
1404	PHY 499WRF	5.15	0.87	1.13	86.3	6.8	31.7	8.8	77.1	9.0	4	77.2
.	LSD	0.54	0.01	0.034	2.2	1.2	2.1	0.6	2.9	1.4	2	27.54

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.87	1.06	20.5	5.9	1.27	185.5	3.7	1.00	93	5
1552	NG 4601B2XF	0.89	1.04	17.0	4.7	1.21	200.5	4.0	0.99	60	13
1551	DG 3385B2XF	0.80	0.97	22.5	7.3	1.15	193.5	5.9	0.93	159	5
1537	DP 1522B2XF	0.84	1.00	18.5	5.8	1.17	185.0	5.7	0.94	90	4
1535	NG 4545B2XF	0.85	1.00	19.0	5.6	1.17	203.5	2.7	1.05	40	5
1497	PHY 312WRF	0.87	1.03	19.0	5.5	1.20	191.5	5.2	0.96	58	4
1404	PHY 499WRF	0.83	0.99	20.5	6.0	1.15	195.5	3.5	1.01	59	9
.	LSD	0.08	0.07	6.4	2.8	0.06	9.7	1.3	0.03	55	8

Location: Corpus Christi, TX

VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
PHY 312WRF	795	.	.	9.9	5.04	.	.	.	.	.
NG 4601B2XF	765	.	.	8.7	4.26	.	.	.	.	.
DG 3385B2XF	745	.	.	8.6	4.08	.	.	.	.	.
DP 1646B2XF	706	.	.	7.4	3.86	17.02	4.03	0.55	0.44	0.99
PHY 499WRF	676	.	.	8.7	4.23	20.23	3.94	0.72	0.44	1.15
DP 1522B2XF	619	.	.	8.6	4.26	.	.	.	.	.
NG 4545B2XF	611	.	.	9.0	4.57	20.53	3.85	0.73	0.74	1.46
LSD	217	.	.	0.7	0.68	2.14	0.47	0.11	0.06	0.17

VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
PHY 312WRF	5.70	0.89	1.07	84.1	7.9	30.2	8.0	75.9	7.8	.	.
NG 4601B2XF	5.85	0.89	1.07	83.0	7.6	30.5	8.1	77.6	8.1	.	.
DG 3385B2XF	5.50	0.87	1.05	83.6	6.9	27.4	8.8	75.9	8.5	.	.
DP 1646B2XF	5.40	0.87	1.07	82.1	9.8	28.1	9.2	77.1	7.6	6	52.3
PHY 499WRF	5.55	0.88	1.00	83.4	8.0	30.1	9.0	73.9	8.2	5	63.9
DP 1522B2XF	5.70	0.88	1.05	83.9	8.0	29.7	9.3	77.0	8.6	.	.
NG 4545B2XF	5.55	0.89	1.02	83.0	7.9	26.9	7.5	75.1	8.0	4	63.8
LSD	0.17	0.01	0.06	1.2	1.4	2.5	0.3	3.7	0.9	25	27.2

VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
PHY 312WRF	0.82	0.96	17.5	5.4	1.10	206.0	3.4	1.00	65	16
NG 4601B2XF	0.77	0.92	21.5	7.2	1.09	203.0	4.2	0.99	71	12
DG 3385B2XF	0.78	0.91	19.5	6.8	1.05	199.5	4.0	0.98	88	6
DP 1646B2XF	0.75	0.92	26.0	9.3	1.11	195.0	3.6	1.01	120	9
PHY 499WRF	0.73	0.86	22.5	8.0	0.99	203.0	3.3	1.02	72	6
DP 1522B2XF	0.82	0.95	15.5	5.0	1.09	204.0	3.5	0.99	56	4
NG 4545B2XF	0.76	0.90	20.5	7.0	1.05	203.5	3.6	1.02	55	10
LSD	0.08	0.06	6.9	3	0.06	6.2	1.3	0.03	67	12

2018 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.

DELTA REGION

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

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR DELTA BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1441	1670	43.9	10.0	4.73	20.58	3.39	0.81	0.58	1.39
1516	DP 1646B2XF	1348	1598	44.8	8.7	5.04	16.52	3.52	0.63	0.56	1.19
1529	DP 1518B2XF	1387	1832	41.7	9.2	4.83	.	.	.	.	.
1535	NG 4545B2XF	1206	1581	41.4	9.7	5.22	20.92	3.45	0.81	0.80	1.61
1536	PHY 764WRF	848	1191	40.1	10.7	5.19	20.98	3.87	0.62	0.47	1.09
1537	DP 1522B2XF	1366	1666	43.9	9.6	4.76	.	.	.	.	.
1542	PHY 330W3FE	1442	1706	45.3	9.2	4.54	.	.	.		.
1549	TAM 121-72	1137	1473	43.5	10.8	5.46	.	.	.	.	.
1577	NG 3522B2XF	1170	1527	42.5	9.6	5.00	.	.	.	.	.
1578	ST 5471GLTP	1408	1823	41.9	10.6	5.65	.	.	.	.	.
.	LSD	224	292	1.9	0.53	0.62	1.9	0.28	0.14	0.09	0.20

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	4.90	0.86	1.17	85.8	6.9	31.3	8.7	72.9	6.9	7	74.0
1516	DP 1646B2XF	4.60	0.85	1.27	85.1	6.7	29.0	8.7	75.1	6.0	5	69.8
1529	DP 1518B2XF	4.50	0.86	1.19	84.7	8.1	29.3	7.8	73.5	6.2	.	.
1535	NG 4545B2XF	4.90	0.87	1.16	84.0	8.0	32.2	6.9	73.9	7.1	7	73.2
1536	PHY 764WRF	4.20	0.85	1.19	85.2	6.9	34.9	7.9	73.5	6.9	8	80.4
1537	DP 1522B2XF	5.00	0.86	1.17	85.2	7.2	30.3	8.9	73.4	6.3	.	.
1542	PHY 330W3FE	4.60	0.86	1.16	84.3	8.1	30.5	7.7	73.1	7.4	.	.
1549	TAM 121-72	4.20	0.85	1.26	85.6	6.4	31.1	7.8	75.6	7.1	.	.
1577	NG 3522B2XF	4.80	0.87	1.15	84.0	8.2	28.5	7.7	73.9	6.8	.	.
1578	ST 5471GLTP	4.60	0.86	1.18	84.0	7.6	31.6	7.8	75.6	6.2	.	.
.	LSD	0.28	0.01	0.05	1.2	0.94	2.5	0.31	2.4	0.69	1.9	11.4

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1404	PHY 499WRF	0.82	1.01	23.1	7.1	1.19	190.6	3.9	0.98	86	8
1516	DP 1646B2XF	0.86	1.07	23.9	7.3	1.30	180.6	4.3	0.97	92	7
1529	DP 1518B2XF	0.84	1.03	22.8	7.1	1.23	181.0	4.4	0.97	101	10
1535	NG 4545B2XF	0.83	1.01	22.8	7.0	1.21	194.6	3.7	1.01	68	6
1536	PHY 764WRF	0.86	1.04	20.9	6.3	1.23	171.9	4.6	0.96	100	12
1537	DP 1522B2XF	0.85	1.02	19.9	6.1	1.21	193.7	4.2	0.98	81	6
1542	PHY 330W3FE	0.83	1.01	22.4	7.2	1.20	183.7	4.9	0.96	83	6
1549	TAM 121-72	0.89	1.09	21.6	6.3	1.31	177.5	4.8	0.96	90	6
1577	NG 3522B2XF	0.80	0.98	24.3	7.9	1.18	189.8	4.8	0.96	86	7
1578	ST 5471GLTP	0.84	1.02	22.2	6.9	1.22	180.9	4.6	0.96	63	8
.	LSD	0.04	0.04	2.8	1.2	0.05	8.6	0.75	0.03	33	4.5

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
Saint Joseph, LA	1101	1505	41.88	10.3	5.7	17.56	3.94	0.56	0.48	1.05
Jackson, TN	1656	2085	42.71	9.36	4.71	.	.	.	.	.
Portageville, MO	1201	1511	43.09		5.06	20.16	3.49	0.72	0.62	1.34
Keiser, AR	1100	1367	44.77	9.4	4.16	20.94	2.92	0.78	0.67	1.44

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
Saint Joseph, LA	4.6	0.86	1.19	84.2	7.9	31.3	7.8	72.2	6.2	9	77.8
Jackson, TN	4.5	0.86	1.17	84.9	7.1	30.9	8.3	72	7.9	5	73.9
Portageville, MO	4.7	0.86	1.25	86.3	6.7	32.2	8	74.1	5.4	5	74.0
Keiser, AR	4.5	0.86	1.22	85.6	6.8	30.7	8.1	75.2	6.7	7	72.8

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Saint Joseph, LA	0.82	1.02	24.4	7.5	1.23	181.5	5.09	0.95	85	7
Jackson, TN	0.82	1.01	23.5	7.4	1.21	184.0	4.33	0.97	102	9
Portageville, MO	0.88	1.07	20.4	6.0	1.28	186.0	3.75	0.99	96	8
Keiser, AR	0.90	1.08	18.9	5.4	1.27	180.8	4.37	0.97	75	9

DELTA REGION INDIVIDUAL LOCATION SUMMARIES

Location: Saint Joseph, LA

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1537	DP 1522B2XF	1298	1671	43.7	10.1	5.29	.	.	.	.	.
1578	ST 5471 GLTP	1295	1905	40.2	10.9	6.20	.	.	.	.	.
1542	PHY 330W3FE	1281	1563	45.1	9.7	4.97	.	.	.	.	.
1516	DP 1646B2XF	1221	1523	44.5	9.0	5.13	13.71	4.15	0.43	0.44	0.87
1404	PHY 499WRF	1208	1594	43.1	10.4	5.36	18.48	3.75	0.48	0.47	0.95
1549	TAM 12I-72	1186	1532	43.7	11.5	5.81	.	.	.	.	.
1529	DP 1518B2XF	1145	1694	40.2	9.6	5.75	.	.	.	.	.
1577	NG 3522B2XF	878	1195	42.1	10.3	5.98	.	.	.	.	.
1535	NG 4545B2XF	843	1365	38.8	10.2	6.88	17.20	3.73	0.61	0.63	1.24
1536	PHY 764WRF	652	1012	39.2	11.6	5.76	18.39	4.15	0.47	0.35	0.82
.	LSD	253	355	3.1	0.8	1.02	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1537	DP 1522B2XF	5.30	0.87	1.17	83.9	7.7	31.5	8.6	70.5	4.9	.	.
1578	ST 5471 GLTP	4.60	0.86	1.18	83.1	8.0	35.6	7.2	78.9	5.3	.	.
1542	PHY 330W3FE	4.80	0.87	1.16	83.7	8.2	30.9	7.6	74.2	6.5	.	.
1516	DP 1646B2XF	4.70	0.86	1.28	84.7	6.8	28.1	8.5	73.8	5.0	6	73.9
1404	PHY 499WRF	4.70	0.86	1.21	86.3	6.7	33.6	8.4	73.1	6.8	.	.
1549	TAM 12I-72	4.40	0.86	1.28	85.9	6.1	34.5	7.6	73.0	5.7	.	.
1529	DP 1518B2XF	4.70	0.86	1.11	81.4	10.6	28.6	7.8	73.6	5.7	.	.
1577	NG 3522B2XF	4.60	0.86	1.11	83.1	9.7	28.5	7.5	75.3	6.8	.	.
1535	NG 4545B2XF	5.10	0.88	1.16	83.8	8.4	32.9	6.8	72.7	6.6	8	75.7
1536	PHY 764WRF	4.60	0.86	1.16	84.0	7.6	32.0	7.6	73.9	6.6	5	83.5
.	LSD	.	.	.	.	.	.	.	.	.	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1537	DP 1522B2XF	0.80	0.98	23.0	7.3	1.16	194.0	4.9	0.96	94	6
1578	ST 5471 GLTP	0.87	1.04	20.0	5.8	1.24	173.0	4.8	0.94	50	4
1542	PHY 330W3FE	0.85	1.03	22.0	6.7	1.22	187.0	4.5	0.97	49	8
1516	DP 1646B2XF	0.82	1.05	27.0	8.5	1.30	181.0	5.0	0.95	78	4
1404	PHY 499WRF	0.86	1.06	23.0	6.4	1.26	191.0	4.0	0.99	54	8
1549	TAM 12I-72	0.89	1.09	21.0	5.8	1.30	181.0	5.0	0.95	58	5
1529	DP 1518B2XF	0.79	0.97	25.0	7.9	1.17	191.0	4.4	0.98	64	3
1577	NG 3522B2XF	0.80	0.98	23.0	7.2	1.16	182.0	5.9	0.93	82	8
1535	NG 4545B2XF	0.81	0.99	22.0	6.7	1.18	197.0	4.1	1.00	50	8
1536	PHY 764WRF	0.82	1.01	24.0	7.2	1.21	173.0	5.0	0.94	113	8
.	LSD	.	.	.	.	.	.	.	.	.	.

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
1542	PHY 330W3FE	1943	2135	45.7	8.6	4.82	.	.	.	.	.
1516	DP 1646B2XF	1842	2103	44.8	8.2	4.51	.	.	.	.	.
1577	NG 3522B2XF	1758	2108	43.7	8.4	4.77	.	.	.	.	.
1404	PHY 499WRF	1751	1993	43.6	9.7	4.62	.	.	.	.	.
1578	ST 5471GLTP	1750	2232	42.5	10.6	5.56	.	.	.	.	.
1537	DP 1522B2XF	1698	2232	41.5	9.1	4.37	.	.	.	.	.
1529	DP 1518B2XF	1634	2221	41.2	8.8	4.32	.	.	.	.	.
1549	TAM 12I-72	1599	2151	43.2	10.5	4.69	.	.	.	.	.
1535	NG 4545B2XF	1481	2049	41.6	9.6	4.98	.	.	.	.	.
1536	PHY 764WRF	1107	1624	39.4	10	4.51	.	.	.	.	.
.	LSD	185	323	1.6	0.9	0.72	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1542	PHY 330W3FE	4.85	0.87	1.16	84.8	7.8	31.8	7.9	68.5	8.6	.	.
1516	DP 1646B2XF	4.60	0.85	1.24	85.7	6.6	28.7	8.9	74.5	7.2	4	62.5
1577	NG 3522B2XF	4.75	0.87	1.14	84.6	7.3	28.6	8.1	71.3	8.2	.	.
1404	PHY 499WRF	4.90	0.86	1.15	85.3	7.1	30.8	9.0	70.9	7.8	5	83.0
1578	ST 5471GLTP	4.35	0.85	1.20	84.2	7.2	30.5	8.3	72.9	7.1	.	.
1537	DP 1522B2XF	4.80	0.86	1.13	84.7	7.4	29.6	9.4	72.8	7.5	.	.
1529	DP 1518B2XF	4.10	0.85	1.17	85.5	7.5	29.8	8.0	73.2	7.7	.	.
1549	TAM 12I-72	4.20	0.85	1.24	86.4	6.2	31.3	8.0	73.8	8.2	.	.
1535	NG 4545B2XF	4.75	0.87	1.15	84.5	7.4	32.2	7.2	71.9	8.5	5	69.5
1536	PHY 764WRF	4.05	0.85	1.15	84.0	7.3	35.9	8.0	70.9	8.3	7	80.6
.	LSD	0.38	0.01	0.038	0.6	0.9	1.8	0.3	2.9	1.3	7	16.69

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1542	PHY 330W3FE	0.81	0.98	23.5	7.5	1.17	192.5	4.3	0.99	90	8
1516	DP 1646B2XF	0.88	1.09	22.0	6.4	1.30	182.0	3.9	0.98	85	8
1577	NG 3522B2XF	0.77	0.95	26.5	9.1	1.15	194.5	4.7	0.97	120	9
1404	PHY 499WRF	0.83	1.01	23.5	6.8	1.19	186.5	3.7	0.98	77	10
1578	ST 5471GLTP	0.80	0.98	25.0	8.1	1.18	187.0	4.2	0.98	65	10
1537	DP 1522B2XF	0.84	1.01	21.0	6.4	1.19	188.5	4.7	0.96	95	7
1529	DP 1518B2XF	0.83	1.02	23.5	7.5	1.21	171.0	4.7	0.94	138	11
1549	TAM 12I-72	0.88	1.08	22.0	6.5	1.30	179.5	4.6	0.97	94	6
1535	NG 4545B2XF	0.83	1.01	22.5	6.8	1.19	191.0	3.5	1.01	91	8
1536	PHY 764WRF	0.79	0.98	25.5	8.5	1.17	167.5	5.0	0.93	164	19
.	LSD	0.06	0.06	5.4	2.5	0.05	4.7	0.5	0.01	82	11

