2014 National Cotton Variety Test

Crop Genetics Research Unit
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National Cotton Variety Tests, 2014
Yield, Boll, Seed, Spinning and Data

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

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

National Cotton Variety Tests, 2014.

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

Issued October, 2015.

Processed by National Cotton Variety Testing Program:

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

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SAINT JOSEPH, LA
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STONEVILLE, MS
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THRALL, TX
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ACKNOWLEDGMENTS

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

Arkansas -- F. M. Bourland
California -- R. Hutmacher, M. Gore (USDA-ARS)
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New Mexico -- J. Zhang
North Carolina - K. Edmisten
Oklahoma -- R. Bowman
South Carolina -- T. Campbell (USDA-ARS) and M. Jones
Texas -- J. Dever, S. Hague, and C. W. Smith

The interest and cooperation of the commercial cottonseed firms of the United States are acknowledged. For the most part, seeds of the regional varieties were contributed by commercial firms. Seeds of varieties used as national standards were supplied by the following organizations:

DP 0912B2RF -- DELTA AND PINE LAND COMPANY;

FM 2484B2F-- FIBERMAX SEED COMPANY; AND

PHY 499WRF AND PHYTOGEN 725RF -- 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 - 2014
Yield Archive File	1960 - 2014
Fiber Quality Archive File	1960 - 2014
Pima Combed Yarn Archive File	1962 - 2014

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

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

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INTRODUCTION

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

National standard varieties are chosen for a 3-year testing cycle. For the eighteenth 3-year testing cycle, beginning in 2011, the national standards were DP 0912B2RF, FM 9058F, PHY 375WRF, and PHYTOGEN 725RF. 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 2014 NCVT publication, services previously provided by StarLab, Inc., Knoxville, TN, were discontinued due to the laboratory closure. Analysis of fiber samples were performed by the Cotton Structure and Quality Research Unit, USDA, ARS, SRRC, New Orleans, LA. Fiber sample analysis includes HVI, AFIS, and Spinning data.

REGIONAL TESTS PARTICIPATING STATIONS

Eastern Regional Cotton Variety Test (Upland Varieties)

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

Delta Regional Cotton Variety Test (Upland Varieties)

- Arkansas Agricultural Experiment Station
  - Delta Substation — Clarkedale, AR
- Mississippi Agricultural and Forestry Experiment Station
  - Delta Branch — Stoneville, MS
- Louisiana Agricultural Experiment Station
  - Northeast Louisiana Experiment Station — St. Joseph, LA

Central Regional Cotton Variety Test (Upland Varieties)

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

Off-Station Test	Neuces County, TX

Blackland Regional Cotton Variety Test (Upland Varieties)

Texas A&M University	
Agricultural Research and Extension	Dallas, TX
Stiles Farm Foundation	Thrall, TX

Plains Regional Cotton Variety Test (Upland Varieties)

Oklahoma Agricultural Experiment Station	
Cotton Research Station	
Irrigated Test	Chickasha, OK
Dryland Test	Chickasha, OK
Irrigation Experiment Station	Altus, OK
Southwest Agronomy Research Station	
Dryland Test	Tipton, OK
Texas A&M University	
Agricultural Research and Extension Center (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	
Delta Substation	Keiser, AR Portageville, MO
Clemson University	
Pee Dee Experiment Station	Florence, SC

Georgia Agricultural Experiment Station
Louisiana Agricultural Experiment Station
Red River Valley Experiment Station — Bossier City, LA
Mississippi Agricultural and 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
Cotton Research Center — Maricopa, AZ
Agricultural Research and Extension Center — El Paso, TX

Combed-Yarn Test (American Pima Varieties)**

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

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

EXPLANATIONS AND DEFINITIONS

No interpretation of the test results other than the indication of the significant difference among means based on an analysis of variance is presented. The variety x location interaction mean square was used as the Error term in F tests and Duncan's Multiple Range tests in the combined-over-locations ANOVA for each region. 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.

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 2014 , 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:
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 2014

CODE	VARIETY	IN REGIONAL TEST
1438	ALL-TEX NITRO 44B2RF	PLAINS, CENTRAL, AND BLACKLANDS
1489	Ark 0607-05	RHQ
1490	Ark 0608-15	RHQ
1488	Ark 0615-49	RHQ
1495	Croplan 3787B2RF	CENTRAL AND BLACKLANDS
1491	DC 13-7	RHQ
1492	DC F7 Bulk Population	RHQ
1467	DG 2285B2RF	EASTERN
1479	DG 2355B2RF	EASTERN
1412	DP 0912B2RF*	NATIONAL STANDARD; ALL EXCEPT PIMA AND RHQ
1427	DP 1044B2RF	PLAINS, CENTRAL, AND BLACKLANDS
1397	DP 1050B2RF	EASTERN AND RHQ
1429	DP 1137B2RF	EASTERN
1436	DP 1219B2RF	CENTRAL, RHQ, AND BLACKLANDS
1449	DP 1252B2RF	EASTERN
1496	DP 1311B2RF	RHQ
1457	DP 1321B2RF	DELTA AND RHQ
1473	DP 1359B2RF	WESTERN
1482	DP 1410B2RF	RHQ
1272	DP 340	PIMA
1471	DP 358RF	PIMA
1292	DP 393	RHQ
1451	FM 1944GLB2	DELTA
1475	FM 2011GT	PLAINS
1474	FM 2322GL	WESTERN AND RHQ
1483	FM 2334GLT	RHQ
1441	FM 2484B2F*	NATIONAL STANDARD; ALL EXCEPT PIMA
1480	HQ 210CT	EASTERN
1494	MON 12R254R2P	PIMA
1493	MON 13R348R2P	PIMA

1465	NG 1511B2RF	PLAINS, EASTERN, CENTRAL, DELTA, AND BLACKLANDS
1466	NG 5315B2RF	EASTERN
1487	PD 05069	RHQ
1478	PHY 333WRF	EASTERN
1469	PHY 339WRF	EASTERN
1453	PHY 399WRF	DELTA
1481	PHY 427WRF	DELTA
1459	PHY 444WRF*	NATIONAL STANDARD; ALL REGIONS EXCEPT PIMA
1470	PHY 575WRF	EASTERN, RHQ
1361	PHY 755WRF	WESTERN
1433	PHY 802	PIMA
1432	PHY 805	PIMA
1472	PHY 811RF	PIMA
1426	Phytogen 725RF*	NATIONAL STANDARD; ALL REGIONS EXCEPT PIMA
1484	PX 4478-20WRF	RHQ
1485	PX 4539-15WRF	RHQ
1468	ST 4946GLB2	PLAINS, EASTERN AND DELTA
1461	ST 6448GLB2	EASTERN
1486	TAM 11K-13ELS	RHQ
1450	UA 222	EASTERN

United States Department of Agriculture

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PLAINS

2014 NATIONAL COTTON VARIETY TEST
OVERALL SUMMARIES FOR PLAINS BY VARIETIES

COMBINING ALL SUB- REGIONS --- PLAINS

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1468	ST 4946GLB2	1269	1770	40.9	10.6	6.2	20.57	3.41	0.49	0.76	1.26
1475	FM 2011GT	1250	1664	41.7	10.6	6.17	20.53	3.52	0.44	0.56	1
1438	ALL-TEX NITRO 44B2RF	1198	1820	40.1	10.2	5.04	22.39	3.6	0.49	0.71	1.21
1404	PHY 499WRF	1185	1818	41.8	8.7	4.98	20.55	3.67	0.46	0.73	1.18
1427	DP 1044B2RF	1184	1772	39.7	8.7	4.64	20.78	3.23	0.47	0.79	1.26
1465	NG 1511B2RF	1154	1559	42.7	9.2	5.25	20.1	3.43	0.55	0.78	1.33
1441	FM 2484B2F	1141	1477	42.3	9.2	5.14	21.77	3.47	0.47	0.73	1.2
1412	DP 0912B2RF	1139	1723	40.3	9.3	4.95	19.39	3.4	0.48	0.68	1.16
1426	Phytogen 725RF	960	1470	38.2	9.7	5.01	20.38	3.55	0.42	0.58	0.99

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1468	ST 4946GLB2	4.95	0.85	1.11	83.8	7.9	32.3	9.5	77.5	7.5	5	81.05
1475	FM 2011GT	4.4	0.85	1.109	82.7	8.9	30.2	7.7	77.2	6.8	6	79.7
1438	ALL-TEX NITRO 44B2RF	4.14	0.84	1.175	83.5	7.8	33.2	9.1	76.9	6.7	7	78.36
1404	PHY 499WRF	4.9	0.85	1.106	83.7	7.9	32	10.2	78.3	7	6	79.5
1427	DP 1044B2RF	4.86	0.85	1.095	82.5	8.4	30.7	10.5	78.9	6.9	6	71.47
1465	NG 1511B2RF	4.86	0.85	1.104	82.8	8.7	30.6	9.9	77.8	7.5	5	76.43
1441	FM 2484B2F	4.39	0.85	1.138	82.2	8.7	31.1	7.7	80	6.4	5	81.89
1412	DP 0912B2RF	4.96	0.86	1.082	82.6	9.1	29.2	8.9	77.2	7.2	6	76.47
1426	Phytogen 725RF	4.23	0.84	1.148	82.8	8.3	33.8	9.2	75.3	7.4	6	79.65

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1468	ST 4946GLB2	0.84	0.99	18.3	6.1	1.16	189.1	2.6	0.99	141	9
1475	FM 2011GT	0.78	0.96	24.5	8.6	1.15	163.1	4.3	0.94	200	13
1438	ALL-TEX NITRO 44B2RF	0.86	1.03	19.7	6.5	1.23	161.6	3.7	0.93	246	13
1404	PHY 499WRF	0.83	0.98	19	6.2	1.15	183.2	2.9	0.97	175	11
1427	DP 1044B2RF	0.81	0.97	21	7.1	1.14	186.6	3.3	0.94	164	10
1465	NG 1511B2RF	0.82	0.97	19.3	6.8	1.15	183.8	3	0.97	175	10
1441	FM 2484B2F	0.81	0.99	23.7	8.1	1.19	164.6	3.7	0.96	226	11
1412	DP 0912B2RF	0.79	0.94	22.2	7.9	1.12	183.8	3.4	0.96	204	12

1426	Phytogen 725RF	0.85	1.01	20.5	7.1	1.21	166.2	3.3	0.96	238	14

PLAINS SUB REGION 11 ONLY

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1468	ST 4946GLB2	560	731	40.7	10	6.38	20.59	3.56	0.45	0.73	1.18
1412	DP 0912B2RF	556	856	39.9	8.5	4.7	19.73	3.51	0.41	0.61	1.02
1475	FM 2011GT	545	667	41.1	9.8	6.03	20.48	3.78	0.37	0.49	0.86
1427	DP 1044B2RF	544	746	39.7	7.9	4.34	21.11	3.34	0.42	0.78	1.2
1441	FM 2484B2F	531	698	42	8.6	4.83	22.18	3.66	0.42	0.68	1.1
1404	PHY 499WRF	517	740	42.5	8	4.89	20.96	3.82	0.4	0.67	1.06
1465	NG 1511B2RF	479	644	41.9	8.6	4.94	20.23	3.57	0.48	0.72	1.2
1438	ALL-TEX NITRO 44B2RF	435	692	38.9	9.3	4.54	22.5	3.68	0.43	0.67	1.11
1426	Phytogen 725RF	343	494	37	9.1	4.36	20	3.78	0.35	0.5	0.85
.	LSD	88	243	2.1	0.5	0.86	1.27	0.19	0.06	0.09	0.15

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1468	ST 4946GLB2	5.02	0.85	1.061	82.6	8.7	31.4	9.9	79.1	7.6	3	84.59
1412	DP 0912B2RF	4.92	0.86	1.041	81.2	10.2	28	9.1	78.5	7.3	5	77.34
1475	FM 2011GT	4.35	0.85	1.066	81.7	10.1	29.2	7.9	77.9	7	5	80.68
1427	DP 1044B2RF	4.92	0.85	1.055	81.5	9.3	29.5	10.9	80.2	6.8	5	71.46
1441	FM 2484B2F	4.45	0.85	1.091	81.3	9.7	29.7	8	81.7	6.7	4	82.65
1404	PHY 499WRF	4.99	0.85	1.057	82.3	9	31	10.7	80	7.1	4	84.27
1465	NG 1511B2RF	4.92	0.85	1.054	81.4	9.9	29.2	10.3	79.1	7.5	4	80.02
1438	ALL-TEX NITRO 44B2RF	4.18	0.84	1.118	82.4	8.8	32	9.5	78	6.7	6	79.28
1426	Phytogen 725RF	4.21	0.84	1.103	81.4	9.5	32.4	9.5	75.5	7.5	5	82.7
.	LSD	0.3	0.01	0.035	1.1	1.6	1.7	0.5	2.4	0.7	2	9.03

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1468	ST 4946GLB2	0.81	0.95	18.3	6.3	1.11	190.5	2.6	0.99	155	7
1412	DP 0912B2RF	0.75	0.9	24.5	9.1	1.08	179.9	3.9	0.94	247	11
1475	FM 2011GT	0.76	0.93	24.5	8.8	1.1	162.9	4.6	0.94	237	12
1427	DP 1044B2RF	0.78	0.93	22.5	7.9	1.1	184.9	3.6	0.94	198	10
1441	FM 2484B2F	0.77	0.94	24.5	8.7	1.13	163.4	4	0.94	276	12
1404	PHY 499WRF	0.8	0.94	19.3	6.5	1.09	182.5	2.9	0.96	202	11

	1465	NG 1511B2RF	0.78	0.93	21.3	7.7	1.1	183.8	3.2	0.96	194	8
	1438	ALL-TEX NITRO 44B2RF	0.82	0.98	21.3	7.3	1.17	160.3	4.1	0.92	292	11
	1426	Phytogen 725RF	0.79	0.96	23.5	8.5	1.15	163.8	3.8	0.94	288	12
.		LSD	0.04	0.03	3.7	1.5	0.03	5.9	0.6	0.02	50	6

PLAINS SUB REGION 12 ONLY

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1468	ST 4946GLB2	1978	2809	41	11.9	6.02	20.53	3.1	0.58	0.84	1.42
1438	ALL-TEX NITRO 44B2RF	1961	2949	41.4	12	5.53	22.17	3.44	0.61	0.8	1.41
1475	FM 2011GT	1955	2661	42.4	12.2	6.32	20.64	2.99	0.58	0.71	1.29
1404	PHY 499WRF	1853	2895	41.2	10.1	5.07	19.72	3.37	0.57	0.85	1.42
1465	NG 1511B2RF	1829	2474	43.4	10.3	5.55	19.83	3.16	0.68	0.92	1.6
1427	DP 1044B2RF	1825	2798	39.7	10.1	4.94	20.1	3.02	0.56	0.82	1.38
1441	FM 2484B2F	1751	2256	42.5	10.5	5.45	20.96	3.08	0.58	0.81	1.39
1412	DP 0912B2RF	1722	2590	40.7	10.7	5.21	18.72	3.18	0.63	0.84	1.46
1426	Phytogen 725RF	1578	2447	39.4	11	5.65	21.15	3.09	0.55	0.73	1.28
.	LSD	367	581	4.7	.	1.39	.	.	.	.	.

vcode	VARIETY	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1468	ST 4946GLB2	0.86	1.21	86.1	6.2	34.2	8.9	74.2	7.2	8	73.98
1438	ALL-TEX NITRO 44B2RF	0.85	1.288	85.7	5.7	35.5	8.4	74.6	6.8	8	76.54
1475	FM 2011GT	0.86	1.196	84.7	6.4	32.2	7.2	75.8	6.5	8	77.76
1404	PHY 499WRF	0.85	1.206	86.5	5.8	34.1	9.2	74.8	6.8	8	69.95
1465	NG 1511B2RF	0.86	1.204	85.5	6.3	33.2	9	75.1	7.7	8	69.24
1427	DP 1044B2RF	0.85	1.176	84.5	6.7	33.3	9.7	76.1	7.2	7	71.49
1441	FM 2484B2F	0.86	1.232	84.2	6.8	33.8	7.1	76.4	5.9	7	80.38
1412	DP 0912B2RF	0.87	1.165	85.4	6.8	31.6	8.4	74.6	7	8	74.74
1426	Phytogen 725RF	0.85	1.239	85.6	6	36.7	8.6	74.9	7.2	7	73.55
.	LSD	.	.	.	.	.	.	.	.	.	.

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1468	ST 4946GLB2	0.89	1.07	18.5	5.6	1.26	186.2	2.6	0.99	114	13
1438	ALL-TEX NITRO 44B2RF	0.95	1.13	16.5	4.9	1.34	164.4	3	0.95	153	18
1475	FM 2011GT	0.83	1.03	24.5	8.4	1.25	163.5	3.8	0.95	128	14

1404	PHY 499WRF	0.9	1.07	18.5	5.6	1.25	184.7	2.7	0.99	122	13
1465	NG 1511B2RF	0.91	1.06	15.5	4.9	1.25	183.9	2.5	0.98	136	13
1427	DP 1044B2RF	0.89	1.05	18	5.6	1.23	189.9	2.8	0.96	97	11
1441	FM 2484B2F	0.88	1.08	22	6.8	1.31	167	3.2	0.98	124	11
1412	DP 0912B2RF	0.88	1.03	17.5	5.4	1.21	191.7	2.4	1	119	13
1426	Phytogen 725RF	0.97	1.13	14.5	4.2	1.33	171	2.4	0.98	138	18
.	LSD	.	.	.	.	.	.	.	.	.	.

PLAINS REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
CHILLICOTHE, TX (IRR)	1934	3080	39.2	.	3.17	.	.	.	.	.
FORT COBB, TX	1722	2226	43.4	11	7.89	20.42	3.16	0.59	0.81	1.4
LUBBOCK, TX (IRR)	586	751	40.8	9.2	5.1	21.57	3.52	0.46	0.7	1.15
LAMESA, TX (DRY)	415	642	40	8.6	4.9	20.16	3.75	0.37	0.6	0.97

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
CHILLICOTHE, TX (IRR)	.	.	.	.	.	.	.	.	.	.	.
FORT COBB, TX	4.57	0.85	1.213	85.3	6.3	33.8	8.5	75.1	6.9	8	74.18
LUBBOCK, TX (IRR)	4.69	0.85	1.091	82.2	8.9	31.3	9.9	80.9	6.7	5	81.51
LAMESA, TX (DRY)	4.64	0.85	1.052	81.3	10	29.2	9.1	77	7.5	4	79.16

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
CHILLICOTHE, TX (IRR)	.	.	.	.	.	.	.	.	.	.
FORT COBB, TX	0.9	1.07	18.4	5.7	1.27	178	2.8	0.97	125	14
LUBBOCK, TX (IRR)	0.8	0.96	21	7.3	1.14	175.3	3.6	0.95	239	10
LAMESA, TX (DRY)	0.76	0.92	23.3	8.4	1.09	174	3.7	0.95	225	10

PLAINS REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=LUBBOCK, TX (IRR)

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1412	DP 0912B2RF	669	978	39.5	8.8	4.52	20.01	3.34	0.46	0.66	1.11
1468	ST 4946GLB2	661	785	41.1	10.3	6.56	21.97	3.47	0.49	0.79	1.27
1441	FM 2484B2F	636	855	41.7	8.9	5.15	22.49	3.63	0.46	0.72	1.17
1427	DP 1044B2RF	630	711	40.6	8.3	4.36	21.6	3.23	0.44	0.79	1.23
1465	NG 1511B2RF	599	782	42.8	8.6	5.12	21.01	3.47	0.57	0.82	1.39
1475	FM 2011GT	594	647	41.2	10.5	6.58	21.72	3.61	0.42	0.54	0.96
1404	PHY 499WRF	594	816	43.7	8.5	5.11	21.4	3.63	0.44	0.71	1.15
1438	ALL-TEX NITRO 44B2RF	511	725	40.2	9.7	4.27	23.13	3.59	0.49	0.73	1.22
1426	Phytogen 725RF	385	460	36.8	9.4	4.24	20.82	3.74	0.37	0.53	0.9
.	LSD	178	457	2.3	1	0.94	1.85	0.24	0.06	0.08	0.13

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1412	DP 0912B2RF	4.96	0.86	1.071	81.6	9.5	29.1	9.5	80	6.8	6	83.55
1468	ST 4946GLB2	5.09	0.85	1.088	83.3	7.9	32.5	10.2	80.4	7.4	3	82.34
1441	FM 2484B2F	4.59	0.86	1.111	81.8	8.9	31	8.6	83.4	6.1	5	82.8
1427	DP 1044B2RF	4.99	0.85	1.063	81.7	9	29.7	11.3	81.7	6.9	5	68.23
1465	NG 1511B2RF	4.94	0.85	1.073	82.1	9.3	30.8	10.8	81.5	7.1	4	81.74
1475	FM 2011GT	4.48	0.85	1.09	82.6	8.7	31.1	8.5	80.9	6.4	5	82.34
1404	PHY 499WRF	4.94	0.85	1.062	82.4	9.2	31.3	11.2	81.1	6.8	5	85.78
1438	ALL-TEX NITRO 44B2RF	4.13	0.84	1.152	83	8.2	33.2	9.5	80.9	6.2	7	81.38
1426	Phytogen 725RF	4.07	0.83	1.107	81.4	9.6	33.4	9.9	78	7.3	5	85.41
.	LSD	0.36	0.01	0.077	2.7	2.8	3.5	0.9	3.5	0.5	3	18.52

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
1412	DP 0912B2RF	0.77	0.93	24	8.6	1.11	178.8	4.1	0.94	258	13
1468	ST 4946GLB2	0.83	0.98	18	6.1	1.14	189.5	2.7	0.98	161	6
1441	FM 2484B2F	0.79	0.96	23	8	1.15	163.9	4	0.94	296	12
1427	DP 1044B2RF	0.79	0.94	22	7.7	1.11	188.4	3.4	0.94	205	12
1465	NG 1511B2RF	0.82	0.96	18	6.4	1.12	186	2.9	0.96	182	7
1475	FM 2011GT	0.79	0.95	22.5	7.9	1.13	165.7	4.3	0.95	215	9
1404	PHY 499WRF	0.81	0.95	19	6.5	1.11	183.5	3	0.96	212	13
1438	ALL-TEX NITRO 44B2RF	0.86	1.02	19	6.3	1.21	158.9	4	0.93	303	9
1426	Phytogen 725RF	0.79	0.97	23.5	8.5	1.16	163.2	3.9	0.94	316	15
.	LSD	0.1	0.09	8.1	3.7	0.08	5.5	1.5	0.03	117	9

LOCATION=LAMESA, TX (DRY)

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1475	FM 2011GT	495	688	40.9	9.2	5.48	19.24	3.96	0.33	0.44	0.77
1468	ST 4946GLB2	459	677	40.3	9.8	6.2	19.21	3.66	0.41	0.67	1.08
1427	DP 1044B2RF	457	782	38.9	7.6	4.33	20.63	3.45	0.4	0.77	1.17
1412	DP 0912B2RF	443	735	40.2	8.3	4.88	19.45	3.69	0.37	0.56	0.92
1404	PHY 499WRF	440	664	41.4	7.6	4.67	20.52	4.02	0.36	0.62	0.98
1441	FM 2484B2F	426	541	42.4	8.4	4.52	21.87	3.7	0.38	0.65	1.03
1465	NG 1511B2RF	359	505	41.1	8.6	4.76	19.46	3.68	0.4	0.61	1.01
1438	ALL-TEX NITRO 44B2RF	358	659	37.6	9	4.82	21.87	3.78	0.38	0.62	1
1426	Phytogen 725RF	300	527	37.2	8.9	4.48	19.18	3.81	0.33	0.48	0.8
.	LSD	75	125	2.9	0.5	0.66	1.03	0.21	0.08	0.12	0.2

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1475	FM 2011GT	4.22	0.85	1.041	80.8	11.5	27.4	7.4	74.9	7.7	5	79.02
1468	ST 4946GLB2	4.96	0.86	1.033	81.9	9.6	30.4	9.5	77.9	7.9	4	86.83
1427	DP 1044B2RF	4.85	0.85	1.047	81.4	9.6	29.2	10.6	78.8	6.7	6	74.69
1412	DP 0912B2RF	4.89	0.86	1.011	80.8	11	26.9	8.7	77.1	7.9	4	71.13
1404	PHY 499WRF	5.05	0.86	1.051	82.3	8.9	30.7	10.3	79	7.5	4	82.77
1441	FM 2484B2F	4.31	0.85	1.071	80.7	10.5	28.4	7.5	80.1	7.3	4	82.5
1465	NG 1511B2RF	4.9	0.86	1.036	80.7	10.5	27.7	9.8	76.8	7.9	4	78.31
1438	ALL-TEX NITRO 44B2RF	4.24	0.84	1.085	81.9	9.5	30.9	9.4	75.2	7.3	6	77.18
1426	Phytogen 725RF	4.35	0.85	1.098	81.5	9.4	31.5	9.1	73.1	7.7	5	79.99
.	LSD	0.25	0.01	0.029	1.1	1.7	1.8	0.7	3.4	0.6	3	18.84

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1475	FM 2011GT	0.74	0.9	26.5	9.7	1.08	160.2	4.9	0.93	258	16
1468	ST 4946GLB2	0.79	0.93	18.5	6.6	1.08	191.5	2.5	1	148	7
1427	DP 1044B2RF	0.77	0.92	23	8.2	1.09	181.5	3.8	0.93	191	8
1412	DP 0912B2RF	0.73	0.88	25	9.6	1.05	181	3.7	0.94	237	10
1404	PHY 499WRF	0.79	0.93	19.5	6.6	1.08	181.5	2.9	0.96	191	8
1441	FM 2484B2F	0.75	0.92	26	9.4	1.1	163	3.9	0.95	257	12
1465	NG 1511B2RF	0.75	0.9	24.5	9.1	1.07	181.5	3.5	0.96	207	10
1438	ALL-TEX NITRO 44B2RF	0.79	0.95	23.5	8.3	1.13	161.7	4.2	0.92	282	13

1426	Phytogen 725RF	0.79	0.95	23.5	8.6	1.14	164.5	3.7	0.95	259	10
.	LSD	0.05	0.04	5.2	2.3	0.03	8	1.1	0.03	85	6

LOCATION=CHILLICOTHE, TX (IRR)

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1475	FM 2011GT	2199	3234	40.4	.	3.41	.	.	.	.	.
1438	ALL-TEX NITRO 44B2RF	2096	3369	40.2	.	3.3	.	.	.	.	.
1468	ST 4946GLB2	2052	3147	39.2	.	3.48	.	.	.	.	.
1427	DP 1044B2RF	1977	3189	38.7	.	3.09	.	.	.	.	.
1441	FM 2484B2F	1958	2699	40.6	.	3.86	.	.	.	.	.
1404	PHY 499WRF	1921	3703	36.1	.	2.6	.	.	.	.	.
1426	Phytogen 725RF	1773	2816	38.5	.	2.84	.	.	.	.	.
1465	NG 1511B2RF	1735	2803	39.6	.	3.04	.	.	.	.	.
1412	DP 0912B2RF	1695	2762	39.7	.	2.92	.	.	.	.	.
.	LSD	314	1309	5.2	.	1.58	.	.	.	.	.

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1475	FM 2011GT	.	.	.	.	.	.	.	.	.	.	.
1438	ALL-TEX NITRO 44B2RF	.	.	.	.	.	.	.	.	.	.	.
1468	ST 4946GLB2	.	.	.	.	.	.	.	.	.	.	.
1427	DP 1044B2RF	.	.	.	.	.	.	.	.	.	.	.
1441	FM 2484B2F	.	.	.	.	.	.	.	.	.	.	.
1404	PHY 499WRF	.	.	.	.	.	.	.	.	.	.	.
1426	Phytogen 725RF	.	.	.	.	.	.	.	.	.	.	.
1465	NG 1511B2RF	.	.	.	.	.	.	.	.	.	.	.
1412	DP 0912B2RF	.	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.	.

