PERFORMANCE OF COTTON VARIETIES IN ALABAMA, 2020

DEPT. SERIES NO. CSES2020: COTTON
HENRY G. JORDAN JR., VARIETY TESTING MANAGER
CROP, SOIL & ENVIRONMENTAL SCIENCES
AUBURN UNIVERSITY, AUBURN AL
JANUARY 11, 2021

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.

AUBURN
AGRICULTURE

ACKNOWLEDGEMENT

DR. PAUL PATTERSON, DEAN AND DIRECTOR
ALABAMA AGRICULTURAL EXPERIMENT STATION

DR. HENRY FADAMIRO, ASSOCIATE DEAN FOR RESEARCH &
ASSOCIATE DIRECTOR, ALABAMA AGRICULTURAL EXPERIMENT STATION

GREG PATE, DIRECTOR OF RESEARCH OPERATIONS FOR OUTLYING UNITS
ALABAMA AGRICULTURAL EXPERIMENT STATION

DR. JOHN BEASLEY, DEPT. HEAD
CROP, SOIL & ENVIRONMENTAL SCIENCES

KATHY BURCH, RESEARCH ASSISTANT IV
ENTOMOLOGY AND PLANT PATHOLOGY

AUBURN UNIVERSITY VARIETY TESTING STUDENT WORKERS
LANE GALLOWAY
SAVANNA DURAN
JOSEPH BURCH
JAMES BURCH
JODIE SPIVEY
ISAAC EVANS

TABLE OF CONTENTS

LOCATION TABLES

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

Shawn Scott, Associate Director

WEBSITE

YIELD/QUALITY

IRRIGATED FULL SEASON **IRIGATED SHORT SEASON**

NON-IRRIGATED FULL SEASON **NON-IRRIGATED SHORT SEASON**

DISEASE

IRRIGATED FULL SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

Don Moore, Director

WEBSITE

YIELD/QUALITY

IRRIGATED FULL SEASON **IRIGATED SHORT SEASON**

NON-IRRIGATED FULL SEASON **NON-IRRIGATED SHORT SEASON**

DISEASE

IRRIGATED FULL SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER
BELLE MINA, AL

Chet Norris, Director

David Harkins, Associate Director

WEBSITE

IRRIGATED FULL SEASON **IRIGATED SHORT SEASON**

NON-IRRIGATED FULL SEASON **NON-IRRIGATED SHORT SEASON**

EXTENSION NEWSLETTERS

ALABAMA COTTON SHORTS

ALABAMA CROPS REPORT

MANAGEMENT INFORMATION

Two subsamples per variety are obtained from each test. 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 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 30	May 6	Irr. – April 27 Non-Irr. – April 28	Irr – May 28 Non-Irr – May 29	May 6
Short Season Plant Dates	May 26	June 1	Irr. – May 19 Non-Irr. – May 20	June 2	June 1
Full Season Harvest Dates	Non Irr - October 7 Irr. – October 23	October 23	Irr. – October. 7 Non-Irr. – Oct. 22	November 3	N/A
Short Season Harvest Dates	November 3	November 21	November 19	Irr – Nov. 16 Non-Irr. – Nov. 17	N/A
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	Irr – 148N-46P-60K Non-Irr – 105N-40P-40K	Irr -130N-130P-180K	99N-0P-60K	98N-60P-70K	N/A

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Gulf Coast
Herbicides	Cotoran Roundup Staple Suprend	Diuron Dual Magnum MSMA Reflex Roundup Valor Warrant	Cotoran Diuron Reflex Valor Warrant	Diuron Glyphosate Prowl H2O Reflex Warrant	N/A
Insecticides	Bidrin Diamond Transform Tundra	Acephate Bidrin Centric Diamond	Bifen	Bifenthrin	N/A
Fungicides	None	Echo 720 Proline	None	None	N/A
Test Conducted By	B. Durham D. Harkins	S. Scott	D. Moore C. Henderson	L. Wells C. Parker	M. Pegues J. Jones

Table of Contents

TABLE 2 – RAINFALL AND IRRIGATION IN INCHES

Research Center	Tennessee Valley	E.V. Smith	Prattville	Wiregrass	Gulf Coast
Irrigation	Full and Short Season - 4.20	Full Season – 2.50 Short Season - 2.15	Full Season - 1.70 Short Season - 1.53	Full and Short Season – 3.00	N/A
April	7.08	7.01	5.70	N/A	N/A
May	4.35	5.42	3.38	3.44	4.01
June	3.52	4.91	5.14	3.22	8.59
July	2.90	4.39	6.36	5.47	13.78
August	3.92	4.57	7.22	7.57	5.39
September	5.02	7.38	6.58	9.65	17.25
October	5.07	4.99	4.27	0.83	5.36
November	N/A	0.85 at harvest	0.02 at harvest	0.33 at harvest	N/A

Table of Contents

SEED SOURCES

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

Source	Source Location	Variety
Americot	Lubbock, Texas	AMX19A014B3XF AMX19A015B3XF AMX19A016B3XF AMX19A018B3XF NG 3195 B3XF NG 5150 B3XF NG3522B2XF NG3729B2XF NG3930B3XF NG4098B3XF NG4936B3XF NG5007B2XF NG5711B3XF
BASF - Stoneville	Lubbock, Texas	BX 2151GLTP ST 5091B3XF BX 2192B3XF ST 4993B3XF BX 2194B3XF ST 4550GLTP ST 4990B3XF ST 5471GLTP ST 5600B2XF ST 5610B3XF
Bayer Crop Science	St. Louis, Missouri	DP 2115 B3XF 19R125B3XF 19R132B3XF DP 2141NR B3XF DP 1646 B2XF DP 1725 B2XF DP 1840 B3XF DP 1851 B3XF DP 2012 B3XF DP 2020 B3XF DP 2038 B3XF DP 2055 B3XF

Source	Source Location	Variety
Dyna-Gro	Bloomville, Ohio	DG 3317 B3XF DG 3520 B3XF DG 3535 B3XF DG 3605 B2XF DG 3615 B3XF DG 3799 B3XF
PhytoGen Cottonseed	Indianapolis, Indiana	PHY 340 W3FE PHY 350 W3FE PHY 360 W3FE PHY 390 W3FE PHY 400 W3FE PHY 480 W3FE PHY 500 W3FE PHY 580 W3FE PHY 332 W3FE PHY 443 W3FE PX4B08W3FE PHY 545 W3FE PX5E28W3FE PX5E34W3FE
WinField United	Prosper, Texas	Armor 9371 B3XF Armor 9831 B3XF Armor 9210 B3XF Armor 9608 B3XF

Table of Contents

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

Table of Contents

TABLE 5 - YIELD IN POUNDS PER ACRE

Variety	Yield	TVREC	EVSREC	PARU	WGREC
DP 2038 B3XF	**1637**	**2167**	1360	**1862**	1159
ST 4550GLTP	**1628**	**2063**	**1576**	1652	1221
DG 3799 B3XF	**1625**	1943	**1703**	1510	**1343**
DG 3615 B3XF	**1619**	1884	**1472**	1666	**1452**
ST 4993B3XF	**1608**	1862	**1642**	**1725**	1203
PHY 480 W3FE	**1556**	**1994**	**1461**	1589	1178
Armor 9831 B3XF	**1547**	**1966**	1401	**1783**	1038
DP 1840 B3XF	1516	**2027**	1388	1596	1053
PHY 443 W3FE	1498	1848	1379	1668	1095
PHY 545 W3FE	1487	**2150**	1381	1514	904
ST 5471GLTP	1487	**2075**	1164	1466	1242
19R132B3XF	1487	1843	1431	1453	1219
ST 5610B3XF	1482	1817	1437	1508	1167
PHY 580 W3FE	1476	1861	1363	**1685**	994
NG 5150 B3XF	1473	1918	1428	1499	1049
PHY 400 W3FE	1466	**2007**	1245	1457	1157
ST 5091B3XF	1463	1905	1395	1368	1183
DP 2141NR B3XF	1448	1727	1304	1524	1237
DP 1646 B2XF	1444	1852	1094	1656	1176
NG 3195 B3XF	1444	1554	1392	1558	1273
ST 5600B2XF	1439	1791	1348	1582	1035
BX 2192B3XF	1435	1936	1081	1435	**1289**
BX 2194B3XF	1435	1932	1232	1534	1043
PHY 390 W3FE	1433	**1957**	1143	1536	1096
PX5E28W3FE	1433	1917	1268	1353	1192
DP 2055 B3XF	1427	1750	1305	1432	1221
PHY 500 W3FE	1421	1864	1202	1489	1128
NG5711B3XF	1415	1837	1201	1469	1153
NG4936B3XF	1407	1823	1324	1296	1184
PX4B08W3FE	1396	1805	1157	1420	1203
PX5E34W3FE	1387	1793	1169	1432	1152
BX 2151GLTP	1381	1606	1232	1402	**1286**
DP 1851 B3XF	1379	1809	1359	1436	910
NG3729B2XF	1356	1673	1276	1360	1116
PHY 332 W3FE	1350	1755	1079	1452	1114
NG5007B2XF	1347	1615	1249	1289	1234
DG 3605 B2XF	1339	1841	1080	1462	971
AMX19A016B3XF	1321	1682	1303	1230	1069
ST 4990B3XF	1321	1767	1084	1355	1078
NG4098B3XF	1313	1691	1055	1561	945
NG3930B3XF	1303	1857	1001	1247	1109

Variety	Yield	TVREC	EVSREC	PARU	WGREC
NG3522B2XF	1302	1638	1269	1296	1006
AMX19A018B3XF	1253	1867	945	1332	869
AMX19A014B3XF	1222	1627	998	1232	1029
AMX19A015B3XF	1162	1579	911	1200	956
Average	1430	1842	1273	1479	1127
LSD @ 10% Level	117	217	263	189	176
CV	24	12	21	14	16

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.

Table of Contents

2020 FULL SEASON NON-IRRIGATED STATEWIDE SUMMARY

TABLE 6 - YIELD IN POUNDS PER ACRE

Variety	Yield	TVREC	EVSREC	PARU	WGREC
DG 3615 B3XF	**1173**	766	**1256**	**1489**	**1237**
PHY 480 W3FE	**1160**	739	**1043**	**1595**	**1318**
PHY 443 W3FE	**1153**	**854**	**1119**	**1576**	1117
Armor 9831 B3XF	**1151**	**908**	**1244**	1297	**1213**
DG 3799 B3XF	**1145**	**800**	**1141**	1409	**1288**
AMX19A016B3XF	**1144**	765	**1246**	1323	**1299**
PHY 500 W3FE	**1130**	**789**	1007	**1553**	**1225**
DP 2038 B3XF	**1128**	**855**	**1105**	**1477**	1131
BX 2151GLTP	**1123**	765	**1120**	**1480**	**1184**
ST 5471GLTP	**1121**	**810**	**1152**	1362	**1214**
PHY 580 W3FE	**1117**	**827**	**1061**	1464	**1173**
ST 4993B3XF	**1104**	**839**	**1260**	1417	955
PHY 332 W3FE	**1103**	**910**	963	**1476**	1119
PX4B08W3FE	**1101**	**840**	985	1458	**1177**
PHY 545 W3FE	**1096**	**879**	897	1459	**1204**
PHY 400 W3FE	**1091**	739	978	**1534**	**1168**
NG 3195 B3XF	**1088**	730	**1260**	1352	1067
BX 2192B3XF	1078	758	**1049**	1262	**1296**
DP 2055 B3XF	1077	763	961	**1601**	1039
NG3522B2XF	1076	755	998	1455	1152
ST 5091B3XF	1062	**831**	**1097**	1283	1093
PX5E28W3FE	1062	710	**1049**	1365	**1178**
ST 5600B2XF	1059	**818**	843	**1519**	1112
NG 5150 B3XF	1059	715	**1058**	1384	1133
DP 1851 B3XF	1052	**878**	910	1422	1055
DP 1840 B3XF	1051	699	**1062**	1434	1066
DP 2141NR B3XF	1050	771	839	**1518**	1127
BX 2194B3XF	1045	630	**1122**	1391	1094
NG4098B3XF	1022	**833**	968	1365	975
ST 4550GLTP	1019	738	**1042**	1256	1097
19R132B3XF	1017	757	937	1290	1140
DG 3605 B2XF	1014	771	**1047**	1189	1103
NG5711B3XF	1012	703	**1106**	1211	1086
NG5007B2XF	995	752	**1038**	1306	938
NG4936B3XF	983	769	987	1240	992
DP 1646 B2XF	981	675	815	1293	**1197**
ST 4990B3XF	975	648	899	1313	1094
PHY 390 W3FE	963	745	826	1340	998
NG3729B2XF	960	728	**1102**	1104	959
ST 5610B3XF	953	666	890	1353	959
AMX19A014B3XF	939	664	956	1203	988

Variety	Yield	TVREC	EVSREC	PARU	WGREC
PX5E34W3FE	906	748	720	1213	998
AMX19A015B3XF	893	652	946	1145	884
AMX19A018B3XF	891	**873**	808	1020	920
NG3930B3XF	876	**799**	694	1211	856
Average	1049	770	1013	1365	1103
LSD @ 10% Level	93	135	228	137	153
CV	26	16	23	12	15

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.