Location: Portageville, MO

` 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	1572	1819	44.1	.	5.02	21.89	3.16	0.87	0.69	1.56
1529	DP 1518B2XF	1434	1929	43.0	.	4.54	.	.	.	.	.
1578	ST 5471GLTP	1415	1855	42.5	.	5.14	.	.	.	.	.
1535	NG 4545B2XF	1395	1701	44.1	.	5.11	21.45	3.35	0.85	0.83	1.68
1537	DP 1522B2XF	1341	1257	46.8	.	4.4	.	.	.	.	.
1542	PHY 330W3FE	1322	1542	44.6	.	4.75	.	.	.	.	.
1577	NG 3522B2XF	1021	1717	39.5	.	4.54	.	.	.	.	.
1516	DP 1646B2XF	985	1225	44.7	.	5.47	16.52	3.53	0.57	0.53	1.10
1549	TAM 12I-72	833	901	42.5	.	5.7	.	.	.	.	.
1536	PHY 764WRF	694	1187	40.0	.	5.84	20.78	3.94	0.57	0.44	1.01
.	LSD	289	258	1.8	.	1.09	1.2	0.41	0.1	0.08	0.16

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.70	0.86	1.21	87.8	6.4	30.4	9.1	72.3	5.5	6	64.1
1529	DP 1518B2XF	4.75	0.87	1.24	85.9	7.6	30.7	7.9	73.2	4.9	.	.
1578	ST 5471GLTP	4.95	0.87	1.18	84.3	8.1	32.2	7.7	73.5	5.4	.	.
1535	NG 4545B2XF	5.15	0.88	1.23	85.9	7.2	35.7	6.6	74.0	5.7	5	78.9
1537	DP 1522B2XF	5.10	0.87	1.25	87.0	6.4	31.0	8.9	71.0	5.0	.	.
1542	PHY 330W3FE	4.80	0.86	1.25	85.9	6.9	32.9	7.9	75.4	4.7	.	.
1577	NG 3522B2XF	5.00	0.88	1.29	86.4	6.7	34.2	7.2	72.6	5.2	.	.
1516	DP 1646B2XF	4.30	0.85	1.30	86.6	6.4	30.1	9.0	77.4	5.1	5	79.2
1549	TAM 12I-72	3.75	0.84	1.32	86.1	5.8	30.5	7.9	77.5	6.9	.	.
1536	PHY 764WRF	4.20	0.85	1.25	87.1	6.3	34.6	8.3	75.0	6.1	6	73.8
.	LSD	0.47	0.02	0.043	1.9	1.3	2.4	0.5	2.4	1.3	5	48.96

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.87	1.04	19.0	5.9	1.21	192.5	3.5	0.99	129	6
1529	DP 1518B2XF	0.87	1.06	21.0	6.3	1.27	184.0	3.9	0.99	119	17
1578	ST 5471GLTP	0.86	1.05	21.0	6.3	1.25	186.0	3.6	1.00	86	8
1535	NG 4545B2XF	0.89	1.07	19.5	5.6	1.27	201.5	2.9	1.03	42	3
1537	DP 1522B2XF	0.91	1.09	18.5	5.4	1.28	198.0	3.0	1.01	69	8
1542	PHY 330W3FE	0.91	1.06	16.0	4.6	1.24	201.0	2.8	1.03	54	5
1577	NG 3522B2XF	0.85	1.07	24.0	7.3	1.29	189.0	3.5	1.01	82	9
1516	DP 1646B2XF	0.90	1.09	20.5	6.1	1.32	178.5	4.0	0.97	127	6
1549	TAM 12I-72	0.88	1.11	24.5	7.3	1.35	166.0	5.2	0.94	142	6
1536	PHY 764WRF	0.93	1.11	17.5	4.9	1.30	171.0	4.5	0.97	88	17
.	LSD	0.08	0.06	4.8	2.2	0.05	12.9	0.7	0.03	81	9

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
1516	DP 1646B2XF	1312	1580	46.0	8.6	4.38	18.26	3.00	0.64	0.63	1.26
1529	DP 1518B2XF	1275	1553	44.1	9.1	3.63	.	.	.	.	.
1542	PHY 330W3FE	1183	1573	45.8	8.9	3.51	.	.	.	.	.
1404	PHY 499WRF	1176	1315	45.9	9.5	3.47	20.43	2.62	0.92	0.62	1.54
1578	ST 5471GLTP	1146	1260	43.9	10.1	4.90	.	.	.	.	.
1537	DP 1522B2XF	1110	1506	44.4	9.2	4.64	.	.	.	.	.
1535	NG 4545B2XF	1014	1319	43.4	9.4	3.86	22.18	2.98	0.87	0.88	1.75
1577	NG 35211B2XF	950	1256	45.0	9.4	4.26	.	.	.	.	.
1549	TAM 12I-72	941	1278	45.9	10.1	4.75	.	.	.	.	.
1536	PHY 764WRF	890	1031	43.3	9.8	4.23	22.91	3.07	0.69	0.55	1.23
.	LSD	243	399	0.9	0.9	1	1.66	0.59	0.04	0.05	0.08

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1516	DP 1646B2XF	4.50	0.85	1.33	85.5	5.6	28.7	8.8	76.7	6.3	4	65.7
1529	DP 1518B2XF	4.35	0.85	1.24	86.2	6.9	29.4	8.2	76.8	6.1	.	.
1542	PHY 330W3FE	4.55	0.86	1.19	86.2	7.1	31.2	7.8	73.3	7.1	.	.
1404	PHY 499WRF	4.95	0.86	1.16	86.0	6.9	32.1	8.6	73.5	7.5	8	74.9
1578	ST 5471GLTP	4.40	0.85	1.23	85.3	7.0	31.0	8.1	77.7	6.0	.	.
1537	DP 1522B2XF	5.05	0.86	1.21	86.3	6.3	30.1	9.2	74.9	6.9	.	.
1535	NG 4545B2XF	4.90	0.88	1.18	84.7	7.1	32.2	7.0	73.5	6.9	7	70.9
1577	NG 35211B2XF	4.60	0.86	1.15	84.4	7.8	26.8	7.7	74.7	7.1	.	.
1549	TAM 12I-72	4.20	0.85	1.27	85.9	6.8	30.1	7.8	77.1	7.1	.	.
1536	PHY 764WRF	4.05	0.85	1.23	85.9	6.5	35.4	7.8	74.1	6.8	8	79.6
.	LSD	0.29	0.01	0.038	2	0.8	1.7	0.2	3.1	0.6	5	29.69

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.93	1.13	20.5	5.6	1.36	174.5	4.6	0.95	69	8
1529	DP 1518B2XF	0.91	1.10	19.5	5.6	1.30	175.0	4.2	0.96	92	8
1542	PHY 330W3FE	0.92	1.08	17.0	4.9	1.27	177.5	5.0	0.95	62	7
1404	PHY 499WRF	0.83	1.01	21.5	6.5	1.18	188.5	4.2	0.98	82	15
1578	ST 5471GLTP	0.89	1.07	18.5	5.4	1.25	172.5	5.4	0.93	62	10
1537	DP 1522B2XF	0.91	1.06	16.5	4.7	1.23	195.0	3.5	0.99	92	8
1535	NG 4545B2XF	0.89	1.07	19.5	5.4	1.26	191.0	3.5	1.01	64	9
1577	NG 35211B2XF	0.85	1.02	20.5	6.1	1.20	187.5	4.7	0.96	78	7
1549	TAM 12I-72	0.95	1.14	17.5	4.7	1.35	175.5	4.2	0.98	76	8
1536	PHY 764WRF	0.91	1.09	17.5	4.8	1.26	171.0	4.3	0.97	76	8
.	LSD	0.04	0.03	3.2	1.1	0.04	5.7	0.8	0.03	30	9

2018 National Cotton Variety Test

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WESTERN REGION

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

2018 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	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	2222	2847	43.9	8.7	3.74	18.37	4.02	0.67	0.42	1.09
1479	DG 2355B2RF	2018	3092	40.0	10.4	4.35	.	.	.	.	.
1516	DP 1646B2XF	1912	2469	43.7	7.9	3.30	16.06	3.91	0.54	0.48	1.02
1535	NG 4545B2XF	1757	2562	41.4	8.9	3.67	20.75	3.97	0.72	0.67	1.39
1536	PHY 764WRF	1815	2605	41.6	9.9	3.89	19.45	4.18	0.49	0.36	0.85
1553	ACALA DAYTONA RF	1704	2340	42.8	9.3	3.69	.	.	.	.	.
1554	DP 1549B2XF	2267	2992	43.4	8.5	3.55	.	.	.	.	.
	LSD	528	546	3.0	0.81	0.54	.	.	.	.	.

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	4.90	0.86	1.11	83.9	8.1	32.2	8.5	68.5	7.5	9	76.4
1479	DG 2355B2RF	4.60	0.86	1.12	82.7	8.8	31.2	8.5	70.9	7.4	.	.
1516	DP 1646B2XF	4.70	0.86	1.24	83.3	7.6	30.4	8.3	72.7	7.0	7	70.7
1535	NG 4545B2XF	4.90	0.87	1.11	82.1	9.4	30.6	7.0	70.7	7.8	9	81.0
1536	PHY 764WRF	4.40	0.86	1.16	83.7	8.2	35.8	7.8	67.6	7.5	13	84.7
1553	ACALA DAYTONA RF	4.50	0.86	1.17	84.1	7.8	35.8	7.4	70.0	7.7	.	.
1554	DP 1549B2XF	4.30	0.86	1.14	82.9	8.9	32.7	7.5	71.2	7.8	.	.
.	LSD	0.40	0.01	0.06	2.2	1.7	4.4	0.45	4.3	0.97	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.77	0.96	26.3	8.5	1.15	186.2	4.6	0.97	112	11
1479	DG 2355B2RF	0.75	0.95	28.0	9.5	1.15	181.0	5.0	0.95	148	13
1516	DP 1646B2XF	0.80	1.02	27.9	9.1	1.25	176.5	4.8	0.95	126	6
1535	NG 4545B2XF	0.76	0.95	26.8	9.0	1.14	188.0	4.5	0.98	118	11
1536	PHY 764WRF	0.80	1.00	26.0	8.6	1.21	169.7	5.5	0.93	144	17
1553	ACALA DAYTONA RF	0.81	0.99	24.2	8.0	1.20	172.2	4.5	0.97	133	15
1554	DP 1549B2XF	0.70	0.92	34.3	12.2	1.14	172.3	5.9	0.93	161	9
.	LSD	0.06	0.07	4.5	2.4	0.06	8.8	1.1	0.02	55	5.4

WESTERN 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
Five Points, CA	2072	2576	44.7	10.3	5.15	20.05	3.91	0.67	0.53	1.19
Las Cruces, NM	1050	1428	42.5	8.1	4.70	.	.	.	.	.
Maricopa , AZ	2753	4102	40.0	9.8	2.29	17.26	4.13	0.55	0.44	0.98

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
Five Points, CA	4.5	0.86	1.18	83.7	7.8	33.9	8.0	69.1	9.2	14	71.9
Las Cruces, NM	4.8	0.86	1.11	83.1	9.0	29.7	8.0	68.5	6.0	.	.
Maricopa , AZ	4.5	0.86	1.16	82.9	8.4	34.4	7.6	73.1	7.4	6	84.6

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Five Points, CA	0.76	0.99	29.9	9.7	1.21	174.4	5.5	0.94	136	19
Las Cruces, NM	0.73	0.92	29.2	10.5	1.12	180.8	5.2	0.94	107	9
Maricopa , AZ	0.82	1.00	23.8	7.6	1.21	178.7	4.1	0.98	160	7

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	2306	2580	47.2	9.2	4.94	20.33	4.10	0.75	0.47	1.21
1516	DP 1646B2XF	2280	2646	46.3	.	.	16.44	3.59	0.56	0.51	1.07
1479	DG 2355B2RF	2090	2951	41.5	12.0	5.86	.	.	.	.	.
1536	PHY 764WRF	2073	2649	44.0	10.4	5.20	20.53	3.92	0.56	0.41	0.97
1535	NG 4545B2XF	2068	2676	43.6	9.6	5.12	22.77	3.93	0.80	0.72	1.51

1554	DP 1549B2XF	1927	2362	44.9	9.2	4.58	.	.	.	.	.
1553	Acala Daytona RF	1809	2184	45.3	10.4	5.84	.	.	.	.	.
.	LSD	323	447	1.3	6.7	1.22	2.13	0.23	0.13	0.07	0.18

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.85	0.87	1.15	83.8	7.9	33.5	8.5	66.3	9.1	18	73.9
1516	DP 1646B2XF	4.60	0.85	1.30	84.5	6.1	30.3	8.7	74.9	8.9	9	68.3
1479	DG 2355B2RF	4.75	0.86	1.17	83.1	8.0	31.4	8.5	70.0	8.6	.	.
1536	PHY 764WRF	4.15	0.86	1.21	84.7	7.6	38.4	8.0	66.9	9.3	19	81.5
1535	NG 4545B2XF	4.85	0.87	1.11	82.5	9.1	30.8	7.1	70.2	9.2	12	64.2
1554	DP 1549B2XF	3.75	0.85	1.17	82.5	8.5	34.4	7.7	69.1	9.8	.	.
1553	Acala Daytona RF	4.55	0.87	1.20	85.3	6.8	38.1	7.5	68.7	9.8	.	.
.	LSD	0.86	0.02	0.105	1.7	1.7	2.5	0.4	5.8	1	79	47.74

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.75	0.97	30.0	9.4	1.17	179.0	5.5	0.95	130	21
1516	DP 1646B2XF	0.83	1.07	27.0	8.0	1.31	175.0	4.6	0.95	106	9
1479	DG 2355B2RF	0.78	0.99	28.5	8.8	1.20	181.0	5.2	0.95	128	19
1536	PHY 764WRF	0.80	1.02	28.0	8.8	1.25	166.5	6.0	0.93	119	25
1535	NG 4545B2XF	0.74	0.95	29.5	9.8	1.15	188.0	4.8	0.99	108	19
1554	DP 1549B2XF	0.66	0.92	40.0	14.5	1.17	159.5	7.5	0.89	216	18
1553	Acala Daytona RF	0.82	1.03	25.0	7.7	1.25	170.5	5.0	0.96	130	22
.	LSD	0.05	0.07	4.8	1.7	0.09	14.2	1.5	0.05	80	14

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
1479	DG 2355B2RF	1390	2001	41.1	9.4	5.27	.	.	.	.	.
1516	DP 1646B2XF	1209	1656	42.2	7.0	4.20	.	.	.	.	.
1553	Acala Daytona RF	1094	1417	43.8	8.6	4.83	.	.	.	.	.
1536	PHY 764WRF	1085	1453	42.7	8.2	4.84	.	.	.	.	.
1554	DP 1549B2XF	1029	1359	43.1	7.6	4.39	.	.	.	.	.
1535	NG 4545B2XF	780	1048	42.4	8.1	4.84	.	.	.	.	.
1404	PHY 499WRF	764	1066	42.2	7.7	4.55	.	.	.	.	.
.	LSD	517	714	2.2	0.5	0.44	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1479	DG 2355B2RF	5.05	0.87	1.05	81.6	10.2	27.6	8.8	68.1	6.2	.	.
1516	DP 1646B2XF	4.60	0.86	1.21	83.4	8.3	29.1	8.3	71.7	5.7	.	.
1553	Acala Daytona RF	4.65	0.87	1.09	83.8	8.8	31.3	7.4	66.2	5.8	.	.
1536	PHY 764WRF	4.55	0.86	1.13	82.3	9.4	31.0	8.0	64.9	5.6	.	.
1554	DP 1549B2XF	4.45	0.86	1.12	83.6	8.8	30.6	7.6	72.4	6.2	.	.
1535	NG 4545B2XF	5.25	0.88	1.08	83.1	9.0	30.2	6.9	68.3	6.5	.	.
1404	PHY 499WRF	5.10	0.86	1.08	83.9	8.6	28.8	8.8	68.4	6.3	.	.
.	LSD	0.21	0.01	0.06	3.0	2.1	2.8	0.6	4.7	0.9	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1479	DG 2355B2RF	0.72	0.90	29.5	10.7	1.08	192.5	4.9	0.96	86	11
1516	DP 1646B2XF	0.74	0.95	30.5	10.8	1.19	171.0	5.5	0.92	136	5
1553	Acala Daytona RF	0.76	0.92	25.5	9.3	1.11	180.0	4.3	0.97	100	13
1536	PHY 764WRF	0.75	0.94	29.0	10.3	1.15	176.0	5.8	0.92	104	14
1554	DP 1549B2XF	0.67	0.89	35.5	13.6	1.11	167.0	6.4	0.91	140	5
1535	NG 4545B2XF	0.74	0.92	27.0	9.4	1.11	193.0	4.4	0.98	92	6
1404	PHY 499WRF	0.74	0.92	27.5	9.5	1.10	186.0	4.9	0.95	95	11
.	LSD	0.12	0.1	9.3	5.5	0.08	16.8	1.6	0.05	76	12

