



AUBURN

AGRICULTURE

# PERFORMANCE OF COTTON VARIETIES IN ALABAMA, 2022

DEPT. SERIES NO. CSES2022: COTTON  
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CROP, SOIL & ENVIRONMENTAL SCIENCES  
AUBURN UNIVERSITY, AUBURN AL  
JANUARY 3, 2023

## 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.**

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**WIREGRASS RESEARCH AND EXTENSION CENTER  
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**E.V. SMITH RESEARCH AND EXTENSION CENTER  
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**WEBSITE**

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## 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	Brewton	Gulf Coast
Location	Belle Mina	Shorter	Prattville	Headland	Brewton	Fairhope
Region	North	Central	Central	South	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 Dry Short Season Dry
Full Season Plant/Harvest	April 28 September 23	May 4 October 11	May 19 October 10/17	May 11 Oct 31-Nov 4	May 4 September 27	June 2 October 17
Short Season Plant/Harvest	May 19 October 28	June 2 October 27	June 7 October 20	June 2 Oct 31-Nov 4	November 9	June 2 October 17
Soil Type	Decatur Silt Loam	Marvyn Sandy Loam	Lucedale Fine Sandy Loam	Dothan Sandy Loam	Benndale Fine Sandy Loam	Malbis Fine Sandy Loam
Row Spacing (inches)	40	36	36	36	36	38
Tillage	No-Till	Strip Till	Strip-Till	Strip Till	Strip Till	No-Till
Irrigation (inches)	2.9	2.25	11.25	7.3	None	None
Fertilization	105N-40P-40K Full Dry 123N-46P-60K Full Irr	90N-0P-0K	99N-69P-150K Full	90N-0P-120K-20S	117N-57P-116K-4.8S Full	72N-57K-113

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Brewton	Gulf Coast
<b>Herbicides</b>	Clethodim Cotoran Roundup Staple Suptend	Diuron Liberty Reflex Valor	Compact Cotoran Liberty Prowl Reflex Roundup	Diuron Dual Liberty MSMA Reflex Roundup Warrant	Prowl Roundup Warrant	Cotoran Dual Liberty Makaze
<b>Insecticides</b>	Bidrin Bifenthrin Centric	Bracket	Bidrin	Bidrin Imidiclopid	Sniper	None
<b>Fungicides</b>	None	None	None	None	None	None
<b>Test Conducted By</b>	D. Harkins	H. Mote	J. Canterbury C. Henderson	C. Parker	B. Miller	M. Pegues J. Jones

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# SEED SOURCES

**TABLE 2 – SEED SOURCE AND VARIETY NAME**

Source	Variety
Americot	NG 3195 B3XF NG 4190 B3XF NG 5150 B3XF
BASF - Stoneville	ST 4595B3XF ST 4990B3XF ST 5091B3XF BX 2392B3XF BX 2394B3XF BX 2396B3XF BX 2398B3XF
Bayer Crop Science	DP 2012 B3XF DP 2020 B3XF DP 2038 B3XF DP 2115 B3XF DP 2127 B3XF DP 2239 B3XF DP 2055 B3XF DP 2333 B3XF 20R745NRB3XF DP 2349NR B3XF DP 2141NR B3XF DP 1646 B2XF DP 1822 XF

Source	Variety
Corteva Agriscience	1130B333-04 1130B336-04 PHY 415 W3FE 1140A385-04 1140B373-04 1150A450-04 1150B431-04 1150B434-04 1150B435-04 1150B437-04 PHY 332 W3FE PHY 443 W3FE PHY 545 W3FE PHY 360 W3FE PHY 400 W3FE PHY 411 W3FE
Dyna-Gro	DG 3456 B3XF DG 3511 B3XF DG 3519 B3XF DG 3528 B3XF DG 3535 B3XF DG 3615 B3XF DG 3799 B3XF H959 B3XF
Land O' Lakes	Armor 9371 B3XF Armor 9831 B3XF

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**TABLE 3 – 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 4 – LOCATION SPECIFIC DATA**

This trial was replanted on June 2. As a result, the varieties were subjected to short-season conditions.

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4595B3XF	1201	42.0	4.7	1.15	30.2	83.2
1140A385-04	1193	45.4	4.8	1.14	33.0	84.6
PHY 360 W3FE	1186	42.0	4.6	1.13	28.5	82.4
1140B373-04	1115	43.5	4.9	1.15	34.6	84.3
1150B437-04	1106	43.0	4.6	1.10	33.9	82.2
DG 3519 B3XF	1054	43.1	4.5	1.15	33.4	84.0
DP 2127 B3XF	1053	42.0	4.9	1.12	30.6	83.7
PHY 411 W3FE	1049	45.6	4.7	1.13	31.5	82.6
NG 3195 B3XF	1019	43.2	4.6	1.11	29.8	82.2
1130B333-04	976	42.2	4.5	1.16	34.8	84.1
PHY 415 W3FE	971	43.5	4.6	1.18	33.8	83.7
DG H959 B3XF	966	41.9	4.8	1.19	33.6	84.9
DP 1646 B2XF	948	43.9	4.3	1.20	29.5	83.1
DP 2038 B3XF	930	45.5	4.8	1.08	29.3	82.0
BX 2394B3XF	922	40.1	4.2	1.16	32.8	82.9
DP 2333 B3XF	920	43.6	4.8	1.14	31.5	82.7
ST 4990B3XF	918	40.6	4.5	1.16	31.3	83.9
NG 5150 B3XF	909	41.1	4.7	1.14	29.4	82.6
BX 2392B3XF	897	42.4	4.3	1.14	29.6	83.1
Armor 9831 B3XF	892	42.6	4.8	1.14	31.9	82.9
ST 5091B3XF	892	42.8	4.2	1.17	31.8	83.5
1130B336-04	866	43.4	4.6	1.15	32.7	84.7
PHY 400 W3FE	859	43.7	4.4	1.17	32.8	84.1
1150A450-04	850	44.0	4.8	1.15	32.4	83.8
DG 3615 B3XF	847	44.3	4.7	1.13	31.5	83.0
DP 2349NR B3XF	818	43.3	4.7	1.12	30.7	83.4
1150B434-04	814	41.1	4.6	1.14	35.1	84.5
1150B435-04	811	42.9	5.2	1.11	33.7	83.5
DP 2141NR B3XF	810	43.6	5.1	1.14	32.3	83.4
NG 4190 B3XF	804	42.3	4.3	1.15	31.6	83.7
DG 3528 B3XF	804	40.8	4.2	1.16	31.8	83.0
BX 2396B3XF	798	42.7	4.6	1.15	30.2	82.3
1150B431-04	762	42.8	5.0	1.12	33.9	83.5
DP 2239 B3XF	753	42.9	4.6	1.22	31.0	84.0
DP 2012 B3XF	749	42.1	4.6	1.17	33.4	83.5
PHY 443 W3FE	742	43.2	4.7	1.13	30.9	82.2
PHY 332 W3FE	729	42.7	4.5	1.20	32.6	83.0
DP 2020 B3XF	683	40.6	4.4	1.20	32.9	84.7
20R745NRB3XF	650	42.2	4.0	1.13	31.6	82.5
DP 2055 B3XF	644	43.3	4.4	1.19	31.4	82.3

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3511 B3XF	632	43.5	4.8	1.13	33.7	84.7
DG 3799 B3XF	620	44.6	4.8	1.15	32.3	83.1
DP 1822 XF	608	41.1	4.5	1.17	32.7	82.3
PHY 545 W3FE	547	43.9	4.6	1.12	30.5	83.2
BX 2398B3XF	508	40.8	4.7	1.14	30.4	83.1
Average	863	42.8	4.6	1.15	31.9	83.3
LSD at 10% level	221	1.4	0.3	0.04	2.4	N.S.
CV	25	3	6	3	6	1
Model R-Square	0.72	0.84	0.81	0.77	0.72	0.6