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1475	FM 2011GT	.	.	.	.	.	.	.	.	.	.
1438	ALL-TEX NITRO 44B2RF	.	.	.	.	.	.	.	.	.	.
1468	ST 4946GLB2	.	.	.	.	.	.	.	.	.	.
1427	DP 1044B2RF	.	.	.	.	.	.	.	.	.	.
1441	FM 2484B2F	.	.	.	.	.	.	.	.	.	.

1404	PHY 499WRF	.	.	.	.	.	.	.	.	.	.
1426	Phytogen 725RF	.	.	.	.	.	.	.	.	.	.
1465	NG 1511B2RF	.	.	.	.	.	.	.	.	.	.
1412	DP 0912B2RF	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

LOCATION=FORT COBB, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1465	NG 1511B2RF	1924	2144	47.2	10.3	8.07	19.83	3.16	0.68	0.92	1.6
1468	ST 4946GLB2	1904	2471	42.9	11.9	8.57	20.53	3.1	0.58	0.84	1.42
1438	ALL-TEX NITRO 44B2RF	1827	2529	42.7	12	7.77	22.17	3.44	0.61	0.8	1.41
1404	PHY 499WRF	1785	2088	46.3	10.1	7.53	19.72	3.37	0.57	0.85	1.42
1412	DP 0912B2RF	1750	2418	41.6	10.7	7.5	18.72	3.18	0.63	0.84	1.46
1475	FM 2011GT	1710	2087	44.5	12.2	9.23	20.64	2.99	0.58	0.71	1.29
1427	DP 1044B2RF	1674	2407	40.7	10.1	6.8	20.1	3.02	0.56	0.82	1.38
1441	FM 2484B2F	1543	1814	44.4	10.5	7.03	20.96	3.08	0.58	0.81	1.39
1426	Phytogen 725RF	1383	2077	40.3	11	8.47	21.15	3.09	0.55	0.73	1.28
.	LSD	219	511	2.4	1.3	0.99	1.4	0.28	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
1465	NG 1511B2RF	4.76	0.86	1.204	85.5	6.3	33.2	9	75.1	7.7	8	69.24
1468	ST 4946GLB2	4.8	0.86	1.21	86.1	6.2	34.2	8.9	74.2	7.2	8	73.98
1438	ALL-TEX NITRO 44B2RF	4.05	0.85	1.288	85.7	5.7	35.5	8.4	74.6	6.8	8	76.54
1404	PHY 499WRF	4.72	0.85	1.206	86.5	5.8	34.1	9.2	74.8	6.8	8	69.95
1412	DP 0912B2RF	5.03	0.87	1.165	85.4	6.8	31.6	8.4	74.6	7	8	74.74
1475	FM 2011GT	4.49	0.86	1.196	84.7	6.4	32.2	7.2	75.8	6.5	8	77.76
1427	DP 1044B2RF	4.75	0.85	1.176	84.5	6.7	33.3	9.7	76.1	7.2	7	71.49
1441	FM 2484B2F	4.27	0.86	1.232	84.2	6.8	33.8	7.1	76.4	5.9	7	80.38
1426	Phytogen 725RF	4.28	0.85	1.239	85.6	6	36.7	8.6	74.9	7.2	7	73.55
.	LSD	0.61	0.02	0.026	1.1	0.7	1.6	0.4	2.5	0.8	2	6.97

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1465	NG 1511B2RF	0.91	1.06	15.5	4.9	1.25	183.9	2.5	0.98	136	13
1468	ST 4946GLB2	0.89	1.07	18.5	5.6	1.26	186.2	2.6	0.99	114	13

1438	ALL-TEX NITRO 44B2RF	0.95	1.13	16.5	4.9	1.34	164.4	3	0.95	153	18
1404	PHY 499WRF	0.9	1.07	18.5	5.6	1.25	184.7	2.7	0.99	122	13
1412	DP 0912B2RF	0.88	1.03	17.5	5.4	1.21	191.7	2.4	1	119	13
1475	FM 2011GT	0.83	1.03	24.5	8.4	1.25	163.5	3.8	0.95	128	14
1427	DP 1044B2RF	0.89	1.05	18	5.6	1.23	189.9	2.8	0.96	97	11
1441	FM 2484B2F	0.88	1.08	22	6.8	1.31	167	3.2	0.98	124	11
1426	Phytogen 725RF	0.97	1.13	14.5	4.2	1.33	171	2.4	0.98	138	18
.	LSD	0.03	0.05	2.7	0.7	0.06	13.5	0.9	0.03	43	11

2014 National Cotton Variety Test

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CENTRAL REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR CENTRAL BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1404	PHY 499WRF	1732	2260	44.4	8.9	4.91	19.86	3.61	0.47	0.72	1.19
1412	DP 0912B2RF	1639	2331	40.5	9	4.75	20.01	3.19	0.48	0.67	1.16
1436	DP 1219B2RF	1616	2264	42	7.9	4.35	19.3	3.48	0.42	0.6	1.02
1495	Croplan 3787B2RF	1577	1935	44.8	8.3	4.88	16.96	3.6	0.5	0.72	1.21
1465	NG 1511B2RF	1561	1945	44.3	9.1	5.08	19.97	3.39	0.6	0.79	1.39
1438	ALL-TEX NITRO 44B2RF	1494	2145	39.7	10.2	5.23	23.04	3.38	0.51	0.71	1.23
1427	DP 1044B2RF	1471	1832	42.4	8.2	4.39	20.58	3.1	0.43	0.76	1.19
1441	FM 2484B2F	1378	2098	41.2	9.5	4.58	22.43	3.24	0.51	0.76	1.27
1426	Phytogen 725RF	1225	1750	39.1	10.1	5.04	21.33	3.4	0.43	0.59	1.02
.	LSD	269	474	1.9	0.7	0.33	1.34	0.3	0.07	0.12	0.19

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	4.7	0.85	1.122	84.2	7.3	32.4	9.2	71.9	7.4	7	71.68
1412	DP 0912B2RF	4.86	0.86	1.107	83.7	7.9	30.3	8	72.1	6.9	7	74.11
1436	DP 1219B2RF	4.31	0.85	1.14	83	8.7	32.2	7.3	75.1	7.2	7	79.5
1495	Croplan 3787B2RF	4.61	0.85	1.146	84.4	7.2	30	8.8	74	7.8	5	66.97
1465	NG 1511B2RF	4.76	0.86	1.119	83.7	7.2	30.7	9	74	7.6	6	69.78
1438	ALL-TEX NITRO 44B2RF	3.97	0.84	1.198	84.7	6.5	32.3	8.1	72.9	7	8	73.83
1427	DP 1044B2RF	4.45	0.85	1.113	83.5	7.7	30.1	8.9	73.9	7.5	7	68.62
1441	FM 2484B2F	4.11	0.85	1.189	84	7.3	32.2	6.9	74.6	6.2	7	74.1
1426	Phytogen 725RF	4.29	0.85	1.213	84.8	6.3	34.5	7.9	71.7	7.9	7	78.5
.	LSD	0.33	0.01	0.028	0.8	1.1	1	0.4	1.8	0.5	1	4.77

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1404	PHY 499WRF	0.85	1	18.3	6	1.16	181.4	2.9	0.97	117	13
1412	DP 0912B2RF	0.84	0.99	18.5	6.2	1.15	189.7	2.5	0.99	102	12
1436	DP 1219B2RF	0.82	1	22.2	7.6	1.2	169.7	3.4	0.97	118	10
1495	Croplan 3787B2RF	0.88	1.03	16.7	5.4	1.21	180.6	2.9	0.95	115	11
1465	NG 1511B2RF	0.83	0.98	17.8	6.2	1.15	183	2.8	0.97	120	11

1438	ALL-TEX NITRO 44B2RF	0.9	1.07	16.8	5.1	1.25	166.2	3.3	0.95	153	21
1427	DP 1044B2RF	0.82	0.98	20.2	6.9	1.15	179.6	3.5	0.94	143	20
1441	FM 2484B2F	0.88	1.05	18.8	6	1.25	166.2	3	0.98	127	11
1426	Phytogen 725RF	0.91	1.07	16.3	5.2	1.27	171.3	2.4	0.99	130	16
.	LSD	0.04	0.03	3.4	1.4	0.04	7.9	0.7	0.03	28	7

CENTRAL REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
WESLACO, TX	2163	2927	42.1	9.5	5.17	20.87	3.07	0.5	0.7	1.2
COLLEGE STATION, TX	1980	2706	41.8	9.6	5.26	20.79	3.17	0.57	0.77	1.35
BEEVILLE, TX	422	553	42.2	8	3.97	19.49	3.89	0.37	0.64	1.01

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
WESLACO, TX	4.55	0.85	1.191	84.6	6.9	31.8	8.2	73	7.6	7	72.03
COLLEGE STATION, TX	4.34	0.85	1.204	84.4	6.8	32.8	8.2	73.8	6.8	8	72.57
BEEVILLE, TX	4.47	0.85	1.054	82.9	8.3	30.3	8.3	73.2	7.4	6	74.42

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
WESLACO, TX	0.89	1.06	17.4	5.4	1.25	180	2.7	0.98	125	13
COLLEGE STATION, TX	0.88	1.06	19.8	6.3	1.26	173.8	3.3	0.97	126	14
BEEVILLE, TX	0.8	0.94	18	6.5	1.09	175.5	2.9	0.95	123	15

CENTRAL REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=COLLEGE STATION, TX

vcode	VARIETY	LINT YIELD	SEED YIELD	LINT	SEED	BOLL SIZE		NITR	Minus	Plus	FREE

		(LB/ACRE)	(LB/AC)	PERCENT	INDEX	(G/BOLL)	OIL	OGEN	Gossypol	Gossypol	GOSSYPOL
1412	DP 0912B2RF	2272	3143	42.2	9.3	5.03	20.59	2.93	0.63	0.84	1.46
1404	PHY 499WRF	2246	2851	44.1	9.5	5.52	19.77	3.49	0.57	0.83	1.4
1495	Croplan 3787B2RF	2130	2658	43.5	8.5	5.11	17.97	3.26	0.61	0.8	1.41
1465	NG 1511B2RF	1986	2586	43.6	9.6	5.58	20.5	3.19	0.7	0.87	1.57
1441	FM 2484B2F	1982	3235	40.9	10.7	5.26	23.27	3.21	0.62	0.83	1.45
1436	DP 1219B2RF	1981	2765	41.3	8.3	4.84	18.41	3.45	0.48	0.61	1.08
1438	ALL-TEX NITRO 44B2RF	1914	2696	38.5	11.3	5.67	22.53	3.37	0.54	0.69	1.23
1427	DP 1044B2RF	1697	2192	42	8.6	4.82	21.39	2.6	0.53	0.85	1.38
1426	Phytogen 725RF	1612	2234	40.4	10.4	5.5	22.66	3.05	0.51	0.66	1.17
.	LSD	376	1102	2.7	0.6	0.46	1.18	0.37	0.07	0.08	0.15

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1412	DP 0912B2RF	4.83	0.86	1.14	84.6	6.8	31.3	8.2	72.4	6.5	8	73.55
1404	PHY 499WRF	4.5	0.85	1.191	85.2	6.6	34.3	9.2	72.1	6.8	8	68.43
1495	Croplan 3787B2RF	4.19	0.85	1.197	84.7	6.9	30.9	8.6	75.2	7.3	7	67.23
1465	NG 1511B2RF	4.6	0.86	1.171	83.8	7	32.1	8.6	75.6	6.9	7	68.82
1441	FM 2484B2F	4.29	0.86	1.247	84.4	7.1	33.7	6.9	74.1	5.8	8	73.98
1436	DP 1219B2RF	4.21	0.85	1.207	83.6	8	34.1	7.6	75.5	6.5	8	79.15
1438	ALL-TEX NITRO 44B2RF	3.92	0.84	1.264	84.9	6.2	32.8	7.8	73.3	6.5	8	77.84
1427	DP 1044B2RF	4.41	0.85	1.142	83.2	7.2	31	9.2	74.9	7.3	7	66.99
1426	Phytogen 725RF	4.12	0.85	1.275	85.7	5.7	35.1	7.6	71.4	7.5	8	77.14
.	LSD	0.35	0.01	0.031	1.7	0.7	2.4	0.9	2.8	0.3	1	7.69

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
1412	DP 0912B2RF	0.86	1.02	19	6.1	1.2	188.4	2.8	0.98	107	13
1404	PHY 499WRF	0.87	1.05	19.5	6.3	1.23	178.5	3.1	0.96	111	12
1495	Croplan 3787B2RF	0.89	1.07	19.5	6.1	1.27	172.4	3.6	0.94	125	18
1465	NG 1511B2RF	0.84	1.01	21.5	7.6	1.21	175.7	3.6	0.95	142	9
1441	FM 2484B2F	0.93	1.11	18	5.2	1.33	166.5	3	0.98	99	6
1436	DP 1219B2RF	0.83	1.05	25	8.1	1.28	165.7	4	0.96	135	11
1438	ALL-TEX NITRO 44B2RF	0.94	1.13	16	4.4	1.33	170.3	3.2	0.98	150	18
1427	DP 1044B2RF	0.81	0.98	23.5	7.9	1.17	180	3.7	0.95	155	25
1426	Phytogen 725RF	0.95	1.13	16	4.8	1.34	166.7	2.6	0.99	112	13
.	LSD	0.09	0.06	7.7	3.2	0.05	12.4	1.3	0.04	66	11

LOCATION=WESLACO, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1404	PHY 499WRF	2495	3473	43.8	9.5	5.29	20.78	3.23	0.52	0.76	1.27
1436	DP 1219B2RF	2401	3447	42.3	8	4.61	19.37	3.27	0.4	0.55	0.95
1427	DP 1044B2RF	2304	2771	43.5	8.6	4.5	21.24	2.81	0.43	0.73	1.16
1465	NG 1511B2RF	2251	2714	44.6	9.6	5.42	20.31	3.07	0.61	0.77	1.38
1412	DP 0912B2RF	2202	3145	40.9	10	5.12	20.24	2.98	0.5	0.68	1.18
1438	ALL-TEX NITRO 44B2RF	2164	3149	40.4	10.3	5.73	24.08	2.95	0.58	0.74	1.32
1495	Croplan 3787B2RF	2103	2545	45.1	8.7	5.28	17.3	3.34	0.51	0.68	1.19
1441	FM 2484B2F	1836	2617	40.9	10	4.97	23.11	2.75	0.56	0.81	1.37
1426	Phytogen 725RF	1709	2484	37.6	10.7	5.58	21.46	3.25	0.45	0.56	1.01
.	LSD	290	490	1.4	0.7	0.55	1.54	0.25	0.09	0.09	0.18

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	4.87	0.86	1.155	84.4	7.6	32.3	9.1	71.7	7.7	7	70.43
1436	DP 1219B2RF	4.21	0.85	1.189	83.5	8.1	32.5	7.3	76.8	8	7	78.39
1427	DP 1044B2RF	4.62	0.85	1.152	84.6	6.8	30.5	8.7	72.6	7.6	8	65.75
1465	NG 1511B2RF	4.82	0.86	1.152	84.9	6.7	30.4	9	73.4	7.9	7	68.48
1412	DP 0912B2RF	5.17	0.87	1.147	84.4	6.7	30.7	8.1	71.6	7	7	71.1
1438	ALL-TEX NITRO 44B2RF	4.03	0.85	1.234	85.2	6.7	32	8.2	72	7.5	8	70.92
1495	Croplan 3787B2RF	4.77	0.86	1.192	84.9	6.9	30	8.8	73.1	8	6	70.03
1441	FM 2484B2F	4.03	0.85	1.241	85.1	6.6	32.5	6.9	74.2	6.6	8	75.1
1426	Phytogen 725RF	4.43	0.86	1.257	84.9	6.5	35.4	8	71.8	8.6	8	78.11
.	LSD	0.23	0.01	0.03	1.4	1	1.8	0.4	2.3	0.8	2	13.74

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1404	PHY 499WRF	0.88	1.05	18.5	5.7	1.22	182.8	3	0.98	140	16
1436	DP 1219B2RF	0.87	1.05	20.5	6.6	1.27	170.7	3.1	0.97	101	6
1427	DP 1044B2RF	0.87	1.03	17.5	5.6	1.21	185.9	2.8	0.96	129	15
1465	NG 1511B2RF	0.87	1.02	16.5	5.3	1.19	186	2.5	0.99	110	12

1412	DP 0912B2RF	0.88	1.03	16	5.1	1.2	198.2	1.9	1.02	107	13
1438	ALL-TEX NITRO 44B2RF	0.92	1.09	18	5.3	1.29	166	3.1	0.95	147	17
1495	Croplan 3787B2RF	0.92	1.07	16	5	1.26	185.3	2.8	0.97	116	8
1441	FM 2484B2F	0.92	1.1	17.5	5.1	1.31	169.2	2.8	1	135	12
1426	Phytogen 725RF	0.93	1.1	16.5	5.1	1.31	175.7	2.4	1.01	142	21
.	LSD	0.05	0.04	3.4	1.5	0.03	4.8	0.5	0.02	31	6

LOCATION=BEEVILLE, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Plus Gossypol	Plus Gossypol	FREE GOSSYPOL
1495	Croplan 3787B2RF	498	603	45.7	7.8	4.24	15.6	4.21	0.38	0.67	1.05
1436	DP 1219B2RF	467	582	42.5	7.3	3.59	20.11	3.74	0.39	0.66	1.04
1404	PHY 499WRF	455	457	45.3	7.8	3.92	19.04	4.12	0.32	0.58	0.9
1465	NG 1511B2RF	446	537	44.7	8.1	4.25	19.11	3.91	0.5	0.73	1.23
1412	DP 0912B2RF	444	707	38.6	7.7	4.1	19.22	3.66	0.33	0.51	0.83
1427	DP 1044B2RF	413	532	41.7	7.3	3.85	19.11	3.88	0.34	0.7	1.03
1438	ALL-TEX NITRO 44B2RF	404	592	40.3	9.2	4.28	22.5	3.84	0.42	0.71	1.13
1426	Phytogen 725RF	353	532	39.4	9.2	4.04	19.86	3.89	0.34	0.54	0.88
1441	FM 2484B2F	317	441	41.8	8	3.52	20.93	3.78	0.34	0.64	0.98
.	LSD	102	265	3.3	0.6	0.56	1.14	0.25	0.04	0.07	0.11

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1495	Croplan 3787B2RF	4.89	0.86	1.05	83.6	7.8	29.3	9	73.8	8.3	3	63.66
1436	DP 1219B2RF	4.51	0.86	1.025	81.8	10	30	7.1	73.1	7.1	6	80.98
1404	PHY 499WRF	4.72	0.85	1.02	83	7.7	30.8	9.3	71.8	7.8	7	76.18
1465	NG 1511B2RF	4.86	0.86	1.034	82.4	8	29.6	9.4	73	7.9	5	72.03
1412	DP 0912B2RF	4.6	0.86	1.033	82	10.3	28.9	7.7	72.2	7.4	7	77.68
1427	DP 1044B2RF	4.33	0.84	1.046	82.6	9.1	28.7	8.8	74.1	7.7	7	73.13
1438	ALL-TEX NITRO 44B2RF	3.97	0.84	1.095	84.1	6.7	32	8.5	73.3	7.1	7	72.72
1426	Phytogen 725RF	4.34	0.85	1.109	83.9	6.8	33.1	8.1	71.9	7.6	6	80.24
1441	FM 2484B2F	4.01	0.85	1.078	82.6	8.3	30.6	7	75.7	6.4	6	73.21
.	LSD	0.46	0.01	0.054	1.8	2.2	1.8	1	3.1	0.8	2	9.14

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1495	Croplan 3787B2RF	0.85	0.96	14.5	5.2	1.11	184	2.4	0.95	105	8
1436	DP 1219B2RF	0.77	0.91	21	8	1.07	172.7	3	0.97	119	13
1404	PHY 499WRF	0.79	0.91	17	6.2	1.04	183	2.6	0.96	99	12
1465	NG 1511B2RF	0.8	0.91	15.5	5.8	1.05	187.3	2.3	0.97	108	13
1412	DP 0912B2RF	0.78	0.91	20.5	7.4	1.07	182.7	2.8	0.97	91	10
1427	DP 1044B2RF	0.79	0.93	19.5	7.2	1.09	173	3.9	0.91	145	20
1438	ALL-TEX NITRO 44B2RF	0.84	0.98	16.5	5.6	1.13	162.3	3.6	0.93	161	28
1426	Phytogen 725RF	0.85	0.99	16.5	5.7	1.16	171.5	2.2	0.99	137	16
1441	FM 2484B2F	0.79	0.94	21	7.8	1.11	163	3.3	0.96	147	14
.	LSD	0.02	0.02	2.8	1.1	0.03	11.6	0.9	0.03	26	10

2014 National Cotton Variety Test

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EASTERN REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR EAST BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1404	PHY 499WRF	1732	2025	45.4	9.4	5.6	18.86	3.32	0.55	0.82	1.37
1468	ST 4946GLB2	1708	1965	44.5	10.9	6.06	18.05	3.08	0.59	0.84	1.43
1412	DP 0912B2RF	1694	2163	43.2	10.1	6.05	18.63	3.01	0.58	0.8	1.38
1478	PHY 333WRF	1630	2055	43.9	9.4	5.7	20.19	3.39	0.62	0.85	1.47
1466	NG 5315B2RF	1544	1781	44.5	9.4	5.71	16.41	3.38	0.6	0.82	1.41
1441	FM 2484B2F	1532	1984	43.3	9.7	5.1	20.73	3.26	0.57	0.79	1.35
1469	PHY 339WRF	1530	1900	43.2	9.5	5.42	19.69	3.15	0.63	0.86	1.49
1467	DG 2285B2RF	1528	1935	43.1	10.2	5.77	18.17	3.22	0.62	0.81	1.43
1449	DP 1252B2RF	1526	1739	45.3	9.3	6.08	15.39	3.39	0.57	0.75	1.32
1470	PHY 575WRF	1504	1935	41.9	9.8	5.42	20.25	3.07	0.58	0.62	1.2
1461	ST 6448GLB2	1489	1974	42.3	9.3	5.36	18.24	2.96	0.58	0.87	1.45
1429	DP 1137B2RF	1434	1617	45.3	9.6	5.87	16.17	3.46	0.56	0.76	1.32
1480	HQ 210CT	1421	1874	41.9	9.5	5.81	19.76	3.22	0.63	0.82	1.45
1397	DP 1050B2RF	1388	1721	44.2	9.3	5.81	15.6	3.41	0.57	0.77	1.34
1479	DG 2355B2RF	1373	1930	41.3	10.8	6.28	20.26	3.18	0.57	0.78	1.35
1450	UA 222	1369	1781	42.4	11	6.23	19.93	3.1	0.54	0.76	1.3
1465	NG 1511B2RF	1368	1612	44.5	9.9	5.76	18.1	3.26	0.66	0.84	1.5
1426	Phytogen 725RF	1156	1571	40.8	10.5	5.95	19.6	3.43	0.5	0.67	1.17
.	LSD	225	301	2.5	0.6	0.52	1.19	0.19	0.06	0.08	0.13

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	4.65	0.85	1.15	84.3	7.3	31.7	9.8	72.4	7	6	76
1468	ST 4946GLB2	4.44	0.84	1.167	84.4	7.2	30.8	9.4	73.7	7.2	6	72.52
1412	DP 0912B2RF	4.8	0.86	1.119	83.9	7.6	29.1	9	73.6	6.8	6	68.88
1478	PHY 333WRF	4.15	0.85	1.19	84.2	7.7	29.8	8.3	74	7.3	6	73.16
1466	NG 5315B2RF	4.52	0.84	1.157	83.9	7.7	29.3	9.7	75	7.5	5	66.33
1441	FM 2484B2F	3.79	0.84	1.219	83.5	7.5	31.8	7.7	76.3	6.2	6	75.32
1469	PHY 339WRF	4.15	0.84	1.21	84.6	7.3	30.4	8.8	75.4	6.3	6	70.18
1467	DG 2285B2RF	4.35	0.84	1.163	84.3	7.6	28.9	9.5	73.4	7.1	6	69.8
1449	DP 1252B2RF	4.67	0.84	1.164	84.4	7.3	28.8	10	75.7	7.1	5	70.94
1470	PHY 575WRF	3.94	0.83	1.218	83.5	7.9	30.2	9.1	74.6	6.7	6	69.9

	1461	ST 6448GLB2	4.23	0.85	1.208	83.3	8	30.1	7.5	75	6.8	6	70.61
	1429	DP 1137B2RF	4.44	0.84	1.173	84.5	7.3	29.5	9.4	74.4	7.2	6	66.04
	1480	HQ 210CT	4.55	0.85	1.134	83	8.5	30.5	8.9	74.9	6.6	6	73.82
	1397	DP 1050B2RF	4.37	0.84	1.178	84.3	7.6	29.1	9.4	74.9	7.3	6	66.44
	1479	DG 2355B2RF	4.29	0.84	1.169	84.1	7.4	30.6	9.2	73.9	6.8	6	73.05
	1450	UA 222	4.33	0.84	1.211	84.8	7.2	30.6	10.1	74.3	6.7	6	68.44
	1465	NG 1511B2RF	4.63	0.84	1.155	84.3	7.4	29.9	9.9	73.3	7.2	5	72.78
	1426	Phytogen 725RF	4.24	0.84	1.199	83.7	7.4	32.8	9.3	71.4	7.3	6	68.83
.		LSD	0.25	0.01	0.02	0.8	0.5	1	0.4	1.5	0.3	1	7.33

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	0.84	1.01	21.2	7	1.2	178.7	3.8	0.93	128	11
	1468	ST 4946GLB2	0.82	1	23.5	8	1.2	172.3	4.7	0.91	147	11
	1412	DP 0912B2RF	0.82	0.98	21.6	7.3	1.16	183.9	3.9	0.94	146	9
	1478	PHY 333WRF	0.86	1.04	22.1	7.2	1.25	166.8	4.8	0.91	160	9
	1466	NG 5315B2RF	0.82	1	22.6	7.8	1.2	175.3	4.8	0.89	178	8
	1441	FM 2484B2F	0.86	1.06	22.7	7.4	1.29	155	4.8	0.92	177	8
	1469	PHY 339WRF	0.87	1.05	20.6	6.9	1.26	161.9	5.1	0.9	179	10
	1467	DG 2285B2RF	0.82	1	23.6	8.2	1.2	170	4.9	0.9	173	5
	1449	DP 1252B2RF	0.86	1.02	19.6	6.6	1.21	176.3	4.4	0.9	148	6
	1470	PHY 575WRF	0.82	1.03	25.8	9.1	1.27	157.1	6.1	0.87	203	11
	1461	ST 6448GLB2	0.85	1.04	23.8	7.9	1.27	171	4.6	0.92	152	8
	1429	DP 1137B2RF	0.86	1.03	20.1	6.8	1.22	174.3	4.3	0.91	147	7
	1480	HQ 210CT	0.84	1	20.3	7	1.19	176.3	3.8	0.94	138	8
	1397	DP 1050B2RF	0.85	1.02	21.1	7.2	1.22	173.2	4.9	0.9	149	7
	1479	DG 2355B2RF	0.84	1.02	22.3	7.3	1.22	168.5	4.4	0.91	149	9
	1450	UA 222	0.82	1.03	25.4	8.5	1.25	168.5	5	0.91	168	9
	1465	NG 1511B2RF	0.83	1	21.2	7.2	1.2	175.1	4.4	0.91	159	8
	1426	Phytogen 725RF	0.85	1.03	21.7	7.3	1.25	164.5	4.3	0.93	198	13
.		LSD	0.03	0.02	2.4	1.1	0.03	6.4	0.7	0.02	35	4