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PIMA REGION

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

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR PIMA BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1513	DP 348RF	1306	2062	39.3	13.8	3.40	19.97	3.99	0.53	0.57	1.09
1531	PHY 841RF	1118	1591	41.0	14.4	3.61	18.38	3.56	0.60	0.63	1.23
1532	PHY 881RF	1227	1943	38.8	14.7	3.93	18.67	3.78	0.54	0.54	1.08
1555	PHY 888RF	1512	2373	39.3	14.3	4.17	19.86	3.90	0.52	0.51	1.03
1579	DP 341RF	1418	2097	40.2	13.9	3.66	20.26	3.83	0.55	0.58	1.13
.	LSD	485	939	4.6	.	0.46	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1513	DP 348RF	4.10	0.86	1.51	89.8	5.0	56.9	7.9	71.6	11.2	16	93.0
1531	PHY 841RF	4.70	0.87	1.51	89.6	5.0	50.9	8.5	72	11.5	18	85.5
1532	PHY 881RF	4.60	0.87	1.53	89.6	5.0	49.2	8.1	73.4	10.8	12	99.7
1555	PHY 888RF	4.20	0.86	1.59	88.9	5.0	49.6	8.2	70.4	11.6	11	89.6
1579	DP 341RF	4.10	0.86	1.50	89.0	5.0	49.7	8.2	70.7	12	12	95.7

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1513	DP 348RF	1.00	1.24	19.9	4.7	1.48	153.0	4.3	1.00	57	8
1531	PHY 841RF	1.04	1.28	19.0	4.6	1.55	152.5	5.4	0.95	38	2
1532	PHY 881RF	1.00	1.26	19.9	5.0	1.53	155.0	5.2	0.96	34	3
1555	PHY 888RF	1.04	1.32	20.5	4.8	1.59	157.5	5.1	0.98	39	4
1579	DP 341RF	0.95	1.23	23.5	5.8	1.49	149.5	5.3	0.97	48	5

PIMA 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
Five Points, CA	1473	2056	41.9	14.2	3.73	19.43	3.81	0.55	0.56	1.11
Las Cruces, NM	1159	1971	37.5		3.76	.	.	.	.	.

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
Five Points, CA	4.3	0.86	1.53	89.3	5.0	51.3	8.2	71.6	11.4	14	92.7
Las Cruces, NM	.	.	.	.	.	.	.	.	.	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Five Points, CA	1.00	1.26	20.5	5.0	1.53	153.5	5.1	0.97	43	4
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
1579	DP 341RF	1711	2450	41.1	13.9	3.70	20.26	3.83	0.55	0.58	1.13
1513	DP 348RF	1557	2135	42.4	13.8	3.29	19.98	4.00	0.53	0.57	1.09
1555	PHY 888RF	1510	2073	42.3	14.3	4.00	19.86	3.90	0.52	0.51	1.03
1532	PHY 881RF	1296	1812	41.8	14.7	3.93	18.67	3.78	0.54	0.54	1.08
1531	PHY 841RF	1294	1812	41.8	14.4	3.79	18.38	3.56	0.60	0.63	1.23
.	LSD	325	546	1.6	1.6	0.27	1.49	0.52	0.16	0.18	0.33

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1579	DP 341RF	4.10	0.86	1.50	89.0	5.0	49.7	8.2	70.7	12.0	12	95.7
1513	DP 348RF	4.10	0.86	1.51	89.8	5.0	57.0	7.9	71.6	11.3	16	93.0
1555	PHY 888RF	4.15	0.86	1.59	88.9	5.0	49.6	8.2	70.4	11.6	11	89.6
1532	PHY 881RF	4.65	0.87	1.53	89.6	5.0	49.2	8.1	73.4	10.9	12	99.7
1531	PHY 841RF	4.70	0.87	1.51	89.6	5.0	51.0	8.5	72.0	11.5	18	85.5
.	LSD	0.31	0.01	0.089	3.1	0.1	4.9	0.8	2.3	1	13	26.8

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1579	DP 341RF	0.95	1.23	23.5	5.7	1.49	149.5	5.3	0.97	48	5
1513	DP 348RF	1.00	1.24	20.0	4.7	1.48	153.0	4.3	1.00	57	8
1555	PHY 888RF	1.04	1.32	20.5	4.8	1.59	157.5	5.1	0.98	39	4
1532	PHY 881RF	1.00	1.26	20.0	5.0	1.53	155.0	5.2	0.96	34	3
1531	PHY 841RF	1.04	1.28	19.0	4.5	1.55	152.5	5.4	0.95	38	2
.	LSD	0.1	0.07	8	2.3	0.09	16.2	2.3	0.07	26	10

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
1555	PHY 888RF	1515	2674	36.2	.	4.29	.	.	.	.	.
1532	PHY 881RF	1159	2074	35.8	.	3.94	.	.	.	.	.
1579	LSD	1125	1744	39.2	.	3.62	.	.	.	.	.
1513	DP 348RF	1055	1990	36.3	.	3.52	.	.	.	.	.
1531	PHY 841RF	942	1371	40.1	.	3.42	.	.	.	.	.
.	LSD	476	1013	4.4	.	1.09	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1555	PHY 888RF	.	.	.	.	.	.	.	.	.	.	.
1532	PHY 881RF	.	.	.	.	.	.	.	.	.	.	.
1579	LSD	.	.	.	.	.	.	.	.	.	.	.
1513	DP 348RF	.	.	.	.	.	.	.	.	.	.	.
1531	PHY 841RF	.	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1555	PHY 888RF	.	.	.	.	.	.	.	.	.	.
1532	PHY 881RF	.	.	.	.	.	.	.	.	.	.
1579	LSD	.	.	.	.	.	.	.	.	.	.
1513	DP 348RF	.	.	.	.	.	.	.	.	.	.
1531	PHY 841RF	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

2018 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.

REGIONAL HIGH QUALITY

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

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR REGIONAL HIGH QUALITY BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitrogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1459	PHY 444WRF	1064	1442	43.1	.	5.07	18.69	3.27	0.59	0.58	1.17
1503	FM 1830GLT	1029	1351	42.9	.	5.15	14.44	3.73	0.48	0.36	0.84
1516	DP 1646B2XF	1213	1522	43.2	.	4.49	16.11	3.52	0.56	0.51	1.07
1536	PHY 764WRF	818	1272	39.5	.	4.92	19.36	3.70	0.54	0.40	0.94
1556	FM 2574GLT	1011	1133	44.9	.	4.86	13.65	3.68	0.54	0.39	0.93
1557	ST 5020GLT	1068	1587	40.6	.	5.09	19.31	3.27	0.77	0.54	1.32
1558	DP 1845B3XF	1180	1527	43.3	.	4.72	15.64	3.65	0.51	0.38	0.89
1559	DP 1820B3XF	1132	1352	43.8	.	4.70	15.46	3.26	0.53	0.38	0.91
1560	ARK 1019-14	1061	1496	40.4	.	5.22	16.65	3.68	0.66	0.48	1.14
1561	ARK 1002-40	1077	1659	37.7	.	5.28	19.98	3.24	0.60	0.51	1.12
1562	ARK 1019-36	1063	1464	40.6	.	4.83	17.18	3.51	0.60	0.45	1.04
1563	NM 13P1125	825	1338	37.8	.	5.01	19.83	3.64	0.31	0.24	0.55
1564	NM 16W1079	894	1338	39.3	.	5.08	17.85	3.70	0.38	0.27	0.65
1565	NM 16W1094	837	1378	37.9	.	5.13	19.51	3.69	0.31	0.25	0.57
1566	TAM 13Q-18	967	1382	40.8	.	4.72	14.66	3.69	0.60	0.43	1.03
1567	TAM KJ-Q14	811	1444	35.8	.	5.66	19.47	3.42	0.66	0.53	1.19
1568	PHY 440W3FE	954	1276	42.5	.	5.03	17.61	3.28	0.59	0.49	1.08
1569	PHY 480W3FE	1103	1523	42.0	.	4.90	18.21	3.27	0.68	0.51	1.19
1570	DC 180	1052	1605	38.7	.	5.01	20.73	3.42	0.74	0.49	1.23
1571	DC 375	940	1417	40.1	.	4.92	20.85	3.47	0.78	0.57	1.35
1572	LA 14063001	1187	1590	41.8	.	5.36	14.94	3.64	0.58	0.40	0.97
1573	LA 14603038	1006	1505	39.8	.	5.06	15.08	3.56	0.61	0.40	1.01
.	LSD	441	650	3.0	1.2	0.96	3.1	0.58	0.22	0.14	0.34

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	4.2	0.85	1.26	85.2	7.0	31.4	7.8	73.1	6.9	.	70.1
1503	FM 1830GLT	4.6	0.86	1.25	85.0	6.9	33.3	7.3	73.1	6.0	.	72.2
1516	DP 1646B2XF	4.5	0.85	1.25	84.4	7.3	29.6	8.6	73.6	6.0	.	67.7
1536	PHY 764WRF	4.1	0.85	1.19	84.5	7.6	35.0	8.0	71.5	6.9	.	72.5
1556	FM 2574GLT	4.6	0.86	1.23	84.9	7.1	32.9	7.3	73.6	6.1	.	76.5
1557	ST 5020GLT	4.6	0.86	1.23	84.7	7.4	32.4	8.3	71.9	6.8	.	76.0
1558	DP 1845B3XF	4.3	0.85	1.28	84.5	7.0	31.5	9.0	73.1	6.2	.	73.8
1559	DP 1820B3XF	4.7	0.87	1.25	84.5	7.3	33.2	7.3	73.3	6.5	.	70.2
1560	ARK 1019-14	4.3	0.85	1.28	84.2	6.8	31.0	8.1	72.2	5.7	.	68.6
1561	ARK 1002-40	4.6	0.86	1.28	86.6	6.0	34.0	7.6	71.1	6.3	.	77.1
1562	ARK 1019-36	4.5	0.85	1.3	86.1	6.0	32.1	8.1	71.8	6.1	.	68.1
1563	NM 13P1125	4.4	0.85	1.2	85.0	7.0	33.6	8.2	70.7	6.4	.	74.1
1564	NM 16W1079	4.5	0.86	1.19	84.7	7.0	33.2	8.1	70.8	6.4	.	79.6
1565	NM 16W1094	4.5	0.85	1.19	85.4	6.8	33.7	8.3	71.2	6.4	.	84.3
1566	TAM 13Q-18	4.4	0.85	1.24	85.6	6.9	32.2	8.2	72.1	6.7	.	77.7
1567	TAM KJ-Q14	4.3	0.86	1.34	86.4	5.5	39.2	7.5	72.2	7.0	.	75.8
1568	PHY 440W3FE	4.3	0.86	1.22	83.8	7.9	32.9	7.5	72.4	7.0	.	72.7
1569	PHY 480W3FE	4.5	0.85	1.17	85.3	7.1	30.1	8.7	72.4	6.9	.	69.3
1570	DC 180	4.8	0.86	1.16	85.4	6.9	33.1	8.0	72.0	6.7	.	69.0
1571	DC 375	4.8	0.86	1.11	84.4	7.3	30.3	7.8	70.3	7.1	.	72.3
1572	LA 14063001	4.5	0.85	1.23	84.8	7.3	31.4	8.2	72.5	6.6	.	70.4
1573	LA 14603038	4.5	0.86	1.24	83.9	7.6	33.3	7.5	71.5	6.6	.	75.6
.	LSD	0.54	0.02	0.06	2.1	1.5	2.9	0.53	3.4	0.98	.	17

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL Weight	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	SCN Count
1459	PHY 444WRF	0.86	1.07	24.2	7.4	1.29	168.6	6.2	0.91	133	9
1503	FM 1830GLT	0.86	1.06	23.4	7.0	1.28	172.4	5.1	0.96	104	12
1516	DP 1646B2XF	0.84	1.06	25.0	7.7	1.29	170.8	5.8	0.92	118	10
1536	PHY 764WRF	0.84	1.03	22.3	7.0	1.23	165.9	5.8	0.92	120	15
1556	FM 2574GLT	0.84	1.05	24.0	7.3	1.27	172.1	5.0	0.96	98	11
1557	ST 5020GLT	0.79	1.02	28.6	9.2	1.25	174.6	5.8	0.93	134	11
1558	DP 1845B3XF	0.80	1.05	29.6	9.4	1.29	166.3	6.5	0.90	168	12
1559	DP 1820B3XF	0.84	1.05	24.4	7.6	1.27	180.2	4.5	0.98	99	9
1560	ARK 1019-14	0.84	1.08	26.0	7.9	1.32	166.2	5.7	0.92	125	10
1561	ARK 1002-40	0.91	1.11	20.3	5.6	1.32	174.4	4.8	0.97	107	10
1562	ARK 1019-36	0.89	1.11	22.7	6.5	1.34	174.5	5.3	0.94	122	12
1563	NM 13P1125	0.82	1.02	23.3	7.1	1.22	165.1	5.4	0.94	141	17
1564	NM 16W1079	0.82	1.01	22.6	6.9	1.21	169.9	5.1	0.95	126	16
1565	NM 16W1094	0.84	1.02	21.2	6.3	1.21	166.8	5.4	0.94	131	18
1566	TAM 13Q-18	0.87	1.06	21.2	6.3	1.27	173.0	5.2	0.94	117	13
1567	TAM KJ-Q14	0.92	1.14	21.3	5.7	1.37	163.8	5.0	0.96	135	15
1568	PHY 440W3FE	0.78	1.00	28.5	9.4	1.23	169.8	6.1	0.92	148	11
1569	PHY 480W3FE	0.82	1.01	23.5	7.4	1.20	177.9	5.9	0.92	113	9
1570	DC 180	0.83	1.01	21.7	6.5	1.19	187.5	4.7	0.97	91	10
1571	DC 375	0.81	0.97	20.3	6.3	1.13	192.6	4.5	0.98	81	9
1572	LA 14063001	0.84	1.04	23.9	7.4	1.25	175.8	5.0	0.95	104	9
1573	LA 14603038	0.83	1.05	25.6	8.1	1.27	176.9	4.8	0.96	126	12
.	LSD	0.08	0.07	6.4	2.9	0.07	16	2.1	0.07	75	9.7

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	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
Lubbock, TX	1234	2264	36.2	5.6		19.64	3.39	0.68	0.53	1.21
College Station, TX	1046	.	.	4.4	.	15.25	3.68	0.49	0.36	0.85
Saint Joseph , LA	849	1172	41.7	5.8	.	.	.	.	.	.
Stoneville, MS	1166	1788	39.5	5.0	.	17.87	3.68	0.56	0.44	1.00
Jackson, TN	1251	1566	42.5	5.2	.	.	.	.	.	.
Florence, SC	684	1022	40.2	4.5	.	17.32	3.31	0.56	0.41	0.98
Portageville, MO	905	1172	40.8	5.5	.	.	.	.	.	.
Las Cruces, NM	1076	1525	41.4	4.8	.	.	.	.	.	.
Keisar, AR	905	1194	43.9	4.2	.	.	.	.	.	.

