

PERFORMANCE OF COTTON VARIETIES IN ALABAMA, 2021

DEPT. SERIES NO. CSES2021: COTTON
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AUBURN UNIVERSITY, AUBURN AL
JANUARY 6, 2022

MISSION

The mission of the Alabama Variety Testing Program is to provide research-based, unbiased results on the performance of various crop hybrids, cultivars, and varieties to the agricultural community in our state. We are intent on conducting these trials in a manner that will result in maximum biological yield through methods common to the top-producing farms in Alabama. We are committed to providing this information in a rapid, timely manner for its use during the decision-making process. The success of the program rests upon our ability to help Alabama producers provide a safe, dependable source of food and fiber for all families as well as economic sustainability for theirs.

HOW TO INTERPRET RESULTS

The purpose of the variety trial data is to determine whether differences are due to genetic performance. These differences cannot be measured absolutely due to environmental field conditions (rainfall, temperatures, soil fertility, soil type, disease, insects, etc.). Yields may differ between plots of the same entry. This variation is accounted for using experimental design and statistics.

The least significant difference (LSD) is used to determine whether the observed differences between entries are real or are caused by random variation. When using the LSD, two entries may have numerically different values, but the values are not statistically different. When two entries are compared and the observed difference is larger than the LSD, the entries are considered statistically different. An alpha level of 0.10 is used, meaning that the differences observed are expected to be real 90% of the time.

The coefficient of variation (CV) is a measure used to compare the amount of random variation within a data set. The lower the CV, the more precise the data set.

Each table is organized in a manner that it is easy to read. The data is sorted from highest yielding to lowest. The bolded values are not statistically different from the highest yielding value.

A dark line in the table visually represents the test average. Any value above the line is equal to or greater than the test average. The numeric value for the test average is at the bottom of the tables.

Test results do not imply recommendation or endorsement by the Auburn University Variety Testing Program.



ACKNOWLEDGEMENT

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ALABAMA CROPS REPORT

MANAGEMENT

Two subsamples per variety are obtained from each trial. These subsamples are ginned on a small laboratory gin. Turnout rates from these gins are generally higher than those from commercial gins. However, the differences between varieties remain relative. Once ginned, the samples are sent to the USDA Cotton Classing Office for quality analysis.

Cotton Extension Agronomist, Dr. Steve Brown, and Assistant Extension Professor, Dr. Tyler Sandlin, produced an extension publication “[How to Think About Fiber Quality in Cotton](#)” which describes each quality characteristic and the factors that influence each.

TABLE 1 - LOCATION SPECIFIC INFORMATION

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Gulf Coast
Location	Belle Mina	Shorter	Prattville	Headland	Fairhope
Region	North	Central	Central	South	South
Environments	Full Season Irr Full Season Dry Short Season Irr Short Season Dry	Full Season Irr Full Season Dry Short Season Irr Short Season Dry	Full Season Irr Full Season Dry Short Season Irr Short Season Dry	Full Season Irr Full Season Dry Short Season Irr Short Season Dry	Full Season Dry Short Season Dry
Full Season Plant Dates	April 27-28	June 14 (replanted)	May 3	May 19	May 24
Short Season Plant Dates	May 25-26	June 1	June 1	May 26	June 10
Full Season Harvest Dates	October 13 - Dry October 18 - Irr	November 30	October 20	November 4	November 23
Short Season Harvest Dates	November 15	November 17	November 2	November 19	November 23
Soil Type	Decatur Silt Loam	Marvyn Sandy Loam	Lucedale Fine Sandy Loam	Dothan Sandy Loam	Malbis Fine Sandy Loam
Row Spacing (inches)	40	36	36	36	38
Tillage	No-Till	Strip Till	Para-Till	Strip Till	No-Till
Fertilization	Dry 105N-0P-0K-27S Irrigated 130N-0P-0K-23S	27N-70P-120K-12.5S	87N-37P-37K	90N-80P-0K	7-18-36 variable rate (average 277 lb/ac) + 60N

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Gulf Coast
Herbicides	Cotoran Finish Folex Ginstar Roundup Stance Staple Suprend	Aim Direx Gramoxone Liberty Reflex Roundup Valor	Compact Cotoran Reflex Roundup	Diuron Dual Reflex Roundup	Cotoran Makaze Vakir
Insecticides	Bidrin Diamond Transform Tundra	None	Tundra	Bifenthrin Imidiclopid	Sniper
Fungicides	None	None	Priaxor	None	None
Test Conducted By	B. Durham D. Harkins	S. Scott H. Mote	D. Moore C. Henderson	C. Parker	M. Pegues J. Jones

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TABLE 2 – RAINFALL AND IRRIGATION IN INCHES

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Gulf Coast
Irrigation	0.60	0.00	2.00	0.60	0.00
April	0.09	NA	NA	NA	NA
May	5.40	NA	3.68	0.49	.51
June	4.91	4.73	3.78	3.41	8.62
July	11.18	10.31	5.70	8.61	6.63
August	6.14	6.31	6.22	6.12	10.27
September	6.35	4.80	7.53	2.77	6.70
October	4.26	4.76	4.32	2.73	6.56
November	.30	5.05	0.00	.25	.35

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SEED SOURCES

TABLE 3 – SEED SOURCE, SOURCE LOCATION, AND VARIETY NAME

Source	Variety
Americot	AMX20B037B3XF NG 3195 B3XF NG 3729 B2XF NG 4190 B3XF NG 4936 B3XF NG 5150 B3XF NG 5711 B3XF
BASF - Stoneville	ST 4595 B3XF BX 2296 B3XF BX 2297 B3XF BX 2298 B3XF ST 4990 B3XF ST 4993 B3XF ST 5091 B3XF
Bayer Crop Science	20R7451B3XF DP 1646 B2XF DP 1822 XF DP 1840 B3XF DP 2012 B3XF DP 2020 B3XF DP 2038 B3XF DP 2055 B3XF DP 2115 B3XF DP 2127 B3XF DP 2141NR B3XF

Source	Variety
Corteva Agriscience	1130A329-04
	1140A383-04
	1140A385-04
	1150A450-04
	1150A452-04
	1150A453-04
	PHY 332 W3FE
	PHY 360 W3FE
	PHY 390 W3FE
	PHY 400 W3FE
	PHY 443 W3FE
	PHY 500 W3FE
	PHY 545 W3FE
PHY 580 W3FE	
PHY 411 W3FE	
Dyna-Gro	DG 3456 B3XF
	DG 3535 B3XF
	DG 3615 B3XF
	DG 3644 B3XF
	DG 3799 B3XF
	DG H959 B3XF
Land O' Lakes	Armor 9371 B3XF
	Armor 9608 B3XF
	Armor 9831 B3XF

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TABLE 4 – TARGET SPOT DISEASE RATING SCALE

Rating 1-9	Description
1	No disease
2	Very few leaf spots
3	Few leaf spots in lower and upper canopy
4	Some leaf spotting and <10% defoliation
5	Leaf spots noticeable and <25% defoliation
6	Leaf spots numerous and < 50% defoliation
7	Leaf spots very numerous and <75% defoliation
8	Numerous leaf spots on few remaining leaves and <95% defoliation
9	Plants defoliated or dead

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**NON-IRRIGATED FULL SEASON
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL**

TABLE 5 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2239 B3XF	2364	42.3	4.4	1.24	31.6	83.3
PHY 400 W3FE	1977	43.1	4.2	1.19	31.8	83.9
ST 4993 B3XF	1876	42.8	5.1	1.18	32.8	85.0
ST 4595 B3XF	1875	43.2	4.4	1.22	30.4	83.0
ST 5091 B3XF	1832	42.1	4.4	1.18	30.3	82.9
BX 2298 B3XF	1828	43.2	5.1	1.13	28.7	83.7
DP 2020 B3XF	1820	41.1	4.8	1.24	31.3	85.1
NG 4190 B3XF	1803	42.4	4.3	1.19	30.4	84.3
DG 3535 B3XF	1792	42.0	4.6	1.20	29.6	83.3
DG 3644 B3XF	1758	42.9	5.1	1.23	34.6	83.4
DP 2127 B3XF	1752	42.6	5.1	1.15	29.5	84.7
BX 2297 B3XF	1741	41.8	4.4	1.18	29.0	82.9
DP 2012 B3XF	1738	41.4	4.5	1.23	31.5	84.2
DP 2141NR B3XF	1730	43.7	4.8	1.19	33.6	83.4
BX 2296 B3XF	1726	43.8	5.0	1.22	31.8	84.3
PHY 390 W3FE	1718	42.6	4.3	1.18	32.7	83.5
AMX20B037B3XF	1695	43.6	5.1	1.19	33.4	85.3
1140A383-04	1682	42.0	4.3	1.24	34.6	84.9
DG 3615 B3XF	1670	43.0	4.8	1.19	32.2	83.9
1150A450-04	1627	42.8	4.5	1.17	32.8	84.1
DP 2038 B3XF	1627	45.1	4.8	1.14	29.4	81.2
1150A453-04	1618	43.4	4.5	1.16	35.0	83.7
PHY 443 W3FE	1596	43.4	4.5	1.17	32.9	84.7
ST 4990 B3XF	1594	40.8	4.6	1.22	30.8	85.2
DP 1646 B2XF	1594	42.0	4.4	1.26	30.9	83.6
NG 5150 B3XF	1585	42.4	4.3	1.21	30.5	82.7
NG 3195 B3XF	1574	42.1	4.8	1.18	31.7	84.6
PHY 580 W3FE	1570	43.3	4.9	1.16	31.8	84.1
DP 1840 B3XF	1528	41.7	4.4	1.24	31.7	83.8
DG 3799 B3XF	1518	41.3	5.2	1.19	31.5	84.1
PHY 545 W3FE	1474	43.9	4.8	1.15	32.3	84.0
NG 3729 B2XF	1471	40.7	5.0	1.21	30.2	84.7
DG 3456 B3XF	1448	40.5	4.4	1.19	29.6	83.8
PHY 500 W3FE	1431	43.1	4.3	1.20	33.5	84.5
DP 2055 B3XF	1402	43.0	4.4	1.29	31.4	84.1
NG 5711 B3XF	1401	41.2	4.4	1.23	31.5	83.1
1130A329-04	1370	43.0	4.4	1.21	32.8	84.0
PHY 332 W3FE	1325	40.1	4.1	1.23	33.1	83.3
PHY 411 W3FE	1278	43.3	4.0	1.15	32.3	82.7
1150A452-04	1268	42.4	4.4	1.16	34.8	84.8
NG 4936 B3XF	1240	39.3	4.3	1.24	30.8	84.7
DP 1822 XF	1218	40.9	4.6	1.22	32.5	84.3
1140A385-04	1170	44.6	4.4	1.16	31.4	84.9