**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 5 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B437-04	<b>1284</b>	45.5	5.2	1.10	33.7	83.9
1140B373-04	<b>1207</b>	45.5	5.1	1.13	31.7	86.2
1150B435-04	<b>1192</b>	44.5	5.4	1.13	33.1	85.4
1150B431-04	<b>1180</b>	44.3	5.1	1.11	33.0	84.3
PHY 411 W3FE	<b>1178</b>	46.0	4.9	1.12	31.5	83.9
ST 4595B3XF	<b>1131</b>	44.5	4.8	1.17	29.3	84.6
PHY 443 W3FE	<b>1131</b>	44.4	4.9	1.10	30.6	83.8
ST 5091B3XF	<b>1123</b>	44.1	4.5	1.14	28.7	82.8
PHY 400 W3FE	<b>1121</b>	43.6	4.5	1.15	31.4	83.7
1140A385-04	<b>1113</b>	46.6	5.1	1.14	33.1	85.9
DP 1646 B2XF	1071	44.4	4.5	1.23	28.8	84.5
BX 2392B3XF	1051	43.8	4.7	1.17	30.2	83.8
DP 1822 XF	1046	42.2	4.6	1.20	32.9	84.8
PHY 545 W3FE	1039	44.6	4.7	1.11	29.6	83.8
1150B434-04	1039	44.9	5.2	1.11	31.6	84.1
PHY 360 W3FE	998	43.1	4.8	1.16	30.1	84.3
DP 2020 B3XF	995	42.6	4.7	1.19	30.7	84.1
ST 4990B3XF	980	40.8	4.6	1.18	32.3	85.3
DP 2115 B3XF	974	45.0	5.2	1.18	31.3	85.0
BX 2394B3XF	960	42.6	4.6	1.16	32.0	84.8
1150A450-04	952	45.5	5.0	1.15	31.9	84.6
DP 2012 B3XF	951	41.8	4.6	1.18	31.5	84.4
DG 3535 B3XF	931	43.8	4.8	1.17	32.9	83.4
PHY 415 W3FE	928	43.8	4.6	1.17	33.1	84.6
1130B336-04	920	44.6	4.7	1.15	32.9	85.3
1130B333-04	908	44.1	4.6	1.19	32.9	85.6
BX 2398B3XF	900	40.8	4.9	1.14	29.3	83.0
DP 2127 B3XF	889	44.1	5.3	1.10	28.6	83.9
PHY 332 W3FE	855	43.2	4.8	1.22	33.9	85.3
DG 3456 B3XF	851	43.1	4.7	1.11	27.6	82.7
Armor 9371 B3XF	834	43.0	5.0	1.11	30.2	84.0
BX 2396B3XF	813	43.2	5.0	1.17	30.4	84.1
Average	1017	43.9	4.8	1.15	31.3	84.3
LSD at 10% level	209	1.6	0.3	0.03	2.7	1.5
CV	21	3	6	3	6	1
Model R-Square	0.49	0.80	0.78	0.89	0.69	0.66

**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 FULL SEASON

### BREWTON AGRICULTURAL RESEARCH UNIT

#### BREWTON, AL

**TABLE 6 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3615 B3XF	1284	45.3	4.6	1.15	30.3	82.3
1140A385-04	1258	45.4	4.4	1.14	33.0	83.7
NG 3195 B3XF	1252	45.4	4.3	1.13	30.1	81.3
NG 4190 B3XF	1249	44.6	4.0	1.15	29.8	83.7
DP 2333 B3XF	1249	46.2	4.5	1.15	30.1	82.0
DP 2038 B3XF	1226	48.4	4.4	1.11	28.4	81.3
DP 2127 B3XF	1223	45.1	4.5	1.10	29.4	83.2
1150B435-04	1215	43.3	5.0	1.11	31.9	83.2
PHY 400 W3FE	1215	44.4	3.9	1.18	31.0	81.6
ST 4595B3XF	1210	45.4	4.4	1.17	30.0	82.1
1150B437-04	1204	42.7	4.5	1.11	31.4	81.7
DP 1646 B2XF	1202	43.5	4.1	1.21	29.4	82.7
DP 2349NR B3XF	1197	43.3	4.3	1.14	30.7	82.8
ST 4990B3XF	1195	42.1	4.1	1.18	30.4	83.0
DP 2055 B3XF	1195	44.1	4.5	1.19	29.3	81.9
BX 2392B3XF	1163	45.4	4.2	1.14	29.4	82.3
PHY 411 W3FE	1145	45.7	4.1	1.10	30.0	82.0
ST 5091B3XF	1145	44.7	4.2	1.19	30.0	82.3
Armor 9831 B3XF	1141	45.5	4.6	1.13	29.4	82.4
1150B431-04	1139	42.1	4.7	1.10	31.9	83.4
DP 2012 B3XF	1138	43.8	4.4	1.18	29.4	82.3
1150B434-04	1134	41.7	4.7	1.13	31.4	82.2
BX 2394B3XF	1126	43.2	4.1	1.16	27.8	81.3
DP 2020 B3XF	1124	43.1	4.4	1.22	32.0	83.6
DG 3799 B3XF	1101	45.8	4.9	1.15	30.2	82.1
PHY 443 W3FE	1094	44.8	4.5	1.13	30.5	84.1
PHY 360 W3FE	1069	43.8	4.1	1.15	28.7	80.7
DG 3519 B3XF	1064	44.7	4.0	1.19	32.7	83.4
DG H959 B3XF	1062	41.0	4.5	1.19	30.9	82.8
DG 3528 B3XF	1051	43.1	4.0	1.18	29.1	83.5
1140B373-04	1050	44.7	4.3	1.15	31.5	83.5
PHY 415 W3FE	1036	44.2	4.2	1.19	32.7	82.4
DG 3511 B3XF	1028	45.7	4.6	1.16	31.5	82.7
BX 2398B3XF	1020	43.0	4.3	1.18	29.7	82.7
DP 2239 B3XF	1002	43.5	4.2	1.20	30.4	82.3
PHY 545 W3FE	1000	45.8	4.1	1.09	28.9	82.1
BX 2396B3XF	996	44.7	4.4	1.18	28.4	83.6
1150A450-04	990	45.2	4.5	1.14	30.5	82.8
DP 2141NR B3XF	981	45.4	4.3	1.17	32.7	82.3
NG 5150 B3XF	975	44.7	4.1	1.17	30.4	80.9
DP 1822 XF	960	43.2	4.3	1.18	30.6	81.4

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1130B333-04	957	43.1	4.0	1.17	34.0	84.4
1130B336-04	940	41.8	4.2	1.14	31.2	84.5
PHY 332 W3FE	879	42.8	4.2	1.18	30.8	81.5
20R745NRB3XF	808	45.1	4.1	1.14	31.8	81.7
Average	1104	44.2	4.3	1.15	30.5	82.5
LSD at 10% level	122	0.01	0.4	0.04	2.2	1.4
CV	14	4	7	3	5	1
Model R-Square	0.65	0.87	0.72	0.74	0.68	0.72

**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  
BREWTON AGRICULTURAL RESEARCH UNIT  
BREWTON, AL**

**TABLE 7 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B434-04	<b>1069</b>	42.2	4.6	1.14	32.4	84.7
1150B437-04	<b>1023</b>	44.2	4.9	1.15	32.4	85.0
1150B435-04	<b>1011</b>	43.3	5.0	1.12	32.4	84.5
1140A385-04	<b>939</b>	45.2	4.9	1.11	32.4	85.4
DP 2115 B3XF	<b>912</b>	43.3	4.8	1.10	32.4	83.6
DP 1646 B2XF	901	41.5	4.1	1.25	32.4	84.2
PHY 360 W3FE	896	40.9	4.5	1.12	32.4	83.2
PHY 400 W3FE	888	43.2	4.5	1.15	32.4	83.7
PHY 411 W3FE	848	44.5	4.7	1.07	32.4	83.1
ST 4595B3XF	844	42.8	4.6	1.16	32.4	84.3
PHY 332 W3FE	835	41.8	4.5	1.21	32.4	84.4
ST 4990B3XF	835	40.2	4.4	1.20	32.4	85.8
ST 5091B3XF	792	42.4	4.1	1.12	32.4	81.0
1150B431-04	787	42.3	5.0	1.12	32.4	84.0
1130B336-04	777	42.8	4.4	1.15	31.8	84.9
Armor 9371 B3XF	773	42.6	4.5	1.12	32.4	84.0
1140B373-04	752	43.0	4.7	1.12	32.4	85.1
PHY 415 W3FE	740	42.7	4.8	1.18	32.4	84.0
DP 2020 B3XF	739	40.0	4.6	1.20	32.4	85.4
1130B333-04	728	41.9	4.5	1.13	31.7	84.2
PHY 443 W3FE	716	43.7	4.8	1.12	32.4	84.7
DP 2127 B3XF	692	41.5	4.6	1.09	32.4	83.8
BX 2392B3XF	664	41.3	4.1	1.13	32.4	83.7
BX 2394B3XF	640	41.3	4.3	1.16	32.4	83.4
DP 2012 B3XF	638	40.6	4.6	1.16	32.4	84.1
DG 3456 B3XF	636	41.6	4.2	1.14	32.4	83.7
DP 1822 XF	629	41.0	4.4	1.21	32.4	84.4
1150A450-04	594	42.0	4.5	1.15	32.4	84.1
PHY 545 W3FE	575	43.6	4.7	1.11	32.4	84.0
DG 3535 B3XF	550	40.7	4.6	1.14	32.4	84.4
BX 2398B3XF	519	39.8	4.8	1.15	32.4	82.8
BX 2396B3XF	309	39.6	4.1	1.16	32.4	82.9
Average	758	42.1	4.5	1.14	32.3	84.1
LSD at 10% level	165	11.2	0.4	0.04	1.3	1.3
CV	25	4	7	4	5	1
Model R-Square	0.74	0.90	0.65	0.82	0.90	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 8 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3799 B3XF	2169	46.1	4.2	1.18	32.7	84.1
DG H959 B3XF	2071	43.6	4.3	1.20	33.3	84.1
DP 2038 B3XF	2069	48.5	4.8	1.13	30.2	83.0
DG 3615 B3XF	2024	44.7	4.3	1.21	34.0	83.7
NG 5150 B3XF	1956	44.8	4.7	1.16	29.2	84.2
BX 2394B3XF	1945	43.7	4.3	1.14	30.8	82.3
1150B437-04	1922	43.6	4.7	1.10	32.2	83.2
DP 2239 B3XF	1903	45.9	4.4	1.21	30.0	84.3
DP 2055 B3XF	1891	45.4	4.5	1.22	30.1	83.2
DG 3519 B3XF	1889	45.8	4.4	1.23	34.2	84.8
Armor 9831 B3XF	1885	44.4	4.6	1.13	30.5	84.1
DP 2333 B3XF	1876	46.7	4.3	1.13	30.8	82.4
DP 1646 B2XF	1871	45.7	4.4	1.24	31.4	85.0
BX 2396B3XF	1854	45.2	4.2	1.18	29.6	83.1
DP 2127 B3XF	1846	45.0	4.3	1.14	30.3	84.7
DP 2020 B3XF	1840	42.5	4.2	1.23	30.9	84.7
1140B373-04	1839	45.0	4.4	1.15	32.9	85.3
DG 3511 B3XF	1833	46.6	4.9	1.17	32.7	85.8
1150A450-04	1832	44.2	4.6	1.12	32.4	84.8
NG 3195 B3XF	1824	45.5	4.4	1.15	31.3	84.1
1150B435-04	1819	42.6	4.5	1.14	33.1	84.7
1140A385-04	1803	45.4	4.2	1.14	32.2	84.9
1150B434-04	1775	43.7	4.6	1.15	34.4	83.2
DG 3528 B3XF	1756	43.5	3.7	1.20	29.1	83.8
1150B431-04	1755	42.7	4.3	1.11	34.3	83.7
ST 4595B3XF	1754	45.2	4.5	1.20	31.0	83.5
DP 2012 B3XF	1747	43.4	4.2	1.21	33.1	85.4
BX 2398B3XF	1742	43.1	4.5	1.17	29.6	83.6
PHY 415 W3FE	1729	44.1	4.2	1.17	33.3	84.4
PHY 545 W3FE	1711	45.0	4.2	1.09	30.1	82.9
DP 2349NR B3XF	1707	44.3	4.7	1.13	29.8	84.1
ST 5091B3XF	1701	44.4	4.0	1.18	29.7	82.4
DP 2141NR B3XF	1671	44.5	5.0	1.14	33.3	82.8
1130B333-04	1663	42.4	4.2	1.09	32.0	85.0
PHY 443 W3FE	1657	43.8	4.3	1.16	33.8	84.8
NG 4190 B3XF	1644	43.8	4.2	1.17	29.6	84.3
PHY 400 W3FE	1638	45.0	4.0	1.14	32.5	82.0
PHY 411 W3FE	1608	45.1	4.1	1.11	32.8	84.1
1130B336-04	1588	44.0	4.0	1.15	32.5	84.5
ST 4990B3XF	1538	43.3	4.7	1.17	31.5	84.2
20R745NRB3XF	1513	44.5	4.2	1.17	34.2	81.9