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
Lubbock, TX	4.4	0.85	1.24	84.6	6.9	34.6	8.4	74.7	6.5	.	79.2
College Station, TX	4.3	0.85	1.20	82.4	8.5	31.0	7.7	63.8	5.9	.	61.5
Saint Joseph , LA	4.7	0.86	1.23	85.3	6.9	32.9	7.6	72.4	5.8	.	.
Stoneville, MS	4.6	0.86	1.23	85.6	6.9	34.0	7.6	74	6.7	.	74.7
Jackson, TN	4.4	0.85	1.24	85.8	6.2	32.3	8.3	73.4	7.8	.	75.7
Florence, SC	4.1	0.85	1.22	84.7	7.2	31.2	7.9	70.4	7.4	.	75.3
Portageville, MO	4.4	0.85	1.27	86.0	6.3	33.0	8.1	75.7	5.6	.	.
Las Cruces, NM	4.8	0.87	1.18	84.0	7.9	31.1	7.9	68.0	5.8	.	.
Keisar, AR	4.5	0.86	1.26	86.2	6.2	34.0	8.1	76.1	7.1	.	.

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Lubbock, TX	0.85	1.06	23.5	6.8	1.27	170.1	5.5	0.93	193	22
College Station, TX	0.74	0.98	32.8	10.8	1.22	167.1	6.5	0.91	186	24
Saint Joseph , LA	0.85	1.06	23.2	6.7	1.26	173.2	5.4	0.94	94	7
Stoneville, MS	0.82	1.03	25.7	8.1	1.25	172.8	4.9	0.96	115	9
Jackson, TN	0.89	1.09	20.2	5.8	1.29	175.4	4.9	0.95	81	7
Florence, SC	0.83	1.04	23.8	7.5	1.25	165.4	6.0	0.92	112	7
Portageville, MO	0.89	1.09	20.9	6.1	1.31	174.4	5.2	0.95	119	12
Las Cruces, NM	0.78	0.98	25.9	8.6	1.19	177.7	5.0	0.95	101	9
Keisar, AR	0.90	1.09	18.7	5.3	1.28	180.0	4.6	0.98	82	11

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
1516	DP 1646B2XF	1564	2440	40.2	7.8	5.18	17.47	3.59	0.65	0.62	1.27
1558	DP 1845B3XF	1480	2775	38.2	7.4	5.32	17.04	3.46	0.61	0.47	1.08
1569	PHY 480W3FE	1432	2360	35.4	9.5	5.79	19.74	3.44	0.87	0.67	1.54
1556	FM 2547GLT	1364	2128	40.6	8.1	5.33	16.05	3.34	0.57	0.43	1.00
1559	DP 1820B3XF	1351	2175	39.3	8.9	5.30	15.89	3.15	0.59	0.44	1.03
1564	NM 16W1079	1319	2281	35.2	9.9	5.67	19.62	3.69	0.42	0.32	0.74
1566	TAM 13Q-18	1313	2663	36.0	8.7	5.52	15.56	3.54	0.72	0.53	1.24
1459	PHY 444WRF	1301	2139	38.7	10.0	5.86	21.39	3.21	0.64	0.67	1.31
1503	FM 1830GLT	1245	1889	40.2	9.3	5.18	17.21	3.26	0.53	0.42	0.95
1572	LA 14063001	1240	2074	37.5	9.0	5.49	16.42	3.56	0.70	0.50	1.19
1573	LA 14603038	1233	2438	34.7	9.4	5.43	16.94	3.65	0.79	0.51	1.29
1562	ARK 1019-36	1225	2355	35.5	8.4	5.23	18.72	3.46	0.66	0.51	1.16
1561	ARK 1002-40	1213	2503	33.2	9.8	5.62	22.89	3.18	0.73	0.63	1.36
1571	DC 375	1210	2065	36.2	9.3	5.68	24.20	3.19	0.97	0.75	1.72
1560	ARK 1019-14	1190	2001	37.5	8.9	5.89	18.85	3.43	0.78	0.57	1.34
1568	PHY 440W3FE	1180	2511	34.3	9.6	5.66	18.77	3.10	0.64	0.58	1.21
1565	NM 16W1094	1123	2384	33.7	9.6	5.86	22.00	3.54	0.34	0.29	0.63
1557	ST 5020GLT	1119	2094	37.0	9.6	5.68	22.00	3.28	0.93	0.66	1.59
1567	TAM KJ-Q14	1038	2171	30.3	12.1	6.52	21.22	3.63	0.79	0.66	1.45
1563	NM 13P1125	1020	2211	33.9	9.5	5.33	23.19	3.49	0.34	0.28	0.61
1536	PHY 764WRF	999	2133	34.5	10.4	5.52	23.02	3.45	0.64	0.50	1.13
1570	DC 180	990	2024	34.2	9.8	5.39	23.86	3.12	0.95	0.65	1.60
.	LSD	222	561	1.1	1	0.57	2.71	0.26	0.09	0.08	0.17

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1516	DP 1646B2XF	4.25	0.84	1.26	84.3	7.5	30.7	9.5	76.4	6.4	6	69.5
1558	DP 1845B3XF	4.20	0.84	1.30	83.8	6.3	33.1	9.5	75.2	6.1	8	78.8
1569	PHY 480W3FE	4.25	0.84	1.19	83.8	7.3	32.4	9.2	75.2	7.3	8	85.0
1556	FM 2547GLT	4.55	0.86	1.26	84.3	7.1	34.6	7.9	75.0	6.2	7	93.2
1559	DP 1820B3XF	4.90	0.87	1.27	84.6	7.2	37.2	7.7	74.9	6.4	6	74.1
1564	NM 16W1079	4.50	0.86	1.18	84.0	7.5	34.4	8.6	74.1	6.1	7	90.1
1566	TAM 13Q-18	4.30	0.85	1.25	85.0	6.9	33.8	8.7	73.3	6.5	8	76.5
1459	PHY 444WRF	3.90	0.84	1.27	84.4	7.2	33.6	8.2	76.5	7.2	6	81.3
1503	FM 1830GLT	4.40	0.86	1.26	84.2	7.1	34.6	7.7	76.3	6.3	5	70.5
1572	LA 14063001	4.55	0.85	1.23	84.6	7.1	34.1	8.7	74.4	6.6	7	77.2
1573	LA 14603038	4.45	0.86	1.26	84.4	6.9	35.1	8.0	75.4	6.5	7	72.6
1562	ARK 1019-36	4.35	0.85	1.32	85.8	5.8	33.9	8.4	73.9	6.2	7	67.6
1561	ARK 1002-40	4.55	0.86	1.31	86.8	5.6	35.4	7.9	74.9	6.4	6	83.6
1571	DC 375	5.10	0.87	1.11	84.4	7.2	32.4	8.1	72.7	6.9	7	71.7
1560	ARK 1019-14	4.30	0.85	1.30	83.9	6.7	32.6	8.5	75.2	5.7	8	75.2
1568	PHY 440W3FE	4.10	0.85	1.25	83.5	7.7	36.8	7.9	74.5	7.3	7	84.8
1565	NM 16W1094	4.40	0.85	1.20	85.5	7.0	35.2	8.6	73.9	6.4	8	85.7
1557	ST 5020GLT	4.25	0.85	1.25	84.3	7.5	33.6	8.7	75.8	7.1	8	85.9
1567	TAM KJ-Q14	4.50	0.86	1.34	86.3	5.4	41.3	7.9	73.5	7.2	8	73.9
1563	NM 13P1125	4.40	0.86	1.21	84.8	6.8	35.7	8.4	72.9	5.9	9	79.3
1536	PHY 764WRF	4.25	0.85	1.22	84.3	7.4	36.5	8.5	74.7	7.2	7	85.0
1570	DC 180	5.05	0.87	1.17	84.9	7.2	35.4	8.3	76.0	6.9	6	80.1
.	LSD	0.33	0.01	0.042	1.4	1	2.5	0.4	2.4	0.8	3	22.11

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.85	1.08	25.5	7.6	1.32	159.0	7.8	0.86	218	18
1558	DP 1845B3XF	0.82	1.08	28.0	8.1	1.32	156.0	7.4	0.87	274	27
1569	PHY 480W3FE	0.85	1.04	22.0	6.4	1.23	166.5	6.6	0.89	189	19
1556	FM 2547GLT	0.84	1.06	25.5	7.6	1.29	169.5	4.9	0.95	152	20
1559	DP 1820B3XF	0.81	1.03	28.0	9.2	1.28	187.0	3.7	1.00	214	18
1564	NM 16W1079	0.81	1.02	23.5	6.8	1.21	172.0	4.3	0.98	194	32
1566	TAM 13Q-18	0.87	1.08	22.0	6.1	1.29	169.0	5.2	0.93	200	29
1459	PHY 444WRF	0.85	1.08	25.5	7.3	1.32	160.5	6.7	0.89	243	20
1503	FM 1830GLT	0.86	1.07	23.5	6.6	1.30	163.5	6.0	0.92	191	25
1572	LA 14063001	0.86	1.07	22.5	6.4	1.27	169.5	5.7	0.91	151	15
1573	LA 14603038	0.83	1.05	25.5	7.9	1.28	179.5	4.1	0.98	215	26
1562	ARK 1019-36	0.85	1.10	26.5	7.6	1.35	169.5	5.6	0.94	219	28
1561	ARK 1002-40	0.94	1.13	18.5	4.6	1.34	171.0	5.4	0.95	169	16
1571	DC 375	0.81	0.97	20.5	6.2	1.13	200.5	3.5	1.01	107	13
1560	ARK 1019-14	0.85	1.09	26.0	7.4	1.34	165.5	5.8	0.93	203	15
1568	PHY 440W3FE	0.80	1.04	28.5	8.6	1.27	162.5	6.5	0.91	215	17
1565	NM 16W1094	0.87	1.05	19.0	5.3	1.23	166.5	5.0	0.95	191	31
1557	ST 5020GLT	0.82	1.04	26.5	7.9	1.28	165.5	6.6	0.89	215	20
1567	TAM KJ-Q14	0.97	1.17	18.0	4.5	1.38	168.0	4.7	0.96	200	22
1563	NM 13P1125	0.86	1.04	20.0	5.6	1.23	162.5	5.6	0.93	181	31
1536	PHY 764WRF	0.86	1.05	21.5	6.3	1.25	167.5	5.4	0.93	185	24
1570	DC 180	0.86	1.02	19.0	5.3	1.19	191.0	4.1	0.99	126	15
.	LSD	0.07	0.06	5.7	2.5	0.05	13.7	1.8	0.06	85	9

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
1572	LA 14063001	1494	.	.	9.7	5.63	11.93	3.78	0.44	0.30	0.74
1516	DP 1646B2XF	1428	.	.	7.8	3.74	14.33	3.49	0.49	0.42	0.91
1561	ARK 1002-40	1400	.	.	10.1	3.23	18.47	3.31	0.47	0.44	0.91
1570	DC 180	1337	.	.	10.4	4.72	17.80	3.70	0.57	0.38	0.94
1562	ARK 1019-36	1322	.	.	9.2	3.57	17.02	3.60	0.45	0.34	0.79
1556	FM 2547GLT	1316	.	.	8.1	3.97	10.94	3.97	0.41	0.29	0.70
1560	ARK 1019-14	1264	.	.	9.3	5.36	13.51	4.15	0.52	0.40	0.92
1558	DP 1845B3XF	1219	.	.	7.5	3.91	13.84	3.81	0.39	0.28	0.67
1573	LA 14603038	1213	.	.	9.2	3.85	9.40	3.79	0.45	0.30	0.75
1566	TAM 13Q-18	1083	.	.	8.4	4.65	12.42	3.86	0.50	0.35	0.85
1557	ST 5020GLT	977	.	.	10.9	3.80	17.89	3.18	0.63	0.45	1.07
1459	PHY 444WRF	929	.	.	11.2	4.08	16.21	3.68	0.67	0.46	1.13
1568	PHY 440W3FE	908	.	.	11.4	4.77	16.64	3.52	0.65	0.44	1.09
1571	DC 375	838	.	.	8.4	4.29	16.47	3.65	0.60	0.43	1.02
1567	TAM KJ-Q14	827	.	.	12.3	4.88	17.91	3.11	0.56	0.42	0.97
1563	NM 13P1125	817	.	.	9.8	5.57	15.68	3.80	0.39	0.29	0.68
1503	FM 1830GLT	803	.	.	8.8	4.25	12.47	3.75	0.41	0.31	0.72
1564	NM 16W1079	784	.	.	10.7	4.09	16.29	3.86	0.36	0.27	0.63
1569	PHY 480W3FE	783	.	.	10.9	4.29	17.05	3.46	0.68	0.46	1.14
1536	PHY 764WRF	637	.	.	9.7	4.64	16.76	3.71	0.44	0.31	0.75
1565	NM 16W1094	599	.	.	10.3	3.85	16.65	3.88	0.39	0.31	0.70
.	LSD	281	.	.	1	2.14	3.86	0.5	0.11	0.1	0.21

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1572	LA 14063001	4.20	0.86	1.24	83.4	8.4	30.9	7.8	65.0	5.8	13	56.2
1516	DP 1646B2XF	4.35	0.85	1.25	82.7	8.4	28.8	8.4	66.5	5.2	11	56.4
1561	ARK 1002-40	4.70	0.87	1.21	83.3	7.9	31.6	7.3	63.4	5.3	17	61.3
1570	DC 180	4.90	0.87	1.19	84.2	6.9	32.7	7.7	62.8	6.1	14	62.7
1562	ARK 1019-36	4.35	0.85	1.27	82.3	7.9	30.1	8.1	63.6	5.8	15	58.6
1556	FM 2547GLT	4.60	0.87	1.20	82.9	8.2	30.8	7.1	63.9	5.8	11	63.6
1560	ARK 1019-14	4.25	0.85	1.24	81.9	8.1	30.1	7.6	64.3	5.7	15	56.3
1558	DP 1845B3XF	4.00	0.84	1.20	80.7	11.0	29.8	8.4	64.6	6.1	11	55.3
1573	LA 14603038	4.20	0.86	1.26	81.6	8.9	33.5	7.3	63.6	6.4	11	71.5
1566	TAM 13Q-18	4.15	0.85	1.19	82.3	8.4	30.5	7.9	63.6	6.1	15	58.9
1557	ST 5020GLT	4.45	0.86	1.21	81.0	9.5	29.3	8.1	62.8	6.5	13	61.5
1459	PHY 444WRF	4.35	0.86	1.15	81.3	10.1	28.4	7.7	62.9	6.2	15	51.1
1568	PHY 440W3FE	4.30	0.86	1.19	81.8	8.5	29.0	7.6	64.2	5.5	14	56.3
1571	DC 375	4.70	0.86	1.13	82.4	8.5	27.9	7.9	63.6	6.5	12	65.7
1567	TAM KJ-Q14	4.05	0.86	1.33	84.6	5.8	39.4	7.3	64.0	6.2	14	68.9
1563	NM 13P1125	4.15	0.85	1.16	81.2	9.4	30.3	8.0	64.3	6.3	12	55.7
1503	FM 1830GLT	4.30	0.86	1.22	83.0	8.6	29.4	7.4	63.9	5.3	12	55.2
1564	NM 16W1079	4.15	0.86	1.20	83.3	7.6	33.8	7.6	61.6	6.0	15	75.7
1569	PHY 480W3FE	4.45	0.86	1.12	81.2	9.9	28.5	7.8	63.9	5.6	10	62.6
1536	PHY 764WRF	3.95	0.85	1.14	82.6	8.9	32.4	7.9	63.2	6.2	18	62.6
1565	NM 16W1094	4.10	0.85	1.18	82.2	8.6	34.0	8.1	63.5	5.7	16	68.2
.	LSD	0.34	0.01	0.053	2.5	2.5	4.1	0.5	6.9	1.3	9	11.15