EASTERN REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Plus Gossypol	Plus Gossypol	FREE GOSSYPOL
SUFFOLK, VA	2016	2581	43.9	.	.	18.8	2.91	0.68	0.88	1.57

GRIFFIN, GA	1738	.	.	.	.	19.65	3.17	0.56	0.76	1.31
ROCKY MOUNT, NC	1343	1609	45.3	10	6.33	20.01	2.64	0.7	0.94	1.64
STARKVILLE, MS	1254	1783	41.2	9.7	5.22	17.5	3.84	0.51	0.73	1.24
FLORENCE, SC	1127	1486	43.1	9.9	.	16.82	3.63	0.47	0.64	1.11

LOCATION	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
SUFFOLK, VA	4.26	0.84	1.174	83.6	8	29.1	9.6	71.2	6.7	8	63.92
GRIFFIN, GA	4.22	0.84	1.175	83.6	7.8	30.1	8.8	70.1	6.7	7	70.89
ROCKY MOUNT, NC	4.8	0.85	1.176	85	6.8	31	9.5	79.7	7.6	3	75.44
STARKVILLE, MS	4.52	0.85	1.183	84.3	7.1	31.2	9	78.9	6.7	3	74.39
FLORENCE, SC	4.02	0.84	1.177	83.8	8	29.6	8.8	71.3	6.9	8	68.97

LOCATION	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
SUFFOLK, VA	0.79	0.99	26.7	9.3	1.22	167.4	5.3	0.89	236	14
GRIFFIN, GA	0.84	1.02	22.3	7.4	1.23	167.9	4.5	0.91	182	12
ROCKY MOUNT, NC	0.88	1.04	18.2	5.9	1.22	176.8	4.1	0.92	128	4
STARKVILLE, MS	0.88	1.04	18.6	6.1	1.23	176.9	3.5	0.95	102	3
FLORENCE, SC	0.81	1	25.1	8.8	1.22	163.4	5.7	0.89	157	10

EASTERN REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=FLORENCE, SC

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1404	PHY 499WRF	1300	1570	45.4	9.3	.	17.29	3.92	0.43	0.66	1.09
1412	DP 0912B2RF	1266	1742	42.1	9.9	.	17.64	3.61	0.49	0.65	1.14
1478	PHY 333WRF	1266	1636	43.6	9.6	.	19.26	3.78	0.47	0.64	1.11
1467	DG 2285B2RF	1236	1674	42.5	10.6	.	16.7	3.62	0.5	0.67	1.16
1449	DP 1252B2RF	1214	1365	47	8.7	.	13.66	3.66	0.47	0.65	1.12
1466	NG 5315B2RF	1190	1427	45.5	9.3	.	14.65	3.59	0.43	0.62	1.05

1465	NG 1511B2RF	1157	1393	45.4	10.2	.	16.21	3.67	0.57	0.75	1.31	
1397	DP 1050B2RF	1141	1386	45.2	8.6	.	12.05	3.75	0.47	0.65	1.12	
1429	DP 1137B2RF	1140	1366	45.6	9.4	.	14.45	3.74	0.43	0.61	1.04	
1441	FM 2484B2F	1119	1457	43.5	10	.	19.4	3.43	0.53	0.73	1.25	
1461	ST 6448GLB2	1105	1492	42.6	9.3	.	15.53	3.38	0.44	0.7	1.14	
1468	ST 4946GLB2	1093	1612	40.5	11.5	.	15.67	3.61	0.44	0.62	1.06	
1470	PHY 575WRF	1092	1539	41.5	9.8	.	18.61	3.57	0.46	0.49	0.94	
1479	DG 2355B2RF	1075	1569	40.6	11.1	.	18.51	3.47	0.51	0.67	1.18	
1469	PHY 339WRF	1064	1454	42.3	9.9	.	17.91	3.72	0.47	0.57	1.04	
1480	HQ 210CT	1028	1494	40.7	9.8	.	17.25	3.78	0.51	0.68	1.18	
1450	UA 222	962	1359	41.3	11.1	.	19.1	3.37	0.51	0.69	1.2	
1426	Phytogen 725RF	846	1208	41.2	10.7	.	18.94	3.8	0.42	0.54	0.96	
.	LSD	149	201	1.5	0.7	.	1.48	0.34	0.1	0.17	0.27	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.03	0.84	1.157	84.2	7.8	30.7	9.4	67.9	6.5	8	72.08
1412	DP 0912B2RF	4.21	0.85	1.11	83.8	7.9	28.8	8.5	71.4	6.9	8	70.85
1478	PHY 333WRF	3.91	0.85	1.207	84.6	7.5	29.8	7.9	70.4	7.2	8	73.51
1467	DG 2285B2RF	4.03	0.83	1.176	85.3	7.2	28.8	9.3	69.3	7.5	8	66.05
1449	DP 1252B2RF	4.49	0.85	1.171	84	7.6	28.6	9.5	72.4	7.3	8	70.55
1466	NG 5315B2RF	4	0.83	1.148	83.2	8.4	28.9	9.7	71.4	7.4	8	68.34
1465	NG 1511B2RF	4.19	0.84	1.154	84.5	7.7	29.6	9.5	70	7	8	78.62
1397	DP 1050B2RF	3.89	0.83	1.151	83.9	8.2	28.4	9.4	70.9	7.3	8	68.64
1429	DP 1137B2RF	4.07	0.84	1.156	84.1	7.9	28.4	9.3	72.1	7.2	8	59.47
1441	FM 2484B2F	3.48	0.84	1.202	82.1	8.8	30.4	7.4	74.1	6.3	8	66.06
1461	ST 6448GLB2	3.76	0.84	1.221	82.6	8.3	29.2	7.3	74.8	7.1	7	67.27
1468	ST 4946GLB2	4.4	0.85	1.171	84.1	7.8	30.7	9.3	70.9	7.5	8	65.61
1470	PHY 575WRF	3.45	0.82	1.215	82.2	8.8	28.9	8.9	71.2	6.8	8	67.3
1479	DG 2355B2RF	4.07	0.84	1.168	83.9	7.7	29.2	9.1	72	6.6	7	66.58
1469	PHY 339WRF	3.88	0.84	1.231	84.4	7.6	31.1	8.5	72.2	6.2	8	68.19
1480	HQ 210CT	4.4	0.85	1.142	83.1	8.4	29.7	8.5	71.4	6.8	8	70.63
1450	UA 222	4.17	0.84	1.198	83.8	8.4	29.6	9	72.6	6.8	8	71.81
1426	Phytogen 725RF	3.97	0.84	1.206	84.2	7.8	32.6	9	68.2	6.6	8	70.01
.	LSD	0.4	0.01	0.035	1.4	1.1	2	0.8	3.3	0.7	1	10.09

vcode	VARIETY	Length	Length	Short Fiber Content	Short Fiber Content	UQL	Fine	Immature Fiber	Maturity	Nep	Seed Coat Number	

		number	weight	number	weight	weight	ness	Content	Ratio	count	count
1404	PHY 499WRF	0.8	0.98	25.5	9.1	1.19	168.3	5.5	0.89	143	17
1412	DP 0912B2RF	0.78	0.96	25	8.8	1.15	177	4.8	0.91	151	16
1478	PHY 333WRF	0.85	1.04	22.5	7.6	1.26	163.7	5.6	0.89	124	6
1467	DG 2285B2RF	0.82	1.01	24.5	8.4	1.23	168	5.5	0.9	149	4
1449	DP 1252B2RF	0.82	0.99	23	8.1	1.19	168	5.5	0.88	129	8
1466	NG 5315B2RF	0.82	0.99	23.5	8.3	1.2	167.2	6	0.86	138	6
1465	NG 1511B2RF	0.82	1	22.5	7.6	1.2	162.7	6	0.87	127	7
1397	DP 1050B2RF	0.79	0.97	25.5	9.4	1.18	167.2	5.8	0.9	157	13
1429	DP 1137B2RF	0.79	0.97	25	9.3	1.18	168.4	5.5	0.91	144	8
1441	FM 2484B2F	0.82	1.04	26	8.7	1.28	150.4	5.8	0.89	201	10
1461	ST 6448GLB2	0.81	1.02	28	9.8	1.27	156.9	6.2	0.88	176	11
1468	ST 4946GLB2	0.79	0.99	27.5	9.8	1.21	167.2	6	0.89	141	10
1470	PHY 575WRF	0.76	0.98	32	12.2	1.23	149	8	0.84	263	14
1479	DG 2355B2RF	0.84	1.02	23.5	7.6	1.23	164.9	4.9	0.91	127	12
1469	PHY 339WRF	0.85	1.04	22.5	7.6	1.25	154.7	6	0.87	184	13
1480	HQ 210CT	0.83	1	22	7.4	1.2	176.4	4.4	0.94	111	13
1450	UA 222	0.8	1.02	27	9.2	1.25	161.4	5.5	0.9	157	11
1426	Phytogen 725RF	0.82	1.04	26	9.1	1.26	150.4	6.2	0.88	205	13
.	LSD	0.05	0.04	4	1.9	0.04	9.5	1.1	0.03	54	7

LOCATION=ROCKY MOUNT, NC

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1468	ST 4946GLB2	2037	1758	54.2	11	6.53	20.03	2.48	0.74	1.05	1.78
1478	PHY 333WRF	1735	1983	46.7	9.7	6.33	20.93	2.83	0.78	1.07	1.85
1467	DG 2285B2RF	1726	2118	44.9	10.2	6.63	19.99	2.41	0.79	1.01	1.8
1466	NG 5315B2RF	1642	1867	46.8	9.9	6.43	20.82	2.66	0.85	1.13	1.98
1469	PHY 339WRF	1627	1919	45.9	9	5.7	21.43	2.39	0.78	1.08	1.85
1412	DP 0912B2RF	1562	1988	44	10.1	6.55	20.16	2.38	0.71	1	1.71
1404	PHY 499WRF	1560	1789	46.6	9.7	6.2	19.63	2.52	0.64	0.97	1.61
1461	ST 6448GLB2	1474	1964	42.9	9.3	5.83	20.09	2.34	0.7	1.04	1.74
1441	FM 2484B2F	1444	1753	45.2	9.9	5.85	22.39	2.55	0.65	0.92	1.56
1479	DG 2355B2RF	1332	1861	41.8	10.9	6.63	21.58	2.48	0.63	0.89	1.52
1429	DP 1137B2RF	1187	1200	50.2	9.7	6.43	17.38	2.99	0.67	0.9	1.56
1470	PHY 575WRF	1113	1457	43.3	9.8	5.9	21.53	2.67	0.65	0.77	1.42

	1450	UA 222	1108	1451	43.3	11.6	6.93	21.04	2.71	0.61	0.88	1.49
	1465	NG 1511B2RF	1043	1290	44.8	9.9	6.4	17.27	2.76	0.69	0.81	1.5
	1480	HQ 210CT	1043	1345	43.7	9.8	6.58	21.1	2.69	0.79	0.98	1.76
	1449	DP 1252B2RF	1028	1199	46.1	9.6	6.28	16.41	3.05	0.64	0.83	1.47
	1397	DP 1050B2RF	876	1068	45.1	9.8	6.35	17.36	2.78	0.66	0.89	1.55
	1426	Phytogen 725RF	646	949	40.5	10.4	6.4	21.01	2.8	0.59	0.77	1.35
.		LSD	281	350	7.5	0.5	0.85	1.32	0.24	0.05	0.12	0.14

vcode		VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
	1468	ST 4946GLB2	4.92	0.85	1.152	85.4	6.3	30.8	9.7	79.8	7.6	2	74.9
	1478	PHY 333WRF	4.63	0.86	1.197	84.9	6.8	30.6	8.7	78.9	8	4	80.09
	1467	DG 2285B2RF	4.76	0.85	1.17	84.7	7.2	29	10.1	80.1	7.4	2	72.84
	1466	NG 5315B2RF	5.19	0.86	1.151	85.3	6.6	31.5	10.3	79.1	8.3	2	72.78
	1469	PHY 339WRF	4.65	0.85	1.169	84.7	7	29.7	9.2	80.7	6.9	3	74.07
	1412	DP 0912B2RF	5.31	0.86	1.101	84.5	7.2	29.4	10	79.8	7.3	3	71.23
	1404	PHY 499WRF	5.13	0.86	1.154	85.5	6.3	33	10.3	78.9	7.4	2	90.66
	1461	ST 6448GLB2	4.84	0.87	1.196	84	7.1	31.8	7.9	81.3	7.7	3	74.24
	1441	FM 2484B2F	4.45	0.86	1.226	85.6	6.2	32.6	8.1	82	6.9	3	88.56
	1479	DG 2355B2RF	4.68	0.85	1.168	85.2	6.5	31.9	9.4	80	7.6	4	78.33
	1429	DP 1137B2RF	4.86	0.85	1.164	85.1	6.9	29.6	9.8	79	7.9	4	67.08
	1470	PHY 575WRF	4.21	0.84	1.219	84.4	7.8	32.1	9.3	80.7	7.7	3	76.02
	1450	UA 222	4.64	0.85	1.239	86.5	5.9	31.6	10.2	79.6	8	3	72.91
	1465	NG 1511B2RF	4.81	0.85	1.179	85.7	6.3	29.4	10.3	79.4	7.7	2	67.96
	1480	HQ 210CT	5.16	0.87	1.126	84.1	8.4	32.1	9.2	80.5	7.5	3	73.74
	1449	DP 1252B2RF	5.06	0.85	1.156	84.8	6.9	29.5	10.7	79.6	7.4	2	70.58
	1397	DP 1050B2RF	4.67	0.85	1.188	84.9	6.9	30.3	9.9	80	8.1	2	68.69
	1426	Phytogen 725RF	4.44	0.85	1.211	84.8	6.9	34.4	8.8	76.3	8.3	2	83.33
.		LSD	0.28	0.01	0.039	2.1	1.5	1.9	0.7	1.5	0.8	2	9.06

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
	1468	ST 4946GLB2	0.86	1.01	18	6	1.18	183.3	3.8	0.93	93	5
	1478	PHY 333WRF	0.91	1.07	17.5	5.5	1.26	171.7	4.3	0.92	113	4
	1467	DG 2285B2RF	0.84	1.01	21	7.3	1.2	174.4	4.9	0.89	155	5
	1466	NG 5315B2RF	0.82	0.99	22	7.5	1.17	183.5	4.3	0.92	179	5
	1469	PHY 339WRF	0.89	1.03	16.5	5.4	1.21	166.5	4.5	0.91	112	4

1412	DP 0912B2RF	0.85	0.99	18	6	1.16	191.2	3.3	0.95	135	3
1404	PHY 499WRF	0.89	1.04	16	5.1	1.2	184.9	3	0.95	97	6
1461	ST 6448GLB2	0.9	1.07	19.5	6	1.27	180.2	3.9	0.94	112	7
1441	FM 2484B2F	0.9	1.08	18	5.6	1.28	164.7	3.7	0.95	125	2
1479	DG 2355B2RF	0.89	1.05	17.5	5.6	1.24	173	4	0.92	78	2
1429	DP 1137B2RF	0.89	1.04	16.5	5.2	1.22	181	3.8	0.91	102	2
1470	PHY 575WRF	0.86	1.06	23	7.8	1.28	158.2	6.3	0.87	157	4
1450	UA 222	0.89	1.07	20	6.1	1.27	180.7	4.1	0.92	134	5
1465	NG 1511B2RF	0.91	1.06	16	5.1	1.24	176.8	4.6	0.88	128	5
1480	HQ 210CT	0.87	1.01	16.5	5.6	1.18	184.7	3.3	0.95	103	3
1449	DP 1252B2RF	0.88	1.03	16.5	5.4	1.2	182.5	4.1	0.9	125	2
1397	DP 1050B2RF	0.9	1.06	17	5.3	1.24	179.7	4.3	0.9	131	3
1426	Phytogen 725RF	0.89	1.07	18	5.9	1.27	166	3.8	0.94	224	12
.	LSD	0.06	0.04	5.5	2.1	0.04	6.3	1.1	0.02	86	5

LOCATION=STARKVILLE, MS

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1449	DP 1252B2RF	1478	1844	42.7	9.6	5.89	15.1	3.86	0.52	0.72	1.24
1404	PHY 499WRF	1429	2056	43.7	9.3	5	17.99	3.88	0.45	0.7	1.15
1470	PHY 575WRF	1425	1943	40.6	9.8	4.93	18.35	3.63	0.49	0.54	1.03
1397	DP 1050B2RF	1391	1926	42.3	9.6	5.26	15.37	4.17	0.52	0.76	1.28
1412	DP 0912B2RF	1371	2054	42.1	10.2	5.56	18.12	3.43	0.54	0.77	1.31
1441	FM 2484B2F	1363	2148	40.9	9.2	4.34	18.77	3.84	0.48	0.7	1.17
1466	NG 5315B2RF	1276	1634	41.2	9	5	14.7	4.2	0.46	0.68	1.14
1450	UA 222	1251	1624	42.2	10.3	5.54	19.05	3.83	0.48	0.7	1.18
1480	HQ 210CT	1231	1747	41.5	8.9	5.05	19	3.75	0.55	0.76	1.31
1469	PHY 339WRF	1204	1626	40.6	9.6	5.13	17.89	3.72	0.55	0.79	1.34
1465	NG 1511B2RF	1203	1544	43.7	9.6	5.12	18.6	3.78	0.59	0.83	1.42
1461	ST 6448GLB2	1186	1945	39.9	9.5	4.89	17.26	3.55	0.51	0.78	1.29
1478	PHY 333WRF	1172	1712	41.1	8.8	5.08	18.52	3.81	0.54	0.77	1.3
1426	Phytogen 725RF	1157	1676	39.3	10.4	5.51	18.86	4.11	0.44	0.63	1.07
1467	DG 2285B2RF	1145	1636	40.3	9.9	4.91	17.23	3.99	0.57	0.76	1.32
1468	ST 4946GLB2	1131	1549	39.9	10.3	5.59	16.76	3.83	0.51	0.76	1.27
1429	DP 1137B2RF	1084	1549	41.4	9.6	5.31	14	3.93	0.5	0.72	1.22
1479	DG 2355B2RF	1084	1879	38.9	10.4	5.93	19.53	3.79	0.54	0.76	1.3

.	LSD	304	722	2	1	0.74	1.43	0.24	0.05	0.06	0.1	
vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1449	DP 1252B2RF	4.75	0.85	1.189	84.9	6.8	29.9	9.3	80.2	6.9	2	79.14
1404	PHY 499WRF	4.72	0.85	1.163	84.4	6.9	33.7	9.8	77.4	7.2	5	78.63
1470	PHY 575WRF	4.34	0.85	1.228	84.1	7	31.6	9.1	80.6	6.4	2	75.45
1397	DP 1050B2RF	4.52	0.85	1.208	85.3	6.9	30.2	8.7	79.7	7.2	3	63.88
1412	DP 0912B2RF	5.33	0.87	1.129	84.1	6.4	30.2	8.8	76.1	6.8	6	65.95
1441	FM 2484B2F	3.66	0.84	1.209	83.8	7	32.6	7.5	82.6	6.1	3	82.12
1466	NG 5315B2RF	4.52	0.85	1.151	83	8	28.8	9.1	79.7	7.2	2	69.63
1450	UA 222	4.73	0.85	1.204	85.7	6.8	32.7	10.2	78.4	6	4	70.95
1480	HQ 210CT	4.69	0.86	1.15	82.5	8.5	32	8.6	78.7	6.2	4	88.01
1469	PHY 339WRF	4.33	0.85	1.247	85.9	6.4	32.1	8.9	81.4	6.3	4	74.95
1465	NG 1511B2RF	4.88	0.85	1.136	83.7	7.6	30.8	10	78.6	7.1	3	79.72
1461	ST 6448GLB2	4.48	0.86	1.225	84.5	7.1	29.6	7.2	79.4	6.6	4	75
1478	PHY 333WRF	3.9	0.84	1.208	84.8	7.5	29.8	7.9	79.2	7.4	2	72.59
1426	Phytogen 725RF	4.69	0.85	1.169	83.3	7.1	34.8	10.1	76	7.1	5	47.55
1467	DG 2285B2RF	4.77	0.86	1.135	83.8	7.3	29.7	9.3	76.7	6.9	3	71.55
1468	ST 4946GLB2	4.14	0.84	1.176	84.7	6.8	31.6	9.1	79.3	7.4	3	84.36
1429	DP 1137B2RF	4.43	0.85	1.191	84.4	7.2	30	8.9	77.4	6.7	3	75.45
1479	DG 2355B2RF	4.46	0.85	1.173	84.7	6.6	31.9	9.5	79.2	6.6	4	84.15
.	LSD	0.65	0.02	0.051	1.9	1.1	2.1	0.9	3.7	0.7	2	31.43

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
1449	DP 1252B2RF	0.92	1.07	16	5.1	1.26	184.5	3.4	0.94	98	4
1404	PHY 499WRF	0.89	1.04	18	5.5	1.22	184.2	3	0.97	81	3
1470	PHY 575WRF	0.9	1.07	19	6.2	1.28	175	3.5	0.95	89	3
1397	DP 1050B2RF	0.9	1.05	17.5	5.7	1.24	176.7	4.2	0.93	81	2
1412	DP 0912B2RF	0.85	1	19	6.4	1.18	191.2	3.1	0.96	83	4
1441	FM 2484B2F	0.9	1.08	18.5	5.9	1.3	154	4.2	0.93	119	2
1466	NG 5315B2RF	0.84	1.01	21.5	7.5	1.22	176.7	4.4	0.92	149	5
1450	UA 222	0.88	1.05	19	5.9	1.25	181.2	3.1	0.96	93	2
1480	HQ 210CT	0.87	1.02	18	6	1.2	179.5	3	0.96	93	3
1469	PHY 339WRF	0.95	1.1	15	4.6	1.3	173.2	3.7	0.95	75	5
1465	NG 1511B2RF	0.85	1	17.5	5.9	1.17	186.9	2.9	0.96	95	3

1461	ST 6448GLB2	0.88	1.06	20	6.5	1.28	178.9	3.3	0.97	102	3
1478	PHY 333WRF	0.86	1.06	22	7.1	1.27	166.8	4.4	0.93	137	5
1426	Phytogen 725RF	0.88	1.03	16.5	5.7	1.23	177.5	2.5	0.99	103	8
1467	DG 2285B2RF	0.83	0.99	19.5	6.7	1.17	180.2	3.6	0.95	105	2
1468	ST 4946GLB2	0.83	1	22	7.5	1.2	168.2	4.2	0.93	123	3
1429	DP 1137B2RF	0.91	1.07	17	5.4	1.26	177.2	3.6	0.94	91	1
1479	DG 2355B2RF	0.88	1.05	18.5	6	1.23	173	3.5	0.93	114	3
.	LSD	0.07	0.08	4	1.8	0.08	12.5	0.8	0.03	27	3

LOCATION=GRIFFIN, GA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1404	PHY 499WRF	2081	.	.	.	.	19.42	3.38	0.52	0.79	1.31
1468	ST 4946GLB2	2030	.	.	.	.	20.11	2.99	0.6	0.87	1.46
1412	DP 0912B2RF	1980	.	.	.	.	18.26	2.85	0.54	0.75	1.29
1429	DP 1137B2RF	1929	.	.	.	.	16.95	3.48	0.56	0.77	1.33
1470	PHY 575WRF	1860	.	.	.	.	22.83	2.78	0.57	0.55	1.12
1466	NG 5315B2RF	1846	.	.	.	.	16.55	3.48	0.57	0.76	1.32
1449	DP 1252B2RF	1783	.	.	.	.	16.76	3.27	0.57	0.73	1.3
1441	FM 2484B2F	1728	.	.	.	.	22.81	3.1	0.55	0.79	1.34
1461	ST 6448GLB2	1726	.	.	.	.	20.74	2.8	0.56	0.85	1.41
1469	PHY 339WRF	1717	.	.	.	.	20.01	3.17	0.56	0.79	1.35
1480	HQ 210CT	1711	.	.	.	.	20.51	3.03	0.68	0.85	1.53
1465	NG 1511B2RF	1678	.	.	.	.	19.54	3.38	0.64	0.82	1.46
1467	DG 2285B2RF	1675	.	.	.	.	18.18	3.15	0.61	0.76	1.37
1478	PHY 333WRF	1663	.	.	.	.	22.3	3.38	0.57	0.78	1.35
1397	DP 1050B2RF	1532	.	.	.	.	16.67	3.38	0.57	0.75	1.31
1479	DG 2355B2RF	1508	.	.	.	.	20.73	3.25	0.5	0.69	1.19
1450	UA 222	1497	.	.	.	.	21.31	2.91	0.51	0.73	1.24
1426	Phytogen 725RF	1344	.	.	.	.	20.12	3.36	0.43	0.59	1.02
.	LSD	266	.	.	.	.	1.38	0.47	0.08	0.09	0.17

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1404	PHY 499WRF	4.62	0.85	1.145	84	7.3	31.1	9.3	68.6	7	8	72.1
1468	ST 4946GLB2	4.43	0.84	1.163	83.9	7.2	30.5	9.4	67.4	6.7	8	64.98

1412	DP 0912B2RF	4.56	0.85	1.113	83.1	8.4	28.1	8.7	68.2	6.6	7	73.31
1429	DP 1137B2RF	4.48	0.85	1.167	84.4	7.6	29.4	9.1	72.3	7.1	7	67.06
1470	PHY 575WRF	3.98	0.84	1.204	83.8	8.1	30.1	9.2	69	6.3	8	64.49
1466	NG 5315B2RF	4.49	0.85	1.179	84.2	7.7	29.9	9.1	72.4	7.5	5	62.31
1449	DP 1252B2RF	4.5	0.84	1.159	84.7	7.5	29.2	9.8	72.4	7.2	6	76.36
1441	FM 2484B2F	3.77	0.84	1.241	82.6	7.7	32.3	7.5	70.5	5.8	8	71.71
1461	ST 6448GLB2	4.13	0.85	1.212	83.1	8.1	30.7	7.3	68.5	6.3	8	70.81
1469	PHY 339WRF	4.04	0.84	1.204	84.3	7.4	30.8	8.6	71.8	6.2	8	73.1
1480	HQ 210CT	4.24	0.85	1.121	82.7	8.8	29.4	8.5	71.4	6	8	75.03
1465	NG 1511B2RF	4.42	0.84	1.154	83.9	7.4	30.2	9.4	69.3	7.1	6	70.8
1467	DG 2285B2RF	3.73	0.83	1.163	84.1	8	28.6	9	70.4	6.9	7	72.52
1478	PHY 333WRF	4.07	0.85	1.168	83.4	8.3	30.2	8	71.1	7.3	7	74.28
1397	DP 1050B2RF	4.33	0.84	1.174	83.8	8.1	28.6	9	71.6	7.1	7	66.46
1479	DG 2355B2RF	4.16	0.84	1.17	83.6	8.1	30.8	8.7	67.9	6.7	8	74.58
1450	UA 222	4.16	0.83	1.2	83.6	7.4	29.8	9.7	70.6	6.4	7	69.32
1426	Phytogen 725RF	3.83	0.84	1.213	82.7	7.5	32.8	9.1	68	7.7	8	76.92
.	LSD	0.38	0.01	0.032	1.4	1	1.4	0.7	4.1	0.7	2	14.98