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 1822 XF	1508	42.1	4.4	1.19	33.2	84.7
PHY 360 W3FE	1440	42.3	4.1	1.14	29.8	83.1
PHY 332 W3FE	1433	42.0	3.7	1.20	32.5	82.4
BX 2392B3XF	1328	43.5	4.0	1.17	30.5	84.0
Average	1768	44.4	4.3	1.16	31.7	83.9
LSD at 10% level	220	1.2	0.4	0.04	1.8	1.7
CV	12	3	7	3	6	1
Model R-Square	0.64	0.87	0.75	0.85	0.83	0.65

**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 9 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3615 B3XF	1750	43.3	4.4	1.23	35.6	84.3
1150B431-04	1517	42.0	4.8	1.14	35.9	84.3
1150B434-04	1491	41.6	4.7	1.15	35.9	84.0
NG 4190 B3XF	1475	43.0	4.3	1.18	32.1	85.3
1150B435-04	1411	42.4	5.1	1.14	34.4	83.8
DG H959 B3XF	1387	41.8	4.7	1.21	35.2	83.5
DG 3799 B3XF	1379	43.5	4.5	1.22	35.4	84.6
PHY 545 W3FE	1357	43.5	4.6	1.10	32.3	83.5
Armor 9831 B3XF	1353	42.3	4.7	1.17	32.7	84.1
ST 5091B3XF	1347	42.2	4.6	1.13	30.9	83.6
ST 4595B3XF	1334	44.5	5.0	1.20	31.0	84.7
DP 2333 B3XF	1283	44.7	4.9	1.17	33.2	84.4
1140B373-04	1281	43.1	4.8	1.14	34.1	84.2
DG 3519 B3XF	1279	44.7	4.5	1.22	34.5	85.5
DP 2239 B3XF	1270	45.4	4.9	1.22	33.1	85.0
BX 2394B3XF	1264	41.5	4.6	1.17	32.7	84.1
DP 1822 XF	1263	41.2	4.3	1.20	35.6	83.9
BX 2392B3XF	1230	44.1	4.6	1.16	30.9	84.1
1140A385-04	1220	44.2	4.9	1.15	35.1	85.9
BX 2396B3XF	1198	43.4	4.5	1.18	29.5	83.5
1150B437-04	1195	43.1	5.0	1.11	35.3	83.7
PHY 332 W3FE	1195	41.8	4.6	1.23	36.1	85.1
PHY 400 W3FE	1190	42.7	4.2	1.18	34.3	83.8
PHY 443 W3FE	1187	43.2	5.0	1.13	33.7	84.0
1150A450-04	1186	42.3	4.8	1.14	34.3	84.5
ST 4990B3XF	1180	41.0	4.7	1.20	31.5	85.0
DP 2020 B3XF	1171	41.2	4.7	1.20	33.7	85.0
PHY 411 W3FE	1170	43.6	4.8	1.12	35.3	84.8
DG 3511 B3XF	1164	44.8	5.2	1.14	33.8	84.6
BX 2398B3XF	1163	41.4	4.8	1.19	31.4	84.7
DP 2141NR B3XF	1155	43.1	5.2	1.17	35.4	84.7
DP 2349NR B3XF	1148	43.6	4.8	1.17	32.0	84.8
PHY 415 W3FE	1146	41.1	4.5	1.20	36.3	85.7
1130B336-04	1132	42.7	4.8	1.18	33.2	85.4
DP 2127 B3XF	1120	44.2	4.8	1.13	31.2	84.6
1130B333-04	1118	41.7	5.0	1.15	37.7	85.5
PHY 360 W3FE	1105	42.3	4.8	1.15	32.0	83.8
DP 2038 B3XF	1101	46.2	4.9	1.10	31.4	83.0
DP 1646 B2XF	1087	44.1	4.5	1.24	31.6	84.0
DP 2055 B3XF	1082	43.5	4.6	1.23	31.8	84.0
DP 2012 B3XF	1078	41.7	4.5	1.19	33.7	84.7

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG 3195 B3XF	1049	43.1	4.7	1.14	31.3	84.1
NG 5150 B3XF	1037	42.7	5.0	1.15	30.7	83.2
DG 3528 B3XF	964	41.3	4.1	1.20	32.0	85.5
20R745NRB3XF	825	44.2	4.3	1.23	36.9	84.4
Average	1223	43.0	4.7	1.17	33.5	84.4
LSD at 10% level	246	1.7	0.5	0.04	2.1	N.S.
CV	20	3	7	4	6	1
Model R-Square	0.46	0.75	0.63	0.85	0.84	0.59

**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 10 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B437-04	<b>1986</b>	43.7	4.4	1.17	35.3	84.5
1150B435-04	<b>1933</b>	41.4	4.4	1.19	35.5	84.4
Armor 9371 B3XF	<b>1824</b>	43.0	4.3	1.13	30.3	84.1
1150B431-04	<b>1760</b>	41.2	4.4	1.18	37.3	84.5
PHY 400 W3FE	<b>1700</b>	43.0	4.6	1.17	32.6	85.1
1130B336-04	<b>1679</b>	42.8	4.3	1.18	33.3	86.1
ST 4990B3XF	<b>1643</b>	39.4	4.5	1.20	32.8	86.3
ST 5091B3XF	<b>1636</b>	43.6	4.4	1.19	31.8	84.3
1140A385-04	<b>1611</b>	44.3	4.7	1.16	34.1	85.8
ST 4595B3XF	1589	43.6	4.6	1.22	30.1	85.5
1150B434-04	1558	41.8	4.4	1.18	36.0	84.7
DP 2020 B3XF	1533	40.5	4.3	1.19	31.6	84.9
PHY 415 W3FE	1523	40.4	4.1	1.22	34.3	85.6
1140B373-04	1461	42.8	4.3	1.18	32.8	85.8
DP 2012 B3XF	<b>1436</b>	41.3	4.4	1.21	33.3	84.7
DP 2127 B3XF	1405	43.8	4.7	1.11	30.3	84.1
PHY 360 W3FE	1369	41.8	4.5	1.17	31.9	84.8
DP 1646 B2XF	1367	44.0	4.5	1.27	31.9	85.5
PHY 443 W3FE	1361	41.8	4.4	1.15	33.4	84.6
BX 2394B3XF	1358	42.2	4.4	1.19	32.1	84.5
1150A450-04	1343	42.7	4.7	1.15	32.3	85.3
DG 3456 B3XF	1316	44.2	4.3	1.19	32.5	84.8
PHY 411 W3FE	1274	44.3	4.6	1.10	33.3	85.1
PHY 332 W3FE	1266	39.8	4.3	1.24	33.7	85.4
BX 2396B3XF	1242	43.3	4.5	1.18	28.9	84.1
DP 2115 B3XF	1188	43.4	4.6	1.17	31.8	85.0
DP 1822 XF	1151	40.7	4.3	1.24	34.6	85.7
PHY 545 W3FE	1106	44.3	4.5	1.15	32.4	85.7
BX 2392B3XF	1100	41.9	4.0	1.17	31.7	84.0
DG 3535 B3XF	1077	41.8	4.4	1.19	33.6	85.0
1130B333-04	1018	42.3	4.3	1.18	33.8	86.2
BX 2398B3XF	977	42.1	4.7	1.18	31.7	84.3
Average	1431	42.4	4.4	1.18	32.8	85.0
LSD at 10% level	384	1.0	0.3	0.03	2.1	1.2
CV	25	4	5	3	6	1
Model R-Square	0.58	0.79	0.65	0.88	0.80	0.64