Table of Contents

2020 SHORT SEASON IRRIGATED STATEWIDE SUMMARY

TABLE 7 - YIELD IN POUNDS PER ACRE

Variety	Yield	TVREC	EVSREC	PARU	WGREC
Armor 9210 B3XF	**1557**	2066	**1078**	1184	**1423**
DP 2115 B3XF	**1527**	**2287**	942	**1374**	**1506**
ST 5471GLTP	**1519**	**2244**	**1097**	1289	**1445**
19R125B3XF	**1512**	**2230**	909	**1509**	1399
ST 4550GLTP	**1504**	**2303**	**1044**	1146	**1523**
AMX19A016B3XF	**1490**	1958	**1121**	**1370**	**1513**
DP 2038 B3XF	**1466**	**2289**	817	**1388**	1371
NG 3195 B3XF	1453	1970	**1048**	1322	**1470**
PX4B08W3FE	1449	**2161**	**1120**	1197	1318
NG4098B3XF	1438	2099	960	**1414**	1280
DP 1725 B2XF	1426	**2188**	821	1287	1408
PHY 443 W3FE	1424	2005	965	**1381**	1342
DP 2020 B3XF	1420	1934	**981**	**1386**	1378
DG 3535 B3XF	1408	2068	847	**1474**	1243
Armor 9371 B3XF	1405	**2376**	890	1352	**1479**
AMX19A015B3XF	1404	1978	**1028**	1288	1325
AMX19A014B3XF	1401	1975	**1039**	1318	1272
DP 1646 B2XF	1396	**2192**	756	1310	1327
ST 4990B3XF	1388	**2157**	887	1219	1290
DG 3520 B3XF	1388	2059	**1017**	1258	1219
PHY 400 W3FE	1371	2056	806	1324	1297
NG4936B3XF	1356	1946	893	1326	1259
Armor 9608 B3XF	1354	2153	881	1165	1219
NG5711B3XF	1352	**2178**	659	1233	1337
DG 3317 B3XF	1341	**2169**	901	1044	1252
PHY 350 W3FE	1341	1998	**986**	1211	1169
DP 2012 B3XF	1338	1824	935	1273	1320
NG5007B2XF	1328	1876	797	1342	1300
PHY 360 W3FE	1326	1895	900	1222	1289
NG 5150 B3XF	1310	1944	771	1270	1256
PHY 390 W3FE	1306	1976	640	1331	1279
NG3930B3XF	1298	1959	851	1195	1188
NG3522B2XF	1293	1838	823	1302	1208
NG3729B2XF	1281	1861	806	1132	1327
PHY 545 W3FE	1265	2022	673	1097	1266
PHY 332 W3FE	1253	1883	663	1164	1301
PHY 340 W3FE	1201	1922	632	1118	1131

Variety	Yield	TVREC	EVSREC	PARU	WGREC
AMX19A018B3XF	1128	2000	683	861	966
Average	1379	2054	886	1265	1313
LSD @ 10% Level	94	223	153	142	102
CV	33	11	21	14	11

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.

Table of Contents

2020 SHORT SEASON NON-IRRIGATED STATEWIDE SUMMARY

TABLE 8 - YIELD IN POUNDS PER ACRE

Variety	Yield	TVREC	EVSREC	PARU	WGREC
ST 4550GLTP	**1167**	891	**1000**	**1323**	**1453**
DP 2038 B3XF	**1151**	959	893	**1299**	**1452**
DP 2115 B3XF	**1104**	688	**944**	**1427**	**1358**
Armor 9210 B3XF	**1098**	714	**1019**	1113	**1419**
DP 2020 B3XF	**1097**	697	**1155**	1239	**1296**
ST 5471GLTP	**1091**	794	**1162**	1158	1252
NG 3195 B3XF	**1079**	824	**963**	1141	**1386**
19R125B3XF	**1075**	673	**1028**	**1345**	1252
PHY 390 W3FE	**1074**	750	922	**1365**	1259
DP 2012 B3XF	**1072**	689	**1065**	**1330**	1206
AMX19A016B3XF	**1069**	718	808	**1347**	**1402**
PHY 443 W3FE	**1068**	903	777	**1306**	**1291**
NG4936B3XF	1059	768	**980**	1220	1270
PX4B08W3FE	1057	747	**1098**	1192	1191
NG5711B3XF	1050	723	778	**1394**	**1305**
NG4098B3XF	1044	696	**1072**	**1338**	1070
Armor 9608 B3XF	1037	756	876	**1288**	1227
PHY 400 W3FE	1032	805	752	**1323**	1250
NG3930B3XF	1022	733	823	**1281**	1253
DP 1646 B2XF	1017	779	824	1265	1200
DG 3535 B3XF	1013	757	857	1239	1196
DG 3520 B3XF	1006	630	928	**1353**	1112
Armor 9371 B3XF	1000	779	886	1177	1286
ST 4990B3XF	999	814	863	1160	1157
AMX19A014B3XF	997	687	**940**	1250	1112
PHY 350 W3FE	985	701	851	1145	1244
PHY 332 W3FE	975	693	766	1192	1248
PHY 360 W3FE	967	801	**985**	998	1082
PHY 545 W3FE	963	805	703	1104	1240
DP 1725 B2XF	956	752	709	1199	1163
NG5007B2XF	952	669	716	1240	1182
NG3522B2XF	951	705	834	1186	1081
NG 5150 B3XF	951	729	656	**1376**	1041
NG3729B2XF	942	751	779	1040	1200
AMX19A015B3XF	920	674	846	1191	969
PHY 340 W3FE	918	673	801	1137	1061
DG 3317 B3XF	900	811	658	898	1233

Variety	Yield	TVREC	EVSREC	PARU	WGREC
AMX19A018B3XF	862	706	856	937	948
Average	1019	749	884	1224	1220
LSD @ 10% Level	106	N.S.	226	147	165
CV	28	18	25	24	14

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.

Table of Contents

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

TABLE 9 – LOCATION SPECIFIC DATA

The Gulf Coast Research and Extension Center received damaging wind and rain from Hurricane Sally in mid-September. Due to the extent of the damage, data from this location is not available.

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.

Table of Contents

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

TABLE 10 – LOCATION SPECIFIC DATA

The Gulf Coast Research and Extension Center received damaging wind and rain from Hurricane Sally in mid-September. Due to the extent of the damage, data from this location is not available.

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.

Table of Contents

IRRIGATED FULL SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 11 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3615 B3XF	**1452**	**3194**	45.5	4.3	1.18	31.7	83.1
DG 3799 B3XF	**1343**	**3122**	43.1	4.1	1.18	31.3	83.5
BX 2192B3XF	**1289**	**2940**	43.9	4.3	1.25	33.5	83.4
BX 2151GLTP	**1286**	2759	46.6	4.1	1.15	31.0	83.1
NG 3195 B3XF	1273	**2904**	43.9	4.6	1.15	29.4	84.3
ST 5471GLTP	1242	**2995**	41.5	3.9	1.18	30.4	83.0
DP 2141NR B3XF	1237	**2850**	43.4	4.8	1.16	31.0	83.6
NG5007B2XF	1234	**2850**	43.3	4.2	1.16	28.6	83.6
DP 2055 B3XF	1221	2704	45.1	4.5	1.20	30.5	83.2
ST 4550GLTP	1221	2723	44.8	4.3	1.13	31.4	83.7
19R132B3XF	1219	2723	44.8	4.9	1.15	33.4	84.9
ST 4993B3XF	1203	2686	44.8	4.4	1.14	31.6	84.7
PX4B08W3FE	1203	2668	45.1	4.4	1.07	31.9	82.6
PX5E28W3FE	1192	**2886**	41.3	3.8	1.16	31.8	83.3
NG4936B3XF	1184	**2831**	41.8	4.4	1.22	30.2	84.9
ST 5091B3XF	1183	2632	45.0	4.2	1.14	29.3	83.0
PHY 480 W3FE	1178	2741	43.0	4.5	1.13	29.6	84.0
DP 1646 B2XF	1176	2577	45.7	3.9	1.23	30.2	83.4
ST 5610B3XF	1167	2523	46.3	4.2	1.17	31.0	84.1
DP 2038 B3XF	1159	2378	48.8	4.5	1.16	30.1	83.0
PHY 400 W3FE	1157	2632	44.0	4.2	1.17	31.4	84.4
NG5711B3XF	1153	2668	43.3	4.1	1.19	30.3	83.0
PX5E34W3FE	1152	2723	42.3	3.9	1.16	30.6	83.3
PHY 500 W3FE	1128	2559	44.1	3.7	1.15	33.4	83.3
NG3729B2XF	1116	2668	41.9	4.4	1.18	31.4	84.1
PHY 332 W3FE	1114	2559	43.6	4.3	1.18	32.6	84.1
NG3930B3XF	1109	2614	42.4	4.3	1.17	30.2	84.1
PHY 390 W3FE	1096	2559	42.9	3.9	1.17	31.0	83.6
PHY 443 W3FE	1095	2505	43.7	4.2	1.12	31.0	83.7
ST 4990B3XF	1078	2559	42.1	4.3	1.18	30.7	84.9
AMX19A016B3XF	1069	2595	41.2	3.7	1.17	29.6	83.5
DP 1840 B3XF	1053	2432	43.3	4.0	1.18	30.2	83.6
NG 5150 B3XF	1049	2432	43.1	4.3	1.15	30.4	83.0
BX 2194B3XF	1043	2450	42.6	3.2	1.19	31.0	83.1
Armor 9831 B3XF	1038	2323	44.7	4.5	1.14	30.4	82.6
ST 5600B2XF	1035	2414	42.9	4.5	1.16	30.3	83.0
AMX19A014B3XF	1029	2432	42.3	4.4	1.16	29.9	84.4
NG3522B2XF	1006	2305	43.6	4.2	1.09	27.2	82.7
PHY 580 W3FE	994	2178	45.6	4.2	1.14	29.8	83.9
DG 3605 B2XF	971	2214	43.9	4.3	1.22	29.3	83.2
AMX19A015B3XF	956	2396	39.9	4.0	1.19	31.1	83.7

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG4098B3XF	945	2305	41.0	4.0	1.23	34.3	82.9
DP 1851 B3XF	910	2087	43.6	3.6	1.17	33.1	83.8
PHY 545 W3FE	904	1997	45.3	4.1	1.10	30.0	83.5
AMX19A018B3XF	869	2015	43.1	4.4	1.12	29.5	83.2
Average	1127	2585	43.6	4.2	1.16	30.8	83.6
LSD @ 10% Level	176	406	1.2	0.4	0.04	1.3	1.1
CV	16	16	4	9	3	5	1

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.