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1404	PHY 499WRF	0.85	1.02	20	6.4	1.2	179.7	3.1	0.96	109	12
1468	ST 4946GLB2	0.83	1	22	7.5	1.19	174.2	4.4	0.92	197	23
1412	DP 0912B2RF	0.8	0.97	23	7.7	1.16	177.5	4.1	0.93	155	15
1429	DP 1137B2RF	0.86	1.03	19.5	6.5	1.21	175.4	4.1	0.91	172	9
1470	PHY 575WRF	0.83	1.04	26	8.8	1.28	159	5.6	0.88	205	16
1466	NG 5315B2RF	0.86	1.03	20	6.4	1.23	176.7	4.3	0.91	198	10
1449	DP 1252B2RF	0.87	1.03	19	6.3	1.22	171.3	4.4	0.9	159	10
1441	FM 2484B2F	0.85	1.07	24	7.6	1.31	155.4	4.7	0.93	208	10
1461	ST 6448GLB2	0.87	1.06	22.5	7	1.29	174.4	4	0.95	150	7
1469	PHY 339WRF	0.87	1.05	21.5	7.2	1.27	160.7	5.2	0.9	207	14
1480	HQ 210CT	0.84	1.01	19.5	6.6	1.2	169	3.8	0.94	160	13
1465	NG 1511B2RF	0.83	1	21.5	7.4	1.19	170.4	4.2	0.91	186	8
1467	DG 2285B2RF	0.8	0.99	26	9.1	1.22	156.9	5.8	0.88	223	10
1478	PHY 333WRF	0.85	1.04	22.5	7.3	1.25	166.8	4.6	0.92	182	11
1397	DP 1050B2RF	0.84	1.02	22.5	7.8	1.23	168.2	5.5	0.88	187	9
1479	DG 2355B2RF	0.83	1.02	23	7.6	1.23	163.5	4.4	0.92	164	13
1450	UA 222	0.83	1.04	25	8.2	1.26	165.5	4.8	0.92	192	12

	1426	Phytogen 725RF	0.83	1.03	24	8.2	1.26	157.9	4.7	0.92	235	15
.		LSD	0.04	0.04	3.6	1.5	0.05	11.6	0.9	0.03	72	8

LOCATION=SUFFOLK, VA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1478	PHY 333WRF	2313	2891	44.4	.	.	19.96	3.15	0.76	1	1.76
1404	PHY 499WRF	2293	2686	46.1	.	.	19.99	2.9	0.7	0.99	1.69
1412	DP 0912B2RF	2290	2869	44.4	.	.	18.98	2.8	0.63	0.84	1.46
1468	ST 4946GLB2	2250	2941	43.4	.	.	17.67	2.51	0.69	0.92	1.61
1449	DP 1252B2RF	2125	2548	45.5	.	.	15.01	3.12	0.64	0.82	1.46
1480	HQ 210CT	2091	2909	41.9	.	.	20.96	2.87	0.65	0.84	1.49
1469	PHY 339WRF	2038	2601	44	.	.	21.23	2.76	0.81	1.1	1.9
1450	UA 222	2029	2689	43	.	.	19.17	2.69	0.6	0.81	1.41
1470	PHY 575WRF	2028	2799	42	.	.	19.94	2.74	0.76	0.74	1.5
1441	FM 2484B2F	2007	2579	43.8	.	.	20.28	3.41	0.63	0.81	1.44
1397	DP 1050B2RF	2000	2504	44.4	.	.	16.53	2.99	0.64	0.83	1.47
1461	ST 6448GLB2	1954	2496	43.8	.	.	17.59	2.73	0.68	0.99	1.67
1479	DG 2355B2RF	1867	2412	43.9	.	.	20.94	2.9	0.68	0.89	1.57
1467	DG 2285B2RF	1858	2310	44.6	.	.	18.77	2.93	0.66	0.86	1.51
1429	DP 1137B2RF	1833	2356	43.9	.	.	18.1	3.15	0.65	0.81	1.46
1426	Phytogen 725RF	1789	2452	42.1	.	.	19.06	3.1	0.63	0.82	1.45
1466	NG 5315B2RF	1765	2198	44.6	.	.	15.34	3	0.68	0.9	1.58
1465	NG 1511B2RF	1762	2223	44.2	.	.	18.9	2.73	0.81	1	1.81
.	LSD	253	363	2.1	.	.	1.78	0.28	0.1	0.12	0.22

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1478	PHY 333WRF	4.25	0.84	1.173	83.2	8.4	28.7	9	70.4	7	8	65.37
1404	PHY 499WRF	4.74	0.85	1.133	83.7	8.2	29.9	10.1	69.1	6.9	8	66.54
1412	DP 0912B2RF	4.59	0.85	1.143	84	7.9	29.1	9	72.4	6.7	8	63.05
1468	ST 4946GLB2	4.33	0.84	1.173	84	7.8	30.6	9.7	71.1	6.8	8	72.78
1449	DP 1252B2RF	4.56	0.84	1.145	83.9	7.7	27.1	10.8	73.9	6.9	8	58.08
1480	HQ 210CT	4.27	0.84	1.131	82.9	8.4	29.6	9.7	72.8	6.3	8	61.69
1469	PHY 339WRF	3.87	0.83	1.201	83.7	8.2	28.3	9	71.2	6.2	8	60.61
1450	UA 222	3.96	0.82	1.212	84.3	7.5	29.6	11.3	70.5	6.3	8	57.24

	1470	PHY 575WRF	3.71	0.83	1.224	83	7.9	28.5	9.4	71.6	6.2	8	66.24
	1441	FM 2484B2F	3.63	0.83	1.217	83.6	7.9	31.1	8.2	72.4	6	8	68.15
	1397	DP 1050B2RF	4.46	0.84	1.171	83.8	7.9	28.1	10.1	72.2	6.8	8	64.54
	1461	ST 6448GLB2	3.97	0.85	1.186	82.1	9.2	29.5	7.8	71.2	6.4	8	65.76
	1479	DG 2355B2RF	4.11	0.84	1.168	83.1	8.2	29.3	9.3	70.5	6.7	8	61.61
	1467	DG 2285B2RF	4.45	0.84	1.174	83.4	8.1	28.3	9.9	70.6	6.7	8	66.06
	1429	DP 1137B2RF	4.36	0.84	1.187	84.8	7.1	30	9.9	71.3	7	8	61.15
	1426	Phytogen 725RF	4.26	0.84	1.195	83.7	7.9	29.6	9.5	68.8	7	8	66.36
	1466	NG 5315B2RF	4.41	0.84	1.155	84	7.9	27.5	10.5	72.6	7.2	7	58.6
	1465	NG 1511B2RF	4.85	0.85	1.155	83.8	8	29.6	10.3	69	7	8	66.82
.		LSD	0.37	0.01	0.055	1.5	1.1	2.8	0.8	4.6	0.7	1	18.01

vcode		VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
	1478	PHY 333WRF	0.82	1.02	26	8.7	1.24	165.2	5.3	0.89	243	22
	1404	PHY 499WRF	0.79	0.98	26.5	8.9	1.19	176.5	4.3	0.92	210	19
	1412	DP 0912B2RF	0.81	0.99	23	7.8	1.18	182.7	4.1	0.94	206	8
	1468	ST 4946GLB2	0.79	1	28	9.5	1.22	168.5	5.5	0.9	181	13
	1449	DP 1252B2RF	0.82	1	23.5	8.2	1.2	175.4	4.8	0.88	229	9
	1480	HQ 210CT	0.78	0.97	25.5	9.3	1.16	171.8	4.9	0.91	222	8
	1469	PHY 339WRF	0.8	1.01	27.5	9.7	1.25	154.4	6	0.87	317	17
	1450	UA 222	0.71	0.96	36	13.5	1.21	154	7.8	0.85	264	18
	1470	PHY 575WRF	0.79	1.02	29	10.4	1.28	144.2	7.1	0.84	304	18
	1441	FM 2484B2F	0.82	1.03	27	9.2	1.28	150.8	5.7	0.9	234	18
	1397	DP 1050B2RF	0.83	1	23	8.1	1.21	174.3	5	0.89	190	10
	1461	ST 6448GLB2	0.79	1.01	29	10.1	1.26	164.9	5.6	0.9	223	14
	1479	DG 2355B2RF	0.77	0.97	29	10.1	1.19	168.3	5.6	0.9	265	14
	1467	DG 2285B2RF	0.79	0.98	27	9.9	1.2	170.5	5	0.91	231	5
	1429	DP 1137B2RF	0.84	1.03	22.5	7.5	1.24	169.7	4.6	0.91	225	17
	1426	Phytogen 725RF	0.83	1.02	24	8	1.23	170.8	4.3	0.92	222	17
	1466	NG 5315B2RF	0.79	0.98	26	9.3	1.19	172.5	5.2	0.87	226	15
	1465	NG 1511B2RF	0.77	0.97	28.5	10.2	1.19	178.9	4.5	0.94	259	17
.		LSD	0.07	0.05	6.6	2.9	0.06	13.5	1.4	0.03	106	11

2014 National Cotton Variety Test

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DELTA REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR DELTA BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1457	DP 1321B2RF	1681	2234	43.1	9.8	5.04	18.28	3.66	0.53	0.68	1.21
1465	NG 1511B2RF	1624	1963	44.6	9.8	5.11	19.25	3.59	0.64	0.87	1.51
1412	DP 0912B2RF	1589	2196	41.9	9.8	5.05	18.65	3.38	0.53	0.75	1.28
1468	ST 4946GLB2	1570	2142	41.7	10.7	5.34	18.66	3.55	0.48	0.73	1.21
1481	PHY 427WRF	1560	2128	41.7	8.9	4.64	20.37	3.74	0.61	0.85	1.46
1453	PHY 399WRF	1504	2039	42.2	9.5	4.94	19.57	3.56	0.56	0.82	1.38
1451	FM 1944GLB2	1502	2185	40.3	10.5	5.38	17.32	3.49	0.51	0.54	1.06
1404	PHY 499WRF	1435	1763	44.2	9.5	4.91	19.02	3.6	0.49	0.76	1.25
1441	FM 2484B2F	1405	1953	41.9	10.3	4.48	20.51	3.53	0.5	0.72	1.22
1426	Phytogen 725RF	1125	1769	38.3	11.1	5.48	20.58	3.72	0.43	0.58	1.01
.	LSD	168	202	0.5	0.4	0.49	0.74	0.16	0.05	0.07	0.11

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1457	DP 1321B2RF	4.86	0.85	1.165	84.9	6.7	31.4	9.6	78.7	6.7	4	76.29
1465	NG 1511B2RF	4.97	0.86	1.151	84.2	7.2	31.5	9.3	79.3	7	3	68.61
1412	DP 0912B2RF	5.01	0.87	1.127	83.7	7.6	30.2	8.3	78.7	6.7	3	77.51
1468	ST 4946GLB2	4.68	0.85	1.181	85.4	6.5	33	8.8	79.6	7.3	3	70.01
1481	PHY 427WRF	4.64	0.85	1.159	84.3	7.3	31.4	9	78.8	6.9	4	77.41
1453	PHY 399WRF	4.52	0.85	1.189	84.8	6.9	32.1	8.6	79.2	6.3	4	78.18
1451	FM 1944GLB2	4.76	0.87	1.205	83.9	7.8	32.5	7	81.1	5.9	3	71.08
1404	PHY 499WRF	4.86	0.86	1.152	84.7	7	32.8	9.2	78.2	6.9	4	78.54
1441	FM 2484B2F	4.31	0.86	1.22	84.2	7	32.8	7.2	81.5	6.2	4	79.37
1426	Phytogen 725RF	4.59	0.86	1.233	85.1	6.4	35.6	8.5	77.9	6.7	4	83.35
.	LSD	0.18	0.01	0.017	0.8	0.5	1.2	0.4	1.3	0.5	1	18.72

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1457	DP 1321B2RF	0.9	1.04	16.4	5.1	1.22	183.5	3.3	0.95	114	6
1465	NG 1511B2RF	0.89	1.03	16.4	5.3	1.21	184.1	3.1	0.95	95	4
1412	DP 0912B2RF	0.86	1	18.1	5.9	1.17	193.4	2.9	0.98	104	6

1468	ST 4946GLB2	0.88	1.04	18.8	5.9	1.23	182	3.2	0.97	103	6
1481	PHY 427WRF	0.87	1.03	19.1	6.2	1.21	176.3	3.4	0.95	121	8
1453	PHY 399WRF	0.91	1.07	16.5	5.4	1.26	172.5	3.6	0.95	123	8
1451	FM 1944GLB2	0.88	1.06	21.6	7.1	1.28	177.6	3.7	0.97	117	6
1404	PHY 499WRF	0.88	1.03	18	5.7	1.21	185	2.9	0.97	101	7
1441	FM 2484B2F	0.9	1.08	18.5	5.7	1.29	169.5	3.3	0.97	128	5
1426	Phytogen 725RF	0.94	1.1	15	4.5	1.29	178	2.4	1	104	7
.	LSD	0.03	0.02	2.7	1	0.02	7.1	0.7	0.04	24	4

DELTA REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
STONEVILLE, MS	2369	3017	43.9	9.7	5.07	19.67	3.53	0.57	0.8	1.38
KEISER, AR	1264	1812	40.9	10.4	4.83	19.46	3.59	0.54	0.7	1.24
SAINT JOSEPH, LA	1233	1623	43.1	9.7	5.21	19.61	3.53	0.55	0.78	1.33
PORTAGEVILLE, MO	1131	1697	40	10.1	.	18.05	3.66	0.46	0.66	1.12

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
STONEVILLE, MS	4.96	0.86	1.159	84.5	7	32.1	9	81.5	6.4	3	77.04
KEISER, AR	4.28	0.85	1.23	85.6	6.3	32.2	8.4	83.1	6.1	3	78.09
SAINT JOSEPH, LA	5.17	0.87	1.169	84.1	7.4	31.5	8.1	76.8	6.3	4	69.21
PORTAGEVILLE, MO	4.47	0.85	1.154	83.7	7.6	33.5	8.6	75.7	7.9	4	79.8

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
STONEVILLE, MS	0.87	1.02	18.4	5.9	1.21	183.1	3	0.97	93	7
KEISER, AR	0.96	1.11	14.6	4.4	1.31	173.2	3.2	0.95	100	4
SAINT JOSEPH, LA	0.88	1.04	18.3	5.9	1.23	187.3	2.8	0.98	92	3
PORTAGEVILLE, MO	0.85	1.02	20.1	6.6	1.21	177.1	3.7	0.96	159	11

DELTA REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=SAINT JOSEPH, LA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1481	PHY 427WRF	1422	1876	43.1	8.8	4.74	21.2	3.61	0.65	0.91	1.56
1451	FM 1944GLB2	1402	2000	41.2	10.3	5.7	17.18	3.36	0.5	0.52	1.02
1457	DP 1321B2RF	1384	1710	44.7	9.4	5.2	18.83	3.7	0.55	0.7	1.24
1468	ST 4946GLB2	1337	1772	43	10.5	5.76	19.57	3.61	0.48	0.77	1.24
1412	DP 0912B2RF	1321	1754	43	9.7	5.1	19.44	3.24	0.54	0.81	1.35
1441	FM 2484B2F	1245	1690	42.4	10.2	4.84	21.23	3.68	0.5	0.77	1.27
1453	PHY 399WRF	1235	1579	43.9	8.9	5.19	19.75	3.46	0.58	0.89	1.47
1465	NG 1511B2RF	1233	1452	46	9.3	5.22	19.7	3.47	0.67	0.9	1.57
1404	PHY 499WRF	973	1186	45.1	9.3	4.81	19.58	3.63	0.48	0.79	1.27
1426	Phytogen 725RF	784	1216	39	10.9	5.55	.	.	.	.	.
.	LSD	241	323	0.7	0.3	0.29	1.35	0.29	0.02	0.04	0.06

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1481	PHY 427WRF	5.21	0.87	1.157	83.9	7.7	30.6	8.6	76.8	6.5	6	72.97
1451	FM 1944GLB2	5.28	0.89	1.204	83.9	8	31.8	6.4	79.3	5.6	4	74.26
1457	DP 1321B2RF	5.4	0.87	1.153	84.8	6.7	31	9.4	75.6	6.5	5	68.41
1468	ST 4946GLB2	5.03	0.86	1.172	84.6	6.9	31.7	8.6	77.4	6.6	4	70.71
1412	DP 0912B2RF	5.47	0.88	1.115	83	7.6	29.3	7.7	76.1	6.6	3	67.75
1441	FM 2484B2F	4.66	0.87	1.215	84.1	7.5	32.9	6.7	77.8	5.9	4	71.41
1453	PHY 399WRF	5.04	0.87	1.163	83.9	7.5	31.4	8.2	76.7	5.5	5	62.82
1465	NG 1511B2RF	5.32	0.87	1.139	83.4	8	30.1	8.7	75.4	6.7	5	64.5
1404	PHY 499WRF	5.27	0.87	1.144	83.8	7.4	31.8	8.7	76.7	6.7	3	65.13
1426	Phytogen 725RF	5.01	0.87	1.233	85.6	6.6	35.1	7.8	76.7	6.5	5	74.19
.	LSD	0.15	0.01	0.023	1.1	0.8	2.4	0.5	2.8	1.2	4	6.22

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1481	PHY 427WRF	0.87	1.03	19.5	6.3	1.22	179.9	3.6	0.94	79	2

1451	FM 1944GLB2	0.84	1.03	24.5	8.5	1.27	184.2	3.1	0.99	125	3
1457	DP 1321B2RF	0.88	1.03	17	5.6	1.21	190.5	2.8	0.97	102	7
1468	ST 4946GLB2	0.88	1.04	18	5.7	1.22	181.5	3.5	0.94	75	3
1412	DP 0912B2RF	0.87	1.01	16.5	5.2	1.17	212	1.8	1.06	72	1
1441	FM 2484B2F	0.92	1.09	17	5.3	1.3	182	2.5	1.03	93	1
1453	PHY 399WRF	0.89	1.04	17.5	5.8	1.23	177.3	3.7	0.93	110	9
1465	NG 1511B2RF	0.87	1.03	18	5.7	1.21	184.9	3.3	0.94	85	2
1404	PHY 499WRF	0.86	1.02	20	6.4	1.21	194	2.5	1.02	99	3
1426	Phytogen 725RF	0.94	1.09	15	4.4	1.28	187.2	1.9	1.04	85	3
.	LSD	0.04	0.03	2.8	1.2	0.03	6.3	0.8	0.03	36	4

LOCATION=STONEVILLE, MS

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1465	NG 1511B2RF	2689	3007	46.7	9	5.25	19.81	3.71	0.68	0.95	1.63
1457	DP 1321B2RF	2568	3173	44.8	10	5.25	19.42	3.55	0.6	0.77	1.37
1468	ST 4946GLB2	2551	3193	43.7	10.8	5.7	19.24	3.53	0.56	0.86	1.41
1412	DP 0912B2RF	2491	3223	44.3	9.4	4.9	18.85	3.23	0.51	0.75	1.26
1481	PHY 427WRF	2430	3181	43.4	9	4.85	20.83	3.63	0.69	0.96	1.65
1404	PHY 499WRF	2420	2828	46.1	9.2	4.9	19.07	3.51	0.53	0.85	1.38
1451	FM 1944GLB2	2255	3098	42.2	10	5.2	17.26	3.54	0.55	0.58	1.13
1453	PHY 399WRF	2249	2868	44.3	9.3	4.55	20	3.58	0.6	0.9	1.5
1441	FM 2484B2F	2174	2840	44.1	9.8	4.65	21.65	3.38	0.57	0.83	1.39
1426	Phytogen 725RF	1868	2758	40	10.8	5.45	20.55	3.7	0.45	0.61	1.06
.	LSD	122	279	1.3	0.6	0.36	0.75	0.25	0.03	0.08	0.11

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1465	NG 1511B2RF	5.2	0.86	1.123	84.4	6.9	31.7	10.2	82.4	6.9	3	77.57
1457	DP 1321B2RF	5.23	0.86	1.164	85.8	6	30.8	10.2	81.8	6.5	3	77.04
1468	ST 4946GLB2	5.03	0.86	1.169	86	6	34.9	8.9	82.6	6.9	2	40.51
1412	DP 0912B2RF	5.22	0.87	1.114	83.9	7.3	30.2	9.1	81.1	6.5	3	83.34
1481	PHY 427WRF	4.91	0.86	1.129	84.3	7.1	31.6	9.8	80.3	6.2	4	81.47
1404	PHY 499WRF	4.99	0.86	1.134	84.5	7.2	31.9	9.4	80	6.6	4	84.5
1451	FM 1944GLB2	4.92	0.87	1.185	83	8.5	31.5	7.3	82.8	5.9	3	80.14
1453	PHY 399WRF	4.69	0.86	1.169	85.1	6.8	32.1	8.8	80.7	5.9	5	79.48

1441	FM 2484B2F	4.66	0.86	1.213	83.8	7.2	31.8	7.5	84.7	6.1	4	82.21
1426	Phytogen 725RF	4.77	0.86	1.191	84.6	6.7	34.7	8.9	79.2	6.4	4	84.16
.	LSD	0.19	0.01	0.037	2	1.2	1.9	0.7	1.6	0.6	2	38.89

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
1465	NG 1511B2RF	0.85	0.99	16.5	5.6	1.17	190.4	2.7	0.97	73	3
1457	DP 1321B2RF	0.91	1.04	14.5	4.4	1.2	189.9	2.7	0.96	91	4
1468	ST 4946GLB2	0.88	1.03	17.5	5.5	1.21	190.4	2.7	0.99	68	5
1412	DP 0912B2RF	0.8	0.95	21.5	7.3	1.13	195.4	2.9	0.99	110	10
1481	PHY 427WRF	0.82	0.99	22	7.3	1.17	177	3.6	0.95	102	8
1404	PHY 499WRF	0.86	1.02	18	5.7	1.18	184	2.7	0.97	85	7
1451	FM 1944GLB2	0.85	1.04	23	7.5	1.26	179.2	3.8	0.98	96	9
1453	PHY 399WRF	0.89	1.04	17.5	5.8	1.23	175.8	3.5	0.96	118	7
1441	FM 2484B2F	0.9	1.08	18	5.5	1.28	173	2.8	0.99	102	7
1426	Phytogen 725RF	0.91	1.07	15.5	4.8	1.25	176.4	2.4	1	84	7
.	LSD	0.04	0.03	3.4	1.4	0.03	4.9	0.8	0.02	39	7

LOCATION=PORTAGEVILLE, MO

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1412	DP 0912B2RF	1258	1926	39.5	10.3	.	17.92	3.47	0.51	0.71	1.21
1457	DP 1321B2RF	1238	1802	40.8	9.6	.	16.91	3.66	0.45	0.61	1.06
1465	NG 1511B2RF	1230	1667	42.5	10.4	.	18.2	3.48	0.53	0.77	1.3
1453	PHY 399WRF	1210	1819	40	10.2	.	18.84	3.64	0.47	0.71	1.18
1468	ST 4946GLB2	1107	1659	40	10.6	.	17.06	3.63	0.46	0.71	1.16
1481	PHY 427WRF	1088	1669	39.5	8.7	.	18.8	3.93	0.53	0.76	1.29
1404	PHY 499WRF	1082	1451	42.8	9.5	.	17.92	3.74	0.4	0.64	1.04
1441	FM 2484B2F	1060	1597	40	10.5	.	18.32	3.62	0.44	0.67	1.11
1451	FM 1944GLB2	1046	1670	38.5	10.6	.	17.09	3.59	0.45	0.53	0.98
1426	Phytogen 725RF	993	1711	36.8	11	.	19.49	3.82	0.37	0.51	0.88
.	LSD	109	191	1.2	1	.	1.45	0.2	0.03	0.04	0.07

vcode	VARIETY	Micro	Upper Half	Uniformity	Short	Elon	Hunters	Yarn

		naire	Maturity	Mean Length	Index	Fiber	Strength	gation	RD	Plus b	Waste	Tenacity
1412	DP 0912B2RF	4.65	0.86	1.113	83.1	8.5	32	8.6	73.9	7.4	4	80.63
1457	DP 1321B2RF	4.39	0.84	1.145	84.2	7.5	32.7	9.8	74.9	7.7	5	80.17
1465	NG 1511B2RF	4.75	0.85	1.133	83.7	7.4	32.6	9.4	75.6	8.2	3	87.97
1453	PHY 399WRF	4.33	0.85	1.178	83.7	7.5	33.3	8.4	76	8	5	86.21
1468	ST 4946GLB2	4.49	0.86	1.144	84.1	7.5	32.5	8.6	76.6	8.7	4	90.02
1481	PHY 427WRF	4.18	0.84	1.139	83.6	7.7	31.5	8.7	76.4	8.3	5	81.78
1404	PHY 499WRF	4.79	0.86	1.128	83.9	7.3	35	9.5	74.3	8.2	5	74.97
1441	FM 2484B2F	4.25	0.85	1.176	84	7.4	34.7	7.8	77.5	7.5	5	88.45
1451	FM 1944GLB2	4.59	0.86	1.172	83.4	8.1	34.1	7.2	77.5	7.6	3	39.43
1426	Phytogen 725RF	4.31	0.85	1.216	83.8	6.9	37.3	8.8	74.5	8	4	88.39
.	LSD	0.3	0.01	0.025	1.3	0.8	1.7	0.6	1.7	0.6	2	40.08

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1412	DP 0912B2RF	0.82	0.99	21.5	7.2	1.16	182.2	4.3	0.94	161	9
1457	DP 1321B2RF	0.85	1.01	20.5	6.5	1.2	176.3	4.3	0.93	165	11
1465	NG 1511B2RF	0.85	0.99	19	6.2	1.17	184.5	3.4	0.95	137	7
1453	PHY 399WRF	0.87	1.04	19.5	6.5	1.24	170	3.8	0.97	171	11
1468	ST 4946GLB2	0.84	1.01	21.5	7.1	1.21	179.7	3.4	0.97	163	15
1481	PHY 427WRF	0.83	1	21.5	7.2	1.19	172.3	3.8	0.96	195	17
1404	PHY 499WRF	0.85	1	19	6.2	1.17	186	3.3	0.96	128	11
1441	FM 2484B2F	0.86	1.04	20	6.5	1.24	169.2	3.8	0.96	171	8
1451	FM 1944GLB2	0.86	1.04	21.5	7	1.25	176.4	4	0.96	160	7
1426	Phytogen 725RF	0.9	1.07	17	5.3	1.27	175	3	0.98	145	13
.	LSD	0.04	0.02	4.8	1.7	0.02	6.3	1	0.02	45	7

LOCATION=KEISER, AR

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1457	DP 1321B2RF	1534	2251	42	10.3	4.66	17.97	3.74	0.52	0.66	1.18
1465	NG 1511B2RF	1343	1727	43.3	10.4	4.86	19.29	3.7	0.67	0.88	1.55
1453	PHY 399WRF	1324	1892	40.8	9.8	5.07	19.69	3.58	0.58	0.8	1.38
1451	FM 1944GLB2	1305	1971	39.5	11.1	5.25	17.74	3.46	0.55	0.56	1.11