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1572	LA 14063001	0.75	1.00	34.00	11.2	1.25	169.0	5.4	0.93	153	17
1516	DP 1646B2XF	0.75	1.00	33.00	10.9	1.26	165.5	8.1	0.88	167	25
1561	ARK 1002-40	0.82	1.05	28.00	8.2	1.30	167.0	5.7	0.93	142	26
1570	DC 180	0.78	0.99	27.00	8.2	1.19	187.5	4.5	0.97	97	12
1562	ARK 1019-36	0.77	1.04	33.00	10.6	1.31	168.0	5.9	0.91	172	22
1556	FM 2547GLT	0.75	0.99	32.50	10.2	1.23	165.5	7.6	0.91	131	24
1560	ARK 1019-14	0.77	1.04	33.50	10.5	1.31	163.5	6.7	0.89	176	20
1558	DP 1845B3XF	0.65	0.94	43.00	15.7	1.21	156.0	8.2	0.85	269	24
1573	LA 14603038	0.75	1.01	33.00	10.7	1.27	175.0	5.0	0.95	137	16
1566	TAM 13Q-18	0.74	0.97	32.00	10.8	1.20	162.0	7.6	0.88	192	23
1557	ST 5020GLT	0.67	0.94	41.00	14.8	1.21	164.5	8.3	0.86	251	28
1459	PHY 444WRF	0.71	0.94	34.00	12.1	1.16	178.0	5.8	0.92	232	24
1568	PHY 440W3FE	0.74	0.97	30.50	10.4	1.19	174.5	5.8	0.92	185	31
1571	DC 375	0.72	0.94	31.00	10.3	1.14	184.5	5.0	0.95	152	22
1567	TAM KJ-Q14	0.84	1.10	28.00	7.9	1.35	155.5	5.5	0.94	247	30
1563	NM 13P1125	0.73	0.96	32.50	10.8	1.19	159.0	6.9	0.89	223	23
1503	FM 1830GLT	0.69	0.96	39.00	13.4	1.21	163.0	8.5	0.88	221	22
1564	NM 16W1079	0.76	1.00	31.50	9.9	1.22	155.5	6.6	0.91	248	34
1569	PHY 480W3FE	0.75	0.95	28.50	9.6	1.16	183.5	4.7	0.95	117	15
1536	PHY 764WRF	0.70	0.93	34.50	12.2	1.16	161.0	8.6	0.87	213	32
1565	NM 16W1094	0.72	0.97	34.00	11.2	1.19	149.0	7.3	0.88	243	32
.	LSD	0.1	0.07	9.3	4.7	0.06	9.3	1.9	0.05	112	17

Location: Saint Joseph , LA

` 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
1516	DP 1646B2XF	1171	1433	44.7	8.6	5.25	.	.	.	.	.
1558	DP 1845B3XF	1117	1339	45.5	9.2	5.35	.	.	.	.	.
1559	DP 1820B3XF	1046	1194	46.7	9.7	5.50	.	.	.	.	.
1573	LA 14603038	1040	1462	41.6	10.0	6.29	.	.	.	.	.
1569	PHY 480W3FE	1012	1320	43.4	10.0	5.54	.	.	.	.	.
1566	TAM13Q-18	960	1340	41.8	10.3	5.44	.	.	.	.	.
1570	DC 180	952	1435	40.0	10.8	5.70	.	.	.	.	.
1556	FM 2574GLT	918	1111	45.3	9.5	5.40	.	.	.	.	.
1459	PHY 444WRF	915	1178	43.7	11.5	6.21	.	.	.	.	.
1561	ARK 1002-40	850	1325	39.0	11.5	6.32	.	.	.	.	.
1503	FM 1830GLT	844	1060	44.1	9.7	5.63	.	.	.	.	.
1572	LA 14063001	840	1126	42.8	10.4	6.13	.	.	.	.	.
1562	ARK 1019-36	838	1226	40.7	10.2	5.96	.	.	.	.	.
1571	DC 375	781	1157	40.3	9.3	5.94	.	.	.	.	.
1560	ARK 1019-14	740	1070	41.0	11.1	5.72	.	.	.	.	.
1568	PHY 440W3FE	707	913	43.6	11.1	5.77	.	.	.	.	.
1563	NM 13P1125	701	1076	39.4	10.4	5.74	.	.	.	.	.
1565	NM 16W1094	662	1021	39.3	10.4	5.99	.	.	.	.	.
1557	ST 5020GLT	655	918	41.6	12.1	5.74	.	.	.	.	.
1564	NM 16W1079	637	978	39.3	10.8	5.83	.	.	.	.	.
1536	PHY 764WRF	626	979	39.1	11.2	6.04	.	.	.	.	.
1567	TAM KJ-Q14	607	1085	35.5	14.0	7.19	.	.	.	.	.
.	LSD	185	241	1.9	0.7	0.6	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1516	DP 1646B2XF	4.70	0.86	1.24	83.6	7.9	30.7	8.3	72.6	4.4	.	.
1558	DP 1845B3XF	4.50	0.86	1.27	85.3	7.0	33.1	8.3	72.1	5.2	.	.
1559	DP 1820B3XF	4.90	0.88	1.27	84.6	6.8	32.1	6.9	69.8	5.7	.	.
1573	LA 14603038	4.85	0.87	1.25	83.9	7.5	34.5	7.2	71.7	5.5	.	.
1569	PHY 480W3FE	4.70	0.86	1.19	86.0	6.8	30.9	8.1	73.2	6.4	.	.
1566	TAM13Q-18	4.65	0.87	1.23	85.8	6.9	32.7	7.9	74.5	6.5	.	.
1570	DC 180	4.95	0.87	1.16	85.8	6.9	34.2	7.3	72.4	6.1	.	.
1556	FM 2574GLT	4.75	0.87	1.26	86.0	6.6	33.6	7.1	75.6	6.1	.	.
1459	PHY 444WRF	4.50	0.86	1.27	86.1	7.0	32.4	7.3	75.0	5.9	.	.
1561	ARK 1002-40	4.80	0.87	1.29	87.7	6.0	35.0	7.3	72.6	5.7	.	.
1503	FM 1830GLT	4.75	0.87	1.23	84.8	7.3	32.2	7.0	73.2	5.7	.	.
1572	LA 14063001	4.55	0.86	1.26	86.0	6.9	32.4	7.7	73.6	5.7	.	.
1562	ARK 1019-36	4.65	0.86	1.31	85.8	6.1	31.9	7.7	73.1	4.9	.	.
1571	DC 375	5.25	0.88	1.11	84.5	7.2	30.6	7.4	72.0	6.9	.	.
1560	ARK 1019-14	4.55	0.86	1.28	84.6	6.9	30.6	7.9	73.8	4.7	.	.
1568	PHY 440W3FE	4.70	0.87	1.21	83.4	8.3	32.9	7.3	73.4	6.6	.	.
1563	NM 13P1125	4.75	0.86	1.20	85.9	6.8	32.6	8.2	70.5	5.6	.	.
1565	NM 16W1094	4.70	0.86	1.16	85.9	7.0	33.5	8.0	72.7	6.4	.	.
1557	ST 5020GLT	5.00	0.87	1.24	85.2	7.1	32.2	7.9	70.3	6.1	.	.
1564	NM 16W1079	4.75	0.87	1.19	85.9	6.9	33.7	7.8	70.7	5.9	.	.
1536	PHY 764WRF	4.20	0.85	1.16	83.6	7.7	36.0	7.7	72.2	6.1	.	.
1567	TAM KJ-Q14	4.45	0.86	1.34	86.5	5.5	37.9	7.3	71.4	6.4	.	.
.	LSD	0.26	0.01	0.061	1.7	1.2	1.5	0.4	3.5	1.3	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.83	1.05	26.5	7.8	1.27	171.0	6.0	0.92	95	10
1558	DP 1845B3XF	0.88	1.11	24.5	6.7	1.34	172.5	5.6	0.93	88	5
1559	DP 1820B3XF	0.87	1.08	23.0	6.4	1.28	175.5	5.1	0.96	74	5
1573	LA 14603038	0.85	1.07	25.0	7.6	1.30	180.5	4.5	0.98	94	6
1569	PHY 480W3FE	0.83	1.03	24.5	7.3	1.23	174.0	6.1	0.91	123	10
1566	TAM13Q-18	0.89	1.08	19.5	5.5	1.27	173.5	5.3	0.94	64	5
1570	DC 180	0.85	1.03	21.5	5.9	1.21	184.5	5.1	0.95	73	6
1556	FM 2574GLT	0.83	1.04	24.5	7.4	1.25	174.0	4.9	0.95	70	5
1459	PHY 444WRF	0.87	1.10	24.0	6.9	1.33	170.0	6.0	0.92	121	6
1561	ARK 1002-40	0.93	1.13	19.5	5.1	1.34	173.0	4.9	0.97	96	5
1503	FM 1830GLT	0.85	1.05	22.5	6.3	1.25	175.5	4.8	0.96	83	7
1572	LA 14063001	0.81	1.03	26.5	8.2	1.24	168.5	5.3	0.94	108	8
1562	ARK 1019-36	0.94	1.15	21.0	5.4	1.38	174.5	5.6	0.94	80	9
1571	DC 375	0.81	0.96	19.5	5.8	1.12	188.0	4.5	0.96	51	2
1560	ARK 1019-14	0.88	1.10	24.5	7.0	1.34	166.5	6.0	0.92	99	5
1568	PHY 440W3FE	0.80	1.02	27.0	8.4	1.23	171.5	5.7	0.93	129	8
1563	NM 13P1125	0.81	1.01	24.0	7.1	1.19	171.5	5.5	0.94	123	13
1565	NM 16W1094	0.84	1.02	22.0	6.1	1.21	165.5	5.8	0.92	102	12
1557	ST 5020GLT	0.83	1.04	25.0	7.6	1.25	184.5	5.0	0.95	89	11
1564	NM 16W1079	0.84	1.02	21.5	6.2	1.21	169.0	5.5	0.94	99	11
1536	PHY 764WRF	0.83	1.02	22.0	6.2	1.22	161.0	6.1	0.90	77	14
1567	TAM KJ-Q14	0.90	1.12	22.5	6.1	1.36	164.0	5.5	0.94	124	9
.	LSD	0.07	0.06	5.5	2.2	0.06	7	0.9	0.04	55	7

Location: Stoneville, MS

` 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
1516	DP 1646B2XF	1463	1993	42.3	8.3	4.67	16.60	3.54	0.58	0.54	1.11
1558	DP 1845B3XF	1463	2003	42.2	8.5	4.73	15.10	3.79	0.52	0.40	0.92
1572	LA 14063001	1359	1991	40.5	10.0	5.49	16.38	3.76	0.61	0.42	1.02
1566	TAM13Q-18	1309	1907	40.7	9.8	4.82	15.50	3.89	0.59	0.43	1.01
1557	ST 5020GLT	1307	2063	38.8	10.9	5.02	18.84	3.37	0.74	0.53	1.27
1570	DC 180	1283	2119	37.7	10.0	5.11	20.70	3.58	0.73	0.48	1.21
1560	ARK 1019-14	1268	1978	39.0	10.3	5.09	17.44	3.81	0.70	0.50	1.19
1562	ARK 1019-36	1251	1950	39.1	9.7	4.98	17.25	4.02	0.64	0.48	1.12
1571	DC 375	1232	1966	38.5	9.0	5.15	22.29	3.88	0.75	0.56	1.31
1459	PHY 444WRF	1183	1669	41.5	10.7	4.70	19.35	2.89	0.52	0.62	1.13
1573	LA 14603038	1178	1902	38.3	9.9	5.34	16.52	3.66	0.54	0.38	0.92
1559	DP 1820B3XF	1150	1566	42.3	9.4	4.66	15.08	3.67	0.48	0.36	0.84
1569	PHY 480W3FE	1149	1670	40.8	9.9	4.89	19.39	3.15	0.70	0.56	1.26
1568	PHY 440W3FE	1142	1620	41.4	9.9	4.58	18.17	3.45	0.53	0.51	1.03
1556	FM 2574GLT	1122	1370	45.0	9.1	5.03	13.75	4.01	0.65	0.47	1.11
1561	ARK 1002-40	1094	1977	35.6	10.8	5.32	20.44	3.54	0.59	0.49	1.08
1564	NM 16W1079	1041	1643	38.8	10.1	5.36	18.39	3.79	0.37	0.26	0.63
1503	FM 1830GLT	1018	1480	40.7	10.0	5.21	14.26	4.11	0.50	0.38	0.88
1567	TAM KJ-Q14	985	1960	33.4	13.6	5.32	19.17	3.52	0.64	0.51	1.15
1563	NM 13P1125	975	1689	36.6	10.2	5.02	19.58	3.83	0.25	0.20	0.44
1565	NM 16W1094	842	1515	35.7	11.0	5.46	19.55	3.89	0.25	0.20	0.45
1536	PHY 764WRF	836	1316	38.8	10.9	4.96	19.41	3.88	0.56	0.42	0.97
.	LSD	155	242	0.5	0.3	0.25	1.43	0.39	0.09	0.07	0.16

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1516	DP 1646B2XF	4.60	0.86	1.25	86.0	6.9	30.4	8.5	76.0	6.0	8	71.8
1558	DP 1845B3XF	4.45	0.86	1.27	84.2	7.2	32.9	8.3	76.2	6.6	9	82.0
1572	LA 14063001	4.75	0.86	1.20	84.0	8.1	31.4	7.8	75.4	7.1	7	72.8
1566	TAM13Q-18	4.80	0.86	1.25	86.2	6.6	32.8	8.0	75.7	7.2	7	83.0
1557	ST 5020GLT	4.50	0.86	1.23	84.8	7.7	33.9	7.9	75.1	6.9	10	76.6
1570	DC 180	4.80	0.87	1.16	86.5	6.7	33.4	8.1	75.9	7.2	6	72.5
1560	ARK 1019-14	4.15	0.85	1.27	84.5	7.1	34.7	7.7	73.9	6.2	8	65.6
1562	ARK 1019-36	4.45	0.86	1.30	87.7	5.9	33.1	7.8	73.4	5.9	8	74.2
1571	DC 375	5.10	0.88	1.10	85.3	6.9	32.1	7.4	72.2	7.3	6	67.8
1459	PHY 444WRF	4.10	0.85	1.27	86.2	6.5	32.3	7.5	75.7	7.0	7	67.1
1573	LA 14603038	4.50	0.86	1.23	83.2	8.9	35.0	7.1	74.5	6.9	7	70.3
1559	DP 1820B3XF	4.60	0.87	1.25	84.7	7.8	32.5	7.0	73.8	6.5	6	66.0
1569	PHY 480W3FE	4.35	0.85	1.21	86.6	6.6	31.6	8.4	73.5	6.6	7	74.0
1568	PHY 440W3FE	4.25	0.86	1.22	85.1	7.7	34.8	7.3	75.2	7.1	6	76.1
1556	FM 2574GLT	5.05	0.88	1.25	86.3	7.2	34.3	6.9	74.6	6.0	7	76.6
1561	ARK 1002-40	4.45	0.87	1.29	86.8	6.1	34.1	7.4	73.6	6.4	8	80.4
1564	NM 16W1079	4.80	0.87	1.18	85.2	6.8	34.7	7.7	72.3	6.3	8	66.4
1503	FM 1830GLT	5.00	0.88	1.23	85.6	7.1	34.2	6.9	73.8	6.7	9	79.4
1567	TAM KJ-Q14	4.25	0.86	1.32	86.8	5.6	42.3	7.3	73.4	7.6	7	88.2
1563	NM 13P1125	4.50	0.86	1.21	86.0	6.6	36.5	7.7	71.1	6.3	9	70.3
1565	NM 16W1094	4.70	0.86	1.20	85.7	6.4	34.6	7.8	72.2	6.6	8	82.7
1536	PHY 764WRF	4.25	0.86	1.22	86.2	6.7	37.5	7.7	71.9	7.2	9	78.9
.	LSD	0.26	0.01	0.053	1.6	1.5	2.7	0.3	2.4	0.9	2	17.14