Table of Contents

NON-IRRIGATED FULL SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 12 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 480 W3FE	**1318**	**3086**	42.7	4.9	1.15	33.5	85.0
AMX19A016B3XF	**1299**	**3176**	40.9	5.2	1.18	34.0	83.3
BX 2192B3XF	**1296**	**3086**	42.0	4.4	1.19	29.8	84.6
DG 3799 B3XF	**1288**	**2886**	44.6	4.6	1.22	31.4	84.2
DG 3615 B3XF	**1237**	2777	44.5	4.6	1.17	30.2	82.9
PHY 500 W3FE	**1225**	**2868**	42.7	4.7	1.12	31.0	83.7
ST 5471GLTP	**1214**	**2977**	40.8	4.7	1.17	33.0	84.6
Armor 9831 B3XF	**1213**	2777	43.7	4.8	1.17	31.3	83.2
PHY 545 W3FE	**1204**	2741	43.9	4.8	1.17	30.9	82.6
DP 1646 B2XF	**1197**	2710	44.2	4.7	1.22	32.1	84.4
BX 2151GLTP	**1184**	2614	45.3	4.2	1.17	30.8	82.9
PX5E28W3FE	**1178**	**2977**	39.6	4.6	1.25	33.4	84.0
PX4B08W3FE	**1177**	2723	43.2	5.0	1.14	34.6	84.1
PHY 580 W3FE	**1173**	2632	44.6	3.9	1.23	31.5	84.6
PHY 400 W3FE	**1168**	2686	43.5	4.6	1.20	30.9	83.5
NG3522B2XF	1152	2807	41.0	4.7	1.18	33.1	83.2
19R132B3XF	1140	2595	43.9	4.8	1.18	32.7	82.9
NG 5150 B3XF	1133	2650	42.7	4.4	1.24	30.1	82.9
DP 2038 B3XF	1131	2396	47.2	4.5	1.22	31.2	84.0
DP 2141NR B3XF	1127	2632	42.8	4.3	1.19	33.9	84.2
PHY 332 W3FE	1119	2704	41.4	4.9	1.11	29.3	82.5
PHY 443 W3FE	1117	2650	42.1	4.5	1.23	31.3	84.0
ST 5600B2XF	1112	2595	42.9	4.7	1.08	28.3	82.4
DG 3605 B2XF	1103	2541	43.4	5.1	1.16	30.3	84.5
ST 4550GLTP	1097	2487	44.1	4.4	1.21	30.9	85.2
BX 2194B3XF	1094	2577	42.4	4.2	1.25	36.4	85.0
ST 4990B3XF	1094	2650	41.3	4.7	1.22	31.3	85.2
ST 5091B3XF	1093	2523	43.3	4.5	1.16	28.0	83.7
NG5711B3XF	1086	2559	42.4	4.7	1.20	31.4	83.9
NG 3195 B3XF	1067	2450	43.5	4.6	1.19	33.6	84.2
DP 1840 B3XF	1066	2595	41.1	4.6	1.16	32.0	84.3
DP 1851 B3XF	1055	2614	40.3	4.4	1.14	31.1	84.1
DP 2055 B3XF	1039	2487	41.8	4.3	1.18	35.6	84.5
PX5E34W3FE	998	2541	39.3	5.0	1.14	30.5	84.2
PHY 390 W3FE	998	2360	42.3	4.8	1.22	33.1	85.0
NG4936B3XF	992	2468	40.2	4.7	1.16	33.9	84.7
AMX19A014B3XF	988	2505	39.5	4.8	1.12	31.6	83.5
NG4098B3XF	975	2468	39.5	4.8	1.13	30.5	83.2
NG3729B2XF	959	2360	40.6	4.1	1.17	33.4	85.0
ST 5610B3XF	959	2142	44.8	3.9	1.18	33.9	84.4
ST 4993B3XF	955	2196	43.5	4.6	1.13	33.7	83.2

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG5007B2XF	938	2232	42.0	4.8	1.19	31.2	85.1
AMX19A018B3XF	920	2214	41.5	4.7	1.19	31.8	84.2
AMX19A015B3XF	884	2305	38.3	5.3	1.15	31.4	84.2
NG3930B3XF	856	2142	40.0	4.6	1.19	31.8	84.9
Average	1103	2604	42.3	4.6	1.18	31.9	84.0
LSD @ 10% Level	153	355	1.3	0.3	0.03	0.9	1.2
CV	15	14	5	7	3	6	1

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.

Table of Contents

IRRIGATED SHORT SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 13 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4550GLTP	**1523**	3249	46.9	4.7	1.13	31.2	84.5
AMX19A016B3XF	**1513**	**3539**	42.7	4.6	1.09	29.3	83.0
DP 2115 B3XF	**1506**	3194	47.1	4.8	1.13	31.1	84.8
Armor 9210 B3XF	**1479**	3231	45.8	4.7	1.11	27.9	84.7
NG 3195 B3XF	**1470**	3194	46.0	4.4	1.14	30.5	83.7
ST 5471GLTP	**1445**	**3358**	43.0	4.4	1.16	30.6	83.3
Armor 9371 B3XF	**1423**	3140	45.4	4.4	1.16	30.3	83.6
DP 1725 B2XF	1408	2995	47.0	4.2	1.20	32.1	86.0
19R125B3XF	1399	2977	47.0	3.9	1.13	29.0	82.8
DP 2020 B3XF	1378	3194	43.1	4.5	1.10	29.0	82.7
DP 2038 B3XF	1371	2813	48.7	4.2	1.15	29.0	84.1
PHY 443 W3FE	1342	3013	44.5	4.6	1.10	29.2	83.5
NG5711B3XF	1337	2940	45.5	4.3	1.17	29.5	84.4
NG3729B2XF	1327	3031	43.8	4.8	1.17	29.3	85.3
DP 1646 B2XF	1327	2850	46.6	4.5	1.15	30.7	83.8
AMX19A015B3XF	1325	3285	40.3	4.1	1.15	28.6	82.1
DP 2012 B3XF	1320	3049	43.3	4.3	1.17	30.7	84.3
PX4B08W3FE	1318	2831	46.6	4.6	1.06	29.7	81.5
PHY 332 W3FE	1301	3013	43.2	4.5	1.10	30.5	84.7
NG5007B2XF	1300	2904	44.8	4.3	1.14	29.1	83.6
PHY 400 W3FE	1297	2868	45.2	4.4	1.12	29.6	83.1
ST 4990B3XF	1290	2922	44.1	4.5	1.18	29.8	85.0
PHY 360 W3FE	1289	2904	44.4	4.6	1.12	30.8	84.5
NG4098B3XF	1280	2904	44.1	4.3	1.17	31.4	84.0
PHY 390 W3FE	1279	2850	44.9	4.2	1.14	28.9	82.8
AMX19A014B3XF	1272	3067	41.5	3.8	1.18	28.8	82.7
PHY 545 W3FE	1266	2777	45.6	4.2	1.13	31.5	82.7
NG4936B3XF	1259	2904	43.4	4.3	1.20	30.5	84.6
NG 5150 B3XF	1256	2795	44.9	4.4	1.16	29.9	84.1
DG 3317 B3XF	1252	2723	46.0	3.9	1.23	31.7	85.3
DG 3535 B3XF	1243	2850	43.6	4.3	1.21	29.2	84.7
Armor 9608 B3XF	1219	2723	44.8	4.7	1.12	29.3	84.1
DG 3520 B3XF	1219	2813	43.3	4.0	1.16	30.2	83.3
NG3522B2XF	1208	2741	44.1	4.5	1.09	28.1	82.2
NG3930B3XF	1188	2813	42.2	4.5	1.16	29.5	84.1
PHY 350 W3FE	1169	2741	42.6	4.6	1.15	29.0	84.4
PHY 340 W3FE	1131	2505	45.1	4.3	1.19	32.1	84.1
AMX19A018B3XF	966	2178	44.4	4.8	1.16	30.8	84.5

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Average	1313	2944	44.6	4.4	1.15	29.9	83.8
LSD @ 10% Level	102	232	1.5	0.2	0.03	1.8	1.3
CV	11	10	4	6	3	4	1

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.

Table of Contents

NON-IRRIGATED SHORT SEASON

WIREGRASS RESEARCH AND EXTENSION CENTER
HEADLAND, AL

TABLE 14 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4550GLTP	**1453**	**3140**	46.3	4.8	1.15	30.7	84.4
DP 2038 B3XF	**1452**	**3122**	46.5	4.8	1.18	29.9	85.2
Armor 9371 B3XF	**1419**	**3194**	44.4	4.5	1.15	29.6	83.8
AMX19A016B3XF	**1402**	**3267**	43.1	4.4	1.15	30.8	83.9
NG 3195 B3XF	**1386**	**3086**	44.9	4.7	1.15	31.2	84.0
DP 2115 B3XF	**1358**	**3013**	45.1	5.2	1.14	34.1	85.5
NG5711B3XF	**1305**	2868	45.7	4.6	1.21	29.7	84.0
DP 2020 B3XF	**1296**	**3067**	42.3	4.7	1.12	29.0	81.6
PHY 443 W3FE	**1291**	**2958**	43.7	4.4	1.13	29.8	84.2
Armor 9210 B3XF	1286	2868	44.9	4.9	1.13	29.8	83.9
NG4936B3XF	1270	**3013**	42.2	4.7	1.22	30.7	86.2
PHY 390 W3FE	1259	**2886**	43.6	4.6	1.17	29.9	84.3
NG3930B3XF	1253	**3067**	40.9	4.3	1.18	29.7	84.1
19R125B3XF	1252	2795	44.9	4.5	1.19	29.3	84.6
ST 5471GLTP	1252	**2922**	42.9	4.3	1.18	30.4	83.6
PHY 400 W3FE	1250	2759	45.2	4.4	1.18	33.4	83.6
PHY 332 W3FE	1248	**2995**	41.7	4.6	1.15	33.9	86.1
PHY 350 W3FE	1244	**3067**	40.6	4.3	1.16	31.5	85.1
PHY 545 W3FE	1240	2795	44.4	4.5	1.16	31.8	84.7
DG 3317 B3XF	1233	2868	42.9	4.1	1.26	30.9	86.4
Armor 9608 B3XF	1227	2650	46.3	4.7	1.11	29.4	84.1
DP 2012 B3XF	1206	2741	44.0	4.9	1.22	31.7	85.2
DP 1646 B2XF	1200	2723	44.1	4.7	1.17	30.3	84.4
NG3729B2XF	1200	**2922**	41.1	4.9	1.20	29.1	86.4
DG 3535 B3XF	1196	2831	42.3	4.5	1.24	29.0	84.7
PX4B08W3FE	1191	2650	44.9	4.5	1.11	31.7	84.0
NG5007B2XF	1182	2868	41.2	4.2	1.15	29.6	83.0
DP 1725 B2XF	1163	2595	44.8	4.8	1.18	32.2	85.0
ST 4990B3XF	1157	2777	41.7	4.7	1.21	31.1	85.8
DG 3520 B3XF	1112	2650	42.0	4.6	1.19	31.2	84.8
AMX19A014B3XF	1112	2741	40.5	4.2	1.25	29.8	85.2
PHY 360 W3FE	1082	2577	42.0	4.6	1.16	30.5	84.5
NG3522B2XF	1081	2632	41.1	4.7	1.13	27.8	84.4
NG4098B3XF	1070	2632	40.6	4.5	1.25	34.8	85.6
PHY 340 W3FE	1061	2468	43.0	4.5	1.20	32.5	84.5
NG 5150 B3XF	1041	2396	43.5	4.4	1.18	30.7	83.7
AMX19A015B3XF	969	2595	37.3	4.2	1.16	29.9	83.8

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
AMX19A018B3XF	948	2232	42.5	5.0	1.20	30.1	85.0
Average	1220	2827	43.1	4.5	1.17	30.7	84.5
LSD @ 10% Level	165	387	1.7	0.3	0.03	2.0	1.3
CV	14	13	5	7	3	6	1

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.