1481	PHY 427WRF	1300	1787	40.9	9.3	4.33	20.67	3.81	0.57	0.76	1.33	
1412	DP 0912B2RF	1287	1883	40.9	10	5.16	18.37	3.57	0.55	0.75	1.29	
1468	ST 4946GLB2	1285	1945	40	11.2	4.58	18.77	3.45	0.43	0.6	1.03	
1404	PHY 499WRF	1265	1589	43.1	10	5.01	19.51	3.54	0.54	0.78	1.31	
1441	FM 2484B2F	1144	1684	41.1	10.7	3.95	20.85	3.46	0.49	0.64	1.13	
1426	Phytogen 725RF	856	1392	37.5	11.6	5.46	21.71	3.65	0.48	0.61	1.09	
.	LSD	170	289	2.2	0.6	0.98	1.04	0.35	0.07	0.09	0.16	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1457	DP 1321B2RF	4.43	0.85	1.2	84.7	6.6	31.3	9.2	82.8	6	4	79.54
1465	NG 1511B2RF	4.6	0.86	1.209	85.2	6.5	31.6	8.9	83.8	6.3	3	44.4
1453	PHY 399WRF	4.04	0.84	1.248	86.7	6.1	31.8	8.8	83.3	6	4	84.21
1451	FM 1944GLB2	4.26	0.86	1.259	85.2	6.6	32.8	7	84.8	4.7	3	90.5
1481	PHY 427WRF	4.26	0.85	1.21	85.4	6.6	31.9	9	81.9	6.8	2	73.45
1412	DP 0912B2RF	4.69	0.86	1.165	84.7	7	29.5	7.8	83.7	6.6	3	78.31
1468	ST 4946GLB2	4.18	0.84	1.24	86.8	5.9	33	9.1	81.7	7.2	3	78.81
1404	PHY 499WRF	4.39	0.85	1.203	86.5	6	32.8	9.2	82	6	3	89.58
1441	FM 2484B2F	3.67	0.84	1.276	84.7	6.2	31.6	7	85.9	5.2	3	75.4
1426	Phytogen 725RF	4.26	0.85	1.293	86.4	5.4	35.4	8.4	81.5	6.1	5	86.68
.	LSD	0.6	0.02	0.032	1.9	0.8	1.6	0.6	1.6	0.8	3	41.89

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
1457	DP 1321B2RF	0.95	1.09	13.5	4.1	1.27	177.5	3.4	0.94	100	5
1465	NG 1511B2RF	0.98	1.12	12	3.6	1.29	176.9	3.1	0.94	84	4
1453	PHY 399WRF	1	1.15	11.5	3.4	1.34	167	3.4	0.93	94	5
1451	FM 1944GLB2	0.96	1.14	17.5	5.3	1.36	170.9	3.8	0.96	90	6
1481	PHY 427WRF	0.96	1.11	13.5	4.1	1.28	175.9	2.7	0.97	107	4
1412	DP 0912B2RF	0.94	1.07	13	4	1.23	184.2	2.7	0.95	73	4
1468	ST 4946GLB2	0.92	1.09	18	5.5	1.3	176.3	3.4	0.98	106	3
1404	PHY 499WRF	0.95	1.1	15	4.4	1.28	176	3.1	0.95	93	7
1441	FM 2484B2F	0.93	1.13	19	5.7	1.36	153.7	4.1	0.93	149	4
1426	Phytogen 725RF	1.02	1.18	12.5	3.6	1.38	173.7	2.2	1.01	102	6
.	LSD	0.05	0.04	3.1	1.4	0.04	15	1.1	0.05	43	6

2014 National Cotton Variety Test

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WESTERN REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR WESTERN BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1474	FM 2322GL	1710	1891	45.9	9.5	5.81	15.71	3.62	0.34	0.53	0.87
1473	DP 1359B2RF	1697	2221	44.1	8.2	4.7	20.79	2.92	0.52	0.65	1.17
1441	FM 2484B2F	1662	2128	42.8	9.5	5.01	24.13	2.76	0.67	0.87	1.53
1404	PHY 499WRF	1573	1736	44.3	9	5.14	20.61	3.28	0.58	0.81	1.4
1426	Phytogen 725RF	1528	2406	38.9	10.4	5.58	21.88	3.24	0.55	0.71	1.26
1412	DP 0912B2RF	1513	2125	41	9.4	5.17	20.77	2.94	0.59	0.8	1.39
1361	PHY 755WRF	1496	2451	37.5	10.1	5	22.06	3.2	0.54	0.68	1.22
.	LSD	627	882	1.5	1.6	0.64	1.24	0.36	0.05	0.07	0.11

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1474	FM 2322GL	4.62	0.87	1.179	83.4	7.8	32.4	7.2	81	7.2	3	55.44
1473	DP 1359B2RF	4.66	0.86	1.185	83.1	8.6	32.1	8.6	81.7	7.3	2	72.78
1441	FM 2484B2F	4.54	0.85	1.228	84.5	6.9	30.9	8.1	83.1	6.3	2	76.23
1404	PHY 499WRF	4.87	0.85	1.152	84.3	7.6	30.7	10	79	7.3	4	80.97
1426	Phytogen 725RF	4.57	0.85	1.23	84.1	6.8	34.6	9	78.5	8.2	3	81.89
1412	DP 0912B2RF	5.26	0.86	1.128	83.9	7.9	28.6	9.2	79.4	7.1	4	71.29
1361	PHY 755WRF	4.52	0.85	1.257	84.7	6.3	35.9	9	79.6	8.1	2	84.06
.	LSD	0.21	0.01	0.037	1.1	0.5	1.8	0.8	1.2	0.4	2	24.92

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1474	FM 2322GL	0.85	1.03	20.3	6.7	1.23	166.4	3.1	0.98	156	7
1473	DP 1359B2RF	0.81	1.01	25.5	8.7	1.24	174.1	3.9	0.95	141	4
1441	FM 2484B2F	0.86	1.05	22	7.1	1.28	168.1	3.6	0.96	143	5
1404	PHY 499WRF	0.85	1.02	21.3	7.1	1.21	178.8	3.7	0.93	150	7
1426	Phytogen 725RF	0.88	1.06	19.2	6.3	1.27	172	3.3	0.96	156	8
1412	DP 0912B2RF	0.84	0.99	18.3	6.1	1.16	196.5	2.8	0.98	130	8
1361	PHY 755WRF	0.93	1.12	17.3	5.4	1.33	175.4	2.8	0.98	147	8

.	LSD	0.05	0.04	3.5	1.5	0.04	10	0.7	0.03	39	4

WESTERN REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Plus Gossypol	Plus Gossypol	FREE GOSSYPOL
LAS CRUCES, NM	1783	2173	45.1	.	5.21	22.06	3.03	0.57	0.74	1.31
FIVE POINTS, CA	1716	2490	40.8	10.6	6.06	17.85	3.76	0.43	0.58	1.01
PECOS, TX (IRR)	1353	1997	39	9.2	4.95	20.51	3.07	0.54	0.72	1.26

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
LAS CRUCES, NM	4.65	0.85	1.231	84.8	6.8	32.5	9.2	78.9	7.4	3	75.49
FIVE POINTS, CA	4.62	0.86	1.237	83.5	7.1	35	7.5	80	8.4	3	69.43
PECOS, TX (IRR)	4.76	0.86	1.151	83.4	7.9	31.6	8.6	81.6	7.1	2	75.71

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
LAS CRUCES, NM	0.88	1.06	20.5	6.7	1.28	175.3	3.5	0.96	107	4
FIVE POINTS, CA	0.88	1.07	21	6.6	1.3	169	3.2	0.97	208	11
PECOS, TX (IRR)	0.85	1.01	19.7	6.6	1.2	177.4	3.1	0.97	161	7

WESTERN REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=PECOS, TX (IRR)

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1474	FM 2322GL	1695	1822	43	8.7	4.98	15.98	3.67	0.37	0.54	0.9
1473	DP 1359B2RF	1477	2310	40.7	8.2	4.62	20.56	2.92	0.5	0.64	1.14

1361	PHY 755WRF	1449	2653	33.7	9.7	4.96	22.91	3	0.54	0.67	1.21	
1412	DP 0912B2RF	1399	2227	37.4	9.4	4.83	19.92	2.93	0.61	0.84	1.45	
1426	Phytogen 725RF	1279	2226	36.8	9.9	5.09	21.5	2.85	0.56	0.73	1.29	
1441	FM 2484B2F	1122	1614	40.2	9.5	5.09	22.98	2.82	0.67	0.85	1.51	
1404	PHY 499WRF	1048	1130	41.4	9	5.06	19.76	3.3	0.56	0.79	1.34	
.	LSD	413	628	2.1	0.4	0.52	1.4	0.11	0.02	0.04	0.05	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1474	FM 2322GL	4.64	0.87	1.139	82.6	8.3	31.7	7.2	81.6	6.5	4	47.2
1473	DP 1359B2RF	4.7	0.86	1.157	82.4	9	30.9	8.5	83.6	7.2	1	74.2
1361	PHY 755WRF	4.53	0.85	1.228	84.8	6.7	35.3	9.2	81.1	7.7	2	91.8
1412	DP 0912B2RF	5.3	0.87	1.075	82.7	8.7	27.7	8.7	80.3	7	4	68.22
1426	Phytogen 725RF	4.64	0.85	1.161	83.4	7.4	34.1	9.5	79.9	7.9	2	86.26
1441	FM 2484B2F	4.72	0.86	1.181	84.2	7.5	31	7.9	84.3	6.1	1	85.06
1404	PHY 499WRF	4.81	0.86	1.116	84	7.9	30.5	9.3	80.6	7.2	4	77.25
.	LSD	0.18	0.01	0.029	1.7	1.4	1.9	1.1	1.7	0.6	2	59.57

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
1474	FM 2322GL	0.82	0.98	21	7.4	1.18	165.5	3.1	0.98	175	8
1473	DP 1359B2RF	0.81	1	25	8.4	1.22	174.5	3.8	0.96	154	5
1361	PHY 755WRF	0.95	1.12	15	4.6	1.32	174.9	2.7	0.98	125	9
1412	DP 0912B2RF	0.81	0.95	19	6.5	1.12	197	2.5	0.99	164	11
1426	Phytogen 725RF	0.87	1.03	16.5	5.7	1.21	175	2.9	0.98	162	8
1441	FM 2484B2F	0.87	1.04	20	6.4	1.23	177	2.9	0.98	158	6
1404	PHY 499WRF	0.82	0.99	21.5	7.3	1.16	178.2	3.8	0.94	189	7
.	LSD	0.04	0.04	3.6	1.5	0.04	8.5	0.7	0.02	46	7

LOCATION=FIVE POINTS, CA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1474	FM 2322GL	1894	2223	46	10.3	6.47	13.36	3.92	0.29	0.47	0.76

1426	Phytogen 725RF	1700	2698	38.7	10.8	6.2	20.04	3.61	0.51	0.66	1.17	
1361	PHY 755WRF	1554	2550	37.9	10.6	5.5	20.15	3.75	0.48	0.63	1.11	
.	LSD	309	489	0.4	2.2	0.62	1.57	0.45	0.05	0.1	0.13	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1474	FM 2322GL	4.75	0.87	1.18	83.3	8	32.4	6.8	81.2	7.9	3	38.61
1426	Phytogen 725RF	4.54	0.86	1.259	83.5	7	35	7.8	78.8	8.8	3	84.23
1361	PHY 755WRF	4.56	0.86	1.271	83.9	6.4	37.5	8	80	8.6	3	85.46
.	LSD	0.14	.	0.046	2	0.6	3	1.7	4.4	0.5	2	121.1

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fineness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1474	FM 2322GL	0.86	1.04	21	6.8	1.25	167.5	3.1	0.98	197	11
1426	Phytogen 725RF	0.88	1.07	21.5	6.8	1.3	168.5	3.6	0.95	206	8
1361	PHY 755WRF	0.91	1.11	20.5	6.4	1.35	171	2.8	0.98	222	13
.	LSD	0.05	0.04	1.8	0.9	0.02	6.7	0.8	0.02	44	10

LOCATION=LAS CRUCES, NM

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1441	FM 2484B2F	2202	2642	45.5	.	4.94	25.29	2.71	0.67	0.89	1.56
1404	PHY 499WRF	2099	2342	47.2	.	5.23	21.46	3.26	0.61	0.84	1.45
1473	DP 1359B2RF	1918	2133	47.4	.	4.79	21.03	2.92	0.55	0.67	1.21
1412	DP 0912B2RF	1627	2023	44.6	.	5.51	21.63	2.96	0.58	0.76	1.34
1426	Phytogen 725RF	1607	2295	41.2	.	5.46	24.11	3.25	0.58	0.74	1.32
1474	FM 2322GL	1542	1629	48.7	.	5.97	17.81	3.27	0.37	0.58	0.95
1361	PHY 755WRF	1484	2150	40.9	.	4.56	23.13	2.86	0.61	0.74	1.35
.	LSD	293	402	1.6	.	0.68	1.76	0.35	0.17	0.24	0.41

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1441	FM 2484B2F	4.36	0.85	1.276	84.8	6.3	30.9	8.4	82	6.6	3	67.39

	1404	PHY 499WRF	4.94	0.85	1.189	84.6	7.3	31	10.8	77.4	7.3	5	84.69
	1473	DP 1359B2RF	4.62	0.86	1.213	83.9	8.1	33.3	8.7	79.8	7.5	3	71.35
	1412	DP 0912B2RF	5.22	0.86	1.181	85.2	7	29.5	9.8	78.5	7.3	5	74.37
	1426	Phytogen 725RF	4.52	0.85	1.269	85.6	6	34.6	9.6	77	7.9	3	75.19
	1474	FM 2322GL	4.47	0.86	1.219	84.2	7.2	33.2	7.7	80.2	7.3	2	80.51
	1361	PHY 755WRF	4.46	0.85	1.274	85.6	6	34.9	9.8	77.7	8.1	1	74.92
.		LSD	0.32	0.01	0.059	2.1	1	2	0.8	2.3	0.5	2	16.49

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
1441	FM 2484B2F	0.85	1.07	24	7.9	1.32	159.2	4.4	0.94	127	4
1404	PHY 499WRF	0.88	1.06	21	7	1.26	179.5	3.6	0.93	112	7
1473	DP 1359B2RF	0.82	1.03	26	9.1	1.27	173.7	4	0.95	128	3
1412	DP 0912B2RF	0.88	1.03	17.5	5.7	1.21	196	3.2	0.96	96	5
1426	Phytogen 725RF	0.9	1.09	19.5	6.4	1.31	172.4	3.3	0.96	100	7
1474	FM 2322GL	0.88	1.07	19	6.1	1.27	166.2	3.2	0.99	95	3
1361	PHY 755WRF	0.94	1.12	16.5	5.1	1.34	180.4	2.8	1	95	3
.	LSD	0.09	0.09	4.7	2.1	0.09	5.4	0.8	0.01	41	7

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PIMA REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR PIMA BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1494	MON 12R254R2P	2085	3252	39.1	12.6	3.55	21.17	3.83	0.59	0.61	1.2
1493	MON 13R348R2P	2007	3312	37.7	14.5	3.68	22.64	3.75	0.68	0.63	1.31
1471	DP 358RF	1415	2327	38.6	13.4	3.54	23.97	3.55	0.65	0.6	1.25
1472	PHY 811RF	1412	2273	39.1	13.6	3.28	23.46	3.17	0.68	0.63	1.3
1432	PHY 805	1383	2153	39.9	13.2	3.57	22.92	3.32	0.6	0.59	1.18
1433	PHY 802	1349	2159	39.5	13	3.49	22.71	3.31	0.6	0.58	1.18
1272	DP 340	1331	2126	39.4	13.3	3.57	24.78	3.35	0.75	0.61	1.35
.	LSD	149	239	0.7	.	0.4	1.21	0.57	0.05	0.05	0.1

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1494	MON 12R254R2P	4.18	0.86	1.394	87.4	4.9	43.3	7.2	71.8	11	5	45.31
1493	MON 13R348R2P	4.06	0.85	1.469	88.8	4.9	43	7.6	71.4	11	7	48.37
1471	DP 358RF	4.15	0.85	1.435	88.2	4.9	44.8	7.9	71.5	10.8	4	68.86
1472	PHY 811RF	4.02	0.85	1.41	87.5	4.9	43.6	8.1	71.6	11	4	68.13
1432	PHY 805	4.39	0.86	1.399	87.6	4.9	45.3	7.7	70.6	11	5	91.92
1433	PHY 802	4.11	0.85	1.444	88.2	4.9	45.4	8.1	70.9	11	5	45.34
1272	DP 340	4.44	0.86	1.365	87.2	5	41.7	7.8	71.6	11	3	49.89
.	LSD	0.41	0.01	0.03	1.6	.	1.1	0.6	2.4	0.4	3	61.71

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1494	MON 12R254R2P	1.04	1.25	14.5	3.7	1.49	155.7	2.3	1.01	154	3
1493	MON 13R348R2P	1.07	1.26	14	3.4	1.49	152.8	2.3	0.99	111	3
1471	DP 358RF	1.04	1.25	15.3	3.9	1.49	156.3	2.4	1	121	2
1472	PHY 811RF	1.04	1.25	16	3.9	1.5	154.3	2.6	1	125	5
1432	PHY 805	1.04	1.23	15.3	3.9	1.47	162.3	2.1	1.01	120	3
1433	PHY 802	1.02	1.25	18.3	4.8	1.52	151.5	3	0.99	169	8
1272	DP 340	0.99	1.19	17.3	4.6	1.43	158.9	2.6	1	130	3

.	LSD	0.09	0.05	5.6	1.9	0.06	15.5	1.1	0.04	103	11

PIMA REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
LEMOORE, CA	1953	3238	37.6	13.4	3.63	22.37	3.57	0.65	0.6	1.25
LAS CRUCES, NM	841	1195	41.3	.	3.36	24.58	3.2	0.66	0.6	1.26

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
LEMOORE, CA	4.04	0.85	1.429	87.8	4.9	42.2	7.5	71.5	10.9	6	59.4
LAS CRUCES, NM	4.44	0.86	1.393	87.8	4.9	46.5	8.3	71	11	3	65.23

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
LEMOORE, CA	1.05	1.26	15.7	3.9	1.51	152.1	2.5	0.99	145	5
LAS CRUCES, NM	1	1.21	16.5	4.3	1.45	162.1	2.4	1.02	115	2

WESTERN REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=LEMOORE, CA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1494	MON 12R254R2P	2085	3252	39.1	12.6	3.55	21.17	3.83	0.59	0.61	1.2
1493	MON 13R348R2P	2007	3312	37.7	14.5	3.68	22.64	3.75	0.68	0.63	1.31
1471	DP 358RF	1966	3379	36.8	13.4	3.73	23.29	3.8	0.65	0.6	1.24

	1272	DP 340	1927	3212	37.5	13.3	.	23.36	3.56	0.76	0.61	1.37
	1472	PHY 811RF	1913	3257	37	13.6	3.5	22.23	3.45	0.65	0.6	1.25
	1432	PHY 805	1892	3082	38	13.2	3.78	22.05	3.28	0.6	0.59	1.19
	1433	PHY 802	1880	3171	37.3	13	3.55	21.88	3.32	0.61	0.58	1.18
.		LSD	170	278	0.9	0.9	0.65	1	0.35	0.05	0.05	0.1

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1494	MON 12R254R2P	4.18	0.86	1.394	87.4	4.9	43.3	7.2	71.8	11	5	45.31
1493	MON 13R348R2P	4.06	0.85	1.469	88.8	4.9	43	7.6	71.4	11	7	48.37
1471	DP 358RF	4	0.85	1.451	88.4	4.9	42.6	7.2	71.1	10.5	7	42.9
1272	DP 340	4.13	0.86	1.393	86.9	5	39.7	7.4	72.6	11	4	51.45
1472	PHY 811RF	3.94	0.85	1.42	88.1	4.9	40.9	7.8	72.4	11	5	91.65
1432	PHY 805	4.06	0.86	1.409	87.4	4.9	43	7.4	70.9	11	6	92.89
1433	PHY 802	3.89	0.85	1.467	87.7	4.9	43.1	7.7	70.4	11	7	43.25
.	LSD	0.13	0.01	0.038	1.3	0.1	3.6	0.7	2.3	0.7	2	106.8

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
1494	MON 12R254R2P	1.04	1.25	14.5	3.7	1.49	155.7	2.3	1.01	154	3
1493	MON 13R348R2P	1.07	1.26	14	3.4	1.49	152.8	2.3	0.99	111	3
1471	DP 358RF	1.08	1.29	13.5	3.3	1.52	155.7	2.2	1	144	1
1272	DP 340	1.01	1.23	18	4.9	1.48	148.2	3	0.97	140	3
1472	PHY 811RF	1.08	1.29	15	3.5	1.55	151.5	2.5	0.99	122	7
1432	PHY 805	1.05	1.24	14.5	3.6	1.48	156.9	2.1	1	118	3
1433	PHY 802	1.01	1.27	20.5	5.4	1.55	143.9	3.5	0.96	230	14
.	LSD	0.12	0.09	6	2	0.08	11.5	1	0.04	62	4

LOCATION=LAS CRUCES, NM

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1472	PHY 811RF	911	1289	41.3	.	3.07	24.69	2.9	0.7	0.66	1.36
1432	PHY 805	874	1224	41.8	.	3.37	23.78	3.36	0.6	0.58	1.18

	1471	DP 358RF	864	1274	40.5	.	3.35	24.65	3.3	0.65	0.6	1.25
	1433	PHY 802	819	1147	41.8	.	3.42	23.55	3.3	0.6	0.58	1.18
	1272	DP 340	736	1040	41.3	.	3.57	26.21	3.15	0.74	0.6	1.34
.		LSD	220	322	2.2	.	0.35	2.02	0.44	0.03	0.03	0.06

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1472	PHY 811RF	4.1	0.85	1.4	87	4.9	46.4	8.5	70.9	11	3	44.62
1432	PHY 805	4.71	0.87	1.389	87.8	4.9	47.7	8	70.3	11	3	90.95
1471	DP 358RF	4.29	0.85	1.42	88	4.9	47.1	8.6	71.9	11	2	94.83
1433	PHY 802	4.34	0.86	1.421	88.8	4.9	47.7	8.5	71.4	11	3	47.42
1272	DP 340	4.75	0.87	1.338	87.5	5	43.7	8.3	70.7	11	3	48.34
.	LSD	0.55	0.02	0.06	2.4	0.1	4.1	0.7	2.1	.	4	94.41

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
1472	PHY 811RF	1.01	1.22	17	4.4	1.46	157.2	2.6	1.01	127	3
1432	PHY 805	1.02	1.22	16	4.2	1.46	167.7	2.2	1.03	122	3
1471	DP 358RF	1	1.21	17	4.6	1.46	157	2.5	1.01	98	2
1433	PHY 802	1.03	1.24	16	4.2	1.49	159.2	2.6	1.01	108	2
1272	DP 340	0.97	1.16	16.5	4.4	1.38	169.7	2.2	1.03	121	3
.	LSD	0.09	0.09	3.9	1.5	0.07	14.1	0.9	0.04	93	4

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REGIONAL HIGH QUALITY

2014 NATIONAL COTTON VARIETY TEST
OVERALL SUMMARIES FOR REGIONAL HIGH QUALITY BY VARIETIES

COMBINING ALL SUB-REGIONS -- REGIONAL HIGH QUALITY

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1292	DP 393	1646	2165	43.2	10.3	5.75	19.35	2.91	0.75	0.89	1.64
1459	PHY 444WRF	1485	1777	44.9	10.1	5.17	20.04	3.29	0.63	0.61	1.24
1485	PX 4539-15WRF	1455	1992	41.6	10.8	5.52	20.18	3.19	0.62	0.71	1.33
1484	PX 4478-20WRF	1415	1997	41.9	9.9	5.04	21.78	3.43	0.65	0.79	1.45
1488	Ark 0615-49	1347	1907	41	10.3	5.46	20.1	3.36	0.59	0.82	1.41
1457	DP 1321B2RF	1346	1766	42.9	9.6	5.02	17.06	3.45	0.5	0.67	1.17
1436	DP 1219B2RF	1341	1804	42.6	9.1	5.06	19.01	3.29	0.49	0.66	1.16
1490	Ark 0608-15	1316	1839	40.9	10.5	5.45	20.05	3.32	0.61	0.89	1.5
1441	FM 2484B2F	1292	1667	42.7	9.8	4.89	20.71	3.43	0.53	0.76	1.3
1470	PHY 575WRF	1282	1840	41.1	9.9	4.84	20.64	3.29	0.58	0.6	1.18
1489	Ark 0607-05	1273	1833	40.7	10.3	5.37	20.58	3.32	0.64	0.93	1.57
1483	FM 2334GLT	1258	1607	43.8	8.9	5.09	15.81	3.45	0.45	0.61	1.06
1496	DP 1311B2RF	1256	1598	43.7	8.8	5.11	17.36	3.46	0.51	0.74	1.25
1482	DP 1410B2RF	1250	1842	40.8	10.3	5.64	20.53	3.26	0.62	0.77	1.39
1491	DC 13-7	1215	1823	40.1	10.5	5.1	19.79	3.49	0.58	0.85	1.43
1492	DC F7 Bulk Population	1195	1724	40.5	9.8	5.29	20.68	3.39	0.6	0.88	1.48
1397	DP 1050B2RF	1126	1425	43.6	9.7	5.14	18.21	3.51	0.57	0.75	1.32
1474	FM 2322GL	1107	1278	45.1	9.8	5.67	17.46	3.55	0.4	0.55	0.95
1426	Phytogen 725RF	1058	1612	39.1	10.7	5.38	21.07	3.38	0.52	0.7	1.22
1487	PD 05069	1008	1424	41.3	9.6	5.4	16.95	3.66	0.49	0.71	1.2
1486	TAM 11K-13ELS	906	1515	36.7	12.4	5.77	20.01	3.54	0.54	0.82	1.37

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1292	DP 393	.	.	.	.	.	.	.	.	.	.	.
1459	PHY 444WRF	4.2	0.85	1.245	85.3	6.4	31.3	8.4	78.9	6.8	4	76.55
1485	PX 4539-15WRF	4.67	0.85	1.208	85.4	6.7	31.6	8.9	78.9	6.9	4	72.05
1484	PX 4478-20WRF	4.5	0.85	1.217	85.6	6.6	31.5	9.5	78	6.5	5	70.91
1488	Ark 0615-49	4.73	0.86	1.219	85.1	6.7	32	8.1	77.7	6.8	5	78.12
1457	DP 1321B2RF	4.71	0.85	1.187	84.2	7.5	31.3	9.2	78.7	6.9	4	72.57
1436	DP 1219B2RF	4.54	0.86	1.177	83.7	7.8	32.7	8.3	78.1	7	4	78.72

1490	Ark 0608-15	4.37	0.85	1.215	84.1	7.2	30.3	8.7	77.6	6.9	5	69.68
1441	FM 2484B2F	4.27	0.85	1.199	84.2	7.5	32.7	7.9	79.3	6.4	4	72.58
1470	PHY 575WRF	4.44	0.85	1.208	84.1	7.4	31	8.3	78.1	6.9	5	74.02
1489	Ark 0607-05	4.62	0.86	1.237	84.7	6.8	32.5	8.5	76.2	7.1	5	72.04
1483	FM 2334GLT	4.55	0.86	1.218	84.7	7	32.7	7.4	79.6	6.2	4	77.45
1496	DP 1311B2RF	4.87	0.86	1.164	84.4	7.2	32.2	8.5	77.2	6.1	5	78
1482	DP 1410B2RF	4.51	0.86	1.215	84.6	6.8	32.7	7.9	77.5	6.8	5	76.76
1491	DC 13-7	4.47	0.86	1.244	85.1	6.6	34.2	7.8	78.7	6.4	4	78.56
1492	DC F7 Bulk Population	4.71	0.86	1.206	84.3	6.7	33.3	8.2	77.8	6.7	4	76.61
1397	DP 1050B2RF	4.7	0.86	1.183	84.7	7.1	30.9	8.8	77.4	7.2	5	74.4
1474	FM 2322GL	4.42	0.86	1.198	83.8	7.5	33	7.5	78.1	6.8	4	74.25
1426	Phytogen 725RF	4.42	0.85	1.221	84.6	6.8	33.6	8.4	76.7	7.2	5	80.17
1487	PD 05069	4.46	0.86	1.231	84.9	6.6	32.8	8	78.8	6.5	4	70.63
1486	TAM 11K-13ELS	4.25	0.86	1.339	85.3	5.7	34.7	7.2	77.7	6.7	4	79.61