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Armor 9831 B3XF	1139	43.3	4.6	1.18	31.4	82.9
Average	1601	42.4	4.6	1.20	31.7	83.9
LSD at 10% level	400	0.02	0.3	0.04	1.6	1.4
CV	24	3	7	3	5	1.2
Model R-Square	0.42	0.76	0.83	0.87	0.84	0.69

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**NON-IRRIGATED SHORT SEASON
GULF COAST RESEARCH AND EXTENSION CENTER
FAIRHOPE, AL**

TABLE 6 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 360 W3FE	944	40.1	4.0	1.20	31.9	84.1
Armor 9371 B3XF	934	42.5	4.5	1.20	31.6	84.9
PHY 332 W3FE	906	40.8	4.2	1.23	31.8	84.5
DP 2115 B3XF	890	42.3	4.6	1.21	32.1	85.2
PHY 400 W3FE	865	42.3	3.7	1.21	36.4	85.0
NG 3195 B3XF	851	41.7	4.6	1.18	31.0	85.3
AMX20B037B3XF	849	42.2	5.0	1.21	35.6	85.9
ST 4990 B3XF	843	39.3	4.4	1.23	31.3	85.0
1140A385-04	815	42.9	4.3	1.17	34.4	85.4
ST 5091 B3XF	801	40.0	4.1	1.22	31.0	83.8
ST 4595 B3XF	800	42.8	4.7	1.24	30.8	85.3
DP 1646 B2XF	785	42.0	4.2	1.27	31.4	84.1
DP 2012 B3XF	784	39.9	4.5	1.25	33.0	85.2
DG 3535 B3XF	761	40.4	4.5	1.23	32.0	85.1
1140A383-04	761	42.2	4.4	1.23	32.9	85.2
ST 4993 B3XF	754	42.0	4.8	1.16	32.0	84.8
DG 3456 B3XF	747	39.9	4.1	1.22	30.1	85.4
NG 5150 B3XF	738	40.4	4.4	1.22	32.0	83.8
NG 4936 B3XF	736	38.8	4.3	1.26	31.7	85.7
NG 4190 B3XF	716	39.9	4.3	1.22	31.2	84.3
PHY 443 W3FE	702	41.6	4.2	1.17	34.6	84.4
BX 2297 B3XF	681	41.8	4.5	1.20	29.9	84.0
PHY 411 W3FE	671	43.3	4.5	1.16	32.7	83.0
1130A329-04	655	41.5	4.5	1.24	34.0	84.8
NG 3729 B2XF	653	40.3	4.8	1.23	31.5	85.8
BX 2296 B3XF	590	42.2	4.6	1.22	31.7	85.1
Armor 9608 B3XF	589	43.3	4.1	1.20	30.8	83.1
BX 2298 B3XF	544	41.1	4.6	1.15	30.7	83.2
DG H959 B3XF	515	38.4	4.7	1.22	32.7	83.9
DP 1822 XF	506	39.7	4.5	1.25	34.1	85.1
NG 5711 B3XF	381	39.9	4.1	1.28	32.5	84.2
Average	734	41.1	4.4	1.21	32.2	84.6
LSD at 10% level	189	0.01	0.3	0.02	1.4	1.1
CV	28	3	7	3	5	1.1
Model R-Square	0.55	0.87	0.80	0.91	0.89	0.74

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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IRRIGATED FULL SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 7 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3799 B3XF	1914	42.5	4.3	1.17	32.1	82.0
DG 3615 B3XF	1852	43.5	4.4	1.18	31.5	82.6
DP 2020 B3XF	1610	41.1	4.3	1.20	31.4	82.8
ST 4990 B3XF	1496	41	4.5	1.19	29.7	83.8
NG 5150 B3XF	1463	43	4.4	1.17	30.0	82.0
Armor 9831 B3XF	1454	43	4.1	1.16	30.7	80.9
DP 2012 B3XF	1453	40.9	4.3	1.18	30.6	82.9
1140A385-04	1423	44.1	4.7	1.12	31.6	82.8
BX 2298 B3XF	1422	42.8	4.3	1.12	28.5	82.3
DP 2038 B3XF	1408	45.5	4.5	1.06	28.1	80.3
DP 2127 B3XF	1397	41.2	4.6	1.10	29.2	82.8
BX 2296 B3XF	1387	44	4.6	1.14	28.9	83.0
NG 5711 B3XF	1383	41.4	4.0	1.18	31.3	80.6
ST 4595 B3XF	1372	42.5	4.3	1.16	28.8	81.4
PHY 545 W3FE	1347	42.5	4.5	1.12	27.6	82.8
DP 2055 B3XF	1339	44.1	4.4	1.22	31.1	83.0
BX 2297 B3XF	1337	43	4.5	1.12	27.2	80.8
1130A329-04	1326	41.6	4.6	1.15	30.7	81.1
NG 3195 B3XF	1311	43.4	4.2	1.12	29.6	81.9
PHY 500 W3FE	1308	39.9	3.9	1.15	32.0	82.2
DP 1840 B3XF	1307	40.2	4.2	1.20	30.5	82.1
PHY 411 W3FE	1306	42.7	4.4	1.09	29.6	81.6
DP 1646 B2XF	1303	43.4	4.4	1.21	29.1	82.4
ST 5091 B3XF	1298	41.2	4.0	1.15	29.7	81.2
NG 3729 B2XF	1288	41.1	4.8	1.15	29.1	82.5
ST 4993 B3XF	1278	42.4	4.6	1.11	32.2	82.5
NG 4190 B3XF	1276	41.3	4.0	1.17	30.0	82.9
PHY 580 W3FE	1273	42.7	4.3	1.13	30.8	83.7
DP 2239 B3XF	1270	41.7	4.1	1.20	30.7	82.4
1140A383-04	1242	43	4.4	1.18	32.5	83.6
1150A453-04	1226	43.4	4.8	1.14	34.9	83.4
DP 1822 XF	1211	40.4	4.2	1.20	33.4	82.9
DG 3535 B3XF	1208	41.9	4.1	1.17	30.5	82.1
DP 2141NR B3XF	1200	43.2	4.8	1.12	30.6	82.1
1150A450-04	1200	39.9	4.4	1.14	30.9	81.9
NG 4936 B3XF	1173	41.8	4.0	1.18	30.0	82.9
PHY 390 W3FE	1165	41.8	4.1	1.14	32.1	81.6
PHY 443 W3FE	1128	43.1	4.0	1.12	29.8	81.8
PHY 400 W3FE	1116	41.1	4.0	1.15	31.1	81.1
1150A452-04	1096	44.5	4.5	1.13	33.4	82.1
DG 3644 B3XF	1094	40	4.5	1.17	32.2	81.5
DG 3456 B3XF	1085	42.7	4.3	1.13	27.7	82.2
AMX20B037B3XF	1072	42.8	4.6	1.12	31.5	83.1

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 332 W3FE	989	41	4.1	1.17	30.4	81.2
Average	1314	42.2	4.3	1.15	30.5	82.2
LSD at 10% level	206	0.02	0.3	0.03	1.8	1.5
CV	18	4	7	3	6	1
Model R-Square	0.60	0.68	0.76	0.91	0.83	0.66

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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NON-IRRIGATED FULL SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER HEADLAND, AL