Table of Contents

IRRIGATED FULL SEASON

YIELD/QUALITY

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

TABLE 15 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DG 3799 B3XF	**1703**	**3994**	44.9	5.0	1.13	31.3	81.5
ST 4993B3XF	**1642**	**3564**	48.3	5.2	1.12	33.1	83.6
ST 4550GLTP	**1576**	**3430**	48.2	5.1	1.16	33.7	83.0
DG 3615 B3XF	**1472**	3259	47.6	5.5	1.10	30.2	81.0
PHY 480 W3FE	**1461**	3204	47.7	5.2	1.05	29.9	81.8
ST 5610B3XF	1437	3191	47.4	4.9	1.14	32.8	82.6
19R132B3XF	1431	3062	49.2	5.2	1.11	33.2	81.2
NG 5150 B3XF	1428	3217	46.7	5.3	1.15	30.6	81.0
Armor 9831 B3XF	1401	3188	46.4	5.4	1.14	33.0	81.9
ST 5091B3XF	1395	3054	48.4	5.0	1.13	29.5	80.6
NG 3195 B3XF	1392	3028	48.3	5.0	1.12	30.3	81.3
DP 1840 B3XF	1388	3351	43.5	4.6	1.23	32.8	82.9
PHY 545 W3FE	1381	2971	48.6	4.9	1.09	31.1	81.6
PHY 443 W3FE	1379	2842	50.7	5.1	1.05	32.4	81.8
PHY 580 W3FE	1363	2982	48.0	4.9	1.05	30.8	80.7
DP 2038 B3XF	1360	2807	51.0	5.0	1.07	30.6	80.6
DP 1851 B3XF	1359	3125	45.4	4.5	1.17	34.1	82.0
ST 5600B2XF	1348	3048	46.9	5.4	1.13	33.6	83.0
NG4936B3XF	1324	3051	45.8	4.8	1.16	31.0	83.1
DP 2055 B3XF	1305	2968	46.2	5.4	1.22	31.8	82.8
DP 2141NR B3XF	1304	2999	45.7	5.3	1.13	32.5	81.4
AMX19A016B3XF	1303	3003	45.8	5.2	1.02	26.3	80.7
NG3729B2XF	1276	2775	48.1	5.3	1.11	29.9	82.6
NG3522B2XF	1269	2843	47.1	5.0	1.11	27.4	81.1
PX5E28W3FE	1268	2866	46.8	4.6	1.12	32.7	81.7
NG5007B2XF	1249	2768	47.5	4.9	1.11	29.2	81.3
PHY 400 W3FE	1245	2997	43.7	4.8	1.25	36.0	86.0
BX 2151GLTP	1232	2712	48.2	5.0	1.20	33.2	83.7
BX 2194B3XF	1232	2850	45.8	4.4	1.17	29.6	82.8
PHY 500 W3FE	1202	2726	46.4	4.5	1.15	35.1	84.4
NG5711B3XF	1201	2785	45.3	4.8	1.12	30.0	79.3
PX5E34W3FE	1169	2727	45.3	4.7	1.11	32.9	81.0
ST 5471GLTP	1164	2700	45.6	4.7	1.14	31.6	82.1

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PX4B08W3FE	1157	2363	51.6	5.1	1.06	31.4	82.1
PHY 390 W3FE	1143	2360	51.3	4.6	1.11	30.0	80.9
DP 1646 B2XF	1094	2453	46.8	5.1	1.26	31.6	83.6
ST 4990B3XF	1084	2622	43.7	4.7	1.13	29.9	82.2
BX 2192B3XF	1081	2485	46.1	4.7	1.22	33.3	80.9
DG 3605 B2XF	1080	2381	47.9	5.0	1.16	30.1	81.0
PHY 332 W3FE	1079	2450	46.5	4.5	1.19	31.8	82.7
NG4098B3XF	1055	2579	43.3	4.7	1.17	34.0	81.4
NG3930B3XF	1001	2383	44.6	4.9	1.13	29.4	82.8
AMX19A014B3XF	998	2244	47.0	5.0	1.06	27.4	80.3
AMX19A018B3XF	945	2377	42.0	4.8	1.14	32.9	83.0
AMX19A015B3XF	911	2127	45.3	4.8	1.09	28.8	79.6
Average	1273	2865	46.8	4.9	1.13	31.4	81.9
LSD @ 10% Level	263	570	3.0	0.5	0.07	2.4	2.4
CV	21	20	6	7	5	7	2

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.

Table of Contents

IRRIGATED FULL SEASON

DISEASE

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

Disease ratings provided by:
Kathy Burch, Research Assistant IV
Entomology and Plant Pathology, Auburn University

TABLE 16 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Target Spot August 3 1-9	Target Spot August 17 1-9
DG 3799 B3XF	**1703**	1.0	1.3
ST 4993B3XF	**1642**	1.0	1.1
ST 4550GLTP	**1576**	1.2	1.0
DG 3615 B3XF	**1472**	1.0	1.1
PHY 480 W3FE	**1461**	1.0	1.0
ST 5610B3XF	1437	1.1	1.2
19R132B3XF	1431	1.3	1.2
NG 5150 B3XF	1428	1.0	1.0
Armor 9831 B3XF	1401	1.0	1.2
ST 5091B3XF	1395	1.0	1.0
NG 3195 B3XF	1392	1.2	1.1
DP 1840 B3XF	1388	1.0	1.1
PHY 545 W3FE	1381	1.0	1.2
PHY 443 W3FE	1379	1.1	1.3
PHY 580 W3FE	1363	1.0	1.0
DP 2038 B3XF	1360	1.0	1.0
DP 1851 B3XF	1359	1.0	1.0
ST 5600B2XF	1348	1.0	1.0
NG4936B3XF	1324	1.0	1.0
DP 2055 B3XF	1305	1.3	1.1
DP 2141NR B3XF	1304	1.0	1.0
AMX19A016B3XF	1303	1.0	1.3
NG3729B2XF	1276	1.0	1.0
NG3522B2XF	1269	1.0	1.0
PX5E28W3FE	1268	1.0	1.1
NG5007B2XF	1249	1.0	1.0
PHY 400 W3FE	1245	1.0	1.0
BX 2151GLTP	1232	1.1	1.0

Variety	Lint Yield pounds per acre	Target Spot August 3 1-9	Target Spot August 17 1-9
BX 2194B3XF	1232	1.0	1.1
PHY 500 W3FE	1202	1.1	1.0
NG5711B3XF	1201	1.0	1.0
PX5E34W3FE	1169	1.0	1.2
ST 5471GLTP	1164	1.0	1.2
PX4B08W3FE	1157	1.0	1.0
PHY 390 W3FE	1143	1.1	1.0
DP 1646 B2XF	1094	1.0	1.2
ST 4990B3XF	1084	1.0	1.0
BX 2192B3XF	1081	1.0	1.0
DG 3605 B2XF	1080	1.0	1.0
PHY 332 W3FE	1079	1.0	1.0
NG4098B3XF	1055	1.0	1.1
NG3930B3XF	1001	1.0	1.0
AMX19A014B3XF	998	1.0	1.0
AMX19A018B3XF	945	1.0	1.0
AMX19A015B3XF	911	1.0	1.0
Average	1273	1.0	1.1
LSD @ 10% Level	263	N.S.	N.S.
CV	21	12	17

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.

Table of Contents

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

TABLE 17 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG 3195 B3XF	**1260**	**2803**	47.2	4.9	0.98	29.3	79.8
ST 4993B3XF	**1260**	**2910**	45.5	5.1	1.15	28.7	79.5
DG 3615 B3XF	**1256**	**2956**	44.8	5.1	1.13	30.6	80.5
AMX19A016B3XF	**1246**	**2999**	43.3	5.0	1.06	30.6	82.5
Armor 9831 B3XF	**1244**	**2783**	46.8	5.1	1.05	31.0	79.9
ST 5471GLTP	**1152**	**2696**	45.0	4.7	1.07	31.4	82.6
DG 3799 B3XF	**1141**	**2630**	46.1	4.1	1.07	33.2	80.3
BX 2194B3XF	**1122**	**2845**	41.2	4.4	1.03	29.8	80.7
BX 2151GLTP	**1120**	**2692**	43.9	4.9	1.08	32.8	84.6
PHY 443 W3FE	**1119**	**2653**	44.5	4.6	1.12	33.3	83.9
NG5711B3XF	**1106**	**2676**	43.3	4.6	1.08	28.6	81.3
DP 2038 B3XF	**1105**	**2548**	45.6	4.8	1.09	31.2	82.5
NG3729B2XF	**1102**	**2560**	45.6	5.0	1.07	31.3	81.3
ST 5091B3XF	**1097**	**2614**	43.9	4.3	1.15	30.2	81.0
DP 1840 B3XF	**1062**	**2605**	42.7	4.7	1.08	32.4	81.9
PHY 580 W3FE	**1061**	2430	46.5	5.1	1.06	28.7	80.5
NG 5150 B3XF	**1058**	2459	45.6	5.3	1.04	30.2	81.1
PX5E28W3FE	**1049**	2418	46.1	5.0	1.10	29.8	79.3
BX 2192B3XF	**1049**	2463	44.9	4.7	1.10	31.7	81.9
DG 3605 B2XF	**1047**	2396	46.5	5.2	1.11	30.5	81.4
PHY 480 W3FE	**1043**	2394	46.0	4.7	1.07	31.7	81.9
ST 4550GLTP	**1042**	2453	45.0	4.9	1.07	31.9	82.1
NG5007B2XF	**1038**	**2519**	43.4	4.8	1.13	28.6	81.2
PHY 500 W3FE	1007	2282	46.8	5.3	1.04	30.9	80.7
NG3522B2XF	998	2381	44.3	5.1	1.17	32.3	81.3
NG4936B3XF	987	2322	45.4	4.9	1.13	31.4	83.3
PX4B08W3FE	985	2367	43.9	5.1	1.08	32.8	84.0
PHY 400 W3FE	978	2265	45.9	5.0	1.05	30.6	80.1
NG4098B3XF	968	2288	44.9	4.7	1.05	33.4	82.3
PHY 332 W3FE	963	2292	44.3	4.9	1.02	31.0	82.9
DP 2055 B3XF	961	2229	45.7	5.2	1.11	31.7	81.1
AMX19A014B3XF	956	2251	45.4	5.2	1.09	33.0	82.2
AMX19A015B3XF	946	2413	41.3	4.7	1.09	29.2	78.5
19R132B3XF	937	2295	43.6	4.8	1.20	32.2	82.0
DP 1851 B3XF	910	2258	43.1	4.9	1.17	31.5	81.7

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4990B3XF	899	2130	45.1	4.8	1.13	30.3	82.8
PHY 545 W3FE	897	2174	43.7	4.5	1.05	30.8	80.3
ST 5610B3XF	890	2069	46.1	5.3	1.02	29.2	81.4
ST 5600B2XF	843	1999	45.2	5.3	1.09	31.3	81.6
DP 2141NR B3XF	839	1983	45.4	5.2	1.10	30.2	79.4
PHY 390 W3FE	826	2044	43.0	4.7	1.09	30.7	80.2
DP 1646 B2XF	815	1865	47.3	4.9	1.09	30.0	80.3
AMX19A018B3XF	808	1913	45.1	5.0	1.18	29.3	79.9
PX5E34W3FE	720	1875	40.8	4.4	1.11	33.0	82.6
NG3930B3XF	694	1774	41.5	4.8	1.11	28.5	80.4
Average	1013	2399	44.7	4.9	1.09	30.9	81.3
LSD @ 10% Level	228	510	N.S.	N.S.	N.S.	N.S.	N.S.
CV	23	22	4	8	6	6	2

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.