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1292	DP 393	.	.	.	.	.	.	.	.	.	.
1459	PHY 444WRF	0.92	1.1	19.2	6	1.31	164.4	4.1	0.93	140	6
1485	PX 4539-15WRF	0.91	1.08	17.9	5.5	1.28	177.3	3.7	0.93	138	6
1484	PX 4478-20WRF	0.92	1.09	17	5.2	1.29	174.7	3.6	0.92	124	7
1488	Ark 0615-49	0.91	1.08	17.9	5.5	1.29	180.7	3.1	0.98	108	6
1457	DP 1321B2RF	0.87	1.04	19.5	6.2	1.24	177.8	3.6	0.94	116	4
1436	DP 1219B2RF	0.85	1.03	21.5	7.2	1.23	173.1	3.7	0.95	139	6
1490	Ark 0608-15	0.87	1.06	21.8	7.1	1.27	170.7	4.1	0.93	147	8
1441	FM 2484B2F	0.86	1.05	21.1	6.8	1.26	166.4	3.9	0.95	150	7
1470	PHY 575WRF	0.88	1.06	20.2	6.6	1.27	168.6	3.9	0.93	134	7
1489	Ark 0607-05	0.91	1.09	18.5	5.7	1.3	178.3	3.2	0.96	124	6
1483	FM 2334GLT	0.9	1.08	18.8	6	1.29	168.1	3.3	0.96	125	7
1496	DP 1311B2RF	0.9	1.05	16.8	5.4	1.23	182.8	3.1	0.96	111	7
1482	DP 1410B2RF	0.9	1.08	18.7	5.9	1.28	171.8	3.3	0.96	125	8
1491	DC 13-7	0.94	1.11	17.7	5.3	1.32	173.9	3.6	0.95	134	9
1492	DC F7 Bulk Population	0.92	1.08	16.7	5.1	1.27	181.4	3.1	0.96	108	6
1397	DP 1050B2RF	0.9	1.06	17.4	5.6	1.25	178.7	3.2	0.95	122	5
1474	FM 2322GL	0.88	1.06	19.6	6.2	1.26	166.3	3.3	0.96	144	8
1426	Phytogen 725RF	0.91	1.08	18.1	5.6	1.28	171.4	3.3	0.96	139	8
1487	PD 05069	0.92	1.09	17.1	5.3	1.3	168.7	3.3	0.95	125	8
1486	TAM 11K-13ELS	0.96	1.17	19.7	5.9	1.42	164.9	3.7	0.95	162	11

REGIONAL HIGH QUALITY SUB REGION 71 ONLY

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1292	DP 393	1646	2165	43.2	10.3	5.75	19.35	2.91	0.75	0.89	1.64
1485	PX 4539-15WRF	1580	2169	41.3	11.2	5.63	20.45	3.12	0.62	0.69	1.32
1459	PHY 444WRF	1575	1886	44.7	10.3	5.24	20.12	3.31	0.65	0.59	1.24
1484	PX 4478-20WRF	1514	2162	41.3	10.1	5.09	21.96	3.43	0.66	0.77	1.42
1496	DP 1311B2RF	1449	1856	43	9.1	5.11	17.44	3.44	0.52	0.75	1.27
1488	Ark 0615-49	1446	2057	40.7	10.5	5.48	20.03	3.39	0.59	0.84	1.43
1436	DP 1219B2RF	1417	1923	42.3	9.4	5.12	19.08	3.26	0.51	0.68	1.18
1490	Ark 0608-15	1394	1959	40.5	10.8	5.58	20.14	3.29	0.64	0.93	1.56
1470	PHY 575WRF	1388	2011	40.6	10.2	4.94	21.22	3.26	0.59	0.56	1.15
1441	FM 2484B2F	1370	1768	42.6	10	4.92	20.74	3.42	0.54	0.77	1.31
1483	FM 2334GLT	1353	1722	43.9	9.1	5.13	15.05	3.49	0.42	0.6	1.01
1457	DP 1321B2RF	1346	1766	42.9	9.6	5.02	17.06	3.45	0.5	0.67	1.17
1489	Ark 0607-05	1341	1964	39.9	10.6	5.49	20.96	3.27	0.66	0.96	1.62
1491	DC 13-7	1317	1991	39.7	10.7	5.14	20.48	3.45	0.61	0.89	1.5
1482	DP 1410B2RF	1315	1969	40.2	10.7	5.79	20.64	3.23	0.62	0.75	1.37
1492	DC F7 Bulk Population	1270	1840	40.2	10	5.41	21	3.36	0.61	0.88	1.49
1397	DP 1050B2RF	1206	1520	43.6	10	5.2	17.63	3.54	0.56	0.76	1.33
1474	FM 2322GL	1187	1361	45.3	10	5.77	17.22	3.56	0.39	0.54	0.92
1426	Phytogen 725RF	1105	1708	38.5	11	5.48	21.24	3.37	0.51	0.66	1.17
1487	PD 05069	1034	1480	40.8	10	5.45	16.47	3.69	0.47	0.7	1.17
1486	TAM 11K-13ELS	945	1602	36.1	12.7	5.95	20.19	3.58	0.56	0.87	1.43
.	LSD	311	526	2.4	1.3	0.6	3.23	0.45	0.12	0.17	0.28

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1292	DP 393	.	.	.	.	.	.	.	.	.	.	.
1485	PX 4539-15WRF	4.55	0.85	1.229	85.8	6.6	32	8.8	78.8	6.7	4	72.37
1459	PHY 444WRF	4.19	0.85	1.27	86	6	31.4	8.3	78.7	6.7	5	76
1484	PX 4478-20WRF	4.48	0.85	1.236	86.1	6.2	32	9.5	77.6	6.2	5	71.27
1496	DP 1311B2RF	4.88	0.87	1.193	85.1	6.7	33	8.2	76.7	5.8	6	80.29
1488	Ark 0615-49	4.82	0.86	1.235	85.7	6.4	32.6	7.9	77.1	6.8	5	78.58
1436	DP 1219B2RF	4.59	0.86	1.2	84.3	7.3	33.1	8.3	77.8	6.9	5	78.99

	1490	Ark 0608-15	4.25	0.85	1.245	84.7	6.7	30.2	8.6	77	6.8	5	71.45
	1470	PHY 575WRF	4.33	0.85	1.236	84.5	7	31.4	8.1	77.5	6.8	5	73.33
	1441	FM 2484B2F	4.27	0.85	1.218	84.5	7.2	32.9	7.7	79	6.2	4	71.65
	1483	FM 2334GLT	4.52	0.86	1.242	85.3	6.5	33.4	7.2	79.4	6	5	78.43
	1457	DP 1321B2RF	4.71	0.85	1.187	84.2	7.5	31.3	9.2	78.7	6.9	4	72.57
	1489	Ark 0607-05	4.62	0.86	1.261	85.1	6.5	33.1	8.2	75.4	7	6	72.01
	1491	DC 13-7	4.5	0.86	1.268	85.6	6.1	34.8	7.8	78.2	6.3	5	78.82
	1482	DP 1410B2RF	4.45	0.86	1.218	84.7	6.8	32.4	7.9	76.7	6.8	5	76.41
	1492	DC F7 Bulk Population	4.72	0.86	1.204	84.3	6.8	33.1	8.1	77.3	6.6	5	75.96
	1397	DP 1050B2RF	4.69	0.86	1.195	84.9	7	31.2	8.5	77	7.1	5	75.25
	1474	FM 2322GL	4.4	0.86	1.223	84	7.1	33.3	7.1	77.6	6.6	4	74.24
	1426	Phytogen 725RF	4.34	0.85	1.242	84.9	6.6	34.6	8.2	76.1	7.1	5	81.79
	1487	PD 05069	4.38	0.86	1.256	85.1	6.4	33.4	7.5	78.8	6.3	4	69.79
	1486	TAM 11K-13ELS	4.17	0.86	1.39	85.9	5	35.5	6.9	77.3	6.5	4	77.69
.		LSD	0.26	0.01	0.042	1	0.7	1.7	0.9	1.8	0.6	1	12.34

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1292	DP 393	.	.	.	.	.	.	.	.	.	.
1485	PX 4539-15WRF	0.93	1.1	17.8	5.3	1.3	176.3	3.7	0.93	138	7
1459	PHY 444WRF	0.95	1.13	17.7	5.3	1.35	165.6	3.9	0.93	125	6
1484	PX 4478-20WRF	0.94	1.11	16.2	4.8	1.31	174.6	3.5	0.92	111	7
1496	DP 1311B2RF	0.93	1.09	15.2	4.6	1.27	182.2	2.8	0.96	94	8
1488	Ark 0615-49	0.93	1.1	17.1	5.1	1.31	184.5	2.8	0.99	97	6
1436	DP 1219B2RF	0.87	1.05	20.6	6.7	1.26	174.1	3.5	0.96	118	6
1490	Ark 0608-15	0.9	1.09	20.5	6.4	1.31	170.2	4	0.93	143	8
1470	PHY 575WRF	0.9	1.08	19.9	6.4	1.3	166.1	3.9	0.93	131	7
1441	FM 2484B2F	0.88	1.07	20.7	6.5	1.28	168.1	3.7	0.95	140	8
1483	FM 2334GLT	0.93	1.11	17.3	5.2	1.31	167.9	3	0.97	112	7
1457	DP 1321B2RF	0.87	1.04	19.5	6.2	1.24	177.8	3.6	0.94	116	4
1489	Ark 0607-05	0.93	1.11	17.8	5.3	1.32	180.5	2.9	0.97	111	7
1491	DC 13-7	0.96	1.14	16.6	4.8	1.35	176.8	3.3	0.96	120	10
1482	DP 1410B2RF	0.9	1.08	18.7	5.9	1.28	170.2	3.3	0.96	123	9
1492	DC F7 Bulk Population	0.92	1.08	16.5	5	1.28	182.6	3	0.96	96	6
1397	DP 1050B2RF	0.92	1.08	16.3	5.1	1.27	179.4	3	0.96	101	6
1474	FM 2322GL	0.89	1.07	19.3	6.1	1.28	165	3.3	0.97	141	9
1426	Phytogen 725RF	0.92	1.1	17.4	5.3	1.3	169.8	3.1	0.97	136	9
1487	PD 05069	0.94	1.12	16.7	5.1	1.33	167.2	3.2	0.96	114	9

1486	TAM 11K-13ELS	0.99	1.21	18.8	5.3	1.48	163.2	3.6	0.96	154	12
.	LSD	0.04	0.04	2.7	1	0.05	8.6	0.6	0.03	26	4

REGIONAL HIGH QUALITY SUB REGION 72 ONLY

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1459	PHY 444WRF	950	1127	46.1	8.9	4.82	19.55	3.22	0.48	0.71	1.19
1436	DP 1219B2RF	886	1089	44.7	7.6	4.78	18.58	3.44	0.43	0.58	1
1489	Ark 0607-05	865	1043	45.3	8.8	4.76	18.28	3.59	0.52	0.74	1.26
1482	DP 1410B2RF	864	1080	44.4	8.6	4.85	19.9	3.42	0.6	0.9	1.49
1487	PD 05069	850	1088	43.8	7.7	5.14	19.83	3.49	0.6	0.75	1.35
1490	Ark 0608-15	845	1119	43.1	9.3	4.8	19.48	3.48	0.47	0.67	1.14
1484	PX 4478-20WRF	827	1007	45.1	8.7	4.8	20.73	3.39	0.65	0.95	1.59
1441	FM 2484B2F	826	1062	43.8	8.8	4.72	20.54	3.47	0.49	0.7	1.19
1426	Phytogen 725RF	772	1036	42.7	9.3	4.86	20.06	3.49	0.6	0.91	1.51
1488	Ark 0615-49	756	1007	42.9	9.7	5.37	20.5	3.19	0.6	0.7	1.3
1492	DC F7 Bulk Population	747	1030	42.3	8.8	4.68	18.8	3.59	0.57	0.82	1.39
1485	PX 4539-15WRF	701	930	43	9	4.96	18.59	3.59	0.57	0.82	1.39
1483	FM 2334GLT	686	918	43.1	8	4.87	20.4	3.18	0.63	0.73	1.36
1486	TAM 11K-13ELS	673	992	40.6	10.7	4.85	18.93	3.34	0.42	0.57	0.99
1397	DP 1050B2RF	652	854	44	8.3	4.83	21.71	3.3	0.6	0.71	1.31
1470	PHY 575WRF	646	815	44.3	8.4	4.36	17.16	3.47	0.54	0.81	1.34
1474	FM 2322GL	626	780	44.4	9	5.16	18.94	3.51	0.48	0.66	1.14
1491	DC 13-7	604	814	42.6	9.6	4.91	15.65	3.69	0.38	0.62	1
1496	DP 1311B2RF	482	562	46.2	8	5.12	17.05	3.54	0.46	0.71	1.17

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	4.23	0.84	1.124	81.9	8.6	31	9	80	7.1	3	79.35
1436	DP 1219B2RF	4.29	0.85	1.06	80.7	10.1	31	8.3	79.6	7.8	2	77.39
1489	Ark 0607-05	4.59	0.85	1.116	82.8	8.4	29.6	9.8	80	7.5	2	72.15
1482	DP 1410B2RF	4.77	0.87	1.201	84	6.5	34.2	8.2	81.1	7.2	2	78.51
1487	PD 05069	4.89	0.85	1.108	83.9	7.5	30.2	10.4	78.8	7.1	3	74.81
1490	Ark 0608-15	4.97	0.86	1.064	81	10	30.4	9.5	80.5	7.5	3	60.84
1484	PX 4478-20WRF	4.6	0.85	1.124	82.7	8.7	29	9.1	79.7	7.9	3	69.08

1441	FM 2484B2F	4.3	0.85	1.102	82.4	8.7	31.8	8.9	80.9	7.3	4	77.22
1426	Phytogen 725RF	4.82	0.85	1.115	83	7.8	29	9.2	79.7	7.7	3	72.03
1488	Ark 0615-49	4.31	0.84	1.142	82.3	8.6	29.4	8.9	80.8	7	4	75.86
1492	DC F7 Bulk Population	4.68	0.86	1.216	84.4	6.2	33.8	8.4	80.3	7	4	79.82
1485	PX 4539-15WRF	5.3	0.87	1.104	83.8	7.4	29.8	9.5	79.5	7.8	2	70.42
1483	FM 2334GLT	4.7	0.86	1.096	82.1	9.6	29.6	8.6	80.4	7.1	3	72.6
1486	TAM 11K-13ELS	4.67	0.86	1.085	82.5	8.9	30.9	8.4	79.9	7.7	2	89.23
1397	DP 1050B2RF	4.73	0.85	1.123	83.7	7.7	29.7	10.4	79.8	7.6	3	70.16
1470	PHY 575WRF	4.99	0.86	1.067	81.9	9.3	29	9.2	81	7.4	4	77.48
1474	FM 2322GL	4.51	0.85	1.076	82.6	9.4	31.7	9	80.7	7.7	3	74.33
1491	DC 13-7	4.29	0.85	1.124	82.3	8.7	30.9	8	81.1	7	2	77.28
1496	DP 1311B2RF	4.84	0.86	1.079	82.2	8.6	29.8	9.5	78.7	6.9	4	71.12

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1459	PHY 444WRF	0.77	0.95	26.5	9.5	1.14	158.7	5	0.92	218	5
1436	DP 1219B2RF	0.76	0.92	26	9.7	1.1	168	4.8	0.93	245	6
1489	Ark 0607-05	0.82	0.99	22	7.4	1.17	167.5	5.1	0.9	192	5
1482	DP 1410B2RF	0.9	1.07	18.5	5.7	1.27	179.5	3.6	0.97	136	5
1487	PD 05069	0.83	0.98	19	6.3	1.15	176.2	4.1	0.91	181	3
1490	Ark 0608-15	0.73	0.9	28	10.6	1.09	173.3	4.3	0.93	172	9
1484	PX 4478-20WRF	0.82	0.99	21	7	1.18	175.2	4.1	0.92	192	5
1441	FM 2484B2F	0.8	0.97	23	8.5	1.16	158	4.7	0.92	201	5
1426	Phytogen 725RF	0.82	0.99	21.5	6.8	1.17	179.4	4.1	0.92	154	5
1488	Ark 0615-49	0.82	1	22	7.7	1.19	162	4.9	0.9	161	5
1492	DC F7 Bulk Population	0.89	1.06	17.5	5.5	1.26	175.7	3.5	0.96	164	6
1485	PX 4539-15WRF	0.84	0.99	18.5	6.2	1.15	182.3	3.8	0.93	139	3
1483	FM 2334GLT	0.77	0.95	26.5	9.8	1.14	168.7	4.6	0.92	193	5
1486	TAM 11K-13ELS	0.77	0.93	24	8.8	1.11	173.4	4.1	0.94	206	4
1397	DP 1050B2RF	0.8	0.97	23	8	1.15	175.3	4.6	0.91	227	4
1470	PHY 575WRF	0.79	0.95	21.5	7.5	1.12	181	4	0.93	148	3
1474	FM 2322GL	0.81	0.97	21	6.8	1.14	173.3	3.7	0.93	163	1
1491	DC 13-7	0.81	0.99	23	8	1.19	159.7	4.7	0.93	205	3
1496	DP 1311B2RF	0.8	0.95	21.5	7.9	1.12	184.5	3.8	0.94	164	5

REGIONIONAL HIGH QUALITY SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
COLLEGE STATION, TX	1770	2481	40.5	10	5.6	20.04	3.19	0.59	0.76	1.35
LAS CRUCES, NM	1762	2242	44.1	.	5.54	21.29	3.04	0.68	0.85	1.53
STONEVILLE, MS	1509	1989	43	10.1	5.45	20.1	3.09	0.65	0.83	1.48
KEISER, AR	1124	1612	40.5	10.6	4.91	18.54	3.76	0.5	0.65	1.15
PORTAGEVILLE, MO	926	1447	39.1	10.4	.	17.98	3.58	0.47	0.66	1.13
SAINT JOSEPH, LA	900	1298	41	10.5	5.33	19.27	3.67	0.5	0.72	1.22
FLORENCE, SC	750	966	43.8	8.8	4.87	19.19	3.44	0.53	0.74	1.27

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
COLLEGE STATION, TX	4.21	0.85	1.253	85.3	6.4	32.5	7.5	75	6.2	7	73.33
LAS CRUCES, NM	4.61	0.85	1.254	84.9	6.6	31.8	9.4	79.3	7.3	4	71.89
STONEVILLE, MS	.	.	.	.	.	.	.	.	.	.	.
KEISER, AR	4.24	0.85	1.263	86	6	32.7	8.1	80.9	6.7	3	79.94
PORTAGEVILLE, MO	4.35	0.85	1.208	84.2	7.1	33.9	7.9	76.7	7.7	5	78.52
SAINT JOSEPH, LA	5	0.87	1.216	84.8	7	32.8	7.5	76.2	5.3	5	72.57
FLORENCE, SC	4.65	0.85	1.112	82.6	8.4	30.5	9.1	80.1	7.4	3	74.72

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
COLLEGE STATION, TX	0.93	1.11	18.2	5.5	1.32	169	3.4	0.95	131	15
LAS CRUCES, NM	0.89	1.08	20.8	6.7	1.31	174.4	3.7	0.94	122	4
STONEVILLE, MS	.	.	.	.	.	.	.	.	.	.
KEISER, AR	0.98	1.14	15	4.4	1.34	169.1	3.2	0.95	95	5
PORTAGEVILLE, MO	0.89	1.07	19.2	5.9	1.27	174.6	3.5	0.97	170	11
SAINT JOSEPH, LA	0.92	1.09	17.4	5.3	1.29	177.1	3.1	0.96	92	3
FLORENCE, SC	0.81	0.97	22.3	7.7	1.16	172.2	4.3	0.92	182	4

REGIONAL HIGH QUALITY - INDIVIDUAL LOCATION SUMMARIES

LOCATION=COLLEGE STATION, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1459	PHY 444WRF	2191	2438	44.3	10	5.36	20.6	3.28	0.64	0.55	1.19
1436	DP 1219B2RF	2185	3275	42.5	8.6	5.25	19.73	3.24	0.47	0.59	1.06
1485	PX 4539-15WRF	2088	2870	38.5	11.9	6.01	21.12	3.04	0.58	0.59	1.17
1470	PHY 575WRF	1988	3044	39.3	9.8	5.6	21.91	3.16	0.56	0.49	1.05
1484	PX 4478-20WRF	1945	3064	40.1	9.4	4.95	21.92	3.2	0.66	0.8	1.46
1491	DC 13-7	1924	3036	37.9	9.9	4.89	20.7	3.11	0.67	0.98	1.65
1496	DP 1311B2RF	1916	2476	43.6	8.6	5.68	14	3.24	0.52	0.72	1.24
1483	FM 2334GLT	1874	2519	43.2	9.3	5.36	13.91	3.44	0.38	0.52	0.9
1488	Ark 0615-49	1861	2641	39.7	10.2	5.97	21.35	3	0.63	0.91	1.53
1441	FM 2484B2F	1809	2207	42.7	9.9	5.18	23.89	3.01	0.65	0.92	1.56
1490	Ark 0608-15	1773	2286	39.5	10.6	5.83	21.28	2.92	0.68	0.99	1.67
1482	DP 1410B2RF	1757	2912	38.7	10.5	6.23	21.54	3.19	0.64	0.69	1.33
1397	DP 1050B2RF	1696	2184	43.6	9.5	5.54	15.56	3.77	0.54	0.66	1.2
1489	Ark 0607-05	1693	2290	39.6	10.7	5.88	22.6	3.09	0.8	1.21	2.01
1474	FM 2322GL	1512	1569	44.9	8.9	5.57	17.23	3.18	0.36	0.48	0.83
1487	PD 05069	1494	2413	38.7	9.9	5.8	17.48	3.61	0.52	0.7	1.22
1492	DC F7 Bulk Population	1360	1965	38.7	10.2	5.68	22.58	2.95	0.73	1.04	1.76
1426	Phytogen 725RF	1324	1915	38.1	10.7	5.85	22.21	2.97	0.55	0.72	1.27
1486	TAM 11K-13ELS	1242	2036	36.1	11.2	5.85	21.14	3.33	0.59	0.96	1.55
.	LSD	471	1006	1.8	1.5	0.83	1.05	0.43	0.07	0.1	0.16

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	3.86	0.85	1.281	85.5	6	31.8	7.3	76.8	6.2	7	67.81
1436	DP 1219B2RF	4.37	0.86	1.208	83.6	7.7	33	7.1	74.8	5.9	8	72.54
1485	PX 4539-15WRF	4.27	0.85	1.259	86.6	6.3	31.8	7.7	77.3	6.5	6	69.32
1470	PHY 575WRF	4.07	0.85	1.232	84.2	7.4	30.4	7.9	75.2	6.2	6	61.36
1484	PX 4478-20WRF	4.22	0.84	1.256	86.5	6.1	32	9.4	74.4	6	8	70.02
1491	DC 13-7	4.12	0.85	1.22	85.6	6.5	34.1	7.8	75.1	5.7	8	80.09
1496	DP 1311B2RF	4.57	0.85	1.189	85.3	6.8	30.1	9.4	73.7	5.5	8	72.35
1483	FM 2334GLT	4.42	0.86	1.27	85.7	6.1	33.2	6.7	77.6	5.5	6	75.52
1488	Ark 0615-49	4.76	0.87	1.242	86.9	6.1	33.3	7.2	77	6.4	7	79.03
1441	FM 2484B2F	4.01	0.86	1.245	85.3	6.6	34.7	6.7	76.2	5.5	7	79.14
1490	Ark 0608-15	3.91	0.84	1.264	85.5	6.1	29.9	8.3	75.1	6.1	7	67.91
1482	DP 1410B2RF	3.92	0.85	1.276	84.5	6.3	31.8	6.8	74.1	6.2	8	72.44
1397	DP 1050B2RF	4.47	0.86	1.202	84.9	7	29.3	8.3	76.2	6.8	7	62.72

1489	Ark 0607-05	4.62	0.87	1.275	85.9	5.7	32.3	7.3	72.7	6.4	8	71.68
1474	FM 2322GL	4.27	0.87	1.206	83.3	7.8	33	6.1	74.5	6.6	6	82.13
1487	PD 05069	4	0.85	1.286	85.6	5.8	33.6	7	75	6	7	84.24
1492	DC F7 Bulk Population	4.38	0.86	1.222	84.7	6.6	32.4	7.6	75	7	7	76.82
1426	Phytogen 725RF	4.19	0.85	1.258	84.7	6.4	35.3	7.8	72	7.2	7	73.72
1486	TAM 11K-13ELS	3.53	0.85	1.416	86.7	4.9	36.3	6.1	73.1	6	8	74.43
.	LSD	0.37	0.01	0.034	1.4	0.8	1.9	0.5	3	0.6	2	8.04

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1459	PHY 444WRF	0.92	1.12	20.5	6.2	1.36	159.2	4.3	0.92	142	11
1436	DP 1219B2RF	0.84	1.03	24	8	1.26	169.4	3.6	0.96	128	10
1485	PX 4539-15WRF	0.97	1.15	16	4.5	1.35	173.2	3.4	0.94	134	7
1470	PHY 575WRF	0.88	1.08	21.5	6.9	1.31	159.4	4.6	0.9	137	13
1484	PX 4478-20WRF	0.96	1.12	15.5	4.4	1.32	172.7	3.3	0.92	133	17
1491	DC 13-7	0.94	1.1	15.5	4.5	1.29	171.2	3.4	0.95	158	18
1496	DP 1311B2RF	0.89	1.06	19	5.9	1.25	179.2	3.5	0.92	131	17
1483	FM 2334GLT	0.96	1.14	16	4.7	1.36	164	2.9	0.96	109	14
1488	Ark 0615-49	0.94	1.11	16.5	4.8	1.31	191.5	2	1.03	66	6
1441	FM 2484B2F	0.9	1.09	19.5	5.8	1.31	166.9	3.3	0.98	132	19
1490	Ark 0608-15	0.91	1.11	20.5	6.1	1.33	167.7	4.1	0.93	125	16
1482	DP 1410B2RF	0.9	1.11	20.5	6.4	1.35	159.4	3.8	0.95	134	12
1397	DP 1050B2RF	0.93	1.09	16	4.9	1.29	178.3	3.3	0.94	89	9
1489	Ark 0607-05	0.98	1.15	16	4.3	1.36	185	2.5	0.98	125	17
1474	FM 2322GL	0.88	1.06	19.5	6.3	1.27	157.2	3	0.97	138	16
1487	PD 05069	0.98	1.15	15	4.4	1.36	162.2	3.2	0.95	117	18
1492	DC F7 Bulk Population	0.91	1.09	19	5.7	1.29	176.2	3.3	0.94	128	15
1426	Phytogen 725RF	0.91	1.1	18.5	5.6	1.31	169.9	3.2	0.98	170	22
1486	TAM 11K-13ELS	1.04	1.26	17.5	4.5	1.53	149.7	3.5	0.95	198	30
.	LSD	0.05	0.04	3.8	1.4	0.04	8	0.8	0.03	59	11

LOCATION=SAINT JOSEPH, LA

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1484	PX 4478-20WRF	1239	1670	42.6	10.4	5.11	21.57	3.81	0.61	0.77	1.38