**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 11 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B434-04	<b>1744</b>	41.8	4.0	1.18	38.0	84.3
PHY 411 W3FE	<b>1597</b>	44.3	4.3	1.11	33.3	84.8
ST 5091B3XF	<b>1581</b>	43.6	4.1	1.16	32.8	85.0
1150B437-04	1550	43.7	4.1	1.18	34.8	84.1
1150B435-04	1529	41.4	4.2	1.16	35.3	83.1
Armor 9371 B3XF	1516	43.0	4.3	1.16	28.8	85.2
PHY 545 W3FE	1479	44.3	3.9	1.14	32.7	84.9
PHY 400 W3FE	1432	43.0	4.0	1.19	34.4	84.1
1140A385-04	1429	44.3	4.0	1.15	34.5	84.6
ST 4595B3XF	1425	43.6	4.3	1.20	32.1	84.7
DG 3456 B3XF	1415	44.2	4.0	1.20	33.6	85.5
1150B431-04	1404	41.2	4.0	1.16	37.7	83.9
ST 4990B3XF	1393	39.4	4.2	1.23	32.7	85.7
DP 1646 B2XF	1354	44.0	4.1	1.27	31.2	85.1
PHY 443 W3FE	<b>1340</b>	41.8	4.2	1.16	33.9	85.4
1150A450-04	1335	42.7	4.0	1.14	33.4	84.5
DP 2115 B3XF	1313	43.4	4.2	1.19	32.6	84.3
DP 2127 B3XF	1298	43.8	4.4	1.13	32.7	84.8
BX 2396B3XF	1296	43.3	4.0	1.18	30.2	83.8
1130B333-04	1279	42.3	4.1	1.21	36.4	86.5
1130B336-04	1261	42.8	4.1	1.17	33.5	86.2
PHY 332 W3FE	1258	39.8	4.0	1.21	34.4	85.1
DP 1822 XF	1242	40.7	4.0	1.26	36.5	84.9
BX 2398B3XF	1226	42.1	4.3	1.18	30.4	83.8
BX 2394B3XF	1225	42.2	3.9	1.18	34.1	83.8
PHY 360 W3FE	1223	41.8	4.0	1.19	31.7	83.9
1140B373-04	1220	42.8	3.9	1.18	33.3	86.4
DP 2012 B3XF	1152	41.3	4.2	1.21	33.0	84.8
DG 3535 B3XF	1131	41.8	3.9	1.21	34.1	85.1
BX 2392B3XF	1094	41.9	3.8	1.16	30.9	83.7
DP 2020 B3XF	1085	40.5	4.1	1.21	32.7	85.1
PHY 415 W3FE	1076	40.4	4.0	1.21	34.2	85.3
Average	1341	42.4	4.1	1.18	33.4	84.7
LSD at 10% level	172	1.0	N.S.	0.04	1.9	1.4
CV	15	4	5	3	7	1
Model R-Square	0.63	0.79	0.58	0.84	0.86	0.66

**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 12 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4595B3XF	1635	45.4	4.7	1.20	31.1	83.7
DP 2038 B3XF	1633	46.8	4.7	1.12	30.4	81.7
DP 2127 B3XF	1620	45.1	4.7	1.15	32.7	83.8
PHY 400 W3FE	1582	44.3	4.5	1.17	32.9	82.7
DG 3528 B3XF	1549	44.5	4.6	1.19	31.2	83.6
ST 4990B3XF	1514	41.7	4.6	1.18	32.1	82.5
Armor 9831 B3XF	1492	44.7	5.0	1.18	33.0	82.8
DP 2141NR B3XF	1481	45.2	4.7	1.17	33.9	82.2
NG 3195 B3XF	1470	44.6	4.7	1.16	32.9	83.0
DP 2055 B3XF	1456	45.1	4.9	1.21	31.5	83.1
1140A385-04	1433	48.4	4.7	1.14	33.1	84.6
NG 5150 B3XF	1412	43.4	4.6	1.20	31.7	82.1
DP 2349NR B3XF	1410	47.6	4.7	1.15	31.4	82.6
ST 5091B3XF	1409	44.7	4.6	1.18	30.1	82.9
DP 2020 B3XF	1397	40.6	4.3	1.24	33.1	82.4
NG 4190 B3XF	1393	45.0	4.7	1.16	31.5	83.5
DG 3511 B3XF	1389	44.3	5.2	1.17	33.8	84.1
PHY 411 W3FE	1389	46.7	4.3	1.13	32.7	82.4
DP 2239 B3XF	1386	44.5	4.5	1.23	33.9	83.8
DP 2012 B3XF	1375	42.8	4.4	1.21	32.0	81.5
DG 3799 B3XF	1375	44.1	4.9	1.19	33.6	82.4
20R745NRB3XF	1361	44.7	4.6	1.19	34.9	80.3
PHY 545 W3FE	1353	46.3	4.3	1.12	32.5	82.5
1150B437-04	1342	43.5	4.4	1.14	34.9	82.8
BX 2394B3XF	1331	42.6	4.2	1.24	33.1	83.3
BX 2398B3XF	1320	44.0	4.7	1.18	29.9	82.9
1150B434-04	1308	42.7	4.9	1.14	34.3	82.7
DG H959 B3XF	1295	42.8	4.7	1.21	34.1	82.8
DP 1822 XF	1276	42.0	4.5	1.25	34.7	83.2
1150A450-04	1274	45.3	4.7	1.16	34.2	82.4
BX 2392B3XF	1267	44.5	4.4	1.16	31.0	81.7
DG 3615 B3XF	1265	43.7	4.9	1.18	35.1	83.2
PHY 443 W3FE	1248	45.8	4.8	1.09	31.5	82.8
1150B431-04	1248	43.3	5.2	1.08	33.4	81.8
DP 2333 B3XF	1233	45.1	4.4	1.17	31.7	82.6
1130B336-04	1221	44.7	4.7	1.16	36.5	83.8

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1130B333-04	1217	44.5	4.3	1.18	35.4	83.8
BX 2396B3XF	1207	44.7	5.1	1.14	29.8	82.5
1150B435-04	1184	43.2	5.1	1.11	31.2	82.0
DG 3519 B3XF	1172	44.7	4.4	1.24	34.0	83.2
DP 1646 B2XF	1154	46.0	4.7	1.22	33.2	82.8
PHY 332 W3FE	1136	43.0	4.3	1.17	33.1	81.9
1140B373-04	1121	43.2	4.8	1.16	34.4	83.4
PHY 415 W3FE	1095	44.5	4.3	1.20	36.1	83.2
PHY 360 W3FE	1083	42.6	4.0	1.19	31.7	82.2
Average	1345	44.4	4.6	1.17	32.8	82.8
LSD at 10% level	N.S.	1.9	0.4	0.05	2.1	N.S.
CV	22	4	7	4	6	1
Model R-Square	0.37	0.78	0.76	0.78	0.77	0.53

**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 13 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3528 B3XF	1499	46.5	4.9	1.16	31.1	83.0
DG 3615 B3XF	1457	44.4	4.9	1.13	31.6	81.3
1140A385-04	1451	46.6	5.0	1.12	34.3	84.0
ST 4990B3XF	1349	41.0	4.7	1.22	32.0	83.7
DP 2038 B3XF	1328	48.8	5.2	1.06	29.8	80.7
PHY 400 W3FE	1313	45.4	4.6	1.18	33.5	83.0
1150B437-04	1309	43.1	5.1	1.15	34.3	83.2
DG H959 B3XF	1282	41.5	4.9	1.20	32.3	81.5
Armor 9831 B3XF	1282	44.9	5.2	1.18	32.7	82.1
BX 2396B3XF	1271	45.8	5.1	1.18	30.0	82.1
1150B435-04	1260	41.1	5.1	1.13	33.1	82.2
NG 4190 B3XF	1258	44.7	4.8	1.21	32.8	82.8
BX 2398B3XF	1251	43.1	5.0	1.17	30.2	82.2
DP 2127 B3XF	1234	43.5	5.4	1.15	33.1	83.3
DP 2333 B3XF	1230	44.9	4.9	1.19	31.2	83.2
1140B373-04	1201	44.1	4.9	1.15	33.4	82.6
ST 5091B3XF	1195	45.6	4.9	1.18	30.5	83.1
DP 2020 B3XF	1192	41.8	4.6	1.22	34.2	84.3
DG 3799 B3XF	1179	45.3	5.3	1.16	32.6	81.5
DG 3511 B3XF	1174	44.8	5.1	1.18	31.9	83.2
DP 2349NR B3XF	1173	43.6	5.2	1.16	31.8	82.6
DP 2055 B3XF	1158	44.1	4.8	1.25	32.5	83.0
DP 2141NR B3XF	1155	44.8	5.3	1.16	34.0	81.3
PHY 411 W3FE	1153	46.3	4.9	1.06	32.2	81.0
1150A450-04	1146	44.2	4.9	1.15	32.8	83.3
PHY 545 W3FE	1144	46.8	5.1	1.10	33.0	82.6
NG 3195 B3XF	1134	44.2	4.8	1.14	31.4	82.1
1150B431-04	1120	41.4	4.7	1.15	35.2	83.3
DP 2012 B3XF	1115	41.9	4.7	1.21	33.9	83.6
DP 2239 B3XF	1112	44.8	5.2	1.20	30.9	83.5
BX 2394B3XF	1107	42.2	4.5	1.18	31.2	81.4
20R745NRB3XF	1103	44.2	4.6	1.19	35.5	82.5
BX 2392B3XF	1100	45.1	4.7	1.19	32.6	84.2
PHY 360 W3FE	1079	41.9	4.9	1.14	30.1	81.7