TABLE 8 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3799 B3XF	1616	44.1	4.3	1.18	31.4	82.1
DG 3615 B3XF	1616	43.6	4.5	1.15	31.1	82.3
DP 2012 B3XF	1401	41.5	4.5	1.16	31.5	82.9
DP 2038 B3XF	1387	47.5	4.5	1.08	27.7	81.1
DP 2127 B3XF	1351	42.8	4.7	1.13	28.3	83.8
BX 2296 B3XF	1348	44.7	4.8	1.14	29.1	82.7
1150A452-04	1348	45.0	4.5	1.14	33.6	83.4
BX 2297 B3XF	1296	43.3	4.3	1.12	27.2	81.3
Armor 9831 B3XF	1286	43.2	4.3	1.14	30.1	81.5
1150A453-04	1267	43.9	4.5	1.16	34.7	83.8
ST 5091 B3XF	1243	43.1	4.2	1.16	29.5	82.0
1140A385-04	1204	44.2	4.9	1.10	31.3	83.7
BX 2298 B3XF	1197	43.4	4.5	1.09	28.0	82.3
ST 4990 B3XF	1189	40.4	4.2	1.21	30.2	83.9
DP 2020 B3XF	1186	40.6	4.4	1.18	30.0	83.1
PHY 580 W3FE	1183	44.6	4.6	1.13	29.5	82.2
DP 1646 B2XF	1170	43.6	4.2	1.20	27.8	82.5
NG 5150 B3XF	1154	42.1	4.6	1.17	30.0	82.6
NG 3195 B3XF	1153	42.9	4.2	1.12	29.3	83.0
DP 2055 B3XF	1147	43.3	4.4	1.21	30.8	81.8
PHY 500 W3FE	1137	42.6	4.4	1.15	32.9	83.2
NG 5711 B3XF	1134	41.9	4.2	1.19	30.2	82.2
NG 4190 B3XF	1129	42.6	4.3	1.16	29.4	82.5
AMX20B037B3XF	1128	42.9	4.8	1.12	32.1	82.8
DG 3456 B3XF	1110	43.1	4.6	1.14	30.1	82.7
ST 4595 B3XF	1110	43.7	4.3	1.16	29.6	82.9
DP 2141NR B3XF	1094	42.1	5.0	1.13	31.5	82.1
ST 4993 B3XF	1086	42.7	4.6	1.11	30.3	83.0
PHY 545 W3FE	1075	43.3	4.4	1.11	30.6	82.4
DP 1840 B3XF	1067	41.1	4.2	1.17	31.8	82.4
1150A450-04	1064	42.5	4.6	1.14	31.4	82.9
DG 3644 B3XF	1061	40.9	4.9	1.15	34.6	83.2
NG 3729 B2XF	1053	40.4	4.6	1.17	29.6	83.2
1140A383-04	1050	41.0	4.2	1.19	31.9	82.7
DP 2239 B3XF	1046	43.0	4.4	1.20	29.7	82.8
PHY 411 W3FE	1036	42.9	4.5	1.13	30.6	83.1
DG 3535 B3XF	1030	42.4	4.5	1.15	29.6	82.2
DP 1822 XF	1027	40.7	4.4	1.21	34.7	82.9
PHY 443 W3FE	1012	41.9	4.0	1.15	30.5	82.9
PHY 400 W3FE	1004	42.6	4.0	1.12	29.9	81.2
PHY 332 W3FE	999	41.7	4.4	1.19	32.0	83.1

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1130A329-04	965	41.9	5.0	1.17	31.4	83.0
NG 4936 B3XF	964	41.2	4.4	1.18	30.0	83.9
PHY 390 W3FE	886	41.1	3.9	1.15	31.8	81.4
Average	1159	42.7	4.4	1.15	30.6	82.6
LSD at 10% level	154	0.02	0.4	0.04	1.8	1.3
CV	17	4	7	3	6	1
Model R-Square	0.66	0.82	0.71	0.80	0.84	0.64

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**IRRIGATED SHORT SEASON
WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL**

TABLE 9 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Armor 9371 B3XF	1399	41.8	4.1	1.06	26.4	81.8
DG H959 B3XF	1379	42.2	3.9	1.18	31.8	82.3
ST 5091 B3XF	1375	42.3	4.2	1.12	28.2	81.5
ST 4993 B3XF	1352	43.9	4.4	1.11	30.4	82.9
Armor 9608 B3XF	1348	45.3	4.0	1.15	28.2	81.8
DG 3535 B3XF	1321	42.4	4.1	1.15	28.2	82.6
AMX20B037B3XF	1315	43.3	4.8	1.10	31.8	84.1
BX 2297 B3XF	1308	43.1	4.3	1.10	26.3	81.0
DP 1822 XF	1274	42.2	4.3	1.14	30.7	82.3
1140A385-04	1274	43.2	4.6	1.09	30.5	83.6
DP 1646 B2XF	1261	44.0	4.3	1.21	28.4	83.2
ST 4595 B3XF	1261	43.4	4.2	1.12	27.9	82.0
DP 2012 B3XF	1235	43.4	4.1	1.16	30.0	82.6
BX 2298 B3XF	1233	43.1	4.4	1.07	26.4	82.4
NG 3195 B3XF	1217	43.3	4.3	1.11	30.0	82.1
1140A383-04	1205	42.2	4.0	1.16	31.1	82.3
BX 2296 B3XF	1197	42.3	4.5	1.13	28.4	82.2
PHY 443 W3FE	1195	42.3	4.4	1.10	29.8	83.0
NG 5711 B3XF	1185	42.5	4.2	1.16	28.8	81.8
PHY 400 W3FE	1182	43.0	4.0	1.13	30.4	81.7
PHY 411 W3FE	1169	43.8	4.3	1.04	28.6	81.5
DG 3456 B3XF	1119	42.5	4.3	1.12	28.5	82.4
NG 4190 B3XF	1117	41.5	4.0	1.12	27.9	82.1
NG 4936 B3XF	1114	40.5	4.0	1.18	30.0	84.1
PHY 332 W3FE	1100	40.6	4.1	1.14	29.9	81.6
NG 3729 B2XF	1098	40.2	4.3	1.13	27.5	82.6
ST 4990 B3XF	1088	40.8	4.2	1.14	29.4	82.2
DP 2115 B3XF	1057	43.2	4.3	1.07	27.7	81.7
PHY 360 W3FE	1031	41.5	4.6	1.10	28.5	82.0
1130A329-04	1025	41.6	4.6	1.11	30.7	81.7
NG 5150 B3XF	957	43.5	4.1	1.13	29.5	81.2
Average	1206	42.5	4.2	1.12	29.1	82.2
LSD at 10% level	181	N.S.	0.3	0.03	2.1	1.4
CV	15	4	6	4	6	1.1
Model R-Square	0.49	0.53	0.72	0.87	0.75	0.63

Bolded yields are NOT statistically different from the highest yielding entry.

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Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

**NON-IRRIGATED SHORT SEASON
WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL**

TABLE 10 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG H959 B3XF	1769	41.1	4.0	1.19	33.2	81.5
DP 2012 B3XF	1691	41.0	4.4	1.15	29.4	82.8
ST 5091 B3XF	1635	43.1	4.1	1.12	29.1	81.9
BX 2297 B3XF	1593	42.6	4.3	1.13	26.0	81.4
NG 5711 B3XF	1591	41.4	4.4	1.15	28.2	80.7
Armor 9371 B3XF	1579	43.1	4.1	1.12	27.6	82.7
1140A385-04	1568	43.7	4.3	1.10	29.8	83.1
BX 2296 B3XF	1558	42.9	4.6	1.13	28.8	81.9
AMX20B037B3XF	1551	43.2	4.8	1.12	31.6	83.8
DG 3535 B3XF	1547	41.8	4.0	1.15	28.4	81.4
ST 4993 B3XF	1543	43.9	4.8	1.09	29.7	83.3
DP 1646 B2XF	1514	43.2	4.1	1.18	28.1	82.6
ST 4595 B3XF	1479	42.9	4.2	1.13	28.4	81.8
NG 5150 B3XF	1464	43.1	4.2	1.17	29.0	82.5
DG 3456 B3XF	1456	44.6	4.2	1.12	27.3	82.0
ST 4990 B3XF	1421	41.0	4.1	1.15	28.8	82.9
NG 3195 B3XF	1415	42.4	4.2	1.08	29.3	82.1
BX 2298 B3XF	1383	41.6	4.4	1.08	27.1	81.8
PHY 411 W3FE	1373	42.0	4.2	1.06	30.1	81.8
PHY 400 W3FE	1370	41.7	4.1	1.09	28.9	80.3
1140A383-04	1362	41.9	3.9	1.15	31.1	81.5
PHY 360 W3FE	1356	41.5	4.3	1.12	29.8	81.6
Armor 9608 B3XF	1313	44.1	4.4	1.12	27.7	80.2
NG 4936 B3XF	1301	41.2	4.3	1.17	29.3	83.8
DP 2115 B3XF	1299	44.2	4.3	1.13	29.1	82.8
1130A329-04	1294	41.9	4.5	1.13	32.2	81.6
NG 4190 B3XF	1278	40.3	4.0	1.14	29.4	82.2
NG 3729 B2XF	1227	40.7	4.1	1.12	28.1	82.3
DP 1822 XF	1218	39.9	4.3	1.14	30.7	82.1
PHY 443 W3FE	1201	40.8	4.1	1.09	30.0	81.9
PHY 332 W3FE	1136	39.7	4.2	1.17	30.9	82.8
Average	1435	42.1	4.2	1.13	29.2	82.1
LSD at 10% level	174	0.01	0.3	0.04	1.7	1.4
CV	14	3	6	3	6	1.3
Model R-Square	0.60	0.86	0.70	0.81	0.82	0.71

Bolded yields are NOT statistically different from the highest yielding entry.

