

*2012 Alabama
Cotton Variety
Report*

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TABLE OF CONTENTS

INTRODUCTION.....	4
EXPERIMENTAL CONDITIONS	4
EXPLANATION OF DATA.....	4
STATISTICAL ANALYSIS	5
ACKNOWLEDGMENTS.....	5
DRYLAND FLEX RR TRIAL BY LOCATION	
Table 1. Performance of Early Season Flex RR Cotton Varieties at Belle Mina, Alabama, 2012.....	6
Table 2. Performance of Full Season Flex RR Cotton Varieties at Belle Mina, Alabama, 2012.....	7
Table 3. Performance of Early Season Flex RR Cotton Varieties at Prattville, Alabama, 2012.....	8
Table 4. Performance of Full Season Flex RR Cotton Varieties at Prattville, Alabama, 2012.....	9
Table 5. Performance of Early Season Flex RR Cotton Varieties at Tallassee, Alabama, 2012.....	10
Table 6. Performance of Full Season Flex RR Cotton Varieties at Tallassee, Alabama, 2012.....	11
Table 7. Performance of Early Season Flex RR Cotton Varieties at Headland, Alabama, 2012..	12
Table 8. Performance of Full Season Flex RR Cotton Varieties at Headland, Alabama, 2012..	13
Table 9. Performance of Early Season Flex RR Cotton Varieties at Fairhope, Alabama, 2012.....	14
Table 10. Performance of Full Season Flex RR Cotton Varieties at Fairhope, Alabama, 2012.....	15
IRRIGATED FLEX RR TRIAL BY LOCATION	
Table 11. Performance of Early Season Flex RR Cotton Varieties at Belle Mina, Alabama, 2012.....	16
Table 12. Performance of Full Season Flex RR Cotton Varieties at Belle Mina, Alabama, 2012.....	17
Table 13. Performance of Early Season Flex RR Cotton Varieties at Headland, Alabama, 2012..	18
Table 14. Performance of Full Season Flex RR Cotton Varieties at Headland, Alabama, 2012..	19
RANKINGS AND AVERAGES ACROSS LOCATIONS AND YEARS	
Table 15. Performance of Early Season Flex RR Cotton Varieties in Alabama, Average of all Locations, 2010-2012.....	20
Table 16. Performance of Full Season Flex RR Cotton Varieties in Alabama, Average of all Locations, 2010-2012.....	21
Table 17. Relative Yield Rankings by Location of Early Season Flex RR Cotton Varieties, 2012.....	22
Table 18. Relative Yield Rankings by Location of Full Season Flex RR Cotton Varieties, 2012..	23
FIBER ANALYSIS	
Table 19. Cotton Fiber Analysis, HVI, of Early Season Flex RR Cotton Varieties at Belle Mina, 2012.....	24
Table 20. Cotton Fiber Analysis, HVI, of Full Season Flex RR Cotton Varieties at Belle Mina, 2012.....	25
Table 21. Cotton Fiber Analysis, HVI, of Early Season Flex RR Cotton Varieties at Prattville, 2012.....	26
Table 22. Cotton Fiber Analysis, HVI, of Full Season Flex RR Cotton Varieties at Prattville, 2012.....	27

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2012 ALABAMA COTTON VARIETY REPORT

Table 23. Cotton Fiber Analysis, HVI, of Early Season Flex RR Cotton Varieties at Tallassee, 2012.	28
Table 24. Cotton Fiber Analysis, HVI, of Full Season Flex RR Cotton Varieties at Tallassee, 2012.....	29
Table 25. Cotton Fiber Analysis, HVI, of Early Season Flex RR Cotton Varieties at Headland, 2012.....	30
Table 26. Cotton Fiber Analysis, HVI, of Full Season Flex RR Cotton Varieties at Headland, 2012.....	31
Table 27. Cotton Fiber Analysis, HVI, of Early Season Flex RR Cotton Varieties at Fairhope, 2012.....	32
Table 28. Cotton Fiber Analysis, HVI, of Full Season Flex RR Cotton Varieties at Fairhope, 2012.....	33
Table 29. Cotton Fiber Analysis, HVI, of Irrigated Early Season Flex RR Cotton Varieties at Belle Mina, 2012.....	34
Table 30. Cotton Fiber Analysis, HVI, of Irrigated Full Season Flex RR Cotton Varieties at Belle Mina, 2012.....	35
Table 31. Cotton Fiber Analysis, HVI, of Irrigated Early Season Flex RR Cotton Varieties at Headland, 2012.....	36
Table 32. Cotton Fiber Analysis, HVI, of Irrigated Full Season Flex RR Cotton Varieties at Headland, 2012.....	37
RAINFALL, SOIL TYPE, AND SEED SOURCES	
Table 33. Growing Season Rainfall, 2010-2012.....	38
Table 34. Soil Types, Planting Dates and Harvest Dates for 2012 Cotton Trials.....	38
Table 35. Sources of Seed for the 2012 Cotton Variety Trials	39

2012 ALABAMA COTTON VARIETY REPORT

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INTRODUCTION

The Alabama Cotton Variety Test is a continuing evaluation of available cotton varieties from private companies and state agricultural experiment stations. Breeding lines that are likely to be released as varieties are also tested. Tests are conducted on units of the Alabama Agricultural Experiment Station by Experiment Station personnel. Cultural practices are those generally recommended by the Alabama Cooperative Extension System to producers. Data are reported on irrigated tests at Belle Mina and Headland. No other tests received scheduled supplemental irrigation. Every effort is made to test the varieties and present the results in an unbiased manner.

EXPERIMENTAL CONDITIONS

Tests were split into early season and full season varieties. The maturity category for each variety was chosen by the company or cooperator. Plot size was two rows at Prattville, Tallassee, Headland, Belle Mina, and Fairhope. Row length varied at different locations from 20 to 120 feet. A randomized complete block design with four replications was used in all tests.

A dryland Flex RR Cotton trial was planted at five locations: Belle Mina, Prattville, Tallassee, Headland and Fairhope. Additionally, an early season and full season Flex RR trial were irrigated at both Belle Mina and Headland.