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B434-04	1075	40.8	5.0	1.16	33.3	81.3
DP 1646 B2XF	1064	44.9	5.3	1.14	30.1	81.2
DG 3519 B3XF	1035	43.4	4.8	1.20	35.0	84.3
1130B336-04	1019	43.4	5.3	1.13	32.5	83.2
NG 5150 B3XF	1001	42.7	4.8	1.18	31.1	82.4
ST 4595B3XF	956	44.3	4.8	1.16	29.9	81.7
PHY 332 W3FE	950	43.2	4.3	1.19	34.4	82.6
PHY 415 W3FE	946	43.9	4.7	1.21	34.3	84.0
PHY 443 W3FE	937	44.4	5.0	1.15	34.3	83.4
DP 1822 XF	934	41.5	4.6	1.21	34.6	82.5
1130B333-04	871	42.3	4.7	1.19	36.0	84.7
Average	1162	43.9	4.9	1.16	32.6	82.7
LSD at 10% level	213	2.0	0.3	0.05	2.5	1.7
CV	18	5	6	4	6	1
Model R-Square	0.46	0.82	0.75	0.77	0.72	0.67

**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 14 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 1646 B2XF	<b>1091</b>	42.4	3.7	1.28	32.6	85.1
DP 2115 B3XF	<b>1063</b>	43.7	4.0	1.17	32.1	84.8
ST 4990B3XF	<b>968</b>	39.5	3.9	1.23	34.3	86.0
ST 4595B3XF	<b>902</b>	44.8	4.3	1.22	30.9	85.3
PHY 360 W3FE	<b>901</b>	40.6	3.9	1.19	33.5	84.1
DP 1822 XF	<b>899</b>	40.6	4.2	1.24	36.8	84.4
PHY 415 W3FE	889	41.6	3.8	1.23	35.6	85.2
1130B336-04	878	41.2	4.0	1.20	34.8	85.3
Armor 9371 B3XF	874	42.2	4.0	1.17	31.8	84.9
DP 2127 B3XF	871	42.3	4.2	1.13	32.5	84.5
PHY 411 W3FE	864	42.9	4.0	1.15	33.1	83.2
DP 2020 B3XF	857	39.8	4.0	1.25	33.5	85.0
1130B333-04	856	41.7	3.9	1.19	35.4	85.6
1140B373-04	843	40.4	4.0	1.18	32.9	85.5
1150B437-04	837	41.5	4.0	1.19	39.8	83.9
PHY 400 W3FE	828	43.4	4.1	1.22	36.4	85.2
DP 2012 B3XF	814	41.5	4.2	1.24	33.7	85.5
ST 5091B3XF	812	41.9	3.8	1.20	33.3	83.8
BX 2392B3XF	795	43.0	3.8	1.20	32.8	83.7
DG 3535 B3XF	789	41.2	3.8	1.22	32.9	84.8
1140A385-04	<b>782</b>	43.5	4.4	1.12	34.4	85.1
DG 3456 B3XF	716	44.1	4.2	1.17	31.0	84.7
BX 2394B3XF	715	40.8	3.8	1.23	36.2	83.7
PHY 332 W3FE	662	41.0	4.1	1.22	34.9	84.3
PHY 443 W3FE	647	42.7	4.1	1.15	35.4	84.8
BX 2398B3XF	627	42.0	4.4	1.25	32.1	85.2
1150A450-04	565	42.3	4.4	1.16	33.9	85.0
1150B435-04	555	40.0	4.1	1.19	36.6	84.0
1150B434-04	537	38.1	3.7	1.19	38.2	83.4
PHY 545 W3FE	502	45.9	3.9	1.19	32.3	84.9
1150B431-04	449	39.9	4.2	1.16	36.0	84.5
BX 2396B3XF	412	43.4	4.1	1.22	31.3	85.3
Average	775	41.9	4.0	1.20	34.1	84.7
LSD at 10% level	201	1.3	N.S.	0.04	2.0	1.3
CV	31	4	7	3	7	1
Model R-Square	0.62	0.91	0.57	0.85	0.87	0.62

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

**TABLE 15 – LOCATION SPECIFIC DATA**

<b>Variety</b>	<b>Lint Yield pounds per acre</b>	<b>Lint %</b>	<b>Micronaire units</b>	<b>Length inches</b>	<b>Strength g/tex</b>	<b>Uniformity %</b>
1140A385-04	<b>1265</b>	43.1	4.3	1.15	35.0	85.7
ST 5091B3XF	<b>1251</b>	43.0	4.0	1.21	31.4	82.4
ST 4595B3XF	<b>1210</b>	43.0	4.0	1.22	31.6	83.9
DP 1822 XF	<b>1182</b>	40.9	4.1	1.27	36.2	84.5
PHY 400 W3FE	<b>1174</b>	43.4	4.1	1.18	35.4	83.9
1140B373-04	<b>1166</b>	41.6	4.3	1.17	33.7	85.4
1130B336-04	<b>1165</b>	41.7	4.0	1.18	34.3	84.8
DP 1646 B2XF	<b>1153</b>	43.8	4.2	1.28	29.9	84.2
1150B437-04	<b>1152</b>	40.6	4.2	1.18	36.1	84.8
DP 2012 B3XF	<b>1147</b>	41.7	4.2	1.22	34.2	84.2
PHY 411 W3FE	<b>1138</b>	43.7	4.2	1.11	33.2	83.8
ST 4990B3XF	<b>1127</b>	40.2	4.2	1.22	33.8	85.3
DG 3456 B3XF	<b>1116</b>	43.6	3.9	1.20	31.3	84.0
PHY 360 W3FE	<b>1092</b>	41.2	4.0	1.18	31.2	83.8
DP 2115 B3XF	<b>1080</b>	43.6	4.4	1.15	31.8	84.1
Armor 9371 B3XF	<b>1060</b>	42.9	4.5	1.14	31.5	83.4
DP 2127 B3XF	<b>1057</b>	42.4	4.6	1.14	32.7	84.5
DG 3535 B3XF	1046	41.9	4.2	1.20	32.2	83.5
1130B333-04	1033	41.2	4.1	1.20	34.9	85.1
BX 2392B3XF	1021	43.8	4.3	1.14	32.0	82.7
DP 2020 B3XF	1009	40.4	4.3	1.22	32.9	83.7
PHY 332 W3FE	998	41.8	4.1	1.19	33.3	82.7
PHY 415 W3FE	993	42.2	4.2	1.26	35.7	85.2
1150B435-04	974	40.0	4.5	1.17	36.2	84.1
BX 2394B3XF	931	41.7	3.9	1.21	32.6	83.3
1150B434-04	923	41.3	4.2	1.15	35.9	83.3
1150A450-04	873	42.8	4.5	1.16	35.2	83.8
1150B431-04	768	41.0	4.5	1.12	35.9	83.2
PHY 545 W3FE	748	44.6	4.4	1.13	31.6	83.3
BX 2398B3XF	706	40.4	4.4	1.20	30.1	84.0
PHY 443 W3FE	639	42.4	4.4	1.12	34.3	83.7
BX 2396B3XF	556	43.8	4.4	1.21	31.0	84.5
Average	1024	42.2	4.2	1.18	33.3	84.0
LSD at 10% level	214	1.8	0.3	0.03	2.0	1.2
CV	22	3	6	4	6	1
Model R-Square	0.67	0.76	0.63	0.91	0.85	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 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 %
1130B336-04	1662	44.9	4.5	1.26	33.0	83.8
DP 2038 B3XF	1647	46.2	4.7	1.19	34.8	84.1
DG H959 B3XF	1643	44.5	4.5	1.22	33.8	84.7
DG 3799 B3XF	1641	45.2	4.4	1.15	32.6	84.8
DP 2127 B3XF	1626	43.7	4.5	1.15	33.7	83.9
DP 1822 XF	1613	44.0	4.2	1.19	35.3	84.8
BX 2394B3XF	1611	44.1	4.3	1.23	34.2	84.7
DP 2349NR B3XF	1607	44.8	4.6	1.22	35.9	84.6
1140A385-04	1581	45.3	4.6	1.18	32.8	85.1
Armor 9831 B3XF	1580	45.1	4.5	1.17	33.9	83.9
DP 2055 B3XF	1571	44.7	4.4	1.19	32.9	83.8
NG 4190 B3XF	1562	43.7	4.5	1.20	33.7	83.6
NG 5150 B3XF	1561	44.8	4.4	1.17	32.9	84.9
PHY 545 W3FE	1556	44.5	4.4	1.23	35.1	84.5
PHY 411 W3FE	1554	44.5	4.6	1.19	34.1	83.9
1150B434-04	1551	43.7	4.4	1.22	34.2	83.9
PHY 360 W3FE	1549	45.0	4.5	1.22	32.1	85.8
DG 3511 B3XF	1546	44.6	4.7	1.23	31.1	83.6
1130B333-04	1535	44.2	4.6	1.22	31.9	82.9
DP 2239 B3XF	1533	44.2	4.4	1.21	33.2	84.0
BX 2396B3XF	1529	44.8	4.4	1.19	34.1	84.2
PHY 443 W3FE	1524	43.5	4.3	1.20	33.6	82.9
ST 5091B3XF	1512	44.5	4.2	1.25	32.4	84.2
DP 2141NR B3XF	1511	44.7	4.3	1.26	32.3	85.4
1150B431-04	1510	43.6	4.3	1.20	33.1	84.2
ST 4990B3XF	1504	42.8	4.2	1.23	33.1	84.4
20R745NRB3XF	1503	44.0	4.3	1.16	32.1	83.0
DP 2333 B3XF	1502	44.4	4.4	1.16	33.2	82.9
1150A450-04	1499	44.1	4.5	1.23	34.1	84.3
PHY 332 W3FE	1485	43.7	4.5	1.18	31.8	83.9
1150B435-04	1483	44.6	4.2	1.23	33.6	85.6
NG 3195 B3XF	1474	44.0	4.9	1.21	34.7	84.0
BX 2398B3XF	1463	43.3	4.4	1.15	35.0	83.0