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Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

IRRIGATED FULL SEASON

E.V. SMITH RESEARCH AND EXTENSION CENTER FIELD CROPS UNIT - SHORTER, AL

TABLE 1 – LOCATION SPECIFIC DATA

This trial was planted on May 10. The resulting stand was not acceptable. The trial was replanted on June 14. Because this was a full season trial and it was replanted exceptionally late, yields were not representative of the varieties' potential.

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3615 B3XF	799	46.1	3.7	1.18	31.5	82.6
PHY 332 W3FE	762	41.5	3.6	1.24	30.6	82.7
NG 3729 B2XF	747	40.4	3.8	1.15	28.4	82.4
DP 2127 B3XF	724	43.3	4.1	1.12	28.6	83.1
ST 4595 B3XF	724	44.5	3.3	1.21	29.7	83.4
DP 2020 B3XF	721	41.6	3.6	1.23	31.8	83.5
DG 3456 B3XF	706	43.5	3.6	1.19	28.0	82.6
DP 1646 B2XF	697	43.6	3.5	1.25	28.1	81.7
NG 3195 B3XF	661	43.5	3.6	1.14	28.5	82.1
ST 5091 B3XF	659	43.5	3.4	1.18	29.4	82.6
DP 2141NR B3XF	653	43.0	4.0	1.17	30.9	82.9
AMX20B037B3XF	637	44.3	3.8	1.18	32.3	84.0
DP 2038 B3XF	637	45.0	3.7	1.11	28.6	80.1
PHY 443 W3FE	616	41.5	3.7	1.12	28.8	82.7
BX 2297 B3XF	613	44.7	3.7	1.17	27.7	82.4
DP 2012 B3XF	607	42.2	3.9	1.19	31.2	83.2
Armor 9831 B3XF	559	43.1	3.8	1.18	29.7	81.1
NG 4190 B3XF	556	42.8	3.4	1.16	29.8	82.7
ST 4990 B3XF	546	40.7	3.6	1.23	31.2	83.7
PHY 400 W3FE	517	44.2	3.6	1.16	30.1	82.2
DG 3799 B3XF	517	45.2	3.8	1.22	32.2	82.8
BX 2298 B3XF	503	43.2	3.7	1.11	28.0	82.2
BX 2296 B3XF	471	44.8	3.9	1.20	30.3	84.0
PHY 390 W3FE	469	41.6	3.4	1.12	28.8	81.8
ST 4993 B3XF	462	43.8	3.8	1.10	29.1	83.5
NG 4936 B3XF	451	40.0	3.5	1.25	30.1	83.8
DP 2055 B3XF	432	42.0	3.5	1.27	28.9	82.7
DG 3644 B3XF	415	42.9	4.3	1.18	31.9	82.9
DP 2239 B3XF	408	42.0	3.4	1.22	30.5	81.6
DG 3535 B3XF	383	41.7	3.7	1.21	30.0	83.5
PHY 545 W3FE	347	42.4	3.7	1.13	28.0	82.3
PHY 500 W3FE	310	41.5	3.3	1.17	30.4	82.7
PHY 580 W3FE	299	43.9	3.5	1.19	29.6	83.1
DP 1822 XF	281	41.2	3.6	1.21	31.4	83.1

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG 5150 B3XF	240	43.3	3.7	1.19	29.9	82.7
DP 1840 B3XF	224	41.4	3.3	1.19	29.5	82.3
NG 5711 B3XF	167	42.0	3.1	1.21	30.5	82.8
Average	528	42.9	3.6	1.18	29.8	82.7
LSD at 10% level	16	0.01	0.3	0.04	1.9	1.2
CV	39	4	7	4	5	1.2
Model R-Square	0.67	0.89	0.78	0.87	0.75	0.77

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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NON-IRRIGATED FULL SEASON

E.V. SMITH RESEARCH AND EXTENSION CENTER FIELD CROPS UNIT - SHORTER, AL

TABLE 12 – LOCATION SPECIFIC DATA

This trial was planted on May 10. The resulting stand was not acceptable. The trial was replanted on June 14. Because this was a full season trial and it was replanted exceptionally late, yields were not representative of the varieties' potential.

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2127 B3XF	745	43.4	4.2	1.09	28.2	84.4
ST 4595 B3XF	708	43.1	3.8	1.15	27.4	84.0
NG 4190 B3XF	690	42.7	3.8	1.13	27.8	84.2
DP 2239 B3XF	623	42.8	3.7	1.18	29.7	83.3
DP 2038 B3XF	621	46.8	4.0	1.08	29.8	82.7
NG 3195 B3XF	612	43.0	3.5	1.12	29.2	82.4
PHY 332 W3FE	612	39.4	3.7	1.18	30.0	83.5
DP 2012 B3XF	607	41.7	3.7	1.18	30.8	83.6
DG 3799 B3XF	598	46.5	3.8	1.16	31.1	83.4
ST 4993 B3XF	594	42.2	4.0	1.11	29.0	85.1
PHY 443 W3FE	587	42.9	3.8	1.08	30.4	83.4
DP 2141NR B3XF	586	43.2	4.4	1.14	31.6	83.7
AMX20B037B3XF	586	43.2	4.0	1.12	31.0	84.0
BX 2296 B3XF	584	43.2	4.0	1.17	30.1	84.7
NG 3729 B2XF	552	40.5	4.0	1.15	27.0	84.5
DG 3615 B3XF	545	43.8	3.8	1.17	30.6	82.5
DP 2020 B3XF	537	40.7	3.6	1.19	30.6	83.9
BX 2298 B3XF	535	41.7	3.8	1.07	26.9	82.5
ST 5091 B3XF	531	42.5	3.5	1.15	29.6	83.2
DG 3644 B3XF	525	41.7	3.7	1.23	30.5	84.2
DP 1646 B2XF	523	42.1	3.5	1.24	28.5	83.6
PHY 400 W3FE	521	44.0	3.6	1.13	31.5	83.1
Armor 9831 B3XF	513	42.1	3.9	1.12	30.8	83.3
DP 1822 XF	501	39.8	3.8	1.18	32.0	83.2
ST 4990 B3XF	499	39.0	3.8	1.13	28.7	84.7
PHY 390 W3FE	479	42.0	3.7	1.13	29.7	82.9
BX 2297 B3XF	468	42.4	4.0	1.14	27.2	83.8
DP 2055 B3XF	432	41.1	3.4	1.22	29.0	83.7
DG 3456 B3XF	409	41.7	3.5	1.13	27.8	83.5
DG 3535 B3XF	396	40.6	3.5	1.16	29.7	83.7
NG 5150 B3XF	387	41.6	3.7	1.15	28.9	83.1
DP 1840 B3XF	382	39.2	3.7	1.21	29.4	84.5
PHY 500 W3FE	375	41.0	3.2	1.13	31.8	82.7
PHY 545 W3FE	368	45.2	3.8	1.10	27.0	83.2

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 580 W3FE	357	44.0	4.1	1.13	28.1	84.1
NG 4936 B3XF	343	38.2	3.6	1.17	29.0	84.8
NG 5711 B3XF	243	40.0	3.3	1.22	30.0	83.1
Average	518	42.1	3.7	1.15	29.4	83.6
LSD at 10% level	211	0.02	0.4	0.04	1.7	1.3
CV	43	5	9	4	6	1.2
Model R-Square	0.52	0.81	0.72	0.89	0.80	0.70