EXPLANATION OF DATA

HARVEST OF SEED COTTON

A 50-boll sample was taken by hand for ginning, then test plots were harvested by a mechanical spindle picker at all locations. Average seed cotton yield was determined for each variety at each location.

LINT PERCENTAGE

Seed cotton samples from each variety were ginned on a 10-saw gin. Lint percentage was calculated by dividing weight of lint by seed cotton weight.

YIELD OF LINT

Lint yield was determined by multiplying the lint percentage by seed cotton yield.

FIBER PROPERTIES

Fiber qualities of all varieties were measured by the USDA-AMS Classing Office in Birmingham, Alabama using High Volume Instrumentation (HVI). Data are reported on a single composite sample of each variety from each location including the regional tests at Shorter and Belle Mina.

Micronaire: This measures the fineness of the cotton fibers. The smaller the micronaire reading, the finer and/or more immature the fibers.

Length: This is the fiber length measured with the HVI instrument. This measurement of length is similar to the classer's staple.

Strength: This is a measure of breaking strength of a standard fiber bundle with the holding jaws separated by 1/8 inch. "Tex" is a size measurement of the fiber bundle and the data given are the force in grams needed to break this bundle.

Uniformity: This is the ratio between the mean length and the upper half mean length of the fibers and is expressed as a percentage. Cotton with a low length uniformity may be difficult to process.

Earliness: Earliness is reported as the percentage of the total yield harvested at the first picking where more than one harvest was made.

Fusarium Wilt: Reaction of varieties to *Fusarium oxysporum* f. *vasinfectum* (Fusarium wilt) was evaluated at the Plant Breeding Unit, Tallassee. Breeder lines and selected released varieties were grown in a field with a high natural incidence of the fusarium wilt disease. In 2012, incidence of Fusarium wilt ranged from low to moderate. The incidence ratings can be found in the 2012 National Fusarium Wilt Cotton Report, Departmental Series No. 319.

STATISTICAL ANALYSIS

Appropriate analyses of the yield data were made. For each location, the variability in the test was measured and expressed as a percentage of the test mean, i.e., the coefficient of variation (C.V.). An indication of the magnitude of difference between variety averages necessary to be considered a real difference is given for each location. It is designated as the Least Significance Difference (L.S.D_{0.10}). Appropriate care should be taken when using multi-location or multi-year averages. The genotype x environment interaction is often a significant source of variation, indicating that the varietal rankings are not consistent from one location to another or from one year to the next. Using multi-environment means in these instances can be grossly misleading. It is for this reason that summary tables showing variety ranks by location are included in the report.

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Appreciation is also expressed to the following supervisory personnel of the outlying units whose quality work makes this a reliable source of information for farmers in their areas:

Chet Norris and David Harkins, Tennessee Valley Research and Extension Center; Don Moore, Prattville Research Field; Steve Nightengale, Plant Breeding Unit Tallassee, E.V. Smith Research Center; Larry Wells and Brian Gamble, Wiregrass Research and Extension Center; Malcomb Pegues and Jarrod Jones, Gulf Coast Research and Extension Center.

TABLE 1. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>---- lbs/acre ----</i>	
PHY 375 WRF	1589	42	1364	1159
Deltapine 1028 B2RF	1623	45	1304	1072
Deltapine DP 0912 B2RF	1299	40	1211	1041
Deltapine DP 0920 B2RF	1312	40	1153	1006
Dyna Gro DG 2570 B2RF	1403	41	1142	990
Deltapine DP 1034 B2RF	1405	44	1177	988
PhytoGen PHY 367 WRF	1256	40	1129	958
Americot AM 1550 B2RF	1111	40	1001	908
PhytoGen PHY 499 WRF	1583	43	1361	
Dyna Gro CT 11212 B2RF	1503	41	1266	
Deltapine DP 1133 B2RF	1488	43	1211	
NexGen NG 1511 B2RF	1200	44	1152	
Dyna Gro DG 2530 B2RF	1332	42	1128	
PhytoGen PX 4433-14 WRF	1425	41		
PhytoGen PX 3122-40 WRF	1392	41		
Croplan Genetics CG 3428 B2RF	1387	42		
Fiber Max FM 1944 GLB2	1370	41		
All-Tex 9CR253 B2RF	1326	41		
Deltapine DP 1048 B2RF	1310	43		
PhytoGen PX 4339-15 WRF	1272	40		
PhytoGen PX 4339-CB WRF	1254	40		
PhytoGen PX 4339-6 WRF	1226	41		
Deltapine DP 1321 B2RF	1211	42		
Deltapine DP 1311 B2RF	1147	40		
DynaGro CT 12214	993	40		
All-Tex CR103233 B2RF	918	38		
Test Average	1321	41	1200	1015
LSD0.10	116		84	61
CV(%)	10		10	11

TABLE 2. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>---- lbs/acre ----</i>	
PHY 375 WRF	1489	42	1270	1028
PhytoGen PHY 499 WRF	1467	43	1252	1024
Deltapine DP 1252 B2RF	1458	45	1226	994
Deltapine DP 1050 B2RF	1444	43	1154	952
Deltapine DP 1137 B2RF	1335	44	1137	926
PhytoGen PHY 565 WRF	1283	40	1128	908
Deltapine DP 1048 B2RF	1230	43	1087	888
Dyna Gro DG 2610 B2RF	1401	43	1142	
NexGen NG 1511 B2RF	1372	45		
Americot NG 0012 B2RF	1369	44		
PhytoGen PX 4339-CB WRF	1293	41		
PhytoGen PX 4339-6 WRF	1290	41		
Croplan Genetics CG 3787 B2RF	1282	42		
Deltapine DP 1044 B2RF	1276	39		
PhytoGen PX 5277-02 WRF	1244	41		
PhytoGen PX 4339-15 WRF	1239	41		
PhytoGen PX 5409-03 WRF	1227	38		
PhytoGen PX 5403-05 WRF	1196	41		
Deltapine DP 1359 B2RF	1152	43		
Deltapine MON 11R136 B2RF	1146	40		
Fiber Max FM 1944 GLB2	1128	39		
PhytoGen PX 5322-11 WRF	1125	39		
All-Tex Nitro 44B2RF	765	38		
Test Average	1270	42	1174	960
LSD0.10	99		74	54
CV(%)	9		9	10