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1516	DP 1646B2XF	0.82	1.03	26.5	8.4	1.26	174.0	4.6	0.96	98	7
1558	DP 1845B3XF	0.73	0.99	36.5	12.9	1.25	170.0	5.7	0.93	238	8
1572	LA 14063001	0.82	1.02	25.0	7.8	1.23	172.5	5.5	0.93	82	7
1566	TAM13Q-18	0.85	1.05	23.0	6.9	1.26	178.5	4.3	0.97	111	9
1557	ST 5020GLT	0.71	0.95	36.0	12.9	1.19	174.5	5.5	0.94	185	9
1570	DC 180	0.75	0.95	29.5	10.5	1.15	175.5	5.9	0.93	163	7
1560	ARK 1019-14	0.84	1.07	26.0	8.1	1.31	168.5	4.8	0.96	95	8
1562	ARK 1019-36	0.88	1.09	22.5	6.5	1.32	176.5	4.2	0.99	90	6
1571	DC 375	0.81	0.97	19.5	6.0	1.13	191.0	4.7	0.98	65	7
1459	PHY 444WRF	0.84	1.07	26.5	7.8	1.31	163.5	6.1	0.92	94	5
1573	LA 14603038	0.84	1.06	25.5	7.9	1.31	170.0	5.4	0.95	104	10
1559	DP 1820B3XF	0.83	1.05	25.5	8.2	1.28	179.5	4.0	1.00	100	6
1569	PHY 480W3FE	0.81	1.02	25.0	7.8	1.22	175.5	5.7	0.93	116	7
1568	PHY 440W3FE	0.72	0.96	34.5	12.1	1.19	166.0	6.3	0.92	198	9
1556	FM 2574GLT	0.83	1.04	24.0	7.3	1.25	180.0	3.6	1.01	84	11
1561	ARK 1002-40	0.88	1.09	22.5	6.4	1.31	172.0	4.3	0.99	112	3
1564	NM 16W1079	0.83	1.01	22.5	6.7	1.20	170.0	4.7	0.97	100	17
1503	FM 1830GLT	0.86	1.06	23.5	6.9	1.27	178.0	3.6	1.01	76	8
1567	TAM KJ-Q14	0.90	1.15	24.5	6.3	1.38	158.0	5.4	0.96	111	15
1563	NM 13P1125	0.80	1.01	25.0	7.8	1.21	162.5	4.9	0.95	134	17
1565	NM 16W1094	0.87	1.04	20.0	5.8	1.23	170.0	4.5	0.97	117	12
1536	PHY 764WRF	0.86	1.04	20.0	6.1	1.23	176.0	3.9	0.99	72	11
.	LSD	0.1	0.08	8.7	4.4	0.06	7.4	1.3	0.03	115	9

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
1559	DP 1820B3XF	1531	1567	47.3	9.7	5.09	.	.	.	.	.
1516	DP 1646B2XF	1507	1616	44.9	8.4	4.51	.	.	.	.	.
1558	DP 1845B3XF	1445	1689	45.2	8.6	4.74	.	.	.	.	.
1503	FM 1830GLT	1406	1703	44.7	10.4	5.64	.	.	.	.	.
1562	ARK 1019-36	1393	1687	42.7	10.0	5.18	.	.	.	.	.
1561	ARK 1002-40	1379	1950	39.3	10.9	5.84	.	.	.	.	.
1556	FM 2574GLT	1351	1424	47.0	8.8	5.33	.	.	.	.	.
1459	PHY 444WRF	1346	1588	45.0	11.5	5.81	.	.	.	.	.
1569	PHY 480W3FE	1335	1642	43.3	11.2	5.09	.	.	.	.	.
1557	ST 5020GLT	1328	1737	42.9	11.0	5.68	.	.	.	.	.
1568	PHY 440W3FE	1296	1404	46.0	9.9	5.37	.	.	.	.	.
1570	DC 180	1261	1932	38.8	9.4	4.65	.	.	.	.	.
1572	LA 14063001	1225	1463	43.3	10.1	5.32	.	.	.	.	.
1560	ARK 1019-14	1214	1517	41.9	9.8	5.40	.	.	.	.	.
1573	LA 14603038	1202	1519	41.7	9.7	5.70	.	.	.	.	.
1564	NM 16W1079	1141	1467	41.3	10.3	5.40	.	.	.	.	.
1571	DC 375	1129	1305	43.7	8.8	4.38	.	.	.	.	.
1536	PHY 764WRF	1075	1386	41.9	10.6	5.17	.	.	.	.	.
1566	TAM13Q-18	1053	1375	40.7	9.7	4.99	.	.	.	.	.
1563	NM 13P1125	1052	1591	38.8	10.7	5.60	.	.	.	.	.
1565	NM 16W1094	1009	1385	38.8	10.8	4.67	.	.	.	.	.
1567	TAM KJ-Q14	848	1515	36.2	14.5	5.39	.	.	.	.	.
.	LSD	138	298	1.9	0.8	0.91	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1559	DP 1820B3XF	4.60	0.87	1.24	84.4	6.8	32.8	7.5	73.2	7.4	3	70.4
1516	DP 1646B2XF	4.55	0.86	1.25	85.5	6.3	29.1	8.9	75.2	7.7	4	69.4
1558	DP 1845B3XF	4.40	0.84	1.29	85.6	5.9	30.4	9.7	76.3	7.4	3	82.9
1503	FM 1830GLT	4.50	0.86	1.23	85.0	6.6	34.5	7.5	75.6	7.2	3	75.4
1562	ARK 1019-36	4.60	0.86	1.32	87.1	5.3	31.8	8.7	73.1	7.2	5	78.4
1561	ARK 1002-40	4.50	0.86	1.28	87.6	5.4	33.5	8.1	71.7	7.2	3	74.3
1556	FM 2574GLT	4.70	0.87	1.23	85.2	6.6	33	7.7	75.8	7.0	3	73.7
1459	PHY 444WRF	4.40	0.86	1.26	86.6	6.1	32	8.0	73.4	8.6	3	79.9
1569	PHY 480W3FE	4.55	0.85	1.17	87.3	6.2	30.2	9.4	72.4	8.7	4	65.3
1557	ST 5020GLT	4.90	0.86	1.21	85.7	7.0	32.2	8.5	73.6	8.2	3	69.7
1568	PHY 440W3FE	4.40	0.86	1.22	84.4	7.5	32.4	7.7	71.9	8.8	2	70.2
1570	DC 180	4.15	0.85	1.19	86.6	6.3	33.1	8.5	72.5	8.1	4	65.9
1572	LA 14063001	4.40	0.86	1.22	85.4	6.6	30.1	8.5	72.8	8.1	4	63.6
1560	ARK 1019-14	4.25	0.85	1.31	85.7	5.5	30.4	8.4	72.5	6.8	4	79.8
1573	LA 14603038	4.30	0.86	1.26	85.4	6.5	33.3	7.9	73.0	8.1	3	71.4
1564	NM 16W1079	4.60	0.86	1.21	85.0	6.3	32.3	8.4	73.6	7.9	5	85.0
1571	DC 375	4.25	0.85	1.12	84.3	6.9	30.5	8.2	70.7	8.1	5	85.1
1536	PHY 764WRF	4.20	0.85	1.22	86.2	6.5	36.1	8.1	74.0	8.5	3	76.1
1566	TAM13Q-18	4.15	0.84	1.30	88.1	5.3	32.6	8.6	73.0	7.7	5	85.2
1563	NM 13P1125	4.40	0.85	1.21	85.1	6.5	31.7	8.8	74.6	7.7	3	76.2
1565	NM 16W1094	4.15	0.84	1.19	84.8	6.7	33.1	9.0	72.5	7.8	6	88.3
1567	TAM KJ-Q14	4.20	0.85	1.38	87.9	5.0	37.7	7.8	73.7	7.8	4	78.1
.	LSD	0.44	0.02	0.067	2.5	1.4	3.1	0.4	2.9	0.7	2	20.26

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1559	DP 1820B3XF	0.90	1.10	21.5	6.0	1.31	175.0	5.2	0.95	53	4
1516	DP 1646B2XF	0.90	1.11	21.5	6.1	1.33	179.5	3.7	0.97	66	3
1558	DP 1845B3XF	0.88	1.10	23.5	6.8	1.33	167.5	6.3	0.90	133	7
1503	FM 1830GLT	0.92	1.11	19.0	5.4	1.31	183.5	3.2	1.01	61	5
1562	ARK 1019-36	1.01	1.19	15.5	3.9	1.40	179.5	5.1	0.94	61	5
1561	ARK 1002-40	0.97	1.15	16.5	4.1	1.35	171.5	5.3	0.94	72	8
1556	FM 2574GLT	0.91	1.10	19.5	5.4	1.31	177.5	3.4	1.00	50	6
1459	PHY 444WRF	0.93	1.12	19.0	5.3	1.33	180.5	5.0	0.95	64	5
1569	PHY 480W3FE	0.88	1.06	19.5	5.5	1.23	184.0	5.6	0.92	52	4
1557	ST 5020GLT	0.86	1.06	23.5	6.7	1.27	184.5	4.2	0.99	55	2
1568	PHY 440W3FE	0.83	1.04	25.0	7.8	1.26	176.5	5.5	0.95	93	5
1570	DC 180	0.90	1.06	16.5	4.4	1.23	183.5	5.1	0.94	59	9
1572	LA 14063001	0.87	1.06	21.0	6.6	1.26	179.5	4.3	0.95	116	6
1560	ARK 1019-14	0.89	1.11	23.0	6.8	1.35	166.0	6.6	0.90	88	4
1573	LA 14603038	0.84	1.06	26.5	8.7	1.29	176.0	4.9	0.95	145	11
1564	NM 16W1079	0.87	1.04	19.0	5.6	1.23	176.5	4.9	0.96	89	15
1571	DC 375	0.85	1.01	18.0	5.3	1.17	181.0	5.5	0.93	65	4
1536	PHY 764WRF	0.92	1.09	17.0	4.8	1.27	171.5	4.0	0.97	73	5
1566	TAM13Q-18	0.93	1.11	17.5	4.9	1.31	170.5	5.0	0.93	90	6
1563	NM 13P1125	0.86	1.04	20.0	5.9	1.23	171.5	5.1	0.94	94	9
1565	NM 16W1094	0.84	1.02	20.5	6.0	1.21	158.5	5.3	0.92	113	15
1567	TAM KJ-Q14	0.98	1.20	19.5	4.9	1.44	165.5	4.8	0.96	96	10
.	LSD	0.07	0.05	5.9	2.6	0.04	10.2	1	0.04	75	7

Location: Florence, SC

` 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
1562	ARK 1019-36	847	1245	40.5	8.7	3.92	15.75	2.98	0.65	0.46	1.11
1572	LA 14063001	796	1177	40.4	9.1	4.53	15.04	3.46	0.57	0.37	0.94
1569	PHY 480W3FE	782	1148	40.5	8.9	4.26	16.68	3.06	0.48	0.36	0.83
1459	PHY 444WRF	780	1062	42.4	10.1	4.50	17.83	3.31	0.55	0.58	1.13
1561	ARK 1002-40	771	1339	36.4	10.2	4.60	17.89	2.92	0.65	0.51	1.16
1564	NM 16W1079	738	1142	39.2	9.7	4.80	17.99	3.45	0.38	0.26	0.64
1559	DP 1820B3XF	720	954	42.9	8.8	4.30	15.43	2.97	0.51	0.36	0.86
1563	NM 13P1125	712	1168	37.7	9.0	3.97	20.91	3.44	0.27	0.21	0.48
1570	DC 180	707	1081	39.4	9.5	4.47	20.58	3.29	0.72	0.46	1.17
1558	DP 1845B3XF	692	966	41.8	8.8	4.68	16.58	3.55	0.53	0.39	0.92
1573	LA 14603038	691	1106	38.5	9.3	4.67	15.64	3.05	0.64	0.42	1.06
1567	TAM KJ-Q14	688	1201	36.4	11.6	5.24	19.59	3.41	0.68	0.52	1.19
1566	TAM13Q-18	685	1043	39.4	8.8	3.91	15.15	3.48	0.61	0.43	1.03
1503	FM 1830GLT	670	892	42.8	9.2	4.76	15.16	3.64	0.52	0.38	0.90
1556	FM 2574GLT	670	850	44.2	8.2	4.51	13.86	3.43	0.54	0.37	0.91
1560	ARK 1019-14	653	991	39.7	9.7	4.76	16.82	3.33	0.66	0.46	1.11
1557	ST 5020GLT	632	925	40.6	9.9	4.62	18.54	3.26	0.80	0.55	1.35
1516	DP 1646B2XF	629	867	41.8	8.5	4.38	16.06	3.47	0.54	0.47	1.01
1571	DC 375	607	937	39.3	8.3	4.54	20.46	3.18	0.80	0.55	1.34
1568	PHY 440W3FE	605	815	42.5	9.5	4.79	16.88	3.04	0.57	0.44	1.01
1565	NM 16W1094	586	957	38.0	9.8	5.00	19.87	3.46	0.28	0.22	0.49
1536	PHY 764WRF	393	620	38.7	9.0	3.76	18.28	3.77	0.52	0.38	0.90
.	LSD	148	208	2.1	0.9	0.79	1.68	0.37	0.17	0.13	0.3

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1562	ARK 1019-36	4.10	0.85	1.30	86.2	6.2	30.4	8.2	70.4	7.3	4	61.8
1572	LA 14063001	3.90	0.84	1.18	83.3	8.4	29.3	7.9	71.2	8.0	7	82.1
1569	PHY 480W3FE	3.95	0.84	1.17	85.6	7.1	28.6	8.7	72.3	7.9	4	59.5
1459	PHY 444WRF	3.50	0.84	1.27	84.8	7.2	30.8	7.7	72.2	7.9	5	71.0
1561	ARK 1002-40	4.40	0.86	1.27	87.0	6.3	33.3	7.5	68.1	7.1	5	83.1
1564	NM 16W1079	4.15	0.85	1.19	86.2	6.8	32.7	7.9	70.7	7.3	6	81.1
1559	DP 1820B3XF	4.30	0.86	1.27	84.3	6.8	32.3	7.2	71.7	7.7	4	70.4
1563	NM 13P1125	4.00	0.85	1.19	86.3	6.5	32.8	8.3	70.1	7.0	5	88.6
1570	DC 180	4.55	0.86	1.14	84.7	7.6	30.5	8.0	70.7	8.2	4	63.4
1558	DP 1845B3XF	4.10	0.84	1.31	85.8	5.8	30.0	9.1	69.3	7.2	6	70.2
1573	LA 14603038	4.35	0.86	1.23	82.7	7.9	30.8	7.7	69.1	7.4	7	93.1
1567	TAM KJ-Q14	3.90	0.85	1.33	85.3	5.7	36.4	7.3	71.1	8.0	5	69.8
1566	TAM13Q-18	3.95	0.85	1.23	85.0	7.0	30.7	8.1	69.6	7.9	4	84.8
1503	FM 1830GLT	4.35	0.86	1.25	84.0	7.4	33.0	7.3	69.8	6.8	4	75.2
1556	FM 2574GLT	4.20	0.86	1.21	84.2	7.8	31.4	7.4	73.8	6.9	3	75.1
1560	ARK 1019-14	3.90	0.84	1.28	84.6	7.0	29.7	7.9	67.9	6.5	6	66.2
1557	ST 5020GLT	4.30	0.85	1.22	85.4	7.0	31.9	8.7	70.2	8.0	7	86.1
1516	DP 1646B2XF	3.85	0.84	1.27	83.7	7.2	29.0	8.8	72.9	7.5	4	71.3
1571	DC 375	4.15	0.85	1.08	84.0	7.7	29.1	7.9	70.3	7.5	5	70.9
1568	PHY 440W3FE	3.85	0.85	1.18	82.7	9.2	30.7	7.5	70.4	8.0	4	76.0
1565	NM 16W1094	4.60	0.86	1.22	86.3	6.6	32.8	8.3	68.6	7.0	7	96.6
1536	PHY 764WRF	3.50	0.84	1.14	82.1	8.8	32.1	8.1	69.6	7.6	7	59.6
.	LSD	0.47	0.01	0.046	1.9	1.4	2.9	0.5	4.1	0.8	3	25.39