Table of Contents

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

TABLE 18 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
AMX19A016B3XF	**1121**	**2709**	42.3	4.3	1.10	29.3	84.2
PX4B08W3FE	**1120**	**2547**	45.3	4.9	1.07	29.5	83.4
ST 5471GLTP	**1097**	**2664**	42.7	4.0	1.16	29.8	82.7
Armor 9371 B3XF	**1078**	**2514**	44.9	4.2	1.14	27.9	82.6
NG 3195 B3XF	**1048**	**2467**	44.2	4.6	1.13	30.0	84.5
ST 4550GLTP	**1044**	**2401**	45.5	4.4	1.13	29.5	83.8
AMX19A014B3XF	**1039**	**2524**	42.5	3.9	1.19	29.1	84.0
AMX19A015B3XF	**1028**	**2584**	40.4	4.1	1.18	27.4	82.6
DG 3520 B3XF	**1017**	**2474**	42.2	4.1	1.18	29.1	84.4
PHY 350 W3FE	**986**	**2441**	42.1	4.2	1.15	30.2	83.5
DP 2020 B3XF	**981**	2318	43.4	4.3	1.09	27.7	81.8
PHY 443 W3FE	965	2293	43.9	4.1	1.11	28.6	84.9
NG4098B3XF	960	**2446**	41.3	4.0	1.24	33.3	84.8
DP 2115 B3XF	942	2157	45.3	4.6	1.14	31.7	85.7
DP 2012 B3XF	935	2249	43.4	4.5	1.20	29.8	83.4
19R125B3XF	909	2081	45.0	4.3	1.16	27.7	84.1
DG 3317 B3XF	901	2138	43.7	3.8	1.25	31.1	85.6
PHY 360 W3FE	900	2127	44.0	4.5	1.15	29.6	85.2
NG4936B3XF	893	2177	43.1	4.4	1.19	28.9	85.1
Armor 9210 B3XF	890	2018	45.4	4.3	1.12	27.5	83.6
ST 4990B3XF	887	2136	42.7	4.3	1.16	28.9	83.7
Armor 9608 B3XF	881	1959	46.7	4.5	1.11	28.3	84.5
NG3930B3XF	851	2076	41.6	4.4	1.17	29.2	84.1
DG 3535 B3XF	847	2058	42.7	4.0	1.21	28.4	82.3
NG3522B2XF	823	1951	43.8	4.1	1.09	27.1	82.7
DP 1725 B2XF	821	1822	45.8	4.3	1.18	30.5	84.4
DP 2038 B3XF	817	1799	46.6	4.6	1.14	27.7	84.6
NG3729B2XF	806	2032	40.5	4.5	1.18	29.2	85.9
PHY 400 W3FE	806	1916	44.3	4.0	1.15	31.6	83.8
NG5007B2XF	797	1882	43.1	4.1	1.14	27.6	83.4
NG 5150 B3XF	771	1863	43.5	4.3	1.18	28.3	83.8
DP 1646 B2XF	756	1721	45.7	4.0	1.16	29.1	82.6
AMX19A018B3XF	683	1649	43.7	4.4	1.15	30.1	84.0
PHY 545 W3FE	673	1627	43.8	3.9	1.16	31.3	83.2
PHY 332 W3FE	663	1632	41.8	4.5	1.15	30.8	83.5

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG5711B3XF	659	1591	43.7	4.0	1.18	29.0	83.7
PHY 390 W3FE	640	1523	43.6	4.4	1.17	30.0	84.1
PHY 340 W3FE	632	1525	43.3	4.2	1.18	30.0	83.6
Average	886	2108	43.6	4.2	1.15	29.3	83.9
LSD @ 10% Level	153	365	1.8	0.4	0.03	1.4	1.3
CV	21	21	4	7	4	5	1

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.

Table of Contents

NON-IRRIGATED SHORT SEASON

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

TABLE 19 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 5471GLTP	**1162**	**2768**	43.7	4.2	1.18	30.6	83.7
DP 2020 B3XF	**1155**	**2763**	43.5	4.8	1.15	31.0	83.6
PX4B08W3FE	**1098**	**2492**	46.3	4.6	1.13	31.0	85.0
NG4098B3XF	**1072**	**2712**	42.0	4.4	1.24	35.0	85.2
DP 2012 B3XF	**1065**	**2535**	43.9	3.9	1.17	29.9	83.8
19R125B3XF	**1028**	**2376**	45.6	4.5	1.16	29.7	83.3
Armor 9371 B3XF	**1019**	**2272**	46.6	3.9	1.25	31.7	85.4
ST 4550GLTP	**1000**	2251	47.2	4.6	1.14	31.5	84.5
PHY 360 W3FE	**985**	**2278**	44.8	4.1	1.18	32.5	85.1
NG4936B3XF	**980**	**2350**	43.7	4.1	1.22	30.1	84.4
NG 3195 B3XF	**963**	2232	45.6	4.1	1.16	28.9	84.9
DP 2115 B3XF	**944**	2109	47.2	4.8	1.16	32.3	85.5
AMX19A014B3XF	**940**	**2296**	43.6	4.2	1.21	30.1	84.8
DG 3520 B3XF	928	**2297**	43.1	4.2	1.19	30.4	83.7
PHY 390 W3FE	922	2231	43.0	4.5	1.15	30.8	83.0
DP 2038 B3XF	893	1994	48.2	4.1	1.21	28.8	82.7
Armor 9210 B3XF	886	2037	45.3	4.1	1.13	28.1	84.1
Armor 9608 B3XF	876	1938	47.1	3.9	1.19	31.8	84.4
ST 4990B3XF	863	2065	43.4	4.1	1.20	30.8	84.2
DG 3535 B3XF	857	1941	46.0	4.3	1.20	31.6	84.8
AMX19A018B3XF	856	2032	44.2	4.6	1.17	32.8	85.3
PHY 350 W3FE	851	2080	43.2	4.1	1.14	31.9	84.9
AMX19A015B3XF	846	2222	39.6	4.2	1.16	29.0	83.2
NG3522B2XF	834	2063	42.8	3.8	1.12	27.5	83.0
DP 1646 B2XF	824	1896	46.3	4.4	1.21	32.4	85.5
NG3930B3XF	823	2085	42.1	4.2	1.19	29.2	84.1
AMX19A016B3XF	808	2013	42.6	4.4	1.12	29.8	83.0
PHY 340 W3FE	801	1922	44.5	4.4	1.20	33.2	83.7
NG3729B2XF	779	1964	41.9	4.6	1.21	29.2	85.4
NG5711B3XF	778	1856	45.1	4.1	1.21	30.3	84.0
PHY 443 W3FE	777	1913	43.0	3.5	1.13	33.2	84.4
PHY 332 W3FE	766	1949	42.0	3.5	1.19	32.0	84.6
PHY 400 W3FE	752	1789	43.8	3.8	1.18	33.1	85.1
NG5007B2XF	716	1709	43.9	4.0	1.15	29.4	83.2
DP 1725 B2XF	709	1625	47.1	4.4	1.11	29.1	83.3

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 545 W3FE	703	1645	46.6	4.7	1.09	30.3	83.8
DG 3317 B3XF	658	1584	43.8	3.9	1.23	28.8	83.3
NG 5150 B3XF	656	1597	43.5	4.1	1.14	29.8	81.7
Average	884	2102	44.4	4.2	1.17	30.7	84.1
LSD @ 10% Level	226	515	1.5	N.S.	0.03	1.8	1.4
CV	25	24	4	10	4	6	1

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.

Table of Contents

IRRIGATED FULL SEASON

YIELD/QUALITY

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 20 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2038 B3XF	**1862**	**3792**	50.0	4.8	1.11	28.7	81.7
Armor 9831 B3XF	**1783**	**4117**	44.2	5.1	1.15	31.4	83.5
ST 4993B3XF	**1725**	**3952**	44.4	4.7	1.19	33.6	86.3
PHY 580 W3FE	**1685**	**3925**	43.7	4.6	1.16	31.3	84.0
PHY 443 W3FE	1668	**3878**	43.9	4.7	1.13	32.4	84.3
DG 3615 B3XF	1666	**3874**	43.9	4.8	1.16	31.4	83.3
DP 1646 B2XF	1656	**3801**	44.5	4.6	1.27	30.7	84.8
ST 4550GLTP	1652	**3719**	45.3	4.4	1.15	32.4	84.4
DP 1840 B3XF	1596	**3885**	41.9	4.4	1.22	31.2	84.3
PHY 480 W3FE	1589	**3726**	43.4	4.4	1.16	30.5	84.8
ST 5600B2XF	1582	3649	44.3	5.5	1.16	30.8	84.4
NG4098B3XF	1561	**3953**	40.5	4.4	1.28	34.5	84.1
NG 3195 B3XF	1558	**3731**	42.6	4.5	1.16	30.9	83.5
PHY 390 W3FE	1536	3626	43.4	4.3	1.17	30.6	83.5
BX 2194B3XF	1534	**3900**	40.2	3.5	1.23	30.9	83.1
DP 2141NR B3XF	1524	3571	43.5	4.9	1.20	34.4	84.0
PHY 545 W3FE	1514	3406	45.6	4.8	1.14	31.4	84.2
DG 3799 B3XF	1510	3593	43.0	4.7	1.18	31.7	82.7
ST 5610B3XF	1508	3402	45.4	4.5	1.16	32.2	83.3
NG 5150 B3XF	1499	3558	43.0	4.8	1.19	29.5	83.8
PHY 500 W3FE	1489	3406	44.8	4.9	1.17	32.7	84.9
NG5711B3XF	1469	3509	42.7	4.6	1.21	30.3	83.1
ST 5471GLTP	1466	**3728**	40.2	4.6	1.12	30.6	81.4
DG 3605 B2XF	1462	3525	42.3	4.4	1.23	29.7	84.3
PHY 400 W3FE	1457	3415	43.6	4.4	1.22	33.8	84.3
19R132B3XF	1453	3386	43.8	4.7	1.20	34.0	85.3
PHY 332 W3FE	1452	3480	42.6	4.6	1.21	32.5	83.8
DP 1851 B3XF	1436	3374	43.7	4.6	1.19	33.4	85.1
BX 2192B3XF	1435	3526	41.7	4.7	1.29	31.1	84.4
DP 2055 B3XF	1432	3341	43.8	4.9	1.22	30.7	82.6
PX5E34W3FE	1432	3654	39.9	4.2	1.20	31.6	84.1

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PX4B08W3FE	1420	3116	46.5	5.3	1.07	29.1	82.2
BX 2151GLTP	1402	3136	45.8	4.5	1.22	32.0	85.0
ST 5091B3XF	1368	3198	43.9	4.4	1.19	29.3	83.5
NG3729B2XF	1360	3246	42.7	4.7	1.16	30.1	84.2
ST 4990B3XF	1355	3409	40.7	4.5	1.20	31.3	85.8
PX5E28W3FE	1353	3509	39.6	4.0	1.18	32.6	83.7
AMX19A018B3XF	1332	3315	41.0	4.7	1.13	32.1	83.9
NG4936B3XF	1296	3338	39.7	4.3	1.20	30.2	84.5
NG3522B2XF	1296	3215	41.2	4.4	1.10	28.1	81.6
NG5007B2XF	1289	3101	42.8	4.4	1.14	28.6	82.1
NG3930B3XF	1247	3119	40.6	4.5	1.20	30.5	85.1
AMX19A014B3XF	1232	3104	40.7	4.7	1.15	29.0	81.8
AMX19A016B3XF	1230	3094	41.3	4.8	1.15	29.2	83.2
AMX19A015B3XF	1200	3348	36.7	3.9	1.18	30.5	82.0
Average	1479	3525	42.9	4.6	1.18	31.2	83.8
LSD @ 10% Level	189	422	2.0	0.5	0.04	2	1
CV	14	12	6	9	4	7	1

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.