TABLE 3. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT PRATTVILE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
Deltapine DP 0912 B2RF	1025	42	1315	1178
Deltapine 1028 B2RF	1056	45	1292	1156
PHY 375 WRF	1016	43	1276	1148
Americot AM 1550 B2RF	1084	42	1222	1119
Deltapine DP 1034 B2RF	998	44	1233	1115
Dyna Gro DG 2570 B2RF	973	42	1220	1084
PhytoGen PHY 367 WRF	853	41	1090	1060
Deltapine DP 0920 B2RF	950	43	1134	991
PhytoGen PHY 499 WRF	1327	44	1487	
NexGen NG 1511 B2RF	972	44	1329	
Dyna Gro CT 11212 B2RF	916	42	1154	
Deltapine DP 1133 B2RF	824	43	1099	
Dyna Gro DG 2530 B2RF	870	43	1054	
PhytoGen PX 3122-40 WRF	1176	43		
All-Tex 9CR253 B2RF	1145	44		
Fiber Max FM 1944 GLB2	1115	42		
Croplan Genetics CG 3428 B2RF	1097	45		
PhytoGen PX 4339-CB WRF	1093	43		
Deltapine DP 1321 B2RF	1060	42		
Deltapine DP 1311 B2RF	1043	44		
PhytoGen PX 4339-15 WRF	1041	43		
Deltapine DP 1048 B2RF	1016	45		
PhytoGen PX 4339-6 WRF	977	41		
DynaGro CT 12214	951	41		
PhytoGen PX 4433-14 WRF	950	42		
All-Tex CR103233 B2RF	843	43		
Test Average	1014	43	1224	1106
LSD0.10	97		82	84
CV(%)	10		10	14

TABLE 4. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT PRATTVILE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	1409	44	1499	1307
Deltapine DP 1050 B2RF	1246	44	1399	1167
Deltapine DP 1252 B2RF	1239	45	1265	1156
PHY 375 WRF	1153	42	1319	1131
Deltapine DP 1137 B2RF	1101	44	1271	1089
Deltapine DP 1048 B2RF	1158	44	1261	1033
PhytoGen PHY 565 WRF	1152	40	1176	1027
Dyna Gro DG 2610 B2RF	1188	45	1196	
PhytoGen PX 5277-02 WRF	1399	43		
Deltapine DP 1359 B2RF	1261	44		
PhytoGen PX 4339-6 WRF	1246	41		
PhytoGen PX 5403-05 WRF	1246	42		
PhytoGen PX 4339-CB WRF	1193	42		
Americot NG 0012 B2RF	1183	45		
Croplan Genetics CG 3787 B2RF	1165	44		
PhytoGen PX 5322-11 WRF	1151	39		
PhytoGen PX 4339-15 WRF	1129	42		
Deltapine DP 1044 B2RF	1105	41		
NexGen NG 1511 B2RF	1099	44		
Fiber Max FM 1944 GLB2	1098	40		
PhytoGen PX 5409-03 WRF	1086	38		
Deltapine MON 11R136 B2RF	1084	42		
All-Tex Nitro 44B2RF	1030	41		
Test Average	1179	42	1298	1130
LSD0.10	106		123	88
CV(%)	10		13	14

TABLE 5. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
Deltapine 1028 B2RF	1438	45	1484	1228
Deltapine DP 1034 B2RF	1374	44	1420	1185
Deltapine DP 0912 B2RF	1213	41	1320	1149
PHY 375 WRF	1061	44	1296	1117
Dyna Gro DG 2570 B2RF	1206	41	1282	1084
Americot AM 1550 B2RF	1174	43	1239	1081
PhytoGen PHY 367 WRF	1015	42	1147	995
Deltapine DP 0920 B2RF	958	43	1084	923
PhytoGen PHY 499 WRF	1551	45	1480	
Dyna Gro DG 2530 B2RF	1340	43	1388	
NexGen NG 1511 B2RF	1245	45	1326	
Deltapine DP 1133 B2RF	1279	44	1309	
Dyna Gro CT 11212 B2RF	1091	42	1287	
PhytoGen PX 3122-40 WRF	1639	46		
PhytoGen PX 4339-15 WRF	1561	44		
PhytoGen PX 4339-CB WRF	1381	45		
Deltapine DP 1048 B2RF	1335	43		
PhytoGen PX 4339-6 WRF	1331	44		
PhytoGen PX 4433-14 WRF	1293	41		
Fiber Max FM 1944 GLB2	1289	42		
Deltapine DP 1311 B2RF	1276	44		
Deltapine DP 1321 B2RF	1157	43		
All-Tex CR103233 B2RF	1127	43		
All-Tex 9CR253 B2RF	1112	43		
Croplan Genetics CG 3428 B2RF	1072	44		
DynaGro CT 12214	1038	40		
Test Average	1252	43	1313	1095
LSD0.10	167		105	81
CV(%)	15		12	14

TABLE 6. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr [†]
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1757	45	1706	1392
Deltapine DP 1137 B2RF	1652	44	1579	1292
Deltapine DP 1252 B2RF	1639	45	1595	1277
Deltapine DP 1050 B2RF	1749	43	1609	1274
PHY 375 WRF	1603	43	1500	1253
Deltapine DP 1048 B2RF	1694	44	1520	1246
PhytoGen PHY 565 WRF	1403	41	1329	1096
Dyna Gro DG 2610 B2RF	1572	43	1537	
PhytoGen PX 4339-6 WRF	1926	42		
PhytoGen PX 4339-15 WRF	1787	43		
Croplan Genetics CG 3787 B2RF	1769	45		
PhytoGen PX 5322-11 WRF	1689	40		
PhytoGen PX 5277-02 WRF	1649	42		
NexGen NG 1511 B2RF	1629	44		
Deltapine DP 1359 B2RF	1629	43		
PhytoGen PX 5409-03 WRF	1594	38		
Americot NG 0012 B2RF	1585	43		
PhytoGen PX 4339-CB WRF	1573	42		
All-Tex Nitro 44B2RF	1561	41		
Deltapine MON 11R136 B2RF	1437	41		
Fiber Max FM 1944 GLB2	1403	41		
Deltapine DP 1044 B2RF	1313	40		
PhytoGen PX 5403-05 WRF	1100	41		
Test Average	1596	42	1547	1261
LSD0.10	148		128	93
CV(%)	10		13	14