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1562	ARK 1019-36	0.87	1.09	23.5	6.9	1.32	169.0	4.9	0.95	117	8
1572	LA 14063001	0.82	1.01	24.0	7.7	1.21	173.0	4.7	0.95	91	3
1569	PHY 480W3FE	0.75	0.96	30.0	10.6	1.17	155.5	9.8	0.83	124	6
1459	PHY 444WRF	0.85	1.07	26.0	8.3	1.30	152.0	9.7	0.84	127	5
1561	ARK 1002-40	0.90	1.09	20.5	5.8	1.30	171.0	4.3	0.98	99	6
1564	NM 16W1079	0.84	1.02	21.0	6.5	1.20	164.5	5.2	0.95	80	5
1559	DP 1820B3XF	0.88	1.09	22.0	6.7	1.31	169.0	4.9	0.96	94	8
1563	NM 13P1125	0.82	1.02	24.5	7.6	1.22	151.0	5.2	0.93	147	11
1570	DC 180	0.80	0.97	22.5	7.1	1.14	186.5	4.2	0.98	103	9
1558	DP 1845B3XF	0.84	1.08	26.5	7.9	1.32	169.5	6.6	0.90	109	6
1573	LA 14603038	0.87	1.06	22.0	6.7	1.27	177.5	4.3	0.97	78	6
1567	TAM KJ-Q14	0.90	1.11	21.0	5.9	1.33	152.5	5.2	0.93	135	11
1566	TAM13Q-18	0.86	1.05	21.5	6.3	1.26	164.0	5.6	0.92	120	9
1503	FM 1830GLT	0.88	1.08	22.0	6.6	1.30	170.0	5.7	0.95	99	7
1556	FM 2574GLT	0.85	1.06	23.0	7.1	1.27	163.0	5.8	0.93	99	6
1560	ARK 1019-14	0.82	1.06	27.5	8.5	1.31	161.5	5.5	0.93	119	5
1557	ST 5020GLT	0.82	1.04	25.5	8.0	1.25	169.5	6.1	0.92	110	3
1516	DP 1646B2XF	0.83	1.04	25.5	8.4	1.29	161.0	6.8	0.89	146	5
1571	DC 375	0.84	0.98	17.0	5.2	1.12	183.5	4.2	0.98	70	2
1568	PHY 440W3FE	0.73	0.97	33.0	11.5	1.20	154.0	9.8	0.84	133	3
1565	NM 16W1094	0.86	1.03	19.5	5.8	1.22	165.0	7.1	0.90	86	10
1536	PHY 764WRF	0.77	0.96	26.5	9.2	1.17	156.5	7.1	0.88	179	17
.	LSD	0.05	0.05	3.7	1.6	0.05	14.4	1.1	0.03	48	6

Location: Portageville, MO

` 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
1503	FM 1830GLT	1131	1568	42.9	.	6.02	.	.	.	.	.
1559	DP 1820B3XF	1122	1182	43.3	.	5.09	.	.	.	.	.
1557	ST 5020GLT	1114	1511	41.2	.	6.32	.	.	.	.	.
1572	LA 14063001	1111	1227	41.6	.	6.29	.	.	.	.	.
1558	DP 1845B3XF	1050	1263	44.1	.	5.18	.	.	.	.	.
1569	PHY 480W3FE	1003	1180	43.0	.	5.95	.	.	.	.	.
1556	FM 2574GLT	1000	1111	44.0	.	5.06	.	.	.	.	.
1570	DC 180	971	1385	38.4	.	5.88	.	.	.	.	.
1560	ARK 1019-14	964	1133	40.0	.	5.67	.	.	.	.	.
1573	LA 14603038	948	1508	41.5	.	5.71	.	.	.	.	.
1562	ARK 1019-36	935	1279	41.4	.	5.64	.	.	.	.	.
1516	DP 1646B2XF	929	1157	44.8	.	4.47	.	.	.	.	.
1568	PHY 440W3FE	915	1083	43.5	.	5.08	.	.	.	.	.
1561	ARK 1002-40	881	835	37.5	.	5.54	.	.	.	.	.
1566	TAM13Q-18	802	922	40.3	.	5.10	.	.	.	.	.
1565	NM 16W1094	781	1021	38.6	.	5.67	.	.	.	.	.
1563	NM 13P1125	771	1188	37.7	.	5.57	.	.	.	.	.
1564	NM 16W1079	763	1090	37.5	.	5.44	.	.	.	.	.
1536	PHY 764WRF	733	1565	34.9	.	5.34	.	.	.	.	.
1459	PHY 444WRF	711	677	45.6	.	5.40	.	.	.	.	.
1571	DC 375	693	1148	40.7	.	4.76	.	.	.	.	.
1567	TAM KJ-Q14	589	945	35.7	.	6.29	.	.	.	.	.
.	LSD	282	462	2.4	.	0.81	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1503	FM 1830GLT	4.30	0.86	1.32	87.5	5.6	34.5	7.4	77.2	4.7	.	.
1559	DP 1820B3XF	4.50	0.86	1.27	85.6	6.8	32.8	7.5	79.2	6.1	.	.
1557	ST 5020GLT	4.50	0.85	1.25	85.4	7.2	32.1	8.4	76.8	6.5	.	.
1572	LA 14063001	4.40	0.85	1.30	87.0	5.7	32.4	8.4	74.5	5.3	.	.
1558	DP 1845B3XF	3.90	0.84	1.31	85.2	6.1	31.7	9.1	78.0	5.6	.	.
1569	PHY 480W3FE	4.35	0.85	1.20	86.3	6.6	30.3	8.8	77.2	6.3	.	.
1556	FM 2574GLT	4.25	0.86	1.29	85.7	6.3	33.0	7.5	75.4	5.1	.	.
1570	DC 180	4.70	0.86	1.21	86.6	6.7	33.2	8.1	73.8	4.9	.	.
1560	ARK 1019-14	4.10	0.84	1.33	85.4	5.6	29.6	8.6	75.5	4.9	.	.
1573	LA 14603038	4.70	0.86	1.25	83.8	7.3	33.4	7.6	75.2	5.0	.	.
1562	ARK 1019-36	4.45	0.86	1.37	86.6	5.2	32.7	8.1	74.1	4.9	.	.
1516	DP 1646B2XF	5.05	0.87	1.28	86.3	6.6	30.3	8.2	76.1	5.0	.	.
1568	PHY 440W3FE	3.90	0.85	1.28	84.8	7.1	35.7	7.5	77.2	6.4	.	.
1561	ARK 1002-40	4.50	0.86	1.32	87.3	5.4	33.8	7.8	73.7	5.3	.	.
1566	TAM13Q-18	4.25	0.85	1.27	86.6	6.4	32.1	8.4	75.3	5.7	.	.
1565	NM 16W1094	4.45	0.85	1.22	85.6	6.5	32.9	8.6	75.8	5.9	.	.
1563	NM 13P1125	4.30	0.85	1.23	85.3	6.8	34.8	8.5	74.8	5.8	.	.
1564	NM 16W1079	4.55	0.86	1.19	85.2	7.0	33.0	8.5	74.0	6.0	.	.
1536	PHY 764WRF	3.90	0.84	1.26	87.3	6.2	36.9	8.4	76.6	6.1	.	.
1459	PHY 444WRF	4.65	0.87	1.31	86.3	5.9	32.3	7.7	74.8	5.7	.	.
1571	DC 375	4.70	0.86	1.14	85.5	6.6	30.7	8.2	74.3	6.2	.	.
1567	TAM KJ-Q14	4.05	0.86	1.38	87.2	5.1	39.5	7.5	77.9	6.7	.	.
.	LSD	0.43	0.01	0.044	2.2	0.9	2.8	0.3	2.1	0.8	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1503	FM 1830GLT	0.94	1.15	19.5	5.2	1.37	170.0	4.6	0.97	81	10
1559	DP 1820B3XF	0.87	1.09	23.0	7.0	1.33	181.5	4.3	0.99	94	12
1557	ST 5020GLT	0.80	1.04	29.5	9.1	1.28	169.5	6.0	0.92	126	11
1572	LA 14063001	0.95	1.13	17.0	4.7	1.34	181.0	5.0	0.97	80	11
1558	DP 1845B3XF	0.85	1.08	26.5	7.9	1.33	166.5	5.9	0.91	140	16
1569	PHY 480W3FE	0.85	1.04	21.0	6.7	1.23	184.0	5.3	0.96	137	13
1556	FM 2574GLT	0.91	1.12	21.0	5.8	1.34	164.5	5.2	0.94	124	20
1570	DC 180	0.94	1.11	16.5	4.3	1.28	187.0	4.8	0.97	57	8
1560	ARK 1019-14	0.90	1.13	23.5	6.8	1.38	162.0	5.6	0.92	115	10
1573	LA 14603038	0.86	1.06	22.0	7.0	1.29	179.0	4.9	0.97	158	8
1562	ARK 1019-36	0.95	1.17	20.0	5.4	1.41	173.0	5.7	0.92	147	10
1516	DP 1646B2XF	0.91	1.11	21.0	6.1	1.33	182.5	4.6	0.95	99	7
1568	PHY 440W3FE	0.80	1.04	29.0	9.6	1.29	169.5	6.2	0.94	192	11
1561	ARK 1002-40	0.97	1.15	17.0	4.3	1.36	179.5	4.5	0.99	97	9
1566	TAM13Q-18	0.90	1.09	19.5	5.7	1.30	172.0	5.4	0.94	123	13
1565	NM 16W1094	0.88	1.06	19.0	5.5	1.24	174.5	4.7	0.97	131	17
1563	NM 13P1125	0.85	1.06	22.5	6.4	1.26	169.5	5.4	0.96	165	18
1564	NM 16W1079	0.86	1.04	19.5	5.6	1.23	174.0	5.4	0.95	129	11
1536	PHY 764WRF	0.94	1.11	16.5	4.7	1.30	161.5	5.8	0.91	96	15
1459	PHY 444WRF	0.94	1.13	18.5	5.2	1.34	175.0	5.4	0.93	100	7
1571	DC 375	0.88	1.02	15.0	4.3	1.18	200.0	4.2	1.00	70	8
1567	TAM KJ-Q14	0.99	1.21	19.0	4.8	1.45	163.0	5.1	0.96	137	12
.	LSD	0.07	0.07	4.7	2.2	0.06	11.9	1	0.05	71	12

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
1557	ST 5020GLT	1605	2372	40.7	9.5	4.94	.	.	.	.	.
1572	LA 14063001	1550	2050	43.2	8.2	4.98	.	.	.	.	.
1459	PHY 444WRF	1438	1892	43.2	8.8	4.86	.	.	.	.	.
1560	ARK 1019-14	1433	2067	41.1	8.5	4.84	.	.	.	.	.
1561	ARK 1002-40	1357	2018	40.5	9.7	5.35	.	.	.	.	.
1569	PHY 480W3FE	1346	1744	43.6	8.0	4.63	.	.	.	.	.
1516	DP 1646B2XF	1209	1656	42.2	7.0	4.20	.	.	.	.	.
1503	FM 1830GLT	1161	1566	42.7	7.9	5.18	.	.	.	.	.
1565	NM 16W1094	1156	1835	38.6	9.2	5.05	.	.	.	.	.
1536	PHY 764WRF	1085	1453	42.7	8.2	4.84	.	.	.	.	.
1570	DC 180	1044	1644	38.8	9.1	4.81	.	.	.	.	.
1558	DP 1845B3XF	1036	1364	43.3	7.2	4.36	.	.	.	.	.
1571	DC 375	1030	1490	40.8	7.2	4.64	.	.	.	.	.
1568	PHY 440W3FE	958	1258	43.0	8.4	4.79	.	.	.	.	.
1573	LA 14603038	868	1269	40.7	8.0	4.65	.	.	.	.	.
1559	DP 1820B3XF	851	1137	42.5	7.4	4.16	.	.	.	.	.
1567	TAM KJ-Q14	848	1383	38.1	10.7	5.19	.	.	.	.	.
1564	NM 16W1079	832	1259	39.8	8.8	4.79	.	.	.	.	.
1566	TAM13Q-18	809	1112	42.3	7.6	4.33	.	.	.	.	.
1562	ARK 1019-36	765	1061	41.9	8.2	4.68	.	.	.	.	.
1563	NM 13P1125	695	1174	37.0	8.8	4.63	.	.	.	.	.
1556	FM 2574GLT	607	759	44.7	7.4	4.80	.	.	.	.	.
.	LSD	541	812	2.3	0.5	0.47	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1557	ST 5020GLT	4.80	0.87	1.23	85.1	7.3	32.5	8.2	66.5	5.4	.	.
1572	LA 14063001	4.95	0.87	1.17	84.4	7.7	30.6	8.2	69.0	5.7	.	.
1459	PHY 444WRF	4.20	0.86	1.19	83.6	7.9	29.8	7.8	70.2	6.3	.	.
1560	ARK 1019-14	4.75	0.87	1.21	82.4	8.3	31.0	7.8	69.2	5.4	.	.
1561	ARK 1002-40	5.15	0.88	1.23	85.7	6.9	33.0	7.8	66.7	6.0	.	.
1569	PHY 480W3FE	5.10	0.87	1.12	85.2	7.3	28.7	8.6	67.6	6.2	.	.
1516	DP 1646B2XF	4.65	0.86	1.23	82.4	8.5	28.1	8.5	69.1	5.3	.	.
1503	FM 1830GLT	4.85	0.87	1.24	84.4	7.5	32.6	7.3	69.7	5.0	.	.
1565	NM 16W1094	4.75	0.86	1.17	85.3	7.0	32.8	8.4	67.0	5.7	.	.
1536	PHY 764WRF	4.60	0.86	1.14	82.3	9.8	30.8	7.8	67.1	6.0	.	.
1570	DC 180	5.60	0.89	1.11	83.2	8.3	32.1	7.9	68.3	6.1	.	.
1558	DP 1845B3XF	4.50	0.86	1.25	84.0	7.7	30.4	8.9	69.4	5.6	.	.
1571	DC 375	5.50	0.88	1.07	84.1	8.4	29.2	7.6	66.3	6.7	.	.
1568	PHY 440W3FE	4.70	0.87	1.14	83.2	9.2	30.3	7.6	69.6	6.6	.	.
1573	LA 14603038	4.90	0.87	1.17	83.7	8.4	31.7	7.5	67.1	5.9	.	.
1559	DP 1820B3XF	5.25	0.88	1.14	82.9	9.2	30.2	7.3	70.0	5.8	.	.
1567	TAM KJ-Q14	4.50	0.87	1.29	85.7	6.3	38.3	7.6	68.7	6.0	.	.
1564	NM 16W1079	4.70	0.86	1.14	82.8	7.9	30.4	8.3	65.8	5.5	.	.
1566	TAM13Q-18	4.80	0.87	1.16	83.9	8.2	30.2	8.3	66.9	5.7	.	.
1562	ARK 1019-36	4.80	0.86	1.19	85.4	7.2	30.5	7.9	66.6	6.0	.	.
1563	NM 13P1125	4.60	0.86	1.17	84.5	7.2	32.6	8.2	66.4	6.2	.	.
1556	FM 2574GLT	4.75	0.87	1.18	83.6	8.3	29.7	7.2	70.0	5.9	.	.
.	LSD	0.38	0.01	0.067	2	1.3	2.3	0.6	3	0.7	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1557	ST 5020GLT	0.76	0.97	29.5	9.9	1.19	174.5	5.8	0.92	108	10
1572	LA 14063001	0.78	0.97	25.5	8.6	1.17	182.5	4.8	0.95	90	9
1459	PHY 444WRF	0.80	1.01	27.0	8.6	1.23	164.5	5.8	0.91	121	6
1560	ARK 1019-14	0.79	1.02	27.5	9.1	1.25	168.5	5.5	0.92	115	9
1561	ARK 1002-40	0.84	1.05	24.5	7.6	1.26	178.5	4.8	0.96	87	12
1569	PHY 480W3FE	0.77	0.95	25.0	8.3	1.13	193.5	4.2	0.96	86	6
1516	DP 1646B2XF	0.79	1.00	28.0	9.5	1.23	172.0	5.6	0.93	100	7
1503	FM 1830GLT	0.78	0.99	27.5	9.2	1.22	171.0	5.2	0.94	95	13
1565	NM 16W1094	0.83	0.99	20.5	6.4	1.17	179.0	4.4	0.96	104	12
1536	PHY 764WRF	0.78	0.97	25.5	9.1	1.17	171.0	5.5	0.93	89	8
1570	DC 180	0.80	0.97	23.5	7.5	1.15	198.0	3.8	0.99	69	10
1558	DP 1845B3XF	0.75	0.99	32.5	10.8	1.22	164.5	6.9	0.89	155	13
1571	DC 375	0.77	0.92	21.5	6.9	1.08	206.5	3.8	1.00	73	7
1568	PHY 440W3FE	0.74	0.94	29.5	10.5	1.15	178.5	4.4	0.96	95	9
1573	LA 14603038	0.78	0.98	26.0	8.7	1.17	184.0	4.4	0.98	95	11
1559	DP 1820B3XF	0.72	0.91	30.0	10.8	1.12	184.0	4.7	0.96	92	12
1567	TAM KJ-Q14	0.85	1.06	23.5	7.1	1.28	171.5	4.5	0.97	92	9
1564	NM 16W1079	0.75	0.94	26.0	8.8	1.14	171.5	4.6	0.96	110	12
1566	TAM13Q-18	0.84	1.01	21.5	7.0	1.20	181.5	4.4	0.95	92	7
1562	ARK 1019-36	0.79	0.99	25.5	8.2	1.18	175.5	5.7	0.93	137	5
1563	NM 13P1125	0.82	1.00	22.0	6.8	1.19	168.0	5.2	0.94	110	12
1556	FM 2574GLT	0.76	0.97	29.0	9.8	1.19	170.0	5.5	0.94	109	2
.	LSD	0.07	0.07	4.6	2.3	0.08	9.6	1	0.03	41	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
1559	DP 1820B3XF	1289	1605	47.5	9.2	3.66	.	.	.	.	.
1558	DP 1845B3XF	1119	1258	46.8	8.6	4.01	.	.	.	.	.
1569	PHY 480W3FE	1092	1338	45.2	9.9	4.04	.	.	.	.	.
1572	LA 14063001	1049	1444	44.8	9.4	4.50	.	.	.	.	.
1516	DP 1646B2XF	1015	1152	46.4	7.9	3.56	.	.	.	.	.
1562	ARK 1019-36	996	1279	43.3	9.6	4.08	.	.	.	.	.
1459	PHY 444WRF	976	1305	45.9	10.5	4.23	.	.	.	.	.
1570	DC 180	926	1371	41.2	9.9	4.39	.	.	.	.	.
1503	FM 1830GLT	924	1064	46.0	9.5	4.69	.	.	.	.	.
1536	PHY 764WRF	883	1306	43.8	10.0	4.82	.	.	.	.	.
1568	PHY 440W3FE	880	1109	45.0	10.3	4.68	.	.	.	.	.
1571	DC 375	879	1252	42.6	8.8	3.96	.	.	.	.	.
1557	ST 5020GLT	876	1148	43.1	11.2	4.13	.	.	.	.	.
1567	TAM KJ-Q14	872	1438	39.7	12.2	4.67	.	.	.	.	.
1560	ARK 1019-14	829	1098	44.2	9.0	4.81	.	.	.	.	.
1561	ARK 1002-40	829	1302	39.3	10.8	4.28	.	.	.	.	.
1564	NM 16W1079	795	1170	42.9	9.5	3.93	.	.	.	.	.
1565	NM 16W1094	779	1091	40.2	10.4	3.70	.	.	.	.	.
1573	LA 14603038	776	1115	43.0	8.8	4.10	.	.	.	.	.
1556	FM 2574GLT	755	760	48.6	8.5	4.09	.	.	.	.	.
1566	TAM13Q-18	694	817	43.9	9.8	4.19	.	.	.	.	.
1563	NM 13P1125	687	857	41.9	9.9	4.32	.	.	.	.	.
.	LSD	241	537	1.1	1.1	1.03	.	.	.	.	.