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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IRRIGATED SHORT SEASON
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 13 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 5091 B3XF	1318	42.8	3.8	1.20	30.5	83.1
NG 4190 B3XF	1197	42.0	4.1	1.21	31.6	85.6
BX 2297 B3XF	1169	44.0	4.4	1.17	28.3	83.5
PHY 360 W3FE	1158	40.6	4.3	1.18	32.8	83.7
NG 3195 B3XF	1141	42.5	4.1	1.18	33.3	83.8
ST 4595 B3XF	1133	43.5	3.9	1.19	31.1	83.7
DG 3535 B3XF	1116	44.4	3.8	1.21	32.4	84.2
Armor 9371 B3XF	1112	42.6	4.1	1.18	33.4	85.1
ST 4990 B3XF	1072	39.1	4.1	1.24	32.7	85.7
DP 1646 B2XF	1062	42.6	3.8	1.27	30.7	84.2
NG 4936 B3XF	1043	41.5	4.2	1.25	32.3	86.4
PHY 443 W3FE	1043	39.6	4.1	1.15	33.4	84.0
PHY 411 W3FE	1041	42.9	4.3	1.10	33.0	83.2
PHY 332 W3FE	1029	41.6	4.3	1.21	34.5	83.2
1140A385-04	1019	43.6	4.5	1.15	33.3	85.0
ST 4993 B3XF	1018	44.6	4.5	1.15	33.0	85.7
AMX20B037B3XF	1005	43.9	4.6	1.17	36.3	85.0
BX 2296 B3XF	1001	46.0	4.4	1.18	33.5	84.4
DG H959 B3XF	991	39.8	4.1	1.22	35.4	82.2
1130A329-04	984	43.7	4.2	1.17	33.5	83.0
PHY 400 W3FE	973	39.6	3.9	1.22	35.1	84.5
DG 3456 B3XF	956	36.0	3.8	1.16	29.3	82.6
NG 3729 B2XF	946	40.6	4.5	1.20	31.7	84.9
DP 2115 B3XF	924	42.3	4.4	1.18	31.7	85.1
DP 2012 B3XF	917	41.5	4.3	1.20	32.9	84.1
Armor 9608 B3XF	897	43.9	4.4	1.19	30.7	85.2
DP 1822 XF	836	41.9	4.4	1.24	34.9	85.5
1140A383-04	830	41.9	4.3	1.22	33.5	84.2
BX 2298 B3XF	827	41.9	4.3	1.12	29.5	83.4
NG 5711 B3XF	820	41.2	4.0	1.17	31.4	82.5
NG 5150 B3XF	757	39.9	4.1	1.22	32.2	83.9
Average	1011	42.0	4.2	1.19	32.5	84.2
LSD at 10% level	197	1.6	0.4	0.03	1.5	1.5
CV	19	5	8	3	6	2
Model R-Square	0.46	0.90	0.72	0.89	0.89	0.77

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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NON-IRRIGATED SHORT SEASON
E.V. SMITH RESEARCH AND EXTENSION CENTER
FIELD CROPS UNIT - SHORTER, AL

TABLE 14 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 360 W3FE	1393	42.2	4.6	1.13	29.3	82.4
DG 3535 B3XF	1373	43.6	4.4	1.16	29.4	83.9
ST 4990 B3XF	1330	40.6	4.4	1.15	29.9	85.0
NG 3195 B3XF	1320	44.2	4.5	1.13	29.9	83.7
1140A383-04	1301	44.6	4.5	1.14	30.7	83.6
DP 1646 B2XF	1280	43.9	4.0	1.19	29.3	83.0
PHY 411 W3FE	1274	44.9	4.6	1.07	30.5	83.8
PHY 332 W3FE	1264	42.0	4.4	1.15	31.2	83.7
NG 4190 B3XF	1245	43.5	3.8	1.15	32.7	84.7
ST 5091 B3XF	1245	42.8	4.6	1.13	27.6	82.6
Armor 9371 B3XF	1232	44.0	4.6	1.10	30.0	84.3
1140A385-04	1213	43.2	4.8	1.10	29.9	84.3
NG 3729 B2XF	1203	41.7	4.6	1.14	29.1	84.3
DG H959 B3XF	1202	43.0	4.3	1.14	30.7	82.1
ST 4595 B3XF	1198	43.5	4.1	1.14	28.5	82.6
1130A329-04	1197	45.1	5.0	1.10	30.4	82.8
DP 2012 B3XF	1195	42.4	4.3	1.16	30.5	82.5
DP 1822 XF	1182	41.3	4.6	1.19	33.3	83.6
Armor 9608 B3XF	1160	44.9	4.2	1.13	28.4	82.7
NG 4936 B3XF	1153	40.3	4.3	1.18	28.9	84.7
PHY 400 W3FE	1150	43.2	4.2	1.13	30.2	83.6
BX 2297 B3XF	1136	44.4	4.5	1.13	27.2	83.3
ST 4993 B3XF	1136	43.9	5.0	1.11	30.9	84.9
PHY 443 W3FE	1099	44.6	4.7	1.07	29.0	83.0
BX 2296 B3XF	1098	44.2	5.0	1.14	28.0	84.6
AMX20B037B3XF	1086	44.5	4.8	1.11	31.0	83.7
DG 3456 B3XF	1073	45.1	4.3	1.13	27.2	83.0
NG 5150 B3XF	1019	41.9	4.2	1.16	29.0	82.1
DP 2115 B3XF	1010	43.0	4.3	1.11	28.0	83.0
BX 2298 B3XF	976	43.7	4.3	1.07	26.6	83.0
NG 5711 B3XF	923	42.6	4.2	1.17	29.3	84.0
Average	1183	43.3	4.4	1.13	29.5	83.5
LSD at 10% level	193	0.01	0.3	0.03	2.3	0.9
CV	17	3	7	3	6	1
Model R-Square	0.69	0.83	0.83	0.88	0.71	0.83

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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IRRIGATED FULL SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT PRATTVILLE, AL

TABLE 15 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Armor 9831 B3XF	1542	43.5	4.6	1.16	32.1	82.8
DP 2239 B3XF	1539	46.6	4.9	1.17	30.7	84.7
DG 3799 B3XF	1518	45.0	4.6	1.17	31.7	83.5
DP 2127 B3XF	1459	45.4	4.4	1.18	31.0	84.0
DP 1646 B2XF	1448	46.5	4.7	1.19	30.5	83.6
BX 2297 B3XF	1419	46.3	4.7	1.14	27.7	83.0
PHY 545 W3FE	1416	45.7	4.3	1.12	31.3	82.6
DP 2055 B3XF	1413	44.5	4.9	1.20	30.9	83.2
PHY 443 W3FE	1405	44.4	4.6	1.14	33.5	84.5
NG 3195 B3XF	1386	47.3	4.5	1.14	31.0	84.4
BX 2296 B3XF	1373	45.3	5.1	1.15	31.2	84.7
ST 4993 B3XF	1354	45.9	4.9	1.12	32.6	84.5
BX 2298 B3XF	1352	46.0	4.9	1.11	29.6	82.7
ST 4595 B3XF	1348	46.4	4.5	1.17	29.5	83.9
DP 1840 B3XF	1332	44.7	4.5	1.17	31.4	82.9
1150A450-04	1319	43.0	4.8	1.14	35.2	84.5
DG 3615 B3XF	1313	44.8	4.6	1.13	32.4	83.4
1150A452-04	1310	45.5	4.6	1.11	34.5	82.9
PHY 580 W3FE	1285	45.5	4.4	1.14	33.3	83.9
DP 2038 B3XF	1280	49.2	4.7	1.09	29.0	80.7
PHY 411 W3FE	1278	48.0	4.7	1.07	29.8	81.9
DG 3535 B3XF	1262	45.8	4.3	1.17	29.8	83.5
DP 2012 B3XF	1261	45.9	4.3	1.15	30.2	83.9
NG 5150 B3XF	1260	44.1	4.6	1.18	30.7	83.6
1140A385-04	1256	47.4	4.8	1.14	34.0	84.4
1150A453-04	1256	42.4	4.7	1.13	36.1	83.3
NG 4190 B3XF	1254	46.1	4.5	1.15	29.4	83.9
1140A383-04	1248	45.0	4.6	1.18	34.0	84.6
ST 5091 B3XF	1241	45.2	4.1	1.17	30.7	82.8
AMX20B037B3XF	1217	46.5	4.8	1.15	33.0	84.3
PHY 332 W3FE	1200	42.8	4.3	1.19	32.5	84.3
DG 3644 B3XF	1196	46.9	4.9	1.16	34.1	82.5
NG 4936 B3XF	1190	43.6	4.3	1.20	30.5	84.9

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 390 W3FE	1187	45.1	4.3	1.15	31.7	83.0
NG 5711 B3XF	1175	43.2	4.3	1.18	31.4	83.6
PHY 500 W3FE	1167	44.2	4.3	1.13	32.6	83.5
ST 4990 B3XF	1166	43.5	4.4	1.18	29.8	83.9
DG 3456 B3XF	1156	44.1	4.3	1.18	31.0	84.4
1130A329-04	1152	47.6	5.0	1.15	33.0	84.3
DP 2141NR B3XF	1151	46.2	4.5	1.16	33.3	83.9
DP 2020 B3XF	1127	43.3	4.3	1.20	32.8	84.3
PHY 400 W3FE	1088	45.7	4.3	1.16	32.8	82.5
NG 3729 B2XF	1068	44.1	4.7	1.15	30.8	84.2
DP 1822 XF	947	43.2	4.1	1.20	34.1	83.6
Average	1280	45.3	4.5	1.15	31.7	83.6
LSD at 10% level	183	0.03	0.3	0.03	1.8	1.4
CV	15	5	6	3	6	1.2
Model R-Square	0.49	0.63	0.77	0.81	0.86	0.66

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

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NON-IRRIGATED FULL SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT PRATTVILLE, AL