TABLE 7. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
Deltapine DP 1034 B2RF	2043	44	1726	1361
Deltapine DP 0912 B2RF	1939	44	1703	1327
Americot AM 1550 B2RF	1797	41	1599	1264
PHY 375 WRF	1937	42	1582	1262
Dyna Gro DG 2570 B2RF	1859	43	1577	1251
Deltapine 1028 B2RF	1962	46	1559	1249
PhytoGen PHY 367 WRF	1736	42	1436	1195
Deltapine DP 0920 B2RF	1664	43	1466	1142
PhytoGen PHY 499 WRF	1988	45	1789	
NexGen NG 1511 B2RF	1815	46	1654	
Dyna Gro CT 11212 B2RF	1962	43	1512	
Dyna Gro DG 2530 B2RF	1736	42	1489	
Deltapine DP 1133 B2RF	1688	44	1428	
PhytoGen PX 3122-40 WRF	2356	45		
PhytoGen PX 4339-CB WRF	2103	42		
PhytoGen PX 4339-15 WRF	2017	42		
Croplan Genetics CG 3428 B2RF	2006	44		
Fiber Max FM 1944 GLB2	1985	42		
Deltapine DP 1321 B2RF	1976	43		
Deltapine DP 1048 B2RF	1820	44		
All-Tex 9CR253 B2RF	1814	45		
PhytoGen PX 4433-14 WRF	1789	42		
Deltapine DP 1311 B2RF	1783	43		
PhytoGen PX 4339-6 WRF	1751	42		
All-Tex CR103233 B2RF	1613	42		
DynaGro CT 12214	1467	40		
Test Average	1870	43	1578	1256
LSD0.10	287		168	111
CV(%)	17		17	16

TABLE 8. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1954	45	1758	1466
Deltapine DP 1050 B2RF	1443	45	1520	1240
PhytoGen PHY 565 WRF	1756	44	1505	1239
Deltapine DP 1137 B2RF	1676	46	1528	1224
PHY 375 WRF	1545	44	1444	1199
Deltapine DP 1252 B2RF	1672	48	1460	1185
Deltapine DP 1048 B2RF	1495	45	1508	1178
Dyna Gro DG 2610 B2RF	1568	45	1423	
PhytoGen PX 5277-02 WRF	1852	44		
PhytoGen PX 5403-05 WRF	1736	44		
Fiber Max FM 1944 GLB2	1712	41		
PhytoGen PX 5322-11 WRF	1709	41		
Croplan Genetics CG 3787 B2RF	1687	47		
PhytoGen PX 5409-03 WRF	1678	40		
Deltapine DP 1359 B2RF	1664	43		
Deltapine DP 1044 B2RF	1586	42		
Americot NG 0012 B2RF	1579	46		
PhytoGen PX 4339-15 WRF	1564	42		
All-Tex Nitro 44B2RF	1502	41		
PhytoGen PX 4339-6 WRF	1497	44		
NexGen NG 1511 B2RF	1496	45		
Deltapine MON 11R136 B2RF	1480	43		
PhytoGen PX 4339-CB WRF	1434	43		
Test Average	1621	44	1518	1247
LSD0.10	169		137	97
CV(%)	11		13	14

TABLE 9. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
Deltapine 1028 B2RF	1496	44	1381	1375
Deltapine DP 1034 B2RF	1480	41	1338	1304
PHY 375 WRF	1289	42	1219	1224
Deltapine DP 0912 B2RF	1205	40	1185	1161
PhytoGen PHY 367 WRF	1148	41	1109	1122
Deltapine DP 0920 B2RF	1158	41	1084	1117
Dyna Gro DG 2570 B2RF	1150	40	1077	1089
Americot AM 1550 B2RF	1022	40	1073	1059
Deltapine DP 1133 B2RF	1456	43	1346	
Dyna Gro CT 11212 B2RF	1408	41	1259	
Dyna Gro DG 2530 B2RF	1261	41	1253	
PhytoGen PHY 499 WRF	1303	43	1235	
NexGen NG 1511 B2RF	1168	43	1162	
Croplan Genetics CG 3428 B2RF	1399	41		
PhytoGen PX 3122-40 WRF	1381	42		
Deltapine DP 1048 B2RF	1373	42		
All-Tex 9CR253 B2RF	1344	39		
PhytoGen PX 4339-6 WRF	1316	41		
PhytoGen PX 4339-CB WRF	1273	41		
PhytoGen PX 4339-15 WRF	1267	40		
All-Tex CR103233 B2RF	1261	41		
Fiber Max FM 1944 GLB2	1237	39		
Deltapine DP 1321 B2RF	1196	39		
DynaGro CT 12214	1190	39		
PhytoGen PX 4433-14 WRF	1161	39		
Deltapine DP 1311 B2RF	1113	41		
Test Average	1271	41	1209	1181
LSD0.10	120		127	97
CV(%)	10		16	16

TABLE 10. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2012.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1419	44	1554	1421
Deltapine DP 1137 B2RF	1579	43	1389	1289
Deltapine DP 1048 B2RF	1504	43	1382	1284
PHY 375 WRF	1302	42	1351	1267
Deltapine DP 1050 B2RF	1382	43	1208	1265
Deltapine DP 1252 B2RF	1519	45	1224	1238
PhytoGen PHY 565 WRF	1218	39	1190	1192
Dyna Gro DG 2610 B2RF	1451	42	1270	
Croplan Genetics CG 3787 B2RF	1478	44		
Americot NG 0012 B2RF	1457	43		
PhytoGen PX 4339-CB WRF	1426	42		
PhytoGen PX 5277-02 WRF	1389	41		
PhytoGen PX 4339-15 WRF	1385	41		
PhytoGen PX 5322-11 WRF	1372	39		
PhytoGen PX 4339-6 WRF	1331	40		
Fiber Max FM 1944 GLB2	1328	40		
PhytoGen PX 5409-03 WRF	1310	38		
Deltapine MON 11R136 B2RF	1281	40		
NexGen NG 1511 B2RF	1203	41		
Deltapine DP 1044 B2RF	1194	42		
PhytoGen PX 5403-05 WRF	1182	42		
Deltapine DP 1359 B2RF	1132	43		
All-Tex Nitro 44B2RF	1131	39		
Test Average	1347	42	1321	1280
LSD0.10	110		118	87
CV(%)	9		13	12

TABLE 11. PERFORMANCE OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012†.