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2020 B3XF	1452	44.0	4.6	1.21	34.6	84.9
ST 4595B3XF	1447	43.7	4.5	1.23	34.5	83.8
BX 2392B3XF	1446	44.6	4.3	1.22	33.9	84.1
1150B437-04	1440	43.3	4.2	1.24	33.7	84.5
DP 1646 B2XF	1430	43.1	4.4	1.20	35.9	84.7
PHY 400 W3FE	1429	43.7	4.5	1.25	31.9	84.4
DG 3519 B3XF	1421	43.8	4.7	1.18	34.6	83.5
PHY 415 W3FE	1414	41.1	4.5	1.22	35.6	84.6
1140B373-04	1402	44.0	4.3	1.19	34.6	83.2
DP 2012 B3XF	1392	41.6	4.5	1.17	34.0	84.7
DG 3615 B3XF	1372	43.4	4.3	1.20	33.6	83.8
DG 3528 B3XF	1356	41.7	4.4	1.25	35.0	84.3
Average	1516	44.0	4.4	1.20	33.7	84.1
LSD at 10% level	152	0.01	N.S.	N.S.	N.S.	N.S.
CV	9	3	5	4	5	1
Model R-Square	0.37	0.40	0.44	0.47	0.46	0.53

**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 17 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1140B373-04	1801	44.0	4.3	1.18	32.8	84.2
DG H959 B3XF	1785	44.5	4.4	1.20	34.3	83.5
NG 5150 B3XF	1757	44.8	4.3	1.21	33.9	84.4
1150B437-04	1743	43.3	4.4	1.16	32.8	84.8
DG 3799 B3XF	1733	45.2	4.3	1.21	34.3	84.9
DP 2055 B3XF	1729	44.7	4.6	1.22	33.8	84.2
PHY 360 W3FE	1719	45.0	4.2	1.20	31.7	83.6
DP 2020 B3XF	1710	44.0	4.0	1.21	31.5	82.7
Armor 9831 B3XF	1708	45.1	4.4	1.17	31.8	83.4
20R745NRB3XF	1684	44.0	4.1	1.23	32.5	84.6
BX 2396B3XF	1681	44.8	4.3	1.23	34.1	83.0
NG 4190 B3XF	1674	43.7	4.7	1.21	32.9	83.9
DP 2038 B3XF	1672	46.2	4.6	1.18	31.7	82.8
1130B333-04	1666	44.2	4.3	1.25	33.5	83.4
DP 2349NR B3XF	1656	44.8	4.2	1.20	33.6	84.0
PHY 545 W3FE	1653	44.5	4.3	1.15	32.1	83.0
PHY 400 W3FE	1652	43.7	4.3	1.23	32.5	84.5
BX 2398B3XF	1649	43.3	4.3	1.23	32.1	83.7
DG 3511 B3XF	1645	44.6	4.1	1.20	33.2	84.3
DP 1822 XF	1638	44.0	4.2	1.21	33.7	84.1
DP 2239 B3XF	1634	44.2	4.6	1.23	37.0	84.1
BX 2392B3XF	1632	44.6	4.3	1.21	30.7	83.9
DP 2141NR B3XF	1626	44.7	4.3	1.24	35.0	84.3
DG 3615 B3XF	1625	43.4	4.5	1.19	32.9	83.5
DG 3519 B3XF	1625	43.8	4.3	1.20	31.8	82.9
ST 4990B3XF	1615	42.8	4.2	1.23	32.3	83.7
PHY 443 W3FE	1609	43.5	4.4	1.22	33.5	83.5
1140A385-04	1602	45.3	4.6	1.20	32.3	85.3
1150A450-04	1600	44.1	4.4	1.15	32.5	83.3
DG 3528 B3XF	1589	41.7	4.1	1.22	31.7	84.3
ST 5091B3XF	1584	44.5	3.9	1.22	34.7	83.2
PHY 411 W3FE	1584	44.5	4.3	1.18	33.0	83.4
BX 2394B3XF	1577	44.1	4.2	1.19	34.9	83.1
DP 2127 B3XF	1575	43.7	4.2	1.20	32.8	82.2

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150B435-04	1575	44.6	4.4	1.20	31.7	83.8
ST 4595B3XF	1574	43.7	4.2	1.16	34.6	82.1
DP 1646 B2XF	1571	43.1	4.2	1.20	32.6	83.7
1130B336-04	1569	44.9	4.1	1.17	33.8	83.3
DP 2333 B3XF	1555	44.4	4.3	1.20	31.7	83.7
1150B434-04	1524	43.7	4.5	1.23	31.9	83.2
PHY 415 W3FE	1516	41.1	4.0	1.17	32.2	83.3
1150B431-04	1505	43.6	4.1	1.27	33.4	85.5
PHY 332 W3FE	1466	43.7	4.3	1.19	33.2	83.3
NG 3195 B3XF	1464	44.0	4.5	1.21	35.4	83.6
DP 2012 B3XF	1446	41.6	4.1	1.26	33.4	83.9
Average	1627	44.0	4.3	1.20	33.0	83.7
LSD at 10% level	N.S.	0.01	N.S.	N.S.	N.S.	N.S.
CV	10	3	6	3	5	1
Model R-Square	0.29	0.40	0.56	0.43	0.60	0.52

**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 18 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 400 W3FE	<b>1451</b>	43.7	3.9	1.20	33.4	83.5
1140B373-04	<b>1387</b>	44.2	4.3	1.18	33.9	85.3
PHY 360 W3FE	<b>1387</b>	42.5	4.4	1.17	31.8	82.9
1140A385-04	<b>1366</b>	47.2	4.4	1.17	33.6	85.8
DG 3535 B3XF	<b>1337</b>	43.2	3.9	1.20	32.1	83.5
PHY 545 W3FE	<b>1331</b>	44.5	3.5	1.17	33.0	83.8
1150B437-04	<b>1330</b>	42.6	4.0	1.13	33.4	82.6
ST 5091B3XF	<b>1322</b>	42.4	3.5	1.22	31.9	82.5
PHY 415 W3FE	1306	42.9	4.3	1.21	35.2	84.7
1150B434-04	1296	41.6	4.1	1.15	34.6	83.4
Armor 9371 B3XF	1294	43.8	4.0	1.13	30.4	83.1
ST 4990B3XF	1293	40.8	4.4	1.22	31.8	85.6
PHY 411 W3FE	1281	45.8	4.3	1.12	32.4	83.2
1150A450-04	1274	45.3	4.3	1.17	32.8	83.7
ST 4595B3XF	1263	43.2	4.5	1.19	30.1	83.3
BX 2394B3XF	1263	41.2	3.7	1.20	32.0	82.6
1130B336-04	1258	43.4	4.0	1.20	33.1	85.0
PHY 443 W3FE	1258	44.9	4.5	1.15	32.7	84.2
DP 1646 B2XF	1248	42.9	3.8	1.26	31.6	84.0
DP 2115 B3XF	1246	44.7	4.6	1.19	31.8	84.4
DP 2127 B3XF	1236	44.6	3.9	1.15	32.2	84.2
BX 2392B3XF	1209	41.8	3.8	1.21	31.6	84.2
1150B435-04	1190	42.1	3.8	1.13	33.2	82.6
DP 2012 B3XF	1183	41.1	3.7	1.24	33.7	84.4
DG 3456 B3XF	1178	43.1	3.5	1.19	31.9	83.5
DP 2020 B3XF	1178	40.1	3.9	1.24	33.6	84.7
1150B431-04	1174	41.4	4.2	1.11	34.4	83.2
1130B333-04	1174	43.3	4.3	1.19	34.6	85.6
BX 2398B3XF	1147	40.7	4.1	1.23	31.6	83.3
DP 1822 XF	1145	42.7	3.9	1.24	34.5	83.1
BX 2396B3XF	1128	41.6	3.8	1.22	30.6	83.8
PHY 332 W3FE	1124	42.8	4.2	1.23	34.3	83.0
Average	1258	43.0	4.0	1.19	32.7	83.8
LSD at 10% level	135	1.6	0.4	0.03	1.4	1.2
CV	11	4	8	3	4	1
Model R-Square	0.46	0.85	0.79	0.89	0.85	0.79

**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  
PRATTVILLE AGRICULTURAL RESEARCH UNIT  
PRATTVILLE, AL**

**TABLE 19 – LOCATION SPECIFIC DATA**

Due to extreme environmental conditions at the time of planting, the trial did not have adequate germination. As a result, no data is available for this trial.