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1559	DP 1820B3XF	4.85	0.87	1.28	85.3	6.8	36.3	7.2	74.5	6.8	.	.
1558	DP 1845B3XF	4.30	0.85	1.29	85.8	6.3	33.0	9.3	77.6	6.3	.	.
1569	PHY 480W3FE	4.70	0.86	1.19	85.7	6.3	29.8	9.1	76.2	7.6	.	.
1572	LA 14063001	4.35	0.85	1.28	86.2	6.0	32.1	8.6	76.4	7.3	.	.
1516	DP 1646B2XF	4.50	0.85	1.28	85.3	6.3	30.0	8.7	78.1	6.7	.	.
1562	ARK 1019-36	4.45	0.86	1.37	87.7	5.1	34.8	8.3	78.4	6.8	.	.
1459	PHY 444WRF	4.05	0.85	1.33	87.8	5.6	31.8	8.1	77.2	7.9	.	.
1570	DC 180	5.05	0.87	1.17	86.6	5.9	33.8	8.6	75.5	7.0	.	.
1503	FM 1830GLT	4.45	0.86	1.31	86.6	5.6	34.0	7.4	79.4	6.4	.	.
1536	PHY 764WRF	4.10	0.85	1.21	85.1	7.1	37.3	7.7	77.5	8.2	.	.
1568	PHY 440W3FE	4.40	0.86	1.27	85.6	6.5	34.0	7.7	75.5	7.5	.	.
1571	DC 375	4.80	0.86	1.15	85.5	6.7	31.4	8.0	71.7	7.6	.	.
1557	ST 5020GLT	4.40	0.85	1.27	85.8	6.7	34.8	8.6	76.6	7.1	.	.
1567	TAM KJ-Q14	4.45	0.86	1.36	87.7	5.3	40.6	7.8	76.7	7.3	.	.
1560	ARK 1019-14	4.30	0.85	1.28	85.1	6.5	31.0	8.6	77.5	6.2	.	.
1561	ARK 1002-40	4.55	0.86	1.29	86.2	6.0	35.2	7.6	75.2	7.3	.	.
1564	NM 16W1079	4.50	0.86	1.22	85.3	6.1	34.3	8.3	74.9	7.1	.	.
1565	NM 16W1094	4.40	0.86	1.24	87.1	5.8	35.2	8.3	74.7	7.0	.	.
1573	LA 14603038	4.35	0.86	1.29	86.3	6.2	34.3	7.5	73.5	7.4	.	.
1556	FM 2574GLT	4.70	0.87	1.25	85.8	6.4	36.0	7.6	79.1	6.6	.	.
1566	TAM13Q-18	4.80	0.87	1.27	87.3	6.2	34.9	8.2	77.7	7.4	.	.
1563	NM 13P1125	4.45	0.86	1.23	86.1	6.4	35.5	8.4	72.3	7.1	.	.
.	LSD	0.33	0.01	0.048	1.6	0.9	2.9	0.4	2	0.7	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1559	DP 1820B3XF	0.87	1.07	22.0	6.8	1.29	190.0	4.1	1.01	69	6
1558	DP 1845B3XF	0.84	1.07	26.5	7.9	1.30	174.0	5.4	0.95	109	8
1569	PHY 480W3FE	0.89	1.04	16.5	4.7	1.21	184.5	4.8	0.96	72	7
1572	LA 14063001	0.90	1.08	18.5	5.2	1.28	182.5	4.6	0.98	75	8
1516	DP 1646B2XF	0.93	1.11	17.5	4.8	1.31	173.0	5.3	0.92	79	6
1562	ARK 1019-36	0.99	1.18	16.0	4.1	1.39	185.0	4.4	1.00	78	12
1459	PHY 444WRF	0.94	1.14	18.5	4.9	1.34	173.0	4.9	0.95	94	5
1570	DC 180	0.84	1.00	18.5	5.4	1.15	194.0	4.5	0.99	75	14
1503	FM 1830GLT	0.93	1.12	18.0	5.1	1.33	174.5	4.5	0.97	88	11
1536	PHY 764WRF	0.93	1.09	16.0	4.4	1.27	166.0	5.3	0.93	90	13
1568	PHY 440W3FE	0.89	1.08	20.0	5.8	1.28	175.5	4.8	0.96	94	6
1571	DC 375	0.84	1.00	19.0	5.6	1.16	199.0	4.6	1.00	62	13
1557	ST 5020GLT	0.90	1.10	20.5	5.6	1.30	184.5	4.7	0.99	65	5
1567	TAM KJ-Q14	1.00	1.18	15.0	3.7	1.40	176.5	3.8	1.02	73	18
1560	ARK 1019-14	0.88	1.09	23.0	6.8	1.33	174.0	4.9	0.96	118	14
1561	ARK 1002-40	0.95	1.14	16.5	4.4	1.33	185.0	4.1	1.01	82	8
1564	NM 16W1079	0.87	1.04	18.5	5.5	1.23	176.5	4.7	0.99	84	11
1565	NM 16W1094	0.89	1.06	17.0	4.8	1.23	173.5	4.6	0.98	92	19
1573	LA 14603038	0.87	1.08	23.0	6.7	1.29	178.5	5.1	0.98	85	14
1556	FM 2574GLT	0.92	1.09	17.5	4.9	1.29	184.5	3.7	1.01	64	6
1566	TAM13Q-18	0.97	1.14	14.0	3.7	1.32	186.0	3.9	1.00	66	14
1563	NM 13P1125	0.88	1.06	19.5	5.5	1.25	170.0	4.7	0.98	98	20
.	LSD	0.06	0.06	4.2	1.5	0.06	10.8	0.6	0.03	38	8

2018 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.*******

2018 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR BLACKLANDS BY VARIETIES

vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1404	PHY 499WRF	1244	.	.	8.7	4.11	.	.	.	.	.
1497	PHY 312WRF	1067	.	.	9.1	3.81	.	.	.	.	.
1503	FM 1830GLT	1458	.	.	8.9	4.52	.	.	.	.	.
1516	DP 1646B2XF	901	.	.	7.6	3.74	.	.	.	.	.
1535	NG 4545B2XF	826	.	.	9.2	3.78	.	.	.	.	.
1536	PHY 764WRF	1105	.	.	9.7	3.66	.	.	.	.	.
1537	DP 1522B2XF	1051	.	.	9.2	3.70	.	.	.	.	.
1551	DG 3385B2XF	1276	.	.	7.5	3.94	.	.	.	.	.
1552	NG 4601B2XF	1466	.	.	8.9	4.13	.	.	.	.	.

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	4.90	0.86	1.04	82.5	9.6	28.8	8.7	60.6	7.9	8	54.4
1497	PHY 312WRF	5.00	0.87	1.09	83.0	8.5	27.7	7.9	61.9	7.8	.	.
1503	FM 1830GLT	5.00	0.88	1.12	82.2	8.9	30.3	7.0	64.5	6.8	.	.
1516	DP 1646B2XF	4.90	0.86	1.16	82.2	9.0	28.2	8.4	66.1	6.7	6	55.2
1535	NG 4545B2XF	5.00	0.87	1.00	81.4	9.4	25.4	7.1	61.4	7.5	7	57.4
1536	PHY 764WRF	4.40	0.85	1.06	82.3	9.1	28.7	8.0	60.5	7.3	9	55.2
1537	DP 1522B2XF	5.10	0.86	1.05	82.5	9.5	27.4	9.0	61.9	7.0	.	.
1551	DG 3385B2XF	5.10	0.87	1.04	83.3	8.6	26.4	8.5	60.1	8.3	.	.
1552	NG 4601B2XF	5.30	0.88	1.09	81.8	9.4	29.6	7.8	63.8	6.7	.	.

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1404	PHY 499WRF	0.72	0.89	27.9	9.8	1.07	187.0	5.1	0.95	83	8
1497	PHY 312WRF	0.74	0.93	27.9	9.5	1.12	185.5	6.6	0.92	113	14
1503	FM 1830GLT	0.78	0.98	26.1	8.3	1.17	178.5	5.8	0.95	83	16
1516	DP 1646B2XF	0.76	0.97	29.6	10.0	1.18	176.5	6.7	0.91	85	12
1535	NG 4545B2XF	0.73	0.90	27.5	9.5	1.08	186.5	6.1	0.94	74	8
1536	PHY 764WRF	0.71	0.90	30.7	11.5	1.10	171.5	7.2	0.90	98	15
1537	DP 1522B2XF	0.74	0.90	25.4	9.0	1.06	190.5	6.7	0.92	78	6
1551	DG 3385B2XF	0.68	0.85	31.1	12.0	1.04	192.5	7.0	0.91	144	12
1552	NG 4601B2XF	0.77	0.95	25.3	8.4	1.13	186.5	6.1	0.93	73	9

BLACKLANDS 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
Commerce, TX	1152	.	.	8.7	3.93	.	.	.	.	.

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
Commerce, TX	5.0	0.87	1.07	82.3	9.1	28.1	8.0	62.3	7.3	8	55.6

LOCATION	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
Commerce, TX	0.73	0.92	27.9	9.8	1.10	183.9	6.4	0.92	92	11

BLACKLANDS REGION – INDIVIDUAL LOCATION SUMMARIES

Location : Commerce, TX

` vcode	VARIETY	Lint Yield (lb/a)	Seed Yield (lb/a)	Lint Percent	Seed Index	Boll Size (g/boll)	Oil	Nitr ogen	Plus Gossypol	Minus Gossypol	Free Gossypol
1552	NG 4601B2XF	1466	.	.	9.0	4.87	.	.	.	.	.
1503	FM 1830GLT	1458	.	.	8.9	4.53	.	.	.	.	.
1551	DG 3385B2XF	1276	.	.	7.5	3.95	.	.	.	.	.
1404	PHY 499WRF	1244	.	.	9.2	4.31	.	.	.	.	.
1536	PHY 764WRF	1104	.	.	9.7	3.66	.	.	.	.	.
1497	PHY 312WRF	1067	.	.	9.1	3.81	.	.	.	.	.
1537	DP 1522B2XF	1051	.	.	9.2	3.70	.	.	.	.	.
1516	DP 1646B2XF	901	.	.	7.6	3.74	.	.	.	.	.
1535	NG 4545B2XF	826	.	.	9.9	3.57	.	.	.	.	.
.	LSD	510	.	.	2.6	0.84	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1552	NG 4601B2XF	5.50	0.88	1.09	81.1	9.0	30.0	7.8	65.9	6.9	.	.
1503	FM 1830GLT	5.00	0.88	1.12	82.2	8.9	30.4	7.0	64.5	6.8	.	.
1551	DG 3385B2XF	5.10	0.87	1.04	83.3	8.6	26.5	8.5	60.2	8.3	.	.
1404	PHY 499WRF	5.00	0.86	1.03	82.9	10.3	29.4	8.7	59.1	7.8	10	48.8
1536	PHY 764WRF	4.35	0.85	1.06	82.3	9.1	28.8	8.0	60.6	7.4	9	55.2
1497	PHY 312WRF	5.05	0.87	1.09	83.0	8.5	27.8	7.9	61.9	7.8	.	.
1537	DP 1522B2XF	5.10	0.86	1.05	82.5	9.5	27.5	9.0	61.9	7.0	.	.
1516	DP 1646B2XF	4.85	0.86	1.16	82.2	9.0	28.3	8.4	66.1	6.7	6	55.2
1535	NG 4545B2XF	5.00	0.87	1.03	81.7	8.2	25.9	7.1	62.7	7.4	6	62.3
.	LSD	0.16	.	0.049	2.9	1.6	3.5	0.4	3.8	0.9	13	3.36

vcode	VARIETY	Length Number	Length Weight	Short Fiber Content Number	Short Fiber Content Weight	UQL wt.	Fineness	Immature Fiber Content	Maturity ratio	Nep Count	Seed Coat Number Count
1552	NG 4601B2XF	0.77	0.95	25.0	8.2	1.13	188.0	5.6	0.94	76	7
1503	FM 1830GLT	0.78	0.98	26.0	8.3	1.17	178.5	5.8	0.95	83	16
1551	DG 3385B2XF	0.68	0.85	31.0	12.0	1.04	192.5	7.0	0.91	144	12
1404	PHY 499WRF	0.74	0.90	25.0	8.7	1.07	195.0	3.7	0.99	64	6
1536	PHY 764WRF	0.71	0.90	31.0	11.4	1.10	171.5	7.2	0.90	98	15
1497	PHY 312WRF	0.74	0.93	28.0	9.5	1.12	185.5	6.6	0.92	113	14
1537	DP 1522B2XF	0.74	0.90	25.5	9.0	1.06	190.5	6.7	0.92	78	6
1516	DP 1646B2XF	0.76	0.97	29.5	10.0	1.18	176.5	6.7	0.91	85	12
1535	NG 4545B2XF	0.74	0.91	26.0	8.7	1.08	188.0	5.7	0.94	77	9
.	LSD	0.07	0.06	6.8	3.2	0.05	5	1.5	0	71	5

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