Variety	2012 lint		Average lint yld	
	yield <i>lbs/acre</i>	percentage %	2-yr	3-yr
Deltapine DP 0920 B2RF	1613	41	1462	1441
PHY 375 WRF	1738	40	1450	1389
Deltapine DP 1034 B2RF	1693	43	1482	1362
Deltapine DP 0912 B2RF	1576	39	1467	1358
PhytoGen PHY 367 WRF	1612	41	1444	1356
Dyna Gro DG 2570 B2RF	1687	42	1441	1350
Deltapine 1028 B2RF	1584	43	1398	1336
Americot AM 1550 B2RF	1710	40	1405	1307
PhytoGen PHY 499 WRF	1933	43	1683	
NexGen NG 1511 B2RF	1515	42	1492	
Dyna Gro CT 11212 B2RF	1519	41	1411	
Deltapine DP 1133 B2RF	1611	41	1405	
Dyna Gro DG 2530 B2RF	1524	42	1346	
PhytoGen PX 3122-40 WRF	1718	41		
PhytoGen PX 4339-6 WRF	1682	41		
Fiber Max FM 1944 GLB2	1675	39		
Deltapine DP 1311 B2RF	1669	41		
PhytoGen PX 4433-14 WRF	1659	40		
All-Tex CR103233 B2RF	1597	39		
PhytoGen PX 4339-15 WRF	1563	41		
PhytoGen PX 4339-CB WRF	1552	39		
Deltapine DP 1048 B2RF	1518	42		
Deltapine DP 1321 B2RF	1472	41		
Croplan Genetics CG 3428 B2RF	1453	41		
DynaGro CT 12214	1436	39		
All-Tex 9CR253 B2RF	1392	39		
Test Average	1604	41	1453	1362
LSD0.10	125		87	89
CV(%)	9		9	12

† This trial received 5.1 inches of irrigation water

TABLE 12. PERFORMANCE OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012†.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	1876	43	1574	1446
PHY 375 WRF	1711	41	1367	1301
Deltapine DP 1048 B2RF	1779	43	1479	1299
Deltapine DP 1137 B2RF	1740	41	1447	1297
Deltapine DP 1252 B2RF	1688	44	1351	1273
Deltapine DP 1050 B2RF	1699	44	1375	1262
PhytoGen PHY 565 WRF	1669	40	1341	1214
Dyna Gro DG 2610 B2RF	1596	42	1343	
Croplan Genetics CG 3787 B2RF	1834	43		
PhytoGen PX 4339-6 WRF	1753	40		
NexGen NG 1511 B2RF	1695	43		
PhytoGen PX 4339-CB WRF	1695	41		
PhytoGen PX 5277-02 WRF	1633	40		
Americot NG 0012 B2RF	1633	44		
Fiber Max FM 1944 GLB2	1621	38		
Deltapine DP 1359 B2RF	1612	42		
PhytoGen PX 4339-15 WRF	1580	40		
PhytoGen PX 5322-11 WRF	1572	39		
Deltapine DP 1044 B2RF	1535	39		
Deltapine MON 11R136 B2RF	1513	40		
All-Tex Nitro 44B2RF	1447	40		
PhytoGen PX 5409-03 WRF	1422	36		
PhytoGen PX 5403-05 WRF	1324	40		
Test Average	1636	41	1410	1299
LSD0.10	83		64	58
CV(%)	6		7	8

† This trial received 5.1 inches of irrigation water

TABLE 13. PERFORMANCE OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012[†].

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>----- lbs/acre -----</i>	
Deltapine 1028 B2RF	2208	47	2363	2158
Deltapine DP 1034 B2RF	2357	45	2356	2031
PHY 375 WRF	1855	43	2078	1882
Deltapine DP 0912 B2RF	1828	40	2076	1874
Dyna Gro DG 2570 B2RF	1702	44	2016	1857
PhytoGen PHY 367 WRF	1848	47	1976	1847
Americot AM 1550 B2RF	1884	42	2003	1824
Deltapine DP 0920 B2RF	1708	41	2015	1810
PhytoGen PHY 499 WRF	2300	46	2441	
Dyna Gro DG 2530 B2RF	2207	45	2334	
Deltapine DP 1133 B2RF	2160	45	2246	
NexGen NG 1511 B2RF	2110	45	2190	
Dyna Gro CT 11212 B2RF	1952	44	1987	
PhytoGen PX 3122-40 WRF	2366	45		
PhytoGen PX 4339-6 WRF	2296	43		
Deltapine DP 1048 B2RF	2225	46		
PhytoGen PX 4339-CB WRF	2176	44		
Croplan Genetics CG 3428 B2RF	2106	45		
Fiber Max FM 1944 GLB2	2094	42		
PhytoGen PX 4339-15 WRF	2093	42		
Deltapine DP 1321 B2RF	2035	44		
All-Tex 9CR253 B2RF	1993	43		
DynaGro CT 12214	1973	42		
Deltapine DP 1311 B2RF	1931	44		
PhytoGen PX 4433-14 WRF	1877	43		
All-Tex CR103233 B2RF	1864	43		
Test Average	2044	44	2160	1910
LSD0.10	212		143	114
CV(%)	11		10	11

[†] This trial received 3.4 inches of irrigation water

TABLE 14. PERFORMANCE OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012†.