TABLE 16 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2055 B3XF	1962	44.9	4.4	1.24	32.7	84.4
BX 2297 B3XF	1794	43.5	4.5	1.13	27.6	82.1
DG 3799 B3XF	1746	43.1	4.3	1.17	32.1	82.5
Armor 9831 B3XF	1721	44.3	4.1	1.17	32.0	82.5
1150A452-04	1705	43.9	4.3	1.14	34.6	84.1
DP 1646 B2XF	1702	44.1	4.4	1.23	30.5	83.6
DP 2239 B3XF	1700	44.3	4.5	1.21	30.3	83.6
PHY 545 W3FE	1656	44.6	4.1	1.17	32.1	83.6
BX 2296 B3XF	1628	45.1	4.8	1.14	31.0	82.5
DP 2020 B3XF	1618	42.0	4.2	1.22	31.7	84.4
1130A329-04	1613	44.4	4.7	1.20	33.4	84.1
ST 4993 B3XF	1588	43.5	4.1	1.18	32.9	84.6
NG 4190 B3XF	1585	44.8	4.3	1.17	30.4	83.7
DP 2012 B3XF	1576	43.8	4.3	1.19	30.4	83.4
ST 4990 B3XF	1573	41.4	4.2	1.20	31.2	85.6
DG 3456 B3XF	1570	44.8	4.3	1.16	29.3	82.6
DP 1840 B3XF	1551	42.9	4.1	1.20	33.1	83.2
DG 3535 B3XF	1549	42.6	3.7	1.20	33.6	83.4
BX 2298 B3XF	1541	43.7	4.6	1.13	28.4	82.7
DP 2038 B3XF	1535	45.6	4.3	1.13	30.1	81.0
NG 5150 B3XF	1531	43.7	4.2	1.16	32.7	82.4
ST 4595 B3XF	1521	44.1	4.3	1.17	29.7	83.4
NG 3195 B3XF	1511	44.0	4.0	1.15	29.8	82.9
DG 3615 B3XF	1506	43.3	3.9	1.19	33.5	83.7
1140A383-04	1502	44.6	4.2	1.18	32.8	83.8
1150A450-04	1499	44.8	4.3	1.12	32.1	82.5
NG 5711 B3XF	1493	42.5	4.1	1.18	30.8	82.8
PHY 580 W3FE	1483	43.4	3.8	1.17	31.9	84.2
PHY 400 W3FE	1480	44.9	4.1	1.18	32.7	83.3
AMX20B037B3XF	1478	44.5	4.3	1.14	34.7	84.3
DP 2127 B3XF	1474	44.9	4.5	1.14	30.7	83.6
1140A385-04	1458	44.2	4.3	1.15	33.1	84.6
DP 2141NR B3XF	1457	45.1	4.5	1.18	32.6	83.5
PHY 443 W3FE	1442	45.4	4.2	1.11	31.7	82.2

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 332 W3FE	1438	45.0	4.1	1.18	31.3	83.4
ST 5091 B3XF	1433	44.8	4.0	1.15	28.9	81.4
NG 3729 B2XF	1429	43.4	4.3	1.19	31.0	83.8
PHY 411 W3FE	1422	46.6	4.4	1.11	30.5	83.0
NG 4936 B3XF	1397	41.3	3.9	1.24	31.8	85.6
PHY 500 W3FE	1396	43.2	4.0	1.16	34.3	84.1
DG 3644 B3XF	1393	42.9	4.5	1.20	35.0	83.0
PHY 390 W3FE	1372	45.3	4.0	1.17	32.2	83.2
1150A453-04	1339	44.8	4.4	1.14	35.4	84.7
DP 1822 XF	1091	42.4	4.3	1.18	32.3	82.4
Average	1533	44.0	4.2	1.17	31.8	83.4
LSD at 10% level	247	0.02	0.4	0.04	1.9	1.6
CV	15	3	7	3	6	1
Model R-Square	0.38	0.64	0.62	0.81	0.83	0.69

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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IRRIGATED SHORT SEASON
PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 17 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
BX 2298 B3XF	1752	43.0	4.3	1.18	32.9	85.6
NG 5150 B3XF	1560	43.2	4.2	1.17	33.2	84.4
DG 3535 B3XF	1559	39.8	3.4	1.24	34.5	84.5
BX 2297 B3XF	1549	42.1	3.8	1.18	32.6	84.2
ST 4990 B3XF	1509	42.4	4.0	1.18	34.0	83.8
NG 4936 B3XF	1498	42.3	3.9	1.14	31.3	83.2
ST 5091 B3XF	1472	41.4	3.9	1.20	31.4	83.6
PHY 443 W3FE	1472	40.5	3.5	1.20	31.9	82.7
PHY 332 W3FE	1462	41.1	4.0	1.11	30.6	83.2
AMX20B037B3XF	1451	40.8	3.7	1.21	32.3	83.7
ST 4993 B3XF	1445	41.4	3.3	1.20	31.6	84.9
Armor 9608 B3XF	1437	40.5	4.0	1.18	32.6	84.2
Armor 9371 B3XF	1434	41.8	4.2	1.18	31.1	83.7
NG 3729 B2XF	1431	40.9	3.7	1.23	32.2	83.8
DG H959 B3XF	1411	42.0	3.9	1.16	31.4	84.3
ST 4595 B3XF	1387	41.8	3.7	1.20	34.1	84.0
DP 2115 B3XF	1385	40.1	3.8	1.21	31.1	84.6
1130A329-04	1384	42.0	4.0	1.23	33.5	84.7
PHY 411 W3FE	1374	41.4	3.9	1.19	35.7	83.9
DP 2012 B3XF	1372	40.4	3.7	1.26	32.7	84.2
NG 3195 B3XF	1365	37.9	3.8	1.23	32.8	83.6
PHY 360 W3FE	1364	41.3	3.9	1.22	30.2	84.6
DP 1646 B2XF	1362	41.9	4.0	1.21	33.8	84.7
PHY 400 W3FE	1352	41.5	4.0	1.18	31.9	84.2
1140A383-04	1347	38.8	3.7	1.24	32.3	84.1
1140A385-04	1311	41.7	3.6	1.19	33.2	83.7
DP 1822 XF	1311	40.6	4.0	1.18	32.7	82.9
BX 2296 B3XF	1305	40.6	3.6	1.16	33.3	82.9
NG 4190 B3XF	1287	37.9	3.9	1.23	34.5	85.0
DG 3456 B3XF	1254	41.4	3.8	1.20	31.6	83.7
NG 5711 B3XF	1243	40.0	3.7	1.23	33.4	85.8
Average	1414	41.0	3.8	1.19	32.6	84.0
LSD at 10% level	N.S.	N.S.	N.S.	0.06	N.S.	N.S.
CV	13	5	8	3	6	1
Model R-Square	0.33	0.44	0.53	0.65	0.44	0.49

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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**NON-IRRIGATED SHORT SEASON
PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL**

TABLE 18 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4595 B3XF	1738	43.0	4.5	1.20	30.6	85.0
ST 5091 B3XF	1727	42.6	4.0	1.20	32.3	84.0
DG H959 B3XF	1722	41.4	4.4	1.25	33.6	83.7
BX 2296 B3XF	1704	46.6	4.6	1.19	30.7	84.4
NG 4190 B3XF	1621	40.5	4.1	1.20	32.5	84.5
Armor 9371 B3XF	1618	42.1	4.3	1.17	32.4	86.0
ST 4993 B3XF	1564	44.1	4.9	1.17	33.2	86.6
DP 1646 B2XF	1548	42.4	4.3	1.25	31.4	85.0
DP 2115 B3XF	1534	43.0	4.6	1.15	30.6	83.9
1140A385-04	1522	44.2	4.5	1.17	35.3	87.1
DG 3535 B3XF	1521	41.9	3.9	1.21	31.8	83.9
AMX20B037B3XF	1501	43.0	4.8	1.16	34.8	85.9
NG 5150 B3XF	1489	41.2	4.2	1.20	31.7	84.2
PHY 400 W3FE	1472	43.2	4.4	1.19	33.6	85.7
DP 2012 B3XF	1471	40.7	4.5	1.20	33.5	85.3
BX 2297 B3XF	1463	41.8	4.4	1.17	28.1	83.8
Armor 9608 B3XF	1459	43.9	3.9	1.21	31.9	83.4
DG 3456 B3XF	1457	43.1	4.4	1.18	30.3	83.9
ST 4990 B3XF	1456	39.0	4.1	1.24	33.4	85.7
NG 5711 B3XF	1456	39.7	4.1	1.22	31.4	83.8
BX 2298 B3XF	1422	41.9	4.5	1.11	29.9	82.8
NG 3195 B3XF	1416	43.2	4.4	1.14	32.9	84.3
PHY 411 W3FE	1393	42.9	4.5	1.12	33.1	84.0
1140A383-04	1339	39.5	4.0	1.24	34.9	84.8
NG 3729 B2XF	1329	39.5	4.6	1.21	32.4	85.5
PHY 443 W3FE	1321	42.0	4.3	1.15	34.6	84.5
NG 4936 B3XF	1293	39.1	4.1	1.24	31.6	84.8
DP 1822 XF	1290	40.9	4.4	1.23	35.8	84.2
PHY 332 W3FE	1275	40.5	4.4	1.22	34.6	84.6
PHY 360 W3FE	1273	40.3	4.1	1.18	33.4	84.2
1130A329-04	1201	41.3	4.7	1.18	33.4	85.4
Average	1471	41.9	4.3	1.19	32.6	84.6
LSD at 10% level	171	0.02	0.4	0.03	1.7	1.4
CV	13	5	7	3	6	1
Model R-Square	0.58	0.77	0.67	0.88	0.86	0.78

Bolded yields are NOT statistically different from the highest yielding entry.