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %

**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

### 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 415 W3FE	1454	46.1	4.5	1.16	32.2	82.8
BX 2394B3XF	1435	45.9	4.8	1.11	31.1	82.4
1140A385-04	1435	49.4	5.2	1.08	31.4	84.5
PHY 400 W3FE	1389	48.1	4.6	1.13	32.7	82.5
BX 2392B3XF	1385	47.1	5.0	1.12	28.9	83.1
DP 2349NR B3XF	1378	47.8	5.2	1.09	30.3	83.2
DP 2038 B3XF	1376	50.6	5.3	1.03	28.4	80.6
DP 1646 B2XF	1373	47.8	5.0	1.14	29.9	82.4
DP 2239 B3XF	1370	48.4	4.9	1.14	30.5	82.8
ST 4595B3XF	1361	47.7	5.0	1.12	30.4	82.7
ST 4990B3XF	1354	44.0	5.1	1.12	28.5	83.3
NG 3195 B3XF	1333	47.4	4.7	1.08	29.8	81.7
NG 4190 B3XF	1327	46.6	4.6	1.15	29.1	83.0
1140B373-04	1326	45.5	4.8	1.11	33.5	84.5
PHY 411 W3FE	1319	47.8	5.0	1.05	31.3	82.9
BX 2396B3XF	1316	47.7	5.0	1.13	30.3	83.2
1130B336-04	1316	45.7	5.1	1.10	31.4	84.1
NG 5150 B3XF	1300	46.7	5.2	1.10	30.0	82.1
DP 2333 B3XF	1297	47.5	5.1	1.10	28.9	82.8
BX 2398B3XF	1293	46.1	5.1	1.12	28.9	83.4
DP 2127 B3XF	1287	47.8	5.5	1.07	29.4	82.6
PHY 443 W3FE	1280	47.3	4.9	1.08	32.2	82.6
PHY 360 W3FE	1267	46.5	4.8	1.09	28.5	81.8
Armor 9831 B3XF	1263	45.6	5.1	1.10	30.0	81.9
PHY 332 W3FE	1259	46.4	4.7	1.16	31.6	83.1
DP 2055 B3XF	1258	47.2	4.7	1.21	31.0	84.4
DG 3511 B3XF	1245	47.5	5.5	1.14	32.4	84.4
1150B435-04	1235	42.7	5.0	1.04	31.3	81.8
1150A450-04	1231	47.8	5.0	1.08	32.1	83.0
DG 3799 B3XF	1226	45.4	4.8	1.10	30.4	82.3
DP 2012 B3XF	1222	45.7	4.8	1.15	30.8	82.3
PHY 545 W3FE	1217	49.1	4.8	1.05	29.8	81.5
DG 3528 B3XF	1205	47.3	4.8	1.11	29.4	82.4
DG H959 B3XF	1201	42.4	4.5	1.15	31.6	81.9

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1130B333-04	1198	45.5	4.8	1.11	32.8	84.2
DP 2141NR B3XF	1196	45.4	5.3	1.12	31.7	82.0
DG 3519 B3XF	1173	46.2	4.9	1.16	31.5	82.8
1150B434-04	1162	44.8	5.0	1.05	31.8	82.0
1150B437-04	1160	43.9	4.7	1.07	32.9	82.0
ST 5091B3XF	1143	47.9	4.8	1.11	29.2	82.3
DP 1822 XF	1141	44.1	4.9	1.15	32.2	81.6
20R745NRB3XF	1136	46.7	4.7	1.16	32.2	81.4
1150B431-04	1104	42.7	4.8	1.08	33.8	83.2
DP 2020 B3XF	1076	44.4	4.9	1.18	30.6	82.3
DG 3615 B3XF	1072	44.9	4.7	1.10	30.8	82.6
Average	1269	46.4	4.9	1.11	30.8	82.7
LSD at 10% level	190	1.4	0.4	0.06	2.2	1.7
CV	14	4	6	4	6	1
Model R-Square	0.34	0.88	0.62	0.74	0.70	0.63

**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 21 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
1150A450-04	1083	45.2	5.3	1.09	32.0	83.6
BX 2398B3XF	1056	44.9	5.3	1.10	27.7	82.1
1150B434-04	1049	45.6	5.3	1.03	32.1	81.5
DP 1646 B2XF	1017	44.4	4.8	1.17	30.6	82.5
1150B435-04	1009	43.0	5.5	1.04	32.3	82.0
NG 5150 B3XF	1006	45.3	5.4	1.06	29.3	80.5
BX 2396B3XF	992	43.8	5.5	1.08	28.4	82.0
NG 4190 B3XF	975	44.2	5.2	1.12	30.3	82.9
DP 2020 B3XF	971	46.0	5.0	1.12	29.6	81.2
DP 2038 B3XF	969	43.3	5.3	1.08	30.3	80.9
DP 1822 XF	957	43.6	4.7	1.14	32.8	81.9
BX 2394B3XF	956	45.6	5.2	1.10	29.5	81.7
ST 5091B3XF	950	45.6	4.8	1.03	27.9	80.0
DG 3799 B3XF	950	44.6	4.8	1.08	32.1	82.2
NG 3195 B3XF	948	45.3	4.7	1.10	30.5	82.1
DG 3528 B3XF	940	44.5	4.8	1.14	30.4	82.7
Armor 9831 B3XF	937	44.2	5.3	1.10	30.4	80.5
PHY 332 W3FE	930	45.2	5.0	1.12	31.5	82.5
PHY 443 W3FE	913	45.0	5.1	1.08	32.6	83.0
DP 2349NR B3XF	911	45.3	5.3	1.10	30.0	83.3
ST 4595B3XF	909	45.3	5.1	1.12	30.3	82.5
DP 2012 B3XF	902	45.3	5.1	1.15	27.7	81.2
BX 2392B3XF	895	44.7	5.0	1.07	28.9	82.3
PHY 415 W3FE	892	42.1	4.9	1.16	35.1	83.3
PHY 411 W3FE	891	41.4	5.0	1.05	30.9	82.0
DP 2127 B3XF	888	43.5	5.8	1.06	29.8	82.9
1140B373-04	887	44.4	4.5	1.10	32.4	83.1
1150B431-04	881	45.1	5.0	1.01	32.4	80.4
PHY 545 W3FE	871	44.3	5.2	1.04	30.3	81.6
PHY 400 W3FE	860	44.0	4.7	1.08	32.0	80.5
1140A385-04	860	44.6	4.8	1.08	32.3	83.4
DP 2333 B3XF	856	44.0	5.2	1.08	29.8	81.6
ST 4990B3XF	851	43.6	5.1	1.14	30.8	82.7
DP 2239 B3XF	849	41.7	5.1	1.16	31.2	81.8

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2055 B3XF	843	44.9	5.1	1.13	30.3	80.1
DG H959 B3XF	836	42.6	4.9	1.15	30.5	80.4
1150B437-04	824	45.2	5.3	1.04	32.3	81.5
1130B333-04	816	43.6	4.6	1.08	31.1	83.3
20R745NRB3XF	812	45.2	5.3	1.10	31.0	80.6
DG 3615 B3XF	809	42.8	5.1	1.10	32.5	82.6
DG 3519 B3XF	807	42.9	4.5	1.11	29.2	82.1
PHY 360 W3FE	762	43.9	4.9	1.05	28.0	80.4
DP 2141NR B3XF	702	43.9	5.8	1.08	31.5	82.7
1130B336-04	701	44.3	4.9	1.09	31.4	83.8
DG 3511 B3XF	676	43.6	5.0	1.11	32.9	83.6
Average	898	44.3	5.0	1.1	30.8	82.0
LSD at 10% level	178	N.S.	0.3	0.05	2.1	1.6
CV	18	4	6	4	6	2
Model R-Square	0.35	0.58	0.81	0.80	0.78	0.72