Variety	2012 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
Deltapine DP 1252 B2RF	2199	45	2220	2077
PhytoGen PHY 499 WRF	2094	45	2141	2011
Deltapine DP 1137 B2RF	2180	44	2269	2006
Deltapine DP 1050 B2RF	2172	45	2229	1978
Deltapine DP 1048 B2RF	2139	44	2076	1905
PhytoGen PHY 565 WRF	2157	42	2083	1854
PHY 375 WRF	1709	41	1853	1697
Dyna Gro DG 2610 B2RF	2116	43	2168	
NexGen NG 1511 B2RF	2340	47		
PhytoGen PX 4339-CB WRF	2295	43		
PhytoGen PX 5322-11 WRF	2279	40		
PhytoGen PX 5277-02 WRF	2270	43		
PhytoGen PX 4339-15 WRF	2216	43		
PhytoGen PX 4339-6 WRF	2171	42		
Deltapine DP 1359 B2RF	2066	45		
Deltapine MON 11R136 B2RF	2059	42		
PhytoGen PX 5403-05 WRF	2037	44		
Croplan Genetics CG 3787 B2RF	2010	44		
PhytoGen PX 5409-03 WRF	2004	40		
Fiber Max FM 1944 GLB2	1967	41		
All-Tex Nitro 44B2RF	1907	42		
Deltapine DP 1044 B2RF	1809	42		
Americot NG 0012 B2RF	1645	44		
Test Average	2080	43	2130	1933
LSD0.10	203		142	111
CV(%)	11		9	10

† This trial received 3.4 inches of irrigation water

TABLE 15. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES IN ALABAMA, AVERAGE OF ALL LOCATIONS, 2010-2012

Variety	Lint yield			Lint percentage		
	2012	2-yr	3-yr	2012	2-yr	3-yr
	----- lbs/acre -----			----- % -----		
Deltapine 1028 B2RF	1515	1404	1216	45	44	45
Deltapine DP 1034 B2RF	1460	1379	1191	43	43	44
PHY 375 WRF	1378	1347	1182	43	43	43
Deltapine DP 0912 B2RF	1336	1347	1171	41	41	41
Dyna Gro DG 2570 B2RF	1318	1259	1100	41	41	42
Americot AM 1550 B2RF	1237	1227	1086	41	41	42
PhytoGen PHY 367 WRF	1201	1182	1066	41	41	42
Deltapine DP 0920 B2RF	1208	1184	1036	42	42	42
PhytoGen PHY 499 WRF	1550	1470		44	44	
NexGen NG 1511 B2RF	1280	1325		44	44	
Dyna Gro CT 11212 B2RF	1376	1296		42	42	
Deltapine DP 1133 B2RF	1347	1280		44	44	
Dyna Gro DG 2530 B2RF	1308	1263		42	42	
PhytoGen PX 3122-40 WRF	1589			43		
PhytoGen PX 4339-15 WRF	1432			42		
PhytoGen PX 4339-CB WRF	1421			42		
Fiber Max FM 1944 GLB2	1399			41		
Croplan Genetics CG 3428 B2RF	1392			43		
Deltapine DP 1048 B2RF	1371			43		
All-Tex 9CR253 B2RF	1348			43		
PhytoGen PX 4433-14 WRF	1324			41		
PhytoGen PX 4339-6 WRF	1320			42		
Deltapine DP 1321 B2RF	1320			42		
Deltapine DP 1311 B2RF	1272			42		
All-Tex CR103233 B2RF	1152			41		
DynaGro CT 12214	1128			40		
Test Average	1346	1305	1131	42	42	43
LSD0.10	29	59	54			
CV(%)	5	16	20			

TABLE 16. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES IN ALABAMA, AVERAGE OF ALL LOCATIONS, 2010-2012

Variety	Lint yield			Lint percentage		
	2012	2-yr	3-yr	2012	2-yr	3-yr
	----- lbs/acre-----			----- % -----		
PhytoGen PHY 499 WRF	1601	1554	1322	44	44	44
Deltapine DP 1050 B2RF	1453	1378	1180	44	44	44
PHY 375 WRF	1418	1377	1174	42	42	43
Deltapine DP 1252 B2RF	1505	1354	1170	46	45	45
Deltapine DP 1137 B2RF	1469	1377	1162	44	43	44
Deltapine DP 1048 B2RF	1416	1352	1125	44	43	43
PhytoGen PHY 565 WRF	1362	1266	1093	41	40	41
Dyna Gro DG 2610 B2RF	1436	1314		44	43	
PhytoGen PX 5277-02 WRF	1507			42		
Croplan Genetics CG 3787 B2RF	1476			44		
PhytoGen PX 4339-6 WRF	1458			42		
Americot NG 0012 B2RF	1435			44		
PhytoGen PX 4339-15 WRF	1421			42		
PhytoGen PX 5322-11 WRF	1409			40		
PhytoGen PX 4339-CB WRF	1384			42		
PhytoGen PX 5409-03 WRF	1379			38		
Deltapine DP 1359 B2RF	1368			43		
NexGen NG 1511 B2RF	1360			44		
Fiber Max FM 1944 GLB2	1334			40		
Deltapine DP 1044 B2RF	1295			41		
PhytoGen PX 5403-05 WRF	1292			42		
Deltapine MON 11R136 B2RF	1286			41		
All-Tex Nitro 44B2RF	1198			40		
Test Average	1403	1371	1175	42	43	44
LSD0.10	40	37	41			
CV(%)	7	9	15			

TABLE 17. RELATIVE YIELD RANKINGS BY LOCATION OF EARLY SEASON FLEX RR COTTON VARIETIES, 2012.