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Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

IRRIGATED FULL SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 19 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 5091 B3XF	1863	44.9	4.3	1.15	28.3	80.8
DP 2239 B3XF	1853	44.7	4.3	1.22	30.6	83.9
ST 4990 B3XF	1818	41.5	4.5	1.19	31.2	85.7
ST 4993 B3XF	1815	46.9	4.7	1.15	31.2	84.8
AMX20B037B3XF	1813	46.0	4.9	1.17	32.3	84.8
PHY 411 W3FE	1807	46.8	4.7	1.11	30.3	83.3
PHY 443 W3FE	1806	44.5	4.7	1.13	31.4	83.6
ST 4595 B3XF	1804	44.6	4.5	1.21	29.9	84.8
DP 2012 B3XF	1804	44.5	4.5	1.21	31.4	85.5
1140A383-04	1797	44.6	4.5	1.19	32.7	83.5
DP 1646 B2XF	1792	44.5	4.4	1.25	30.2	84.7
BX 2298 B3XF	1782	45.4	4.6	1.10	29.2	83.6
DG 3535 B3XF	1765	44.2	4.5	1.21	30.3	84.2
NG 5150 B3XF	1749	47.7	4.7	1.18	30.4	83.4
DP 2038 B3XF	1726	48.6	4.5	1.12	28.9	83.5
NG 3195 B3XF	1707	45.1	4.5	1.19	31.4	85.7
DP 2141NR B3XF	1691	45.6	4.8	1.23	33.1	85.4
1130A329-04	1685	46.6	4.5	1.20	32.5	84.6
PHY 545 W3FE	1661	45.9	4.1	1.15	30.5	83.8
BX 2297 B3XF	1661	45.9	4.6	1.16	28.2	83.1
PHY 400 W3FE	1658	44.5	4.2	1.19	32.6	84.1
1140A385-04	1647	45.4	4.7	1.13	32.2	84.6
DP 2055 B3XF	1644	47.3	4.5	1.22	31.4	83.6
DP 2127 B3XF	1634	46.1	5.0	1.14	30.8	85.2
DG 3799 B3XF	1613	45.1	4.3	1.19	31.1	82.5
DG 3615 B3XF	1603	45.4	4.4	1.15	30.8	81.5
NG 3729 B2XF	1603	43.6	4.9	1.18	30.2	85.8
DG 3456 B3XF	1588	45.8	4.6	1.19	29.8	83.8
1150A453-04	1583	46.3	4.5	1.17	33.5	85.5
DP 1840 B3XF	1570	43.7	4.0	1.24	31.1	84.5
PHY 390 W3FE	1551	45.2	4.1	1.16	31.9	82.9
PHY 580 W3FE	1548	46.2	4.4	1.19	30.6	84.0
NG 4190 B3XF	1547	45.0	4.4	1.20	30.4	85.3

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Armor 9831 B3XF	1546	45.0	4.6	1.17	30.0	83.0
DP 1822 XF	1546	43.8	4.5	1.21	33.5	83.9
PHY 500 W3FE	1512	46.0	3.8	1.14	32.6	83.6
BX 2296 B3XF	1505	44.2	4.3	1.19	31.7	84.9
DP 2020 B3XF	1497	43.0	4.3	1.22	32.9	85.1
DG 3644 B3XF	1480	45.8	4.9	1.19	32.7	82.0
1150A450-04	1473	45.6	4.5	1.16	30.9	84.1
1150A452-04	1471	46.5	4.1	1.13	32.6	84.1
NG 4936 B3XF	1426	42.9	4.6	1.22	30.0	84.6
NG 5711 B3XF	1406	43.6	4.7	1.22	30.5	83.2
PHY 332 W3FE	1390	38.6	4.4	1.21	31.5	82.7
Average	1646	45.1	4.5	1.18	31.1	84.0
LSD at 10% level	204	0.03	N.S.	0.04	2.0	1.6
CV	12	4	8	3	5	1.5
Model R-Square	0.46	0.69	0.50	0.84	0.71	0.73

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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NON-IRRIGATED FULL SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 20 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 443 W3FE	1649	46.3	4.6	1.14	31.4	84.4
DP 2038 B3XF	1634	51.2	5.2	1.09	29.6	82.2
ST 4595 B3XF	1631	46.2	4.6	1.17	30.4	83.8
ST 5091 B3XF	1612	47.5	4.5	1.18	30.1	83.2
DP 1646 B2XF	1585	48.1	4.7	1.20	29.9	84.0
DP 2239 B3XF	1582	47.0	4.7	1.19	30.4	84.3
NG 3195 B3XF	1553	47.4	4.8	1.15	31.3	85.1
PHY 411 W3FE	1553	47.4	5.0	1.10	30.5	83.7
PHY 332 W3FE	1548	45.9	4.6	1.19	31.3	83.7
AMX20B037B3XF	1532	47.4	5.0	1.16	33.9	86.0
DP 2127 B3XF	1529	48.2	5.1	1.14	30.4	84.7
DG 3535 B3XF	1485	45.2	4.4	1.19	31.8	84.4
DP 2055 B3XF	1463	45.9	4.5	1.24	31.4	84.6
DG 3456 B3XF	1460	46.8	4.4	1.21	30.1	86.2
BX 2298 B3XF	1459	48.1	5.0	1.12	29.3	84.4
1140A385-04	1459	47.8	5.0	1.14	32.8	85.5
NG 4190 B3XF	1443	46.4	4.7	1.21	31.1	86.3
BX 2297 B3XF	1438	47.3	5.0	1.13	28.1	82.9
ST 4993 B3XF	1427	47.4	5.0	1.15	33.0	85.2
DP 1840 B3XF	1423	45.2	4.7	1.20	31.8	83.9
BX 2296 B3XF	1416	47.3	5.2	1.19	30.9	85.5
PHY 545 W3FE	1413	48.4	4.5	1.11	30.4	83.3
Armor 9831 B3XF	1400	46.4	5.0	1.17	32.3	83.4
DP 2020 B3XF	1388	43.3	4.4	1.24	33.1	85.0
ST 4990 B3XF	1367	43.2	4.8	1.18	31.2	85.6
NG 4936 B3XF	1346	43.3	4.6	1.21	31.5	85.5
1130A329-04	1346	48.3	4.9	1.17	32.1	83.9
PHY 500 W3FE	1335	46.6	4.3	1.12	32.3	83.2
DP 2012 B3XF	1334	44.7	4.6	1.20	32.2	85.2
NG 5711 B3XF	1333	44.9	4.4	1.23	31.8	84.7
PHY 390 W3FE	1329	46.4	4.3	1.18	32.6	83.8
1150A450-04	1327	47.1	4.9	1.14	32.3	84.0
1150A452-04	1310	46.9	4.3	1.13	33.8	83.6
PHY 400 W3FE	1310	47.1	4.5	1.16	31.8	83.0

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3615 B3XF	1307	45.5	4.9	1.16	31.3	83.8
1140A383-04	1306	46.0	4.5	1.22	33.2	85.3
DP 2141NR B3XF	1303	46.7	5.1	1.16	32.8	83.8
DG 3644 B3XF	1288	46.3	5.0	1.20	34.1	84.1
NG 3729 B2XF	1263	44.1	4.7	1.18	30.2	85.2
PHY 580 W3FE	1230	46.8	4.4	1.16	31.9	84.6
DG 3799 B3XF	1207	47.6	4.8	1.16	31.4	83.2
NG 5150 B3XF	1205	44.8	4.6	1.21	30.8	84.6
DP 1822 XF	1165	43.8	4.6	1.19	33.6	83.6
1150A453-04	1071	46.1	4.8	1.15	34.2	84.3
Average	1404	46.5	4.7	1.17	31.6	84.3
LSD at 10% level	212	1.3	0.3	0.04	2.1	1.4
CV	15	4	6	3	5	1.3
Model R-Square	0.46	0.89	0.84	0.83	0.72	0.73

Bolded yields are NOT statistically different from the highest yielding entry.
Bolded line in table indicates test average.
N.S. –differences are statistically non-significant.