Table of Contents

IRRIGATED FULL SEASON

DISEASE

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

Disease ratings provided by:
Kathy Burch, Research Assistant IV
Entomology and Plant Pathology, Auburn University

TABLE 21 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Target Spot July 31 1-9	Target Spot August 13 1-9
DP 2038 B3XF	**1862**	**1.17**	1.75
Armor 9831 B3XF	**1783**	**1.33**	**1.42**
ST 4993B3XF	**1725**	1.67	1.75
PHY 580 W3FE	**1685**	2.25	2.75
PHY 443 W3FE	1668	1.75	2.08
DG 3615 B3XF	1666	**1.17**	**1.33**
DP 1646 B2XF	1656	**1.17**	**1.33**
ST 4550GLTP	1652	**1.17**	2.33
DP 1840 B3XF	1596	1.67	**1.25**
PHY 480 W3FE	1589	1.58	2.08
ST 5600B2XF	1582	**1.00**	**1.42**
NG4098B3XF	1561	**1.50**	2.42
NG 3195 B3XF	1558	1.83	**1.08**
PHY 390 W3FE	1536	**1.42**	2.17
BX 2194B3XF	1534	**1.17**	2.00
DP 2141NR B3XF	1524	1.83	2.25
PHY 545 W3FE	1514	1.58	2.00
DG 3799 B3XF	1510	**1.33**	**1.25**
ST 5610B3XF	1508	**1.00**	1.58
NG 5150 B3XF	1499	**1.25**	1.75
PHY 500 W3FE	1489	2.08	1.67
NG5711B3XF	1469	**1.42**	**1.25**
ST 5471GLTP	1466	**1.25**	**1.00**
DG 3605 B2XF	1462	**1.25**	**1.25**
PHY 400 W3FE	1457	1.67	**1.42**
19R132B3XF	1453	**1.42**	**1.50**
PHY 332 W3FE	1452	1.58	2.17
DP 1851 B3XF	1436	**1.42**	1.58

Variety	Lint Yield pounds per acre	Target Spot July 31 1-9	Target Spot August 13 1-9
BX 2192B3XF	1435	**1.17**	1.50
DP 2055 B3XF	1432	**1.42**	**1.25**
PX5E34W3FE	1432	2.08	2.08
PX4B08W3FE	1420	1.58	1.75
BX 2151GLTP	1402	**1.25**	**1.50**
ST 5091B3XF	1368	**1.08**	**1.42**
NG3729B2XF	1360	**1.33**	2.25
ST 4990B3XF	1355	**1.17**	**1.25**
PX5E28W3FE	1353	2.08	1.83
AMX19A018B3XF	1332	**1.17**	1.83
NG4936B3XF	1296	**1.08**	1.67
NG3522B2XF	1296	1.92	1.75
NG5007B2XF	1289	**1.17**	**1.42**
NG3930B3XF	1247	2.33	1.75
AMX19A014B3XF	1232	**1.08**	**1.08**
AMX19A016B3XF	1230	**1.25**	**1.50**
AMX19A015B3XF	1200	**1.17**	**1.17**
Average	1479	1.45	1.66
LSD @ 10% Level	189	0.51	0.57
CV	14	36	37

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.

Table of Contents

NON-IRRIGATED FULL SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 22 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2055 B3XF	**1601**	3462	47.3	5.1	1.20	30.1	84.1
PHY 480 W3FE	**1595**	**3777**	43.0	4.4	1.14	30.1	84.2
PHY 443 W3FE	**1576**	**3501**	46.1	4.9	1.11	31.7	83.3
PHY 500 W3FE	**1553**	3353	47.4	4.6	1.12	33.4	83.6
PHY 400 W3FE	**1534**	3436	45.8	4.7	1.18	32.0	83.8
ST 5600B2XF	**1519**	3482	44.6	4.9	1.16	32.6	84.4
DP 2141NR B3XF	**1518**	3488	44.7	5.3	1.18	33.0	84.4
DG 3615 B3XF	**1489**	3063	49.5	4.4	1.14	31.4	83.1
BX 2151GLTP	**1480**	3260	46.5	4.7	1.22	32.0	84.6
DP 2038 B3XF	**1477**	3072	49.6	4.6	1.09	30.1	80.8
PHY 332 W3FE	**1476**	3313	45.5	4.7	1.19	32.1	83.8
PHY 580 W3FE	1464	3284	45.5	4.5	1.13	30.8	83.4
PHY 545 W3FE	1459	3072	48.6	4.7	1.08	31.3	81.9
PX4B08W3FE	1458	3102	48.4	5.1	1.10	30.8	83.6
NG3522B2XF	1455	2840	52.6	4.6	1.08	27.9	82.5
DP 1840 B3XF	1434	3353	44.0	4.7	1.19	31.0	84.9
DP 1851 B3XF	1422	3194	45.5	4.6	1.16	34.0	84.4
ST 4993B3XF	1417	3143	46.2	5.0	1.12	33.5	85.0
DG 3799 B3XF	1409	3250	44.4	4.8	1.14	31.4	83.2
BX 2194B3XF	1391	3342	42.6	3.8	1.17	30.0	83.3
NG 5150 B3XF	1384	3318	42.6	4.5	1.19	29.9	84.8
PX5E28W3FE	1365	3329	42.0	4.3	1.16	31.6	83.9
NG4098B3XF	1365	**3497**	40.0	4.4	1.23	34.6	84.4
ST 5471GLTP	1362	3306	42.6	4.4	1.13	32.6	82.2
ST 5610B3XF	1353	2954	46.9	5.0	1.14	30.2	84.3
NG 3195 B3XF	1352	3100	44.9	4.6	1.13	30.0	83.9
PHY 390 W3FE	1340	3107	44.1	4.4	1.18	30.8	83.6
AMX19A016B3XF	1323	3335	40.6	4.3	1.13	29.3	83.1
ST 4990B3XF	1313	3134	42.8	4.5	1.18	31.6	84.9
NG5007B2XF	1306	2987	45.0	4.6	1.15	28.8	83.5
Armor 9831 B3XF	1297	2897	46.0	5.1	1.13	32.8	82.7
DP 1646 B2XF	1293	3017	43.8	4.8	1.21	29.8	84.1
19R132B3XF	1290	2883	46.0	5.1	1.13	32.7	84.5
ST 5091B3XF	1283	3039	43.4	3.9	1.17	30.0	82.9
BX 2192B3XF	1262	3047	42.5	4.6	1.29	32.7	85.8

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
ST 4550GLTP	1256	2795	46.5	4.6	1.15	32.9	83.5
NG4936B3XF	1240	3140	40.5	4.6	1.20	30.9	85.0
PX5E34W3FE	1213	3066	40.4	3.8	1.16	32.3	83.9
NG3930B3XF	1211	2861	43.6	4.8	1.14	29.2	83.6
NG5711B3XF	1211	2813	44.4	4.5	1.18	31.2	84.2
AMX19A014B3XF	1203	2962	41.8	4.7	1.15	29.5	82.7
DG 3605 B2XF	1189	2745	44.9	4.8	1.20	30.4	83.3
AMX19A015B3XF	1145	3002	39.0	3.9	1.21	29.7	83.4
NG3729B2XF	1104	2769	41.1	4.6	1.15	30.6	84.0
AMX19A018B3XF	1020	2417	43.7	4.8	1.11	30.9	83.8
Average	1365	3140	44.6	4.6	1.16	31.2	83.7
LSD @ 10% Level	137	285	4.0	0.4	1.20	1.6	1.6
CV	12	11	7	8	4	5	1

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.

Table of Contents

IRRIGATED SHORT SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 23 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
19R125B3XF	**1509**	**3202**	47.2	4.7	1.19	33.6	85.4
DG 3535 B3XF	**1474**	**3267**	45.0	4.2	1.17	29.6	83.3
NG4098B3XF	**1414**	**3390**	41.7	4.2	1.25	35.0	82.9
DP 2038 B3XF	**1388**	2956	46.9	4.9	1.14	30.8	82.1
DP 2020 B3XF	**1386**	**3196**	43.5	4.5	1.24	30.9	84.0
PHY 443 W3FE	**1381**	3040	45.4	4.3	1.12	34.1	83.2
DP 2115 B3XF	**1374**	3001	45.6	4.5	1.16	30.2	83.9
AMX19A016B3XF	**1370**	**3358**	40.8	4.4	1.20	30.6	84.5
Armor 9371 B3XF	1352	3001	45.0	4.2	1.16	30.8	83.5
NG5007B2XF	1342	**3105**	43.2	4.2	1.18	29.8	83.5
PHY 390 W3FE	1331	**3092**	43.0	4.0	1.16	32.5	82.1
NG4936B3XF	1326	**3131**	42.3	4.3	1.23	31.8	84.8
PHY 400 W3FE	1324	2975	44.4	5.1	1.17	31.0	83.3
NG 3195 B3XF	1322	3008	44.0	4.4	1.18	31.8	84.5
AMX19A014B3XF	1318	**3235**	40.7	4.5	1.15	28.8	82.9
DP 1646 B2XF	1310	3053	42.9	4.2	1.26	30.1	84.0
NG3522B2XF	1302	3073	42.4	4.3	1.11	28.2	81.5
ST 5471GLTP	1289	3053	42.2	4.3	1.15	31.4	83.3
AMX19A015B3XF	1288	**3286**	39.2	3.9	1.18	30.8	83.0
DP 1725 B2XF	1287	2852	45.1	4.3	1.18	32.1	83.3
DP 2012 B3XF	1273	3008	42.3	4.3	1.21	32.6	84.5
NG 5150 B3XF	1270	2988	42.3	4.5	1.20	31.1	83.3
DG 3520 B3XF	1258	3021	41.6	3.9	1.26	31.8	85.6
NG5711B3XF	1233	2755	44.8	4.3	1.21	31.5	84.5
PHY 360 W3FE	1222	2878	42.4	4.7	1.16	31.1	82.9
ST 4990B3XF	1219	2904	41.9	4.5	1.22	31.0	85.4
PHY 350 W3FE	1211	2872	42.2	4.2	1.14	32.0	84.6
PX4B08W3FE	1197	2658	45.0	4.8	1.10	32.2	82.6
NG3930B3XF	1195	2898	41.2	4.1	1.17	30.5	82.1
Armor 9210 B3XF	1184	2690	44.0	4.4	1.20	32.0	83.0
Armor 9608 B3XF	1165	2606	44.8	4.5	1.18	30.9	83.3
PHY 332 W3FE	1164	2697	43.1	4.6	1.22	32.4	83.7
ST 4550GLTP	1146	2541	45.2	4.8	1.13	30.7	84.3
NG3729B2XF	1132	2606	43.4	4.2	1.18	31.6	83.8
PHY 340 W3FE	1118	2509	44.5	4.4	1.15	31.7	83.2

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 545 W3FE	1097	2411	45.4	4.3	1.14	31.3	83.8
DG 3317 B3XF	1044	2437	42.9	4.7	1.11	30.6	83.2
AMX19A018B3XF	861	2068	41.6	4.6	1.14	32.4	83.0
Average	1265	2916	43.4	4.4	1.17	31.3	83.5
LSD @ 10% Level	142	311	2.1	0.4	0.03	1.90	1.5
CV	14	13	5	7.0	4	5	1

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.