Variety	Belle Mina		Prattville		Tallassee		Fairhope		Headland	
	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank
All-Tex 9CR253 B2RF	1326	13	1145	3	1112	20	1344	8	1814	16
All-Tex CR103233 B2RF	918	26	843	25	1127	19	1261	15	1613	25
Americot AM 1550 B2RF	1111	24	1084	7	1174	17	1022	26	1797	17
Croplan Genetics CG 3428 B2RF	1387	10	1097	5	1072	22	1399	5	2006	5
Deltapine 1028 B2RF	1623	1	1056	9	1438	4	1496	1	1962	10
Deltapine DP 0912 B2RF	1299	16	1025	12	1213	15	1205	17	1939	11
Deltapine DP 0920 B2RF	1312	14	950	21	958	26	1158	22	1664	24
Deltapine DP 1034 B2RF	1405	7	998	15	1374	6	1480	2	2043	3
Deltapine DP 1048 B2RF	1310	15	1016	13	1335	8	1373	7	1820	14
Deltapine DP 1133 B2RF	1488	5	824	26	1279	12	1456	3	1688	23
Deltapine DP 1311 B2RF	1147	23	1043	10	1276	13	1113	25	1783	19
Deltapine DP 1321 B2RF	1211	21	1060	8	1157	18	1196	18	1976	8
Dyna Gro CT 11212 B2RF	1503	4	916	22	1091	21	1408	4	1962	9
Dyna Gro DG 2530 B2RF	1332	12	870	23	1340	7	1261	14	1736	21
Dyna Gro DG 2570 B2RF	1403	8	973	17	1206	16	1150	23	1859	13
DynaGro CT 12214	993	25	951	19	1038	24	1190	19	1467	26
Fiber Max FM 1944 GLB2	1370	11	1115	4	1289	11	1237	16	1985	7
NexGen NG 1511 B2RF	1200	22	972	18	1245	14	1168	20	1815	15
PHY 375 WRF	1589	2	1016	14	1061	23	1289	11	1937	12
PhytoGen PHY 367 WRF	1256	18	853	24	1015	25	1148	24	1736	22
PhytoGen PHY 499 WRF	1583	3	1327	1	1551	3	1303	10	1988	6
PhytoGen PX 3122-40 WRF	1392	9	1176	2	1639	1	1381	6	2356	1
PhytoGen PX 4339-15 WRF	1272	17	1041	11	1561	2	1267	13	2017	4
PhytoGen PX 4339-6 WRF	1226	20	977	16	1331	9	1316	9	1751	20
PhytoGen PX 4339-CB WRF	1254	19	1093	6	1381	5	1273	12	2103	2
PhytoGen PX 4433-14 WRF	1425	6	950	20	1293	10	1161	21	1789	18
CV(%)	10		10		15		10		17	
LSD0.10	116		97		167		120		287	
Test Average	1321		1014		1252		1271		1870	

TABLE 18. RELATIVE YIELD RANKINGS BY LOCATION OF FULL SEASON FLEX RR COTTON VARIETIES, 2012.

Variety	Belle Mina		Prattville		Tallasse		Fairhope		Headland	
	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank
All-Tex Nitro 44B2RF	765	23	1030	23	1561	18	1131	23	1502	17
Americot NG 0012 B2RF	1369	7	1183	10	1585	15	1457	5	1579	13
Croplan Genetics CG 3787 B2RF	1282	12	1165	11	1769	3	1478	4	1687	7
Deltapine DP 1044 B2RF	1276	13	1105	17	1313	22	1194	20	1586	12
Deltapine DP 1048 B2RF	1230	16	1158	12	1694	6	1504	3	1495	20
Deltapine DP 1050 B2RF	1444	4	1246	5	1749	5	1382	11	1443	22
Deltapine DP 1137 B2RF	1335	8	1101	18	1652	8	1579	1	1676	9
Deltapine DP 1252 B2RF	1458	3	1239	7	1639	10	1519	2	1672	10
Deltapine DP 1359 B2RF	1152	19	1261	3	1629	12	1132	22	1664	11
Deltapine MON 11R136 B2RF	1146	20	1084	22	1437	19	1281	17	1480	21
Dyna Gro DG 2610 B2RF	1401	5	1188	9	1572	17	1451	6	1568	14
Fiber Max FM 1944 GLB2	1128	21	1098	20	1403	20	1328	14	1712	5
NexGen NG 1511 B2RF	1372	6	1099	19	1629	11	1203	19	1496	19
PHY 375 WRF	1489	1	1153	13	1603	13	1302	16	1545	16
PhytoGen PHY 499 WRF	1467	2	1409	1	1757	4	1419	8	1954	1
PhytoGen PHY 565 WRF	1283	11	1152	14	1403	21	1218	18	1756	3
PhytoGen PX 4339-15 WRF	1239	15	1129	16	1787	2	1385	10	1564	15
PhytoGen PX 4339-6 WRF	1290	10	1246	4	1926	1	1331	13	1497	18
PhytoGen PX 4339-CB WRF	1293	9	1193	8	1573	16	1426	7	1434	23
PhytoGen PX 5277-02 WRF	1244	14	1399	2	1649	9	1389	9	1852	2
PhytoGen PX 5322-11 WRF	1125	22	1151	15	1689	7	1372	12	1709	6
PhytoGen PX 5403-05 WRF	1196	18	1246	6	1100	23	1182	21	1736	4
PhytoGen PX 5409-03 WRF	1227	17	1086	21	1594	14	1310	15	1678	8
CV(%)	8		10		10		9		11	
LSD0.10	97		106		151		109		166	
Test Average	1273		1181		1591		1351		1624	