1485	PX 4539-15WRF	1192	1720	41	11.1	5.43	20.11	3.5	0.56	0.64	1.19	
1490	Ark 0608-15	1156	1668	40.9	10.8	5.56	18.17	3.62	0.57	0.88	1.44	
1482	DP 1410B2RF	1087	1685	39.2	10.9	5.74	20.44	3.51	0.51	0.75	1.26	
1492	DC F7 Bulk Population	1017	1519	40.1	9.9	5.29	21.35	3.64	0.55	0.84	1.39	
1459	PHY 444WRF	976	1189	45.1	10.5	5.27	19.31	3.53	0.58	0.54	1.12	
1496	DP 1311B2RF	892	1372	39.4	11.2	5.49	20.55	3.59	0.47	0.7	1.17	
1489	Ark 0607-05	892	1313	40.4	10.5	5.34	20.09	3.79	0.64	1	1.63	
1488	Ark 0615-49	877	1301	40.3	10	5.06	19.91	3.58	0.53	0.8	1.33	
1441	FM 2484B2F	871	1183	42.4	10.4	4.87	20.95	3.83	0.49	0.75	1.24	
1474	FM 2322GL	859	1032	45.5	10.1	5.43	16.16	4.12	0.3	0.48	0.78	
1470	PHY 575WRF	854	1247	40.7	10.4	5.11	21.47	3.68	0.52	0.49	1	
1457	DP 1321B2RF	845	1061	44.4	8.7	4.79	14.39	3.36	0.47	0.74	1.21	
1436	DP 1219B2RF	845	1290	39.6	11.1	5.78	20.49	3.59	0.54	0.78	1.32	
1487	PD 05069	823	1172	41.4	9.6	5.19	15.97	3.89	0.4	0.67	1.06	
1483	FM 2334GLT	817	1057	43.6	9.5	4.86	13.95	3.86	0.36	0.56	0.92	
1397	DP 1050B2RF	763	1166	39.6	11	5.72	20.1	3.24	0.5	0.74	1.24	
1486	TAM 11K-13ELS	718	1291	35.8	12.2	5.99	20.29	3.88	0.53	0.87	1.4	
1491	DC 13-7	680	1032	39.8	10.7	4.98	20.16	3.83	0.55	0.86	1.41	
1426	Phytogen 725RF	607	995	37.9	10.9	5.54	20.06	3.53	0.44	0.6	1.04	
.	LSD	175	260	0.7	0.7	0.36	1.3	0.26	0.05	0.05	0.09	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1484	PX 4478-20WRF	5.13	0.86	1.213	86.5	6.3	31.5	9.9	76.3	4.2	7	65.1
1485	PX 4539-15WRF	5.26	0.87	1.202	85.5	7.1	32	8.2	77	4.9	5	66.66
1490	Ark 0608-15	4.62	0.86	1.218	83.7	7.6	30.2	8.1	75.9	6	4	67.32
1482	DP 1410B2RF	5.13	0.88	1.207	85.7	6.7	33.4	7.4	74.7	5.7	7	71.71
1492	DC F7 Bulk Population	5.34	0.89	1.142	82.1	8.3	32.2	7.2	78.5	5.7	4	64.22
1459	PHY 444WRF	4.5	0.86	1.255	85.7	6.5	30.8	7.6	76.8	5.7	7	70.05
1496	DP 1311B2RF	5.23	0.88	1.191	84.7	6.9	36	7.5	76.9	4.9	7	77.48
1489	Ark 0607-05	5.06	0.87	1.214	84	7.4	31.5	7.7	72.7	5.6	8	78.48
1488	Ark 0615-49	5.41	0.88	1.215	85.1	6.8	32.5	7.6	74.3	5.8	6	76.14
1441	FM 2484B2F	4.72	0.87	1.206	84.6	7.6	32.6	7	75.3	5.2	5	77.02
1474	FM 2322GL	4.59	0.87	1.174	83.5	7.5	32.9	6.5	78.4	5.4	4	73.56
1470	PHY 575WRF	4.82	0.87	1.229	84.3	7.2	30.9	7.7	76.3	6.2	5	66.47
1457	DP 1321B2RF	5.2	0.87	1.143	83	8.4	28.3	8.7	77.6	5	6	64.63
1436	DP 1219B2RF	5.19	0.88	1.203	84.9	7	34.8	7.8	75.9	6	5	74.89
1487	PD 05069	5.18	0.88	1.246	85.1	7.2	32.3	6.9	77.9	4.8	5	75.54
1483	FM 2334GLT	4.99	0.88	1.22	85.4	6.7	33.2	6.5	77.7	4	6	76.48
1397	DP 1050B2RF	5.03	0.87	1.208	85.7	6.4	33.7	7.6	73.4	5.4	7	77.36

1486	TAM 11K-13ELS	4.71	0.88	1.409	86.1	5	38	6.1	78	5	3	73.41
1491	DC 13-7	5.01	0.87	1.197	85.6	6.5	35	7.3	78.5	4.6	5	75.74
1426	Phytogen 725RF	4.85	0.87	1.238	85.3	6.6	34.3	7.9	73.2	6.1	7	79.23
.	LSD	0.3	0.01	0.036	1.3	0.8	2.1	0.5	1.9	0.8	2	9.41

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1484	PX 4478-20WRF	0.95	1.1	15	4.4	1.29	181.4	3.3	0.91	84	5
1485	PX 4539-15WRF	0.89	1.06	19.5	6	1.26	186.4	3.5	0.95	127	2
1490	Ark 0608-15	0.87	1.06	21.5	6.8	1.29	174.7	4.2	0.93	121	4
1482	DP 1410B2RF	0.91	1.07	16.5	5.1	1.26	182.8	2.4	1	110	3
1492	DC F7 Bulk Population	0.91	1.07	16.5	5.1	1.26	188.3	2.9	0.97	52	4
1459	PHY 444WRF	0.96	1.13	17	4.9	1.34	166.5	3.7	0.93	105	3
1496	DP 1311B2RF	0.94	1.1	14	4.3	1.28	178.2	2.6	0.98	69	3
1489	Ark 0607-05	0.92	1.09	19	5.8	1.3	185.8	2.9	0.96	77	1
1488	Ark 0615-49	0.92	1.08	17.5	5.3	1.29	183.7	2.8	0.99	83	4
1441	FM 2484B2F	0.89	1.08	20.5	6.5	1.3	168	3.7	0.95	104	3
1474	FM 2322GL	0.89	1.06	18	5.8	1.25	167.2	2.8	0.99	105	6
1470	PHY 575WRF	0.9	1.08	19	6.1	1.3	172.9	3.6	0.93	98	4
1457	DP 1321B2RF	0.83	1	21.5	7.1	1.2	176.7	4.1	0.9	111	2
1436	DP 1219B2RF	0.92	1.08	17	5.3	1.27	178.4	2.8	0.98	86	3
1487	PD 05069	0.95	1.12	15.5	4.7	1.34	175.4	2.8	0.98	87	8
1483	FM 2334GLT	0.92	1.08	17	5.2	1.29	175.7	2.7	0.99	72	1
1397	DP 1050B2RF	0.92	1.08	16	5.1	1.27	179.5	2.6	0.98	100	3
1486	TAM 11K-13ELS	1	1.23	19	5.4	1.49	165.7	3.7	0.96	106	6
1491	DC 13-7	0.98	1.12	12.5	3.6	1.29	185.9	2.6	0.98	67	4
1426	Phytogen 725RF	0.94	1.1	15.5	4.7	1.3	168.7	3	0.95	82	3
.	LSD	0.04	0.03	2.7	1.1	0.04	12	1	0.04	54	5

LOCATION=STONEVILLE, MS

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1459	PHY 444WRF	1770	2044	46.4	10.2	5.17	21.16	2.85	0.78	0.7	1.48
1485	PX 4539-15WRF	1721	2295	42.9	10.6	5.58	20.92	2.66	0.77	0.85	1.62
1490	Ark 0608-15	1695	2316	42.3	10.1	5.65	20.5	2.94	0.63	0.95	1.57

1436	DP 1219B2RF	1674	2178	43.5	8.8	4.98	18.79	2.95	0.61	0.75	1.36	
1397	DP 1050B2RF	1650	1898	46.5	9.5	5.34	17.2	3.35	0.69	0.89	1.58	
1292	DP 393	1646	2165	43.2	10.3	5.75	19.35	2.91	0.75	0.89	1.64	
1496	DP 1311B2RF	1641	1840	47.2	8	4.83	15.55	3.25	0.58	0.83	1.4	
1483	FM 2334GLT	1625	1900	46.1	8.7	5.31	16.14	3.21	0.51	0.68	1.18	
1441	FM 2484B2F	1616	2027	44.4	9.8	5.08	22.17	3.12	0.6	0.83	1.42	
1492	DC F7 Bulk Population	1598	2189	42.2	10	5.52	21.56	3.17	0.7	1	1.69	
1470	PHY 575WRF	1598	2193	42.2	10.2	5.13	21.8	2.85	0.7	0.6	1.3	
1484	PX 4478-20WRF	1569	2119	42.6	10.4	5.27	24.35	2.95	0.75	0.91	1.66	
1489	Ark 0607-05	1554	2176	41.7	10.4	5.47	21.55	2.85	0.73	1.09	1.82	
1488	Ark 0615-49	1548	2086	42.6	10.5	5.68	20.73	2.92	0.68	0.97	1.64	
1491	DC 13-7	1441	2073	41	10.4	5.42	20.98	3.42	0.7	0.99	1.69	
1482	DP 1410B2RF	1379	1857	42.6	9.9	5.96	21.1	2.94	0.75	0.85	1.6	
1474	FM 2322GL	1303	1490	46.7	9.8	5.95	17.36	3.56	0.4	0.56	0.96	
1426	Phytogen 725RF	1134	1678	40.3	10.5	5.71	21.67	3.13	0.53	0.68	1.21	
1487	PD 05069	1043	1559	40.1	10.4	5.48	17.58	3.29	0.55	0.78	1.32	
1486	TAM 11K-13ELS	981	1704	36.6	12.8	5.8	21.61	3.56	0.63	0.94	1.56	
.	LSD	122	155	0.3	0.4	0.28	0.24	0.08	0.02	0.02	0.03	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	.	.	.	.	.	.	.	.	.	.	.
1485	PX 4539-15WRF	.	.	.	.	.	.	.	.	.	.	.
1490	Ark 0608-15	.	.	.	.	.	.	.	.	.	.	.
1436	DP 1219B2RF	.	.	.	.	.	.	.	.	.	.	.
1397	DP 1050B2RF	.	.	.	.	.	.	.	.	.	.	.
1292	DP 393	.	.	.	.	.	.	.	.	.	.	.
1496	DP 1311B2RF	.	.	.	.	.	.	.	.	.	.	.
1483	FM 2334GLT	.	.	.	.	.	.	.	.	.	.	.
1441	FM 2484B2F	.	.	.	.	.	.	.	.	.	.	.
1492	DC F7 Bulk Population	.	.	.	.	.	.	.	.	.	.	.
1470	PHY 575WRF	.	.	.	.	.	.	.	.	.	.	.
1484	PX 4478-20WRF	.	.	.	.	.	.	.	.	.	.	.
1489	Ark 0607-05	.	.	.	.	.	.	.	.	.	.	.
1488	Ark 0615-49	.	.	.	.	.	.	.	.	.	.	.
1491	DC 13-7	.	.	.	.	.	.	.	.	.	.	.
1482	DP 1410B2RF	.	.	.	.	.	.	.	.	.	.	.
1474	FM 2322GL	.	.	.	.	.	.	.	.	.	.	.
1426	Phytogen 725RF	.	.	.	.	.	.	.	.	.	.	.
1487	PD 05069	.	.	.	.	.	.	.	.	.	.	.

	1486	TAM 11K-13ELS	.	.	.	.	.	.	.	.	.	.	.
.		LSD	.	.	.	.	.	.	.	.	.	.	.

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1459	PHY 444WRF	.	.	.	.	.	.	.	.	.	.
1485	PX 4539-15WRF	.	.	.	.	.	.	.	.	.	.
1490	Ark 0608-15	.	.	.	.	.	.	.	.	.	.
1436	DP 1219B2RF	.	.	.	.	.	.	.	.	.	.
1397	DP 1050B2RF	.	.	.	.	.	.	.	.	.	.
1292	DP 393	.	.	.	.	.	.	.	.	.	.
1496	DP 1311B2RF	.	.	.	.	.	.	.	.	.	.
1483	FM 2334GLT	.	.	.	.	.	.	.	.	.	.
1441	FM 2484B2F	.	.	.	.	.	.	.	.	.	.
1492	DC F7 Bulk Population	.	.	.	.	.	.	.	.	.	.
1470	PHY 575WRF	.	.	.	.	.	.	.	.	.	.
1484	PX 4478-20WRF	.	.	.	.	.	.	.	.	.	.
1489	Ark 0607-05	.	.	.	.	.	.	.	.	.	.
1488	Ark 0615-49	.	.	.	.	.	.	.	.	.	.
1491	DC 13-7	.	.	.	.	.	.	.	.	.	.
1482	DP 1410B2RF	.	.	.	.	.	.	.	.	.	.
1474	FM 2322GL	.	.	.	.	.	.	.	.	.	.
1426	Phytogen 725RF	.	.	.	.	.	.	.	.	.	.
1487	PD 05069	.	.	.	.	.	.	.	.	.	.
1486	TAM 11K-13ELS	.	.	.	.	.	.	.	.	.	.
.	LSD	.	.	.	.	.	.	.	.	.	.

LOCATION=PORTAGEVILLE, MO

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1488	Ark 0615-49	1180	1887	38.5	10.5	.	17.57	3.84	0.47	0.67	1.14
1436	DP 1219B2RF	1104	1635	40.3	9.4	.	18.12	3.53	0.43	0.64	1.07
1457	DP 1321B2RF	1076	1648	39.5	10	.	17.21	3.71	0.49	0.65	1.14
1489	Ark 0607-05	1051	1771	37.3	10.8	.	18.6	3.64	0.53	0.78	1.31
1492	DC F7 Bulk Population	1018	1637	38.3	9.4	.	18.6	3.36	0.47	0.73	1.2

1483	FM 2334GLT	1010	1487	40.5	9	.	12.83	3.43	0.36	0.57	0.93	
1485	PX 4539-15WRF	1009	1514	40	10.7	.	18.4	3.05	0.47	0.56	1.03	
1490	Ark 0608-15	990	1613	38	10.9	.	18.94	3.79	0.48	0.78	1.26	
1426	Phytogen 725RF	976	1716	36.3	11.6	.	18.82	3.86	0.42	0.55	0.97	
1482	DP 1410B2RF	965	1590	37.8	10.7	.	20.55	3.38	0.61	0.75	1.36	
1484	PX 4478-20WRF	959	1459	39.8	10.8	.	20.47	3.77	0.55	0.7	1.25	
1459	PHY 444WRF	937	1253	42.8	10	.	17.58	3.64	0.54	0.52	1.06	
1491	DC 13-7	906	1526	37.3	11.5	.	19.04	3.26	0.52	0.78	1.3	
1441	FM 2484B2F	887	1359	39.5	9.6	.	19.76	3.53	0.42	0.63	1.04	
1470	PHY 575WRF	851	1374	38.3	9.8	.	19.89	3.61	0.5	0.52	1.02	
1474	FM 2322GL	848	1148	42.5	10.5	.	15.09	3.52	0.33	0.5	0.83	
1397	DP 1050B2RF	683	978	41.3	10	.	15.44	4.01	0.49	0.73	1.22	
1487	PD 05069	650	940	41.3	9.6	.	15.79	3.56	0.41	0.69	1.1	
1486	TAM 11K-13ELS	488	962	33.5	14	.	18.99	3.51	0.47	0.76	1.23	
.	LSD	158	240	2.1	0.8	.	1.3	0.3	0.04	0.05	0.08	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1488	Ark 0615-49	4.56	0.86	1.208	84.8	7	33.5	7.5	75.1	8	5	91.87
1436	DP 1219B2RF	4.61	0.86	1.144	83	8.2	33.3	8.1	76.5	8	5	85.4
1457	DP 1321B2RF	4.49	0.85	1.156	83.5	7.3	33	9.1	76	8.3	5	76.31
1489	Ark 0607-05	4.38	0.86	1.24	84.4	7.1	33.3	7.9	74.3	8.1	6	87.05
1492	DC F7 Bulk Population	4.3	0.85	1.179	83.8	7.2	34.1	8.3	74	6.8	6	89.91
1483	FM 2334GLT	4.53	0.86	1.211	84.6	7.1	34.1	7.3	80.1	6.8	4	89.43
1485	PX 4539-15WRF	4.28	0.85	1.171	84	7.5	34.3	8.3	78.2	7.9	4	85.99
1490	Ark 0608-15	3.98	0.84	1.22	83.9	7.5	31.2	8.2	76.2	8	5	85.76
1426	Phytogen 725RF	4.46	0.86	1.239	84.7	6.9	35.1	7.9	74.6	7.9	6	88.06
1482	DP 1410B2RF	4.32	0.86	1.191	83.8	7.7	34.3	7.2	76.3	8	6	88.11
1484	PX 4478-20WRF	4.52	0.85	1.195	84.6	6.8	33.9	8.8	77	7.1	5	81.57
1459	PHY 444WRF	4.3	0.85	1.199	85.4	6.7	33.5	8.9	78.4	7.4	5	89.87
1491	DC 13-7	4.26	0.86	1.253	84	6.7	35.4	7.6	77.2	7	6	83.59
1441	FM 2484B2F	4.25	0.86	1.183	84	7.4	35.1	7.4	78.8	7.7	4	51.57
1470	PHY 575WRF	4.32	0.85	1.194	84.4	7.3	32.5	8.4	77.6	7.7	5	80.1
1474	FM 2322GL	4.36	0.86	1.212	82.9	7.6	34.8	6.8	76.5	7.4	4	42.95
1397	DP 1050B2RF	4.57	0.85	1.141	84	7.3	30.6	8.6	76	8.7	4	74.57
1487	PD 05069	4.16	0.85	1.212	84.3	7.1	35.3	8.1	79	7.8	5	44.64
1486	TAM 11K-13ELS	4.07	0.86	1.399	85.3	5	37.1	6.7	75.1	7.4	6	75.11
.	LSD	0.38	0.01	0.031	1.2	0.9	2.1	0.9	1.8	0.8	2	50.36

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
1488	Ark 0615-49	0.9	1.08	18	5.4	1.27	184	3.1	1	152	8
1436	DP 1219B2RF	0.85	1.03	21.5	7	1.22	182	3.1	1	131	7
1457	DP 1321B2RF	0.84	1.01	20.5	6.7	1.2	180.8	3.8	0.96	168	8
1489	Ark 0607-05	0.89	1.09	21.5	6.4	1.31	176.5	3.6	0.98	183	8
1492	DC F7 Bulk Population	0.9	1.06	17.5	5.5	1.25	171.7	3.7	0.94	133	11
1483	FM 2334GLT	0.94	1.11	16	4.7	1.29	175.3	2.9	1	147	9
1485	PX 4539-15WRF	0.87	1.04	20.5	6.3	1.23	176.5	4	0.96	191	9
1490	Ark 0608-15	0.88	1.07	20.5	6.4	1.28	168.9	3.7	0.96	217	13
1426	Phytogen 725RF	0.93	1.1	17	5.1	1.3	180	2.8	1.01	179	10
1482	DP 1410B2RF	0.88	1.07	21	6.8	1.28	167	3.7	0.97	172	18
1484	PX 4478-20WRF	0.89	1.05	17.5	5.7	1.23	180.9	3.4	0.98	129	5
1459	PHY 444WRF	0.9	1.07	19	6	1.26	171	3.8	0.95	184	11
1491	DC 13-7	0.91	1.1	21	6.1	1.31	174.2	4.4	0.94	172	20
1441	FM 2484B2F	0.87	1.04	18.5	6	1.23	173.8	3.1	0.99	166	9
1470	PHY 575WRF	0.9	1.07	18.5	5.8	1.26	171	3.4	0.96	162	10
1474	FM 2322GL	0.88	1.06	20	6.2	1.27	166.9	3.2	1	199	15
1397	DP 1050B2RF	0.87	1.03	18.5	6	1.21	181.5	3.3	0.97	145	11
1487	PD 05069	0.93	1.09	16	4.8	1.29	172.5	3	0.99	172	11
1486	TAM 11K-13ELS	0.99	1.23	21	5.7	1.5	162.9	4	0.98	226	20
.	LSD	0.04	0.04	2.9	1.2	0.04	4.6	0.8	0.03	43	8

LOCATION=LAS CRUCES, NM

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITROGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1459	PHY 444WRF	2214	2540	46.6	.	5.58	21.71	2.98	0.79	0.71	1.5
1484	PX 4478-20WRF	2102	2738	43.5	.	5.37	23.29	2.95	0.74	0.83	1.57
1457	DP 1321B2RF	2094	2552	45.1	.	5.47	18.99	3.14	0.67	0.78	1.45
1485	PX 4539-15WRF	2013	2562	44.1	.	5.59	22.7	2.57	0.73	0.79	1.52
1441	FM 2484B2F	1902	2288	45.6	.	5.05	23.19	3.17	0.65	0.83	1.48
1488	Ark 0615-49	1832	2471	42.6	.	5.89	21.6	2.99	0.7	0.93	1.62
1470	PHY 575WRF	1797	2297	43.9	.	4.79	23.28	2.84	0.72	0.65	1.37
1436	DP 1219B2RF	1765	1960	47.4	.	4.78	20.73	2.66	0.63	0.78	1.41
1491	DC 13-7	1759	2464	41.7	.	5.57	22.5	3.28	0.72	0.97	1.69

1489	Ark 0607-05	1756	2403	42.2	.	5.81	21.75	2.83	0.84	1.11	1.95	
1474	FM 2322GL	1714	1812	48.7	.	6.15	17.76	3.48	0.4	0.59	0.99	
1483	FM 2334GLT	1703	1913	47.2	.	5.22	17.73	3.03	0.52	0.72	1.24	
1492	DC F7 Bulk Population	1664	2283	42.3	.	5.71	22.71	3.25	0.68	0.94	1.62	
1490	Ark 0608-15	1648	2177	43.1	.	5.53	21.71	2.77	0.85	1.13	1.98	
1426	Phytogen 725RF	1622	2373	40.6	.	5.68	24.14	3.02	0.65	0.82	1.47	
1397	DP 1050B2RF	1577	1688	48.4	.	5.06	17.27	3.08	0.7	0.91	1.61	
1482	DP 1410B2RF	1542	1979	43.8	.	5.68	22.29	2.65	0.78	0.89	1.66	
1486	TAM 11K-13ELS	1458	2365	38.3	.	6.54	22.69	3.28	0.69	0.96	1.65	
1487	PD 05069	1328	1735	43.4	.	5.76	18.45	3.78	0.51	0.76	1.27	
.	LSD	283	427	1.6	.	0.66	1.67	0.47	0.11	0.13	0.24	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	4.41	0.85	1.328	86.1	5.1	30.1	9	79.9	7.5	3	76.47
1484	PX 4478-20WRF	4.8	0.84	1.244	86.4	6.2	30.6	11.8	78.2	6.9	5	62.55
1457	DP 1321B2RF	4.94	0.84	1.228	86.1	6.6	30.8	11.5	79.2	7.4	4	70.91
1485	PX 4539-15WRF	4.76	0.85	1.235	85.7	6.6	31.6	9.9	79.7	7.9	3	65.28
1441	FM 2484B2F	4.14	0.85	1.255	83.7	7.3	31.9	8.4	82.6	6.6	2	73.46
1488	Ark 0615-49	5.26	0.87	1.227	85.8	6.5	32.5	8.9	78.2	7.2	4	73.24
1470	PHY 575WRF	4.34	0.84	1.252	84.8	6.9	30.4	9.6	80.2	7.6	3	74.22
1436	DP 1219B2RF	4.56	0.85	1.216	83.6	7.4	33.8	9.5	79.7	7.3	3	79.3
1491	DC 13-7	5.17	0.87	1.239	85.9	6.2	33.6	9.4	79.7	7.2	4	67.61
1489	Ark 0607-05	4.82	0.85	1.267	84.3	6.9	32.6	9.7	78.2	7.8	5	78.18
1474	FM 2322GL	4.43	0.86	1.273	84.1	6.5	33	8	80	6.9	4	80.15
1483	FM 2334GLT	4.41	0.85	1.285	85.9	6.1	32.9	8.9	81.3	6.8	4	71.26
1492	DC F7 Bulk Population	4.94	0.86	1.26	85.2	6.2	32.3	9.3	78.8	7.3	3	62.89
1490	Ark 0608-15	4.47	0.84	1.21	84.3	7.2	28.8	10.5	76.8	7.1	7	66.71
1426	Phytogen 725RF	4.45	0.84	1.228	84.6	6.5	34.9	10.3	76.8	8.2	4	77.55
1397	DP 1050B2RF	4.77	0.85	1.165	83.3	8.3	29.2	10.3	80.2	8.1	3	75.47
1482	DP 1410B2RF	4.39	0.85	1.225	83.6	7.4	30.8	8.6	77.3	6.7	6	68.24
1486	TAM 11K-13ELS	4.24	0.85	1.405	84.9	5.1	32.6	8.1	79	7.3	2	71.89
1487	PD 05069	4.35	0.86	1.29	84.6	6	32.2	7.9	81.1	7.1	3	70.61
.	LSD	0.26	0.01	0.062	2.2	1.3	1.8	0.9	2.3	0.6	2	19.43

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
1459	PHY 444WRF	0.98	1.17	17.5	5.2	1.42	169.8	3.9	0.93	98	3

1484	PX 4478-20WRF	0.95	1.13	17.5	5.2	1.35	180.5	3.7	0.9	114	4
1457	DP 1321B2RF	0.91	1.08	17.5	5.5	1.27	183.5	3.3	0.94	98	2
1485	PX 4539-15WRF	0.91	1.09	20	6.3	1.31	178	3.9	0.93	134	4
1441	FM 2484B2F	0.83	1.06	27	8.8	1.31	158.9	4.8	0.93	177	5
1488	Ark 0615-49	0.92	1.09	17	5.3	1.3	196.7	2.3	1.01	71	7
1470	PHY 575WRF	0.85	1.04	23	7.9	1.27	167.5	4.4	0.91	145	2
1436	DP 1219B2RF	0.81	1.01	25.5	8.9	1.25	169.9	4.3	0.94	140	3
1491	DC 13-7	0.94	1.1	16.5	5.1	1.3	192.7	2.9	0.98	100	3
1489	Ark 0607-05	0.87	1.06	22	7.1	1.29	184.3	3.3	0.96	104	3
1474	FM 2322GL	0.86	1.06	23.5	7.8	1.3	162.5	3.8	0.95	125	6
1483	FM 2334GLT	0.9	1.1	21	6.6	1.33	167.5	3.6	0.94	136	7
1492	DC F7 Bulk Population	0.92	1.09	18.5	5.7	1.31	192.9	2.7	0.99	104	2
1490	Ark 0608-15	0.82	1.02	24.5	8.7	1.25	167	5.2	0.89	171	7
1426	Phytogen 725RF	0.89	1.07	19.5	6.4	1.29	170.9	3.4	0.95	137	6
1397	DP 1050B2RF	0.87	1.04	19	6.3	1.24	174	3.9	0.91	104	4
1482	DP 1410B2RF	0.86	1.06	22	7.4	1.29	163.2	3.7	0.94	108	9
1486	TAM 11K-13ELS	0.95	1.19	22.5	6.8	1.5	169.3	4	0.95	157	3
1487	PD 05069	0.89	1.1	21	6.7	1.35	164.9	3.8	0.95	104	4
.	LSD	0.08	0.07	5.8	2.4	0.07	9.4	1.1	0.03	64	5