Table of Contents

NON-IRRIGATED SHORT SEASON

PRATTVILLE AGRICULTURAL RESEARCH UNIT
PRATTVILLE, AL

TABLE 24 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2115 B3XF	**1427**	**3189**	44.8	4.7	1.17	29.7	85.1
NG5711B3XF	**1394**	**3086**	45.2	5.0	1.17	31.0	82.6
NG 5150 B3XF	**1376**	**3189**	43.2	4.4	1.19	31.4	83.4
PHY 390 W3FE	**1365**	**3124**	43.7	4.8	1.19	31.3	84.2
DG 3520 B3XF	**1353**	**3176**	42.6	3.8	1.26	33.3	85.6
AMX19A016B3XF	**1347**	**3176**	42.4	4.4	1.16	27.7	83.7
19R125B3XF	**1345**	**2904**	46.3	4.2	1.21	34.2	85.4
NG4098B3XF	**1338**	**3111**	43.0	4.1	1.23	34.5	83.7
DP 2012 B3XF	**1330**	**3092**	43.1	4.4	1.17	32.2	83.7
ST 4550GLTP	**1323**	**2820**	46.9	4.3	1.18	31.4	84.9
PHY 400 W3FE	**1323**	**3111**	42.7	3.9	1.18	33.1	83.6
PHY 443 W3FE	**1306**	**2859**	45.7	4.4	1.16	32.5	83.8
DP 2038 B3XF	**1299**	2677	48.5	4.6	1.10	31.0	82.7
Armor 9608 B3XF	**1288**	2677	48.1	4.3	1.15	29.2	82.2
NG3930B3XF	**1281**	3014	42.5	4.3	1.21	30.0	84.3
DP 1646 B2XF	1265	2904	43.6	4.4	1.23	30.9	83.3
AMX19A014B3XF	1250	2988	41.8	4.2	1.16	28.6	82.0
NG5007B2XF	1240	2826	43.9	4.3	1.16	29.7	83.3
DG 3535 B3XF	1239	2723	45.5	4.4	1.18	30.2	83.0
DP 2020 B3XF	1239	2975	41.6	4.2	1.23	32.2	84.4
NG4936B3XF	1220	2820	43.3	4.5	1.19	30.8	84.9
DP 1725 B2XF	1199	2541	47.2	4.6	1.14	29.2	82.8
PHY 332 W3FE	1192	2768	43.1	4.4	1.20	32.1	82.8
PX4B08W3FE	1192	2671	44.6	4.4	1.07	29.2	82.8
AMX19A015B3XF	1191	3060	38.9	3.7	1.20	31.5	82.9
NG3522B2XF	1186	2781	42.7	4.3	1.12	28.8	82.1
Armor 9371 B3XF	1177	2599	45.2	4.3	1.18	29.7	84.4
ST 4990B3XF	1160	2697	43.0	3.6	1.20	30.7	84.3
ST 5471GLTP	1158	2729	42.4	4.1	1.15	30.0	82.7
PHY 350 W3FE	1145	2684	42.7	4.0	1.12	31.5	83.0
NG 3195 B3XF	1141	2522	45.2	4.2	1.16	30.7	83.0
PHY 340 W3FE	1137	2580	44.1	4.5	1.16	30.7	84.1
Armor 9210 B3XF	1113	2444	45.6	4.4	1.19	31.0	84.0
PHY 545 W3FE	1104	2489	44.3	4.2	1.11	29.6	82.4
NG3729B2XF	1040	2411	43.1	4.5	1.16	30.2	83.7

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 360 W3FE	998	2243	44.5	4.5	1.14	28.4	81.9
AMX19A018B3XF	937	2120	44.2	4.2	1.12	31.6	83.7
DG 3317 B3XF	898	2081	43.1	4.8	1.10	28.0	83.5
Average	1224	2786	44.0	4.3	1.17	30.7	83.5
LSD @ 10% Level	147	337	1.8	N.S.	0.04	2.2	1.5
CV	24	18	5	9	4	6	1

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.

Table of Contents

IRRIGATED FULL SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 25 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2038 B3XF	**2167**	4349	50.6	5.1	1.11	31.4	82.0
PHY 545 W3FE	**2150**	**4673**	46.7	5.0	1.13	32.5	83.4
ST 5471GLTP	**2075**	**4836**	43.7	5.1	1.11	30.8	82.3
ST 4550GLTP	**2063**	**4503**	46.7	5.0	1.17	30.8	84.2
DP 1840 B3XF	**2027**	**4566**	45.1	5.3	1.20	30.5	84.4
PHY 400 W3FE	**2007**	**4397**	46.5	4.8	1.18	32.3	84.3
PHY 480 W3FE	**1994**	**4460**	45.4	5.0	1.14	30.2	84.8
Armor 9831 B3XF	**1966**	**4378**	45.7	5.2	1.15	30.1	81.7
PHY 390 W3FE	**1957**	**4424**	45.0	4.7	1.19	32.6	83.6
DG 3799 B3XF	1943	**4505**	44.0	5.3	1.16	32.4	81.8
BX 2192B3XF	1936	**4464**	44.2	4.7	1.27	32.6	83.9
BX 2194B3XF	1932	**4634**	42.4	4.0	1.23	30.9	83.6
NG 5150 B3XF	1918	4263	45.7	5.3	1.16	29.3	82.5
PX5E28W3FE	1917	**4487**	43.4	4.9	1.17	31.8	84.3
ST 5091B3XF	1905	4116	47.2	5.0	1.14	29.3	82.3
DG 3615 B3XF	1884	4198	45.8	4.9	1.17	31.9	83.5
AMX19A018B3XF	1867	**4368**	43.4	5.2	1.15	31.9	84.4
PHY 500 W3FE	1864	4104	46.1	4.3	1.13	33.9	84.1
ST 4993B3XF	1862	4115	46.0	5.2	1.18	32.6	84.5
PHY 580 W3FE	1861	4172	45.3	4.8	1.18	32.8	85.4
NG3930B3XF	1857	4351	43.4	5.2	1.19	30.2	84.0
DP 1646 B2XF	1852	4066	46.3	5.3	1.25	28.9	84.3
PHY 443 W3FE	1848	4265	44.1	5.4	1.14	33.5	84.7
19R132B3XF	1843	4186	44.9	5.3	1.21	33.3	85.1
DG 3605 B2XF	1841	4193	44.7	5.2	1.17	29.9	84.0
NG5711B3XF	1837	4302	43.5	5.2	1.20	30.4	84.7
NG4936B3XF	1823	**4389**	43.1	5.2	1.19	29.7	85.1
ST 5610B3XF	1817	3818	47.9	5.6	1.18	31.8	84.6
DP 1851 B3XF	1809	4040	45.6	5.0	1.19	33.3	85.4
PX4B08W3FE	1805	3911	46.9	5.0	1.11	33.6	83.6
PX5E34W3FE	1793	**4470**	40.7	4.1	1.20	33.8	84.6
ST 5600B2XF	1791	4042	45.2	5.7	1.14	31.7	84.4
ST 4990B3XF	1767	**4386**	41.1	4.8	1.22	30.4	85.6
PHY 332 W3FE	1755	4105	43.6	5.1	1.18	31.9	84.1
DP 2055 B3XF	1750	3970	44.7	4.8	1.24	30.6	84.0

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2141NR B3XF	1727	3898	45.2	5.8	1.17	33.0	83.3
NG4098B3XF	1691	4121	41.8	4.4	1.25	35.8	84.5
AMX19A016B3XF	1682	4005	42.9	5.2	1.11	27.6	82.9
NG3729B2XF	1673	3869	44.0	5.1	1.18	30.8	84.2
NG3522B2XF	1638	3712	45.1	5.2	1.07	27.9	81.8
AMX19A014B3XF	1627	3986	41.7	4.7	1.18	29.8	82.7
NG5007B2XF	1615	3739	43.9	5.0	1.14	27.6	82.4
BX 2151GLTP	1606	3396	48.2	5.2	1.22	31.5	85.2
AMX19A015B3XF	1579	3973	40.6	4.8	1.19	31.5	83.2
NG 3195 B3XF	1554	3544	44.8	5.0	1.18	31.5	84.0
Average	1842	4194	44.7	5.0	1.17	31.3	83.8
LSD @ 10% level	217	480	1.8	0.6	0.05	1.5	1.6
CV	12	11	5	9	4	6	1

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.

Table of Contents

NON-IRRIGATED FULL SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 26 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
PHY 332 W3FE	**910**	2100	44.6	4.8	1.08	32.4	81.6
Armor 9831 B3XF	**908**	2002	46.8	5.8	1.04	29.6	81.4
PHY 545 W3FE	**879**	1906	47.9	4.9	1.02	31.6	82.3
DP 1851 B3XF	**878**	1919	47.2	5.3	1.05	31.4	83.5
AMX19A018B3XF	**873**	2067	43.5	4.9	1.00	30.6	81.3
DP 2038 B3XF	**855**	1801	49.2	5.2	0.98	28.0	80.2
PHY 443 W3FE	**854**	1957	45.2	5.2	1.04	31.7	82.0
PX4B08W3FE	**840**	1899	45.7	5.1	1.03	31.7	82.1
ST 4993B3XF	**839**	1919	45.4	5.3	1.07	31.6	83.3
NG4098B3XF	**833**	2127	40.5	4.7	1.14	35.1	83.0
ST 5091B3XF	**831**	1902	45.4	4.6	1.05	28.0	81.4
PHY 580 W3FE	**827**	1831	46.8	5.1	1.03	31.3	81.8
ST 5600B2XF	**818**	1895	45.0	5.6	1.05	32.3	82.8
ST 5471GLTP	**810**	1963	42.8	4.7	1.03	29.4	80.4
DG 3799 B3XF	**800**	1861	44.7	5.2	1.08	31.3	82.5
NG3930B3XF	**799**	1918	42.8	4.6	1.08	27.8	82.4
PHY 500 W3FE	**789**	1700	48.2	4.5	1.01	31.5	80.8
DG 3605 B2XF	771	1753	45.4	4.7	1.12	30.0	82.2
DP 2141NR B3XF	771	1820	43.9	5.3	1.07	32.4	82.1
NG4936B3XF	769	1848	43.0	4.4	1.10	28.8	83.0
DG 3615 B3XF	766	1794	44.7	5.5	1.06	30.4	81.4
AMX19A016B3XF	765	1911	41.5	4.6	1.01	27.6	80.4
BX 2151GLTP	765	1577	50.7	5.3	1.13	29.9	82.7
DP 2055 B3XF	763	1684	46.8	5.2	1.10	29.3	82.0
BX 2192B3XF	758	1813	43.3	4.7	1.12	31.0	81.4
19R132B3XF	757	1738	45.2	5.2	1.10	31.8	84.7
NG3522B2XF	755	1728	45.3	4.9	0.98	23.9	79.8
NG5007B2XF	752	1727	45.2	5.0	1.03	26.7	80.6
PX5E34W3FE	748	1867	41.3	4.5	1.07	31.6	83.4
PHY 390 W3FE	745	1687	45.9	4.6	1.07	29.6	81.4
PHY 400 W3FE	739	1674	45.7	4.0	1.07	32.0	81.6
PHY 480 W3FE	739	1679	45.6	4.6	1.03	30.5	83.3
ST 4550GLTP	738	1655	46.5	5.0	1.06	30.1	83.3
NG 3195 B3XF	730	1665	45.7	4.9	1.08	30.6	83.4
NG3729B2XF	728	1788	42.3	5.5	1.08	27.9	83.8

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG 5150 B3XF	715	1666	44.7	5.1	1.04	28.0	81.6
PX5E28W3FE	710	1733	42.5	4.5	1.09	30.2	82.8
NG5711B3XF	703	1667	43.6	4.9	1.10	30.2	83.2
DP 1840 B3XF	699	1641	44.1	5.0	1.08	30.9	82.0
DP 1646 B2XF	675	1521	46.2	4.2	1.11	29.2	81.3
ST 5610B3XF	666	1504	46.5	4.8	1.07	31.2	82.4
AMX19A014B3XF	664	1683	41.1	4.4	1.05	27.1	81.2
AMX19A015B3XF	652	1738	39.0	3.9	1.10	29.2	81.9
ST 4990B3XF	648	1588	42.4	4.4	1.08	28.7	81.7
BX 2194B3XF	630	1521	43.5	4.4	1.10	30.4	81.9
Average	770	1788	44.7	44.7	44.73	44.7	44.7
LSD @ 10% Level	135	N.S.	1.5	0.5	0.04	1.9	1.6
CV	16	15	6	10	4	7	1

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.