TABLE 19. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	4.6	1.20	29.8	84.2
All-Tex CR103233 B2RF	3.9	1.24	27.9	84.2
Americot AM 1550 B2RF	4.4	1.16	26.8	84.4
Croplan Genetics CG 3428 B2RF	4.4	1.26	27.5	85.5
Deltapine 1028 B2RF	4.5	1.20	26.8	84.2
Deltapine DP 0912 B2RF	4.6	1.16	27.7	84.5
Deltapine DP 0920 B2RF	4.4	1.20	28.4	83.4
Deltapine DP 1034 B2RF	4.7	1.16	28.2	84.5
Deltapine DP 1048 B2RF	4.4	1.20	27.7	84.1
Deltapine DP 1133 B2RF	4.4	1.19	29.9	84.8
Deltapine DP 1311 B2RF	4.2	1.19	27.9	84.6
Deltapine DP 1321 B2RF	4.6	1.20	28.9	85.1
Dyna Gro CT 11212 B2RF	4.5	1.17	28.0	84.7
Dyna Gro DG 2530 B2RF	4.4	1.24	28.7	85.9
Dyna Gro DG 2570 B2RF	4.6	1.18	29.4	84.6
DynaGro CT 12214	4.3	1.20	28.5	84.1
Fiber Max FM 1944 GLB2	4.5	1.21	29.4	83.1
NexGen NG 1511 B2RF	4.4	1.16	29.9	84.0
PHY 375 WRF	4.2	1.15	29.1	83.6
PhytoGen PHY 367 WRF	4.2	1.19	29.8	84.5
PhytoGen PHY 499 WRF	4.7	1.18	29.2	85.4
PhytoGen PX 3122-40 WRF	4.1	1.21	29.9	84.6
PhytoGen PX 4339-15 WRF	4.0	1.22	29.0	85.0
PhytoGen PX 4339-6 WRF	3.9	1.19	29.9	83.7
PhytoGen PX 4339-CB WRF	4.1	1.22	29.4	84.4
PhytoGen PX 4433-14 WRF	4.2	1.20	27.6	84.8

TABLE 20. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.9	1.29	30.9	85.7
Americot NG 0012 B2RF	4.6	1.19	30.8	85.2
Croplan Genetics CG 3787 B2RF	4.3	1.22	30.8	85.7
Deltapine DP 1044 B2RF	4.8	1.18	31.5	84.6
Deltapine DP 1048 B2RF	4.7	1.19	28.1	84.7
Deltapine DP 1050 B2RF	4.6	1.19	29.3	83.7
Deltapine DP 1137 B2RF	4.8	1.15	29.0	83.6
Deltapine DP 1252 B2RF	4.9	1.18	30.0	84.2
Deltapine DP 1359 B2RF	4.2	1.22	31.0	83.3
Deltapine MON 11R136 B2RF	4.1	1.26	32.1	84.4
Dyna Gro DG 2610 B2RF	4.5	1.20	30.6	84.5
Fiber Max FM 1944 GLB2	4.7	1.21	32.3	83.1
NexGen NG 1511 B2RF	4.9	1.13	31.6	83.7
PHY 375 WRF	3.9	1.15	29.4	83.5
PhytoGen PHY 499 WRF	4.5	1.18	30.4	84.8
PhytoGen PHY 565 WRF	4.3	1.22	33.2	83.9
PhytoGen PX 4339-15 WRF	4.7	1.22	30.8	84.9
PhytoGen PX 4339-6 WRF	4.5	1.20	30.9	84.1
PhytoGen PX 4339-CB WRF	4.3	1.22	31.6	84.3
PhytoGen PX 5277-02 WRF	4.6	1.17	30.7	83.9
PhytoGen PX 5322-11 WRF	4.0	1.27	29.0	85.0
PhytoGen PX 5403-05 WRF	4.5	1.21	32.6	84.6
PhytoGen PX 5409-03 WRF	4.0	1.23	31.3	84.5

TABLE 21. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT PRATTVILLE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	4.5	1.15	30.8	83.8
All-Tex CR103233 B2RF	4.8	1.22	31.0	84.5
Americot AM 1550 B2RF	4.5	1.14	29.6	84.3
Croplan Genetics CG 3428 B2RF	4.8	1.20	29.6	84.6
Deltapine 1028 B2RF	5.2	1.15	28.9	85.0
Deltapine DP 0912 B2RF	5.0	1.13	30.8	84.1
Deltapine DP 0920 B2RF	4.9	1.15	29.7	82.6
Deltapine DP 1034 B2RF	5.0	1.17	31.6	84.4
Deltapine DP 1048 B2RF	5.0	1.17	28.8	84.0
Deltapine DP 1133 B2RF	4.9	1.20	32.1	85.0
Deltapine DP 1311 B2RF	4.9	1.16	30.0	84.1
Deltapine DP 1321 B2RF	5.0	1.19	31.7	84.5
Dyna Gro CT 11212 B2RF	4.7	1.14	31.0	84.6
Dyna Gro DG 2530 B2RF	4.8	1.22	32.5	85.5
Dyna Gro DG 2570 B2RF	4.9	1.15	31.1	84.8
DynaGro CT 12214	4.7	1.17	32.0	83.8
Fiber Max FM 1944 GLB2	4.8	1.21	34.8	84.4
NexGen NG 1511 B2RF	5.1	1.15	31.6	83.5
PHY 375 WRF	4.8	1.15	30.6	83.6
PhytoGen PHY 367 WRF	4.8	1.17	31.4	83.5
PhytoGen PHY 499 WRF	5.0	1.18	32.5	84.9
PhytoGen PX 3122-40 WRF	4.6	1.22	33.4	84.9
PhytoGen PX 4339-15 WRF	4.7	1.19	30.8	83.5
PhytoGen PX 4339-6 WRF	4.4	1.15	31.6	85.3
PhytoGen PX 4339-CB WRF	4.7	1.20	31.2	84.4
PhytoGen PX 4433-14 WRF	4.5	1.18	31.9	84.6

TABLE 22. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT PRATTVILLE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.3	1.24	33.3	85.7
Americot NG 0012 B2RF	5.0	1.20	31.2	85.2
Croplan Genetics CG 3787 B2RF	4.9	1.18	29.7	84.1
Deltapine DP 1044 B2RF	4.5	1.18	32.3	84.3
Deltapine DP 1048 B2RF	4.7	1.20	31.7	84.6
Deltapine DP 1050 B2RF	5.0	1.19	32.0	84.3
Deltapine DP 1137 B2RF	5.0	1.14	30.3	84.1
Deltapine DP 1252 B2RF	5.1	1.19	30.6	84.5
Deltapine DP 1359 B2RF	5.3	1.21	37.0	45.9
Deltapine MON 11R136 B2RF	5.0	1.25	33.9	85.1
Dyna Gro DG 2610 B2RF	4.8	1.18	31.3	84.7
Fiber Max FM 1944 