**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 22 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 411 W3FE	<b>1460</b>	47.3	5.3	1.08	33.6	84.2
DP 2115 B3XF	<b>1439</b>	48.5	5.2	1.13	31.7	84.3
PHY 360 W3FE	<b>1430</b>	46.0	5.1	1.11	30.9	82.0
PHY 400 W3FE	<b>1429</b>	47.8	5.0	1.13	32.7	83.9
1140B373-04	<b>1395</b>	46.9	5.0	1.12	33.3	85.0
PHY 415 W3FE	<b>1346</b>	47.3	4.9	1.14	34.8	84.3
ST 5091B3XF	<b>1342</b>	49.0	4.9	1.14	31.7	83.3
ST 4595B3XF	<b>1337</b>	48.8	5.1	1.17	32.4	85.2
1130B336-04	<b>1336</b>	46.4	4.9	1.13	34.0	84.6
PHY 332 W3FE	<b>1334</b>	47.3	5.1	1.16	34.4	84.9
DP 1646 B2XF	1295	47.3	5.0	1.22	31.1	83.7
PHY 443 W3FE	1293	47.6	5.3	1.12	32.6	83.9
Armor 9371 B3XF	1246	47.5	5.2	1.15	31.6	85.5
1140A385-04	1225	50.0	5.1	1.11	34.7	85.2
BX 2394B3XF	1223	46.3	5.0	1.13	33.1	84.1
1130B333-04	1217	46.5	4.9	1.14	34.5	84.7
PHY 545 W3FE	1216	49.0	5.0	1.07	31.6	84.3
ST 4990B3XF	1204	43.2	5.1	1.22	32.3	85.5
DG 3456 B3XF	1167	47.9	4.9	1.13	30.5	84.4
DP 2127 B3XF	1165	48.2	5.5	1.11	31.8	84.7
1150B437-04	1157	45.0	4.9	1.08	32.7	84.1
1150B435-04	1144	43.2	5.1	1.08	32.5	83.7
1150A450-04	1104	47.5	5.3	1.09	34.6	84.4
1150B434-04	1101	41.8	4.8	1.10	33.5	83.9
DG 3535 B3XF	1084	46.0	5.0	1.16	30.7	85.2
1150B431-04	1039	43.5	4.8	1.07	34.8	83.7
DP 1822 XF	1018	45.5	5.1	1.17	36.1	84.7
BX 2396B3XF	1017	48.2	5.3	1.09	29.8	83.8
BX 2398B3XF	1007	45.4	5.4	1.19	31.1	85.4
DP 2012 B3XF	990	45.2	4.7	1.17	32.8	85.5
BX 2392B3XF	973	47.2	5.0	1.15	31.2	84.2
DP 2020 B3XF	967	43.6	4.6	1.19	32.4	85.0
Average	1209	46.6	5.0	1.13	32.7	84.4
LSD at 10% level	143	0.02	0.3	0.04	2.1	1.3
CV	16	4	5	4	5	1
Model R-Square	0.69	0.88	0.68	0.87	0.80	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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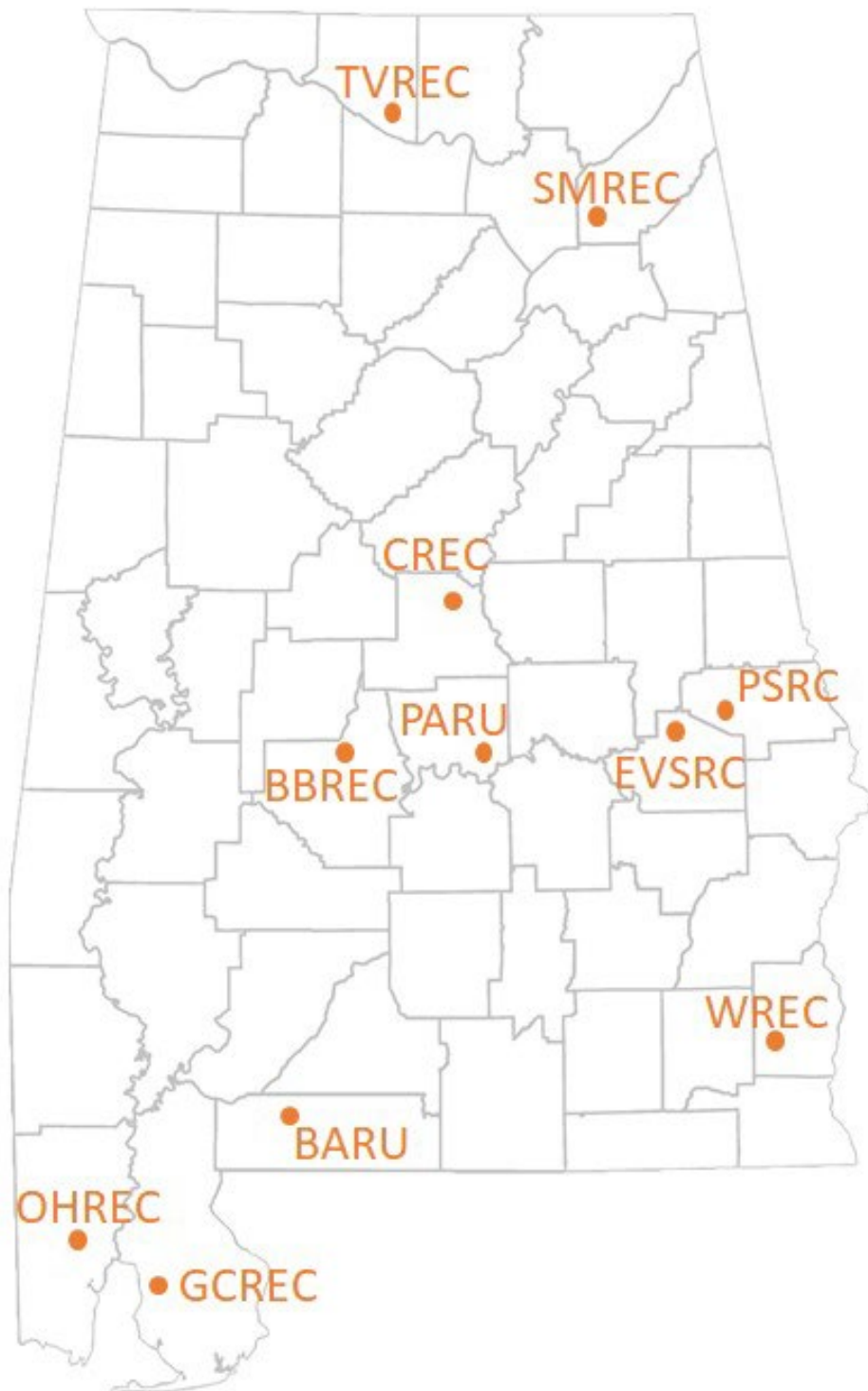
**NON-IRRIGATED SHORT SEASON**  
**TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER**  
**BELLE MINA, AL**

**TABLE 23 – LOCATION SPECIFIC DATA**

Variety	Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2115 B3XF	<b>1448</b>	47.1	5.0	1.19	32.1	84.7
PHY 411 W3FE	<b>1446</b>	47.9	5.2	1.08	33.8	83.8
PHY 443 W3FE	<b>1446</b>	46.0	5.1	1.17	33.6	85.9
ST 4595B3XF	<b>1443</b>	48.5	5.2	1.19	32.3	85.6
1140B373-04	<b>1441</b>	46.7	4.9	1.16	35.1	85.5
PHY 332 W3FE	<b>1424</b>	46.6	4.9	1.20	34.6	85.5
ST 4990B3XF	<b>1370</b>	43.2	4.9	1.21	32.4	86.7
PHY 415 W3FE	<b>1367</b>	46.3	5.0	1.19	36.4	85.3
DG 3535 B3XF	<b>1367</b>	45.6	5.0	1.21	33.3	84.6
Armor 9371 B3XF	<b>1357</b>	47.2	4.8	1.19	31.3	85.8
PHY 360 W3FE	<b>1341</b>	45.6	5.0	1.19	32.0	84.1
DP 1822 XF	<b>1340</b>	44.3	4.8	1.22	36.2	84.0
PHY 400 W3FE	<b>1337</b>	46.5	4.5	1.17	34.5	84.3
1130B333-04	1325	45.8	5.1	1.2	34.9	85.5
BX 2394B3XF	1320	45.4	4.4	1.17	31.9	83.9
DP 1646 B2XF	1314	46.5	5.0	1.22	30.3	84.7
PHY 545 W3FE	1312	48.6	5.0	1.13	33.4	84.4
1130B336-04	<b>1304</b>	46.2	5.0	1.2	35.6	86.2
1140A385-04	1293	49.5	5.3	1.13	35.9	86.2
DP 2127 B3XF	1290	47.1	5.3	1.16	30.9	85.9
1150A450-04	1256	46.8	5.2	1.14	33.1	84.5
ST 5091B3XF	1254	46.7	4.3	1.18	30.1	84.0
BX 2396B3XF	1253	47.3	5.3	1.19	30.3	85.6
DG 3456 B3XF	1235	47.5	4.8	1.17	30.5	82.9
DP 2020 B3XF	1216	44.1	4.8	1.20	33.2	84.2
1150B434-04	1215	43.4	4.7	1.10	32.6	83.9
1150B431-04	1195	43.8	4.9	1.11	34.9	84.5
1150B437-04	1174	45.3	5.0	1.11	35.8	84.2
DP 2012 B3XF	1169	45.8	4.8	1.17	31.0	84.9
BX 2398B3XF	1169	45.8	5.3	1.19	29.8	83.6
1150B435-04	1133	42.6	4.9	1.13	34.2	83.6
BX 2392B3XF	1120	46.2	4.7	1.17	30.9	84.9
Average	1302	46.1	4.9	1.16	33.0	84.8
LSD at 10% level	122	1.2	0.3	0.05	1.2	1.2
CV	11	4	6	4	6	1
Model R-Square	0.58	0.94	0.77	0.78	0.94	0.78

**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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