Table of Contents

IRRIGATED SHORT SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

TABLE 27 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
Armor 9371 B3XF	**2376**	**4951**	48.6	4.7	1.19	29.8	85.8
ST 4550GLTP	**2303**	4584	51.0	5.1	1.14	33.5	84.7
DP 2038 B3XF	**2289**	4547	51.1	4.7	1.16	31.7	84.9
DP 2115 B3XF	**2287**	**4833**	48.0	5.0	1.18	31.2	84.4
ST 5471GLTP	**2244**	**5055**	45.1	5.1	1.16	31.4	83.0
19R125B3XF	**2230**	**4756**	47.6	5.2	1.19	33.7	85.8
DP 1646 B2XF	**2192**	**4838**	45.9	4.4	1.31	29.7	86.0
DP 1725 B2XF	**2188**	4575	48.6	4.9	1.20	31.2	84.2
NG5711B3XF	**2178**	**4914**	44.9	4.5	1.26	31.2	86.1
DG 3317 B3XF	**2169**	**4931**	44.7	4.7	1.18	30.6	85.4
PX4B08W3FE	**2161**	**4652**	47.1	5.1	1.15	31.7	84.4
ST 4990B3XF	**2157**	**4989**	43.9	5.3	1.22	30.1	85.9
Armor 9608 B3XF	2153	4574	47.8	5.3	1.21	29.5	85.6
NG4098B3XF	2099	**4998**	42.7	4.1	1.32	34.1	85.4
DG 3535 B3XF	2068	4524	46.5	4.6	1.23	32.6	84.4
Armor 9210 B3XF	2066	4585	45.8	5.2	1.23	32.4	85.2
DG 3520 B3XF	2059	**4736**	44.2	4.1	1.30	34.5	85.8
PHY 400 W3FE	2056	4548	45.9	4.7	1.19	33.4	85.6
PHY 545 W3FE	2022	4299	47.8	4.8	1.16	32.4	85.0
PHY 443 W3FE	2005	4381	46.6	4.8	1.17	33.6	85.3
AMX19A018B3XF	2000	**4660**	43.6	4.9	1.19	31.5	85.3
PHY 350 W3FE	1998	**4608**	44.1	4.7	1.21	31.4	85.7
AMX19A015B3XF	1978	**4691**	42.8	4.4	1.20	31.3	84.7
PHY 390 W3FE	1976	4271	47.0	4.7	1.22	33.5	85.6
AMX19A014B3XF	1975	4573	44.0	4.0	1.19	30.6	83.6
NG 3195 B3XF	1970	4330	46.2	4.9	1.19	32.9	84.8
NG3930B3XF	1959	4582	43.4	4.6	1.22	30.2	85.3
AMX19A016B3XF	1958	4577	43.6	4.6	1.17	29.1	83.6
NG4936B3XF	1946	**4830**	40.8	5.0	1.25	31.1	86.1
NG 5150 B3XF	1944	4287	46.1	4.8	1.25	30.8	85.4
DP 2020 B3XF	1934	4556	43.1	4.3	1.24	32.5	85.7
PHY 340 W3FE	1922	4193	46.6	4.7	1.19	32.6	84.3
PHY 360 W3FE	1895	4119	46.8	4.6	1.20	31.2	84.4
PHY 332 W3FE	1883	4289	44.6	4.8	1.23	32.9	84.7
NG5007B2XF	1876	4319	44.2	4.6	1.19	29.3	84.2

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
NG3729B2XF	1861	4163	45.4	5.1	1.20	31.2	85.1
NG3522B2XF	1838	4222	44.2	4.6	1.16	28.1	84.8
DP 2012 B3XF	1824	4411	42.0	4.4	1.22	30.9	85.8
Average	2054	4578	45.6	4.7	1.20	31.5	85.0
LSD @ 10% Level	223	470	2.4	0.5	0.04	2.0	1.3
CV	11	9	5	8	4	5	1

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.

Table of Contents

NON-IRRIGATED SHORT SEASON

TENNESSEE VALLEY RESEARCH AND EXTENSION CENTER

BELLE MINA, AL

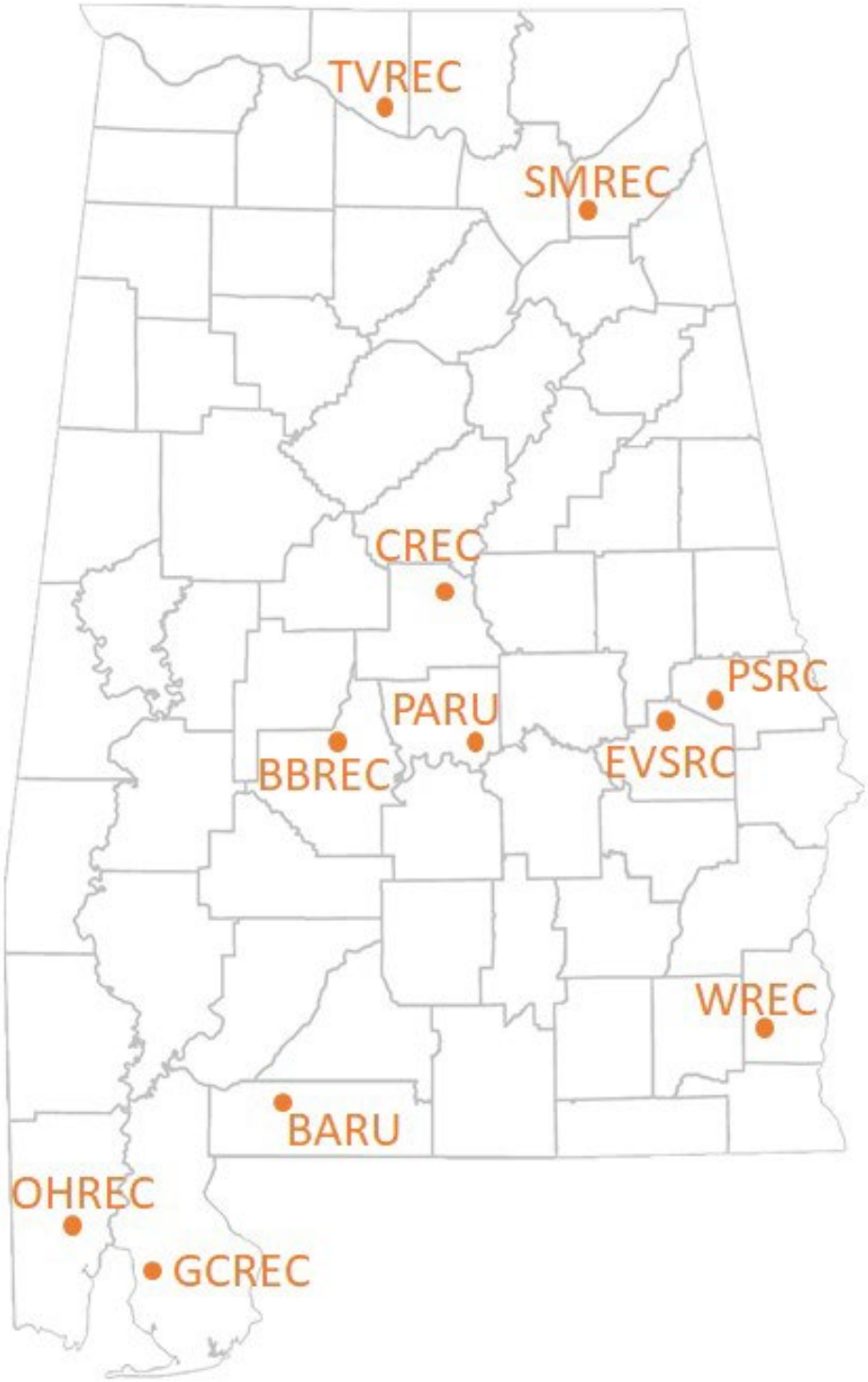
TABLE 28 – LOCATION SPECIFIC DATA

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
DP 2038 B3XF	959	2080	47.8	5.4	1.07	30.9	79.9
PHY 443 W3FE	903	2050	45.8	5.8	1.06	31.8	82.8
ST 4550GLTP	891	1966	47.1	5.7	1.12	31.2	83.1
NG 3195 B3XF	824	1851	46.2	5.3	1.08	30.4	82.4
ST 4990B3XF	814	1976	42.8	5.2	1.16	30.0	83.9
DG 3317 B3XF	811	1842	45.7	5.5	1.11	29.4	81.6
PHY 545 W3FE	805	1850	45.3	5.7	1.08	31.6	81.5
PHY 400 W3FE	805	1775	47.1	5.5	1.07	30.9	82.4
PHY 360 W3FE	801	1795	46.2	5.1	1.08	30.8	81.7
ST 5471GLTP	794	1866	44.5	5.5	1.07	29.2	81.7
Armor 9371 B3XF	779	1784	45.4	5.4	1.13	28.2	82.3
DP 1646 B2XF	779	1690	47.8	5.6	1.14	29.0	81.6
NG4936B3XF	768	1782	45.0	5.3	1.14	30.4	83.0
DG 3535 B3XF	757	1683	47.0	5.6	1.06	27.9	82.1
Armor 9608 B3XF	756	1669	47.1	5.4	1.14	28.8	81.1
DP 1725 B2XF	752	1652	47.4	5.5	1.06	28.9	81.7
NG3729B2XF	751	1811	43.0	5.5	1.10	28.1	83.1
PHY 390 W3FE	750	1725	45.2	5.3	1.09	31.2	82.2
PX4B08W3FE	747	1713	45.4	5.4	1.07	32.6	81.6
NG3930B3XF	733	1767	43.1	5.2	1.11	28.7	82.4
NG 5150 B3XF	729	1650	46.2	5.7	1.07	29.4	81.9
NG5711B3XF	723	1720	43.6	5.4	1.14	29.6	83.3
AMX19A016B3XF	718	1796	41.7	5.2	1.03	26.9	80.6
Armor 9210 B3XF	714	1713	43.4	6.0	1.18	31.0	83.1
AMX19A018B3XF	706	1588	46.1	5.2	1.03	30.0	81.6
NG3522B2XF	705	1642	45.0	5.7	1.05	27.0	82.0
PHY 350 W3FE	701	1666	43.8	5.5	1.09	29.9	83.5
DP 2020 B3XF	697	1615	45.1	5.2	1.11	28.4	83.7
NG4098B3XF	696	1697	42.9	5.1	1.14	32.8	81.1
PHY 332 W3FE	693	1583	46.0	5.4	1.09	30.1	82.7
DP 2012 B3XF	689	1577	45.4	5.3	1.11	29.2	83.1
DP 2115 B3XF	688	1559	46.2	5.6	1.10	31.3	82.2
AMX19A014B3XF	687	1700	42.3	5.3	1.08	28.2	80.9
AMX19A015B3XF	674	1769	39.8	5.0	1.13	29.7	83.2
PHY 340 W3FE	673	1540	45.8	5.3	1.08	32.3	83.5

Variety	Lint Yield pounds per acre	Seed + Lint Yield pounds per acre	Lint %	Micronaire units	Length inches	Strength g/tex	Uniformity %
19R125B3XF	673	1510	46.7	5.8	1.09	32.5	83.7
NG5007B2XF	669	1558	44.9	5.2	1.13	28.6	81.2
DG 3520 B3XF	630	1509	43.8	5.1	1.13	30.6	85.2
Average	749	1729	45.1	5.4	1.10	29.9	82.3
LSD @ 10% Level	N.S.	N.S.	2.5	0.3	0.06	1.9	1.3
CV	18	16	5	5	4	6	1

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.

Table of Contents



CONTACT

HENRY JORDAN, VARIETY TESTING MANAGER,
CROP, SOIL & ENVIRONMENTAL SCIENCES
275 FUNCHESS HALL, AUBURN UNIVERSITY, 36849
MOBILE 770-468-0478 • HENRYJ@AUBURN.EDU
AUBURN UNIVERSITY VARIETY TESTING WEBSITE