LOCATION=KEISER, AR

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1485	PX 4539-15WRF	1459	2057	41.5	11.5	5.56	19.47	3.93	0.64	0.74	1.38
1488	Ark 0615-49	1378	1958	40.5	11.1	4.81	19.05	4.03	0.53	0.77	1.3
1457	DP 1321B2RF	1367	1803	42.5	10.3	4.8	17.65	3.6	0.39	0.51	0.9
1459	PHY 444WRF	1362	1850	43	11	4.81	20.41	3.57	0.59	0.55	1.13
1496	DP 1311B2RF	1347	1739	42.1	8.5	4.43	19.67	3.71	0.53	0.75	1.28
1484	PX 4478-20WRF	1268	1922	39.5	9.7	4.77	20.18	3.93	0.63	0.6	1.23
1470	PHY 575WRF	1242	1911	39.3	10.7	4.09	19	3.44	0.55	0.64	1.19
1491	DC 13-7	1194	1818	40.8	11.2	4.83	19.51	3.84	0.52	0.77	1.28
1482	DP 1410B2RF	1160	1792	39.5	11.3	5.37	17.92	3.72	0.45	0.57	1.02
1441	FM 2484B2F	1135	1545	40.8	10.6	4.42	14.51	3.89	0.46	0.69	1.15
1490	Ark 0608-15	1106	1696	39.2	11.6	5.33	20.28	3.73	0.62	0.86	1.48
1489	Ark 0607-05	1103	1834	38.4	10.8	4.98	21.2	3.44	0.45	0.57	1.01
1483	FM 2334GLT	1090	1456	42.8	8.9	4.93	15.74	3.99	0.37	0.53	0.9
1426	Phytogen 725RF	971	1572	37.8	11.4	4.64	20.57	3.7	0.45	0.62	1.07

1492	DC F7 Bulk Population	963	1447	39.5	10.8	4.85	19.2	3.79	0.54	0.77	1.31	
1436	DP 1219B2RF	927	1204	40.6	9.2	4.81	16.62	3.62	0.36	0.52	0.88	
1474	FM 2322GL	888	1119	43.4	10.7	5.74	19.72	3.53	0.56	0.61	1.17	
1487	PD 05069	870	1063	40.3	10.5	5.04	13.57	4.01	0.44	0.64	1.07	
1397	DP 1050B2RF	864	1206	42.2	9.9	4.37	20.23	3.81	0.47	0.65	1.12	
1486	TAM 11K-13ELS	783	1257	36.3	13.5	5.58	16.42	3.93	0.48	0.72	1.2	
.	LSD	190	399	2	1.1	1.04	2.34	0.33	0.08	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
1485	PX 4539-15WRF	4.18	0.83	1.277	87.1	5.5	30.5	10.2	81.9	6.6	4	74.62
1488	Ark 0615-49	4.11	0.84	1.284	85.9	5.6	31.2	8.6	81.2	6.7	3	72.62
1457	DP 1321B2RF	4.24	0.86	1.221	84.2	7.7	33	7.5	82.2	6.9	3	78.43
1459	PHY 444WRF	3.9	0.84	1.286	87.4	5.7	30.9	8.8	81.7	6.9	3	75.8
1496	DP 1311B2RF	4.85	0.87	1.199	85.4	6.6	32.8	7.8	79.6	7.2	2	91.05
1484	PX 4478-20WRF	3.77	0.84	1.274	86.7	5.9	32.2	7.9	82.3	6.9	3	77.13
1470	PHY 575WRF	4.12	0.85	1.275	85	6.1	32.8	7.1	78.5	6.2	6	84.53
1491	DC 13-7	3.97	0.85	1.431	87.1	4.9	36.3	7	80.6	6.9	3	87.06
1482	DP 1410B2RF	4.5	0.85	1.191	85.9	6.1	31.7	9.7	81.3	7.3	2	81.57
1441	FM 2484B2F	4.22	0.84	1.204	85.1	7.3	30.5	9.1	82.1	6.1	4	77.05
1490	Ark 0608-15	4.27	0.86	1.315	86.3	5.2	31.3	7.7	81	6.8	3	69.54
1489	Ark 0607-05	4.26	0.85	1.31	87.1	5.2	36.1	8.7	79.2	7.1	3	44.68
1483	FM 2334GLT	4.24	0.86	1.228	84.9	6.8	33.6	6.6	80.4	7.2	4	79.45
1426	Phytogen 725RF	3.74	0.84	1.249	85.2	6.5	33.2	7.3	83.9	6.1	2	90.42
1492	DC F7 Bulk Population	4.65	0.86	1.217	86	6.1	34.8	8.3	80.5	6.4	4	86
1436	DP 1219B2RF	4.24	0.84	1.232	86.4	6.2	30.3	8.9	82	7.3	3	82.84
1474	FM 2322GL	4.38	0.85	1.248	86.4	6	32.9	8.4	78.5	6.8	5	92.4
1487	PD 05069	4.21	0.85	1.247	85.9	5.8	33.6	7.6	81.2	6.1	2	73.95
1397	DP 1050B2RF	4.63	0.87	1.262	86.7	5.9	33.1	7.8	79.2	6.7	5	86.14
1486	TAM 11K-13ELS	4.29	0.86	1.32	86.6	5.2	33.4	7.8	81.4	7	4	93.6
.	LSD	0.37	0.01	0.058	1.7	1.1	2	0.5	2.6	0.7	2	28.51

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fineness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1485	PX 4539-15WRF	1.02	1.17	13	3.7	1.36	167.4	3.7	0.9	105	12
1488	Ark 0615-49	0.96	1.15	16.5	4.9	1.36	166.5	3.8	0.94	113	7
1457	DP 1321B2RF	0.92	1.1	18.5	5.7	1.3	170.4	3.2	0.95	88	4
1459	PHY 444WRF	1	1.17	14.5	4.1	1.37	161.4	3.8	0.92	95	5

1496	DP 1311B2RF	0.97	1.11	12.5	3.6	1.28	189.4	2.4	0.99	82	5
1484	PX 4478-20WRF	0.99	1.17	15.5	4.5	1.37	157.5	4	0.92	94	6
1470	PHY 575WRF	0.96	1.15	17.5	5.3	1.38	159.9	3.7	0.94	115	8
1491	DC 13-7	1.06	1.28	17.5	4.6	1.55	160	3.5	0.96	104	9
1482	DP 1410B2RF	0.95	1.09	13.5	4.1	1.26	178.7	2.9	0.94	90	4
1441	FM 2484B2F	0.9	1.07	18	5.5	1.27	172.8	4	0.91	123	3
1490	Ark 0608-15	1.02	1.2	15.5	4.2	1.42	172.9	3	0.97	80	2
1489	Ark 0607-05	1.03	1.16	10.5	3	1.35	170.7	2.1	0.99	67	5
1483	FM 2334GLT	0.93	1.11	16.5	5.2	1.31	157.2	3.1	0.97	95	5
1426	Phytogen 725RF	0.96	1.13	16.5	5	1.33	159.4	3.4	0.97	114	5
1492	DC F7 Bulk Population	1	1.13	11	3.2	1.29	184	2.4	0.98	66	2
1436	DP 1219B2RF	0.95	1.12	15	4.6	1.31	171	3.9	0.91	105	6
1474	FM 2322GL	0.97	1.13	15.5	4.5	1.33	171	3.6	0.93	137	6
1487	PD 05069	0.95	1.13	16	4.8	1.33	161	3.1	0.96	91	3
1397	DP 1050B2RF	1.02	1.16	12	3.2	1.34	183.7	2	1.02	66	3
1486	TAM 11K-13ELS	1.01	1.17	14	4.1	1.38	168.5	2.9	0.96	82	4
.	LSD	0.06	0.06	3	1.1	0.06	9.2	0.8	0.03	35	4

LOCATION=FLORENCE, SC

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1459	PHY 444WRF	950	1127	46.1	8.9	4.82	19.55	3.22	0.48	0.71	1.19
1436	DP 1219B2RF	886	1089	44.7	7.6	4.78	18.58	3.44	0.43	0.58	1
1489	Ark 0607-05	865	1043	45.3	8.8	4.76	18.28	3.59	0.52	0.74	1.26
1482	DP 1410B2RF	864	1080	44.4	8.6	4.85	19.9	3.42	0.6	0.9	1.49
1487	PD 05069	850	1088	43.8	7.7	5.14	19.83	3.49	0.6	0.75	1.35
1490	Ark 0608-15	845	1119	43.1	9.3	4.8	19.48	3.48	0.47	0.67	1.14
1484	PX 4478-20WRF	827	1007	45.1	8.7	4.8	20.73	3.39	0.65	0.95	1.59
1441	FM 2484B2F	826	1062	43.8	8.8	4.72	20.54	3.47	0.49	0.7	1.19
1426	Phytogen 725RF	772	1036	42.7	9.3	4.86	20.06	3.49	0.6	0.91	1.51
1488	Ark 0615-49	756	1007	42.9	9.7	5.37	20.5	3.19	0.6	0.7	1.3
1492	DC F7 Bulk Population	747	1030	42.3	8.8	4.68	18.8	3.59	0.57	0.82	1.39
1485	PX 4539-15WRF	701	930	43	9	4.96	18.59	3.59	0.57	0.82	1.39
1483	FM 2334GLT	686	918	43.1	8	4.87	20.4	3.18	0.63	0.73	1.36
1486	TAM 11K-13ELS	673	992	40.6	10.7	4.85	18.93	3.34	0.42	0.57	0.99
1397	DP 1050B2RF	652	854	44	8.3	4.83	21.71	3.3	0.6	0.71	1.31
1470	PHY 575WRF	646	815	44.3	8.4	4.36	17.16	3.47	0.54	0.81	1.34

1474	FM 2322GL	626	780	44.4	9	5.16	18.94	3.51	0.48	0.66	1.14	
1491	DC 13-7	604	814	42.6	9.6	4.91	15.65	3.69	0.38	0.62	1	
1496	DP 1311B2RF	482	562	46.2	8	5.12	17.05	3.54	0.46	0.71	1.17	
.	LSD	186	265	3.2	0.5	0.66	3.38	0.45	0.14	0.18	0.3	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1459	PHY 444WRF	4.23	0.84	1.124	81.9	8.6	31	9	80	7.1	3	79.35
1436	DP 1219B2RF	4.29	0.85	1.06	80.7	10.1	31	8.3	79.6	7.8	2	77.39
1489	Ark 0607-05	4.59	0.85	1.116	82.8	8.4	29.6	9.8	80	7.5	2	72.15
1482	DP 1410B2RF	4.77	0.87	1.201	84	6.5	34.2	8.2	81.1	7.2	2	78.51
1487	PD 05069	4.89	0.85	1.108	83.9	7.5	30.2	10.4	78.8	7.1	3	74.81
1490	Ark 0608-15	4.97	0.86	1.064	81	10	30.4	9.5	80.5	7.5	3	60.84
1484	PX 4478-20WRF	4.6	0.85	1.124	82.7	8.7	29	9.1	79.7	7.9	3	69.08
1441	FM 2484B2F	4.3	0.85	1.102	82.4	8.7	31.8	8.9	80.9	7.3	4	77.22
1426	Phytogen 725RF	4.82	0.85	1.115	83	7.8	29	9.2	79.7	7.7	3	72.03
1488	Ark 0615-49	4.31	0.84	1.142	82.3	8.6	29.4	8.9	80.8	7	4	75.86
1492	DC F7 Bulk Population	4.68	0.86	1.216	84.4	6.2	33.8	8.4	80.3	7	4	79.82
1485	PX 4539-15WRF	5.3	0.87	1.104	83.8	7.4	29.8	9.5	79.5	7.8	2	70.42
1483	FM 2334GLT	4.7	0.86	1.096	82.1	9.6	29.6	8.6	80.4	7.1	3	72.6
1486	TAM 11K-13ELS	4.67	0.86	1.085	82.5	8.9	30.9	8.4	79.9	7.7	2	89.23
1397	DP 1050B2RF	4.73	0.85	1.123	83.7	7.7	29.7	10.4	79.8	7.6	3	70.16
1470	PHY 575WRF	4.99	0.86	1.067	81.9	9.3	29	9.2	81	7.4	4	77.48
1474	FM 2322GL	4.51	0.85	1.076	82.6	9.4	31.7	9	80.7	7.7	3	74.33
1491	DC 13-7	4.29	0.85	1.124	82.3	8.7	30.9	8	81.1	7	2	77.28
1496	DP 1311B2RF	4.84	0.86	1.079	82.2	8.6	29.8	9.5	78.7	6.9	4	71.12
.	LSD	0.95	0.03	0.112	2.7	2.3	3.1	2.1	2.6	1.3	3	13.25

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
1459	PHY 444WRF	0.77	0.95	26.5	9.5	1.14	158.7	5	0.92	218	5
1436	DP 1219B2RF	0.76	0.92	26	9.7	1.1	168	4.8	0.93	245	6
1489	Ark 0607-05	0.82	0.99	22	7.4	1.17	167.5	5.1	0.9	192	5
1482	DP 1410B2RF	0.9	1.07	18.5	5.7	1.27	179.5	3.6	0.97	136	5
1487	PD 05069	0.83	0.98	19	6.3	1.15	176.2	4.1	0.91	181	3
1490	Ark 0608-15	0.73	0.9	28	10.6	1.09	173.3	4.3	0.93	172	9
1484	PX 4478-20WRF	0.82	0.99	21	7	1.18	175.2	4.1	0.92	192	5
1441	FM 2484B2F	0.8	0.97	23	8.5	1.16	158	4.7	0.92	201	5

1426	Phytogen 725RF	0.82	0.99	21.5	6.8	1.17	179.4	4.1	0.92	154	5
1488	Ark 0615-49	0.82	1	22	7.7	1.19	162	4.9	0.9	161	5
1492	DC F7 Bulk Population	0.89	1.06	17.5	5.5	1.26	175.7	3.5	0.96	164	6
1485	PX 4539-15WRF	0.84	0.99	18.5	6.2	1.15	182.3	3.8	0.93	139	3
1483	FM 2334GLT	0.77	0.95	26.5	9.8	1.14	168.7	4.6	0.92	193	5
1486	TAM 11K-13ELS	0.77	0.93	24	8.8	1.11	173.4	4.1	0.94	206	4
1397	DP 1050B2RF	0.8	0.97	23	8	1.15	175.3	4.6	0.91	227	4
1470	PHY 575WRF	0.79	0.95	21.5	7.5	1.12	181	4	0.93	148	3
1474	FM 2322GL	0.81	0.97	21	6.8	1.14	173.3	3.7	0.93	163	1
1491	DC 13-7	0.81	0.99	23	8	1.19	159.7	4.7	0.93	205	3
1496	DP 1311B2RF	0.8	0.95	21.5	7.9	1.12	184.5	3.8	0.94	164	5
.	LSD	0.12	0.1	10.8	4.7	0.13	23	2.3	0.06	131	6

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BLACKLANDS REGION

2014 NATIONAL COTTON VARIETY TEST
REGIONAL SUMMARIES FOR BLACKLANDS BY VARIETIES

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1495	Croplan 3787B2RF	887	1151	44.4	9.1	4.78	14.85	4.22	0.36	0.58	0.94
1465	NG 1511B2RF	867	1068	45.3	9.5	4.89	17.35	3.92	0.43	0.63	1.06
1404	PHY 499WRF	842	1056	46.2	8.5	4.39	16.11	3.83	0.32	0.54	0.86
1412	DP 0912B2RF	831	1163	42.2	9.3	4.77	15.76	3.67	0.36	0.53	0.88
1438	ALL-TEX NITRO 44B2RF	823	1228	40.8	10.7	4.78	20.18	4.06	0.4	0.62	1.02
1427	DP 1044B2RF	790	1046	42.4	8.7	4.36	18.4	3.79	0.32	0.63	0.95
1436	DP 1219B2RF	764	1005	42.8	8.3	4.23	17.82	3.9	0.32	0.51	0.84
1441	FM 2484B2F	672	903	41.8	9.3	4.45	18.77	3.84	0.33	0.59	0.92
1426	Phytogen 725RF	562	919	39	10.4	4.45	17.39	3.94	0.31	0.45	0.75
.	LSD	198	274	2.3	1	0.57	1.57	0.21	0.04	0.1	0.14

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1495	Croplan 3787B2RF	4.26	0.85	1.135	83	8.4	30.1	8.2	71.2	7.2	7	65.34
1465	NG 1511B2RF	4.45	0.85	1.121	83.5	7.8	30.9	8.5	70.4	7.2	8	75.6
1404	PHY 499WRF	4.33	0.85	1.108	83.8	8.4	32.2	8.6	68.6	7	8	73.22
1412	DP 0912B2RF	4.38	0.85	1.101	82.7	8.9	29.4	7.8	68.9	6.5	8	73.23
1438	ALL-TEX NITRO 44B2RF	3.68	0.84	1.18	83.9	7.6	34	7.7	69.1	6.4	8	74.68
1427	DP 1044B2RF	4.38	0.85	1.1	82.6	8.7	30.6	8.6	70.9	6.5	7	67.38
1436	DP 1219B2RF	4.24	0.86	1.122	82.3	9.3	30.6	6.9	71.8	6.8	7	72.82
1441	FM 2484B2F	3.77	0.85	1.161	83.2	8.2	30.8	6.5	72.6	6	8	76.19
1426	Phytogen 725RF	3.91	0.84	1.193	83.9	7.2	34.8	8	68.6	7.2	8	77.07
.	LSD	0.34	0.01	0.052	1	1	2.9	0.4	2.2	0.7	1	6.92

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1495	Croplan 3787B2RF	0.86	1.01	18.8	6.4	1.2	172.1	3.9	0.93	147	15
1465	NG 1511B2RF	0.84	0.99	18.5	6.4	1.17	178.8	3.2	0.97	106	16
1404	PHY 499WRF	0.81	0.98	21.3	7.4	1.15	173.4	3.8	0.94	135	20
1412	DP 0912B2RF	0.83	0.98	19	6.5	1.15	175.5	3.4	0.94	131	17

1438	ALL-TEX NITRO 44B2RF	0.86	1.04	20.3	6.7	1.25	157.5	4.2	0.94	202	34
1427	DP 1044B2RF	0.82	0.98	21.5	7.3	1.16	179.7	3.7	0.95	117	16
1436	DP 1219B2RF	0.79	0.97	25.3	9	1.18	166.9	3.9	0.96	135	15
1441	FM 2484B2F	0.85	1.02	20.5	6.9	1.21	155.4	3.9	0.93	149	23
1426	Phytogen 725RF	0.88	1.07	19.3	6.3	1.28	163.2	3.5	0.96	177	21
.	LSD	0.07	0.06	4.7	2.2	0.06	12.5	0.9	0.04	31	10

BLACKLANDS REGION SUMMARY BY LOCATION SITES

LOCATION	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
COMMERCE, TX	835	1077	42.9	9.2	4.45	17.62	3.9	0.37	0.6	0.97
THRALL, TX	728	1043	42.6	9.4	4.67	17.19	3.92	0.33	0.52	0.85

LOCATION	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
COMMERCE, TX	4.18	0.85	1.128	83.1	8.2	31.3	7.9	72.3	6.9	7	72.89
THRALL, TX	4.13	0.85	1.143	83.3	8.4	31.6	7.8	68.2	6.6	8	72.78

LOCATION	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
COMMERCE, TX	0.83	0.99	21.1	7.2	1.18	166.4	3.9	0.93	141	19
THRALL, TX	0.85	1.01	19.8	6.7	1.2	171.9	3.5	0.96	147	20

BLACKLANDS REGION - INDIVIDUAL LOCATION SUMMARIES

LOCATION=THRALL, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL

1495	Croplan 3787B2RF	878	1231	44.2	9.3	4.98	15.05	4.29	0.36	0.59	0.94	
1465	NG 1511B2RF	827	1112	46.1	9	4.7	16.56	3.86	0.4	0.58	0.98	
1404	PHY 499WRF	817	1123	45.6	9	4.72	15.34	3.84	0.29	0.44	0.73	
1427	DP 1044B2RF	793	1079	42	8.7	4.51	17.54	3.7	0.3	0.59	0.89	
1412	DP 0912B2RF	786	1105	43.1	9.1	4.6	16	3.79	0.33	0.46	0.79	
1438	ALL-TEX NITRO 44B2RF	722	1130	39.6	11.1	4.99	20.05	4.05	0.4	0.6	1	
1436	DP 1219B2RF	669	896	42.3	8.3	4.42	17.55	3.89	0.32	0.51	0.82	
1426	Phytogen 725RF	571	962	39.8	10.6	4.62	17.54	3.96	0.28	0.41	0.69	
1441	FM 2484B2F	494	751	41.1	9.4	4.53	19.07	3.92	0.31	0.52	0.83	
.	LSD	168	443	2.1	0.9	0.44	1.06	0.42	0.05	0.08	0.13	

vcode	VARIETY	Micronaire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elongation	RD	Hunters Plus b	Waste	Yarn Tenacity
1495	Croplan 3787B2RF	4.28	0.85	1.134	83.1	8.2	29.3	8.3	68.8	7.2	7	67.14
1465	NG 1511B2RF	4.35	0.85	1.107	83.1	8	30.8	8.5	68.9	7.1	8	78.47
1404	PHY 499WRF	4.25	0.85	1.14	84.3	8.4	33.7	8.6	66.2	6.6	8	71.38
1427	DP 1044B2RF	4.22	0.85	1.123	82.6	9.2	30.7	8.4	70.3	6.4	7	69.66
1412	DP 0912B2RF	4.4	0.86	1.102	83	9	29.3	7.6	66.5	6.2	8	71.42
1438	ALL-TEX NITRO 44B2RF	3.68	0.84	1.194	84.1	7.5	34.5	7.6	66.4	6.5	8	71.92
1436	DP 1219B2RF	4.1	0.86	1.121	82.1	10	29.1	6.5	69.7	6.2	8	73.39
1426	Phytogen 725RF	4.1	0.85	1.186	84.2	7.3	35.5	8	66	7	8	74.27
1441	FM 2484B2F	3.78	0.85	1.185	83.6	7.9	32.1	6.4	71	6	8	77.39
.	LSD	0.27	0.01	0.045	1.5	1.1	2.1	0.5	2.1	0.6	2	7.91

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
1495	Croplan 3787B2RF	0.89	1.04	17	5.7	1.22	177.4	3.5	0.96	136	13
1465	NG 1511B2RF	0.84	0.98	18	6.4	1.16	183.8	2.9	0.99	97	11
1404	PHY 499WRF	0.85	1.01	20	6.5	1.19	175.7	3.6	0.96	139	20
1427	DP 1044B2RF	0.83	0.99	21.5	7.4	1.19	179.9	3.7	0.97	115	17
1412	DP 0912B2RF	0.82	0.96	20	7	1.13	174	3.6	0.94	140	19
1438	ALL-TEX NITRO 44B2RF	0.91	1.08	17.5	5.6	1.28	163.9	3.7	0.97	204	29
1436	DP 1219B2RF	0.78	0.97	27	9.8	1.19	163.8	4.3	0.96	153	18
1426	Phytogen 725RF	0.88	1.06	19	6.2	1.27	171.7	3.2	1	186	24
1441	FM 2484B2F	0.88	1.05	18.5	6.1	1.24	157.2	3.6	0.94	159	26
.	LSD	0.08	0.07	6.5	2.8	0.06	10.7	1.3	0.04	64	15

LOCATION=COMMERCE, TX

vcode	VARIETY	LINT YIELD (LB/ACRE)	SEED YIELD (LB/AC)	LINT PERCENT	SEED INDEX	BOLL SIZE (G/BOLL)	OIL	NITR OGEN	Minus Gossypol	Plus Gossypol	FREE GOSSYPOL
1438	ALL-TEX NITRO 44B2RF	924	1327	42	10.3	4.57	20.3	4.08	0.4	0.65	1.04
1465	NG 1511B2RF	906	1024	44.5	10	5.08	18.14	3.98	0.46	0.68	1.14
1495	Croplan 3787B2RF	896	1072	44.7	9	4.59	14.65	4.16	0.36	0.58	0.94
1412	DP 0912B2RF	877	1222	41.3	9.6	4.93	15.51	3.56	0.39	0.59	0.98
1404	PHY 499WRF	867	989	46.8	8	4.05	16.89	3.83	0.36	0.63	0.99
1436	DP 1219B2RF	859	1115	43.3	8.3	4.04	18.09	3.91	0.33	0.52	0.85
1441	FM 2484B2F	850	1054	42.4	9.2	4.36	18.47	3.76	0.36	0.65	1.01
1427	DP 1044B2RF	787	1012	42.9	8.7	4.21	19.26	3.89	0.34	0.67	1.01
1426	Phytogen 725RF	554	876	38.3	10.1	4.28	17.25	3.91	0.33	0.49	0.82
.	LSD	147	354	2.4	1.1	0.76	2.83	0.3	0.04	0.06	0.1

vcode	VARIETY	Micro naire	Maturity	Upper Half Mean Length	Uniformity Index	Short Fiber	Strength	Elon gation	RD	Hunters Plus b	Waste	Yarn Tenacity
1438	ALL-TEX NITRO 44B2RF	3.68	0.84	1.167	83.7	7.8	33.6	7.8	71.9	6.3	8	77.44
1465	NG 1511B2RF	4.56	0.85	1.136	83.9	7.5	31.1	8.6	72	7.2	8	72.74
1495	Croplan 3787B2RF	4.24	0.85	1.136	83	8.6	30.9	8.1	73.5	7.1	7	63.55
1412	DP 0912B2RF	4.37	0.85	1.1	82.5	8.9	29.5	7.9	71.4	6.8	8	75.05
1404	PHY 499WRF	4.41	0.85	1.076	83.3	8.4	30.8	8.6	71	7.4	8	75.05
1436	DP 1219B2RF	4.39	0.86	1.123	82.6	8.7	32.1	7.2	74	7.4	7	72.26
1441	FM 2484B2F	3.76	0.85	1.136	82.8	8.6	29.6	6.7	74.3	6.1	8	75
1427	DP 1044B2RF	4.54	0.86	1.077	82.5	8.3	30.4	8.7	71.5	6.7	8	65.09
1426	Phytogen 725RF	3.73	0.84	1.201	83.6	7.1	34.1	8	71.1	7.4	8	79.87
.	LSD	0.6	0.02	0.052	1.1	1	1.8	0.9	1.4	0.8	2	6.97

vcode	VARIETY	Length number	Length weight	Short Fiber Content number	Short Fiber Content weight	UQL weight	Fine ness	Immature Fiber Content	Maturity Ratio	Nep count	Seed Coat Number count
1438	ALL-TEX NITRO 44B2RF	0.82	1.01	23	7.8	1.22	151.2	4.8	0.91	201	39
1465	NG 1511B2RF	0.85	1	19	6.4	1.19	173.9	3.5	0.94	115	21
1495	Croplan 3787B2RF	0.84	0.99	20.5	7.2	1.18	166.8	4.2	0.9	158	17
1412	DP 0912B2RF	0.85	0.99	18	6	1.16	177	3.3	0.95	121	14
1404	PHY 499WRF	0.78	0.94	22.5	8.3	1.12	171	4.1	0.92	132	21
1436	DP 1219B2RF	0.8	0.98	23.5	8.2	1.17	170	3.6	0.96	117	12
1441	FM 2484B2F	0.82	1	22.5	7.7	1.19	153.5	4.2	0.92	140	20

1427	DP 1044B2RF	0.8	0.96	21.5	7.3	1.13	179.5	3.8	0.93	120	15
1426	Phytogen 725RF	0.89	1.08	19.5	6.4	1.29	154.7	3.9	0.93	168	18
.	LSD	0.08	0.07	5.7	2.4	0.08	10.2	0.9	0.03	57	13

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