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IRRIGATED SHORT SEASON
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 21 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 5091 B3XF	1804	43.6	3.9	1.21	29.4	83.4
DP 2115 B3XF	1760	44.9	4.3	1.19	29.7	84.2
1140A385-04	1738	47.1	4.7	1.17	29.8	85.3
1140A383-04	1709	44.4	4.4	1.23	32.0	85.1
ST 4595 B3XF	1689	45.8	4.3	1.19	28.8	84.2
ST 4993 B3XF	1675	45.6	4.8	1.17	30.5	85.4
BX 2298 B3XF	1671	44.5	4.7	1.13	28.0	83.0
BX 2297 B3XF	1658	44.5	4.6	1.18	28.5	84.7
PHY 443 W3FE	1651	43.3	4.5	1.13	30.4	83.6
PHY 411 W3FE	1649	45.2	4.4	1.12	29.3	83.1
DP 1646 B2XF	1645	44.6	4.3	1.25	28.8	84.0
AMX20B037B3XF	1627	46.0	4.8	1.19	33.6	85.3
PHY 332 W3FE	1611	43.9	4.6	1.18	29.5	83.7
PHY 360 W3FE	1609	43.8	4.4	1.17	28.4	82.6
Armor 9608 B3XF	1596	47.0	4.2	1.16	27.8	83.0
DP 2012 B3XF	1592	43.6	4.3	1.19	30.2	83.8
NG 3195 B3XF	1583	45.3	4.8	1.15	30.6	84.6
ST 4990 B3XF	1579	40.5	4.2	1.22	29.5	85.1
DG 3456 B3XF	1553	45.2	4.3	1.19	28.0	84.2
Armor 9371 B3XF	1545	45.2	4.3	1.16	27.9	84.8
DG H959 B3XF	1523	42.4	4.3	1.18	31.2	83.3
1130A329-04	1513	45.5	4.6	1.18	29.5	83.3
NG 4190 B3XF	1501	44.7	4.1	1.16	28.0	83.6
DG 3535 B3XF	1484	43.3	4.2	1.21	30.7	84.5
PHY 400 W3FE	1471	44.9	4.2	1.18	31.9	83.3
NG 4936 B3XF	1422	40.0	4.1	1.23	28.7	85.2
NG 5150 B3XF	1350	42.7	4.4	1.20	29.6	83.6
DP 1822 XF	1341	42.6	4.5	1.22	32.1	83.3
NG 3729 B2XF	1321	42.3	4.3	1.20	29.4	84.0
BX 2296 B3XF	1308	45.7	4.8	1.18	28.8	84.7
NG 5711 B3XF	1256	43.2	4.5	1.24	30.5	83.8
Average	1562	44.2	4.4	1.18	29.7	84.0
LSD at 10% level	171	0.01	0.3	0.03	1.8	1.3
CV	12	4	6	3	5	1.2
Model R-Square	0.56	0.91	0.72	0.88	0.78	0.69

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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NON-IRRIGATED SHORT SEASON
TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

TABLE 22 – LOCATION SPECIFIC DATA

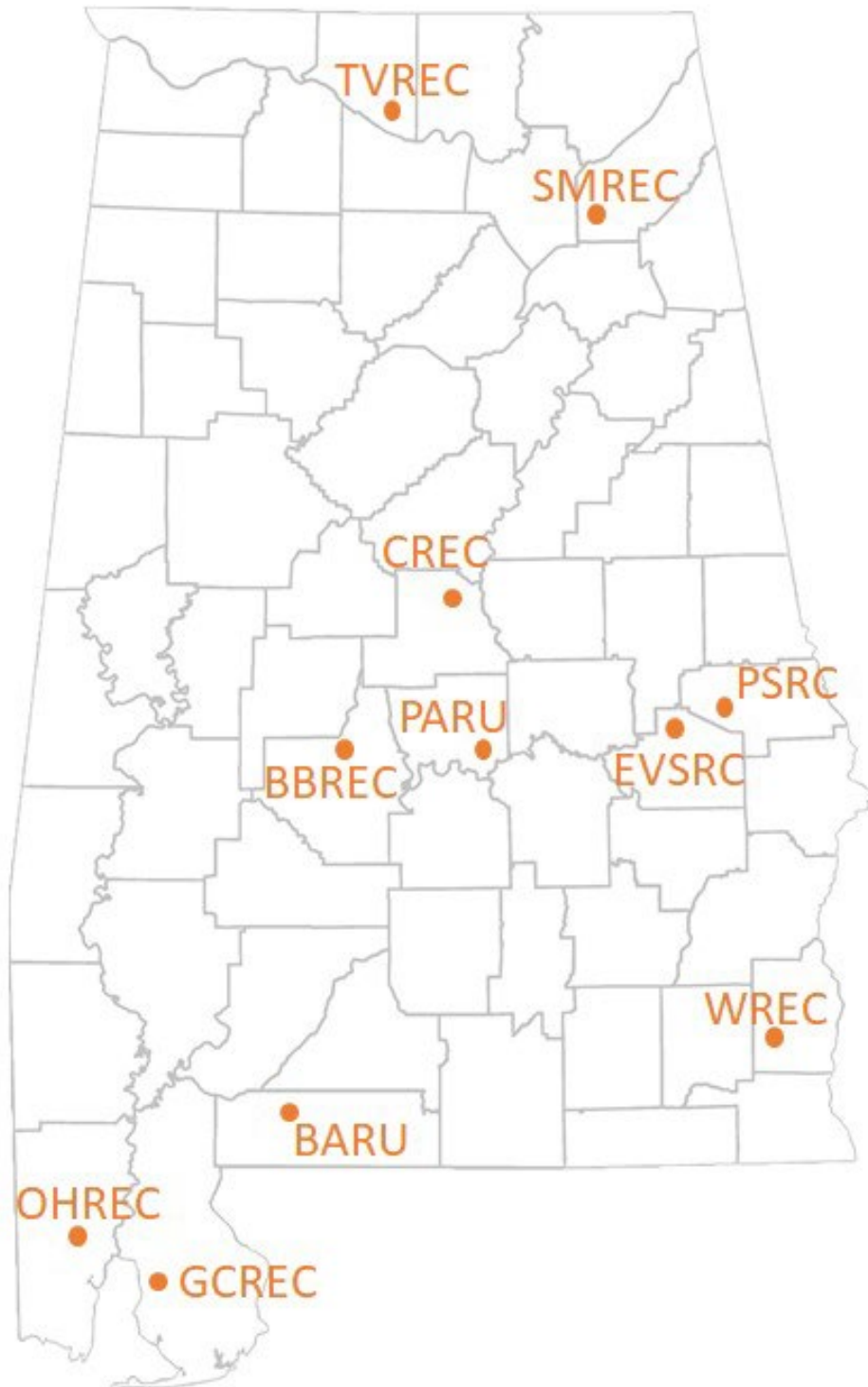
Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
AMX20B037B3XF	1541	46.2	4.8	1.18	32.0	84.5
ST 5091 B3XF	1520	44.0	3.7	1.21	30.0	82.2
BX 2297 B3XF	1432	46.1	4.3	1.14	27.5	82.6
ST 4990 B3XF	1425	41.5	4.4	1.19	29.8	84.7
PHY 400 W3FE	1401	45.0	4.4	1.17	32.0	83.5
PHY 443 W3FE	1396	44.6	4.6	1.14	30.0	83.8
Armor 9608 B3XF	1394	45.8	4.1	1.19	30.3	83.2
DG 3535 B3XF	1381	44.2	4.3	1.23	30.2	85.2
ST 4993 B3XF	1376	46.2	4.5	1.14	32.3	84.3
BX 2298 B3XF	1364	44.8	4.7	1.13	28.6	83.5
Armor 9371 B3XF	1330	45.3	4.4	1.13	29.3	84.1
DP 2012 B3XF	1318	42.5	4.1	1.20	33.5	84.0
PHY 360 W3FE	1303	43.7	4.4	1.17	29.6	82.9
DP 2115 B3XF	1286	45.5	4.5	1.16	30.7	84.4
DP 1822 XF	1272	43.5	4.4	1.22	33.0	83.1
PHY 332 W3FE	1272	42.6	4.2	1.21	32.4	84.8
DG 3456 B3XF	1260	45.5	4.1	1.19	28.6	84.3
NG 3195 B3XF	1254	44.8	4.5	1.20	30.9	84.7
DP 1646 B2XF	1241	44.3	4.3	1.26	29.8	83.0
ST 4595 B3XF	1237	43.1	4.6	1.20	29.3	83.6
NG 5150 B3XF	1219	43.1	4.1	1.21	29.8	83.4
NG 4190 B3XF	1207	44.0	3.9	1.20	29.9	84.3
NG 4936 B3XF	1203	41.6	4.4	1.22	30.1	85.5
BX 2296 B3XF	1198	45.8	4.6	1.16	29.1	84.4
1140A383-04	1172	42.9	4.2	1.2	32.2	84.4
1140A385-04	1161	47.0	4.7	1.15	31.3	84.9
PHY 411 W3FE	1148	43.8	4.1	1.12	30.8	83.0
1130A329-04	1146	46.0	4.6	1.2	31.1	84.0
DG H959 B3XF	1131	42.4	4.2	1.16	30.1	83.9
NG 3729 B2XF	1086	41.5	4.6	1.20	28.7	84.1
NG 5711 B3XF	1034	43.1	4.5	1.24	31.3	83.9
Average	1281	44.2	4.3	1.18	30.4	83.9
LSD at 10% level	176	0.01	0.4	0.03	1.5	1.2
CV	15	4	7	3	5	1.1
Model R-Square	0.57	0.91	0.74	0.91	0.84	0.73

Bolded yields are NOT statistically different from the highest yielding entry.

Bolded line in table indicates test average.

N.S. –differences are statistically non-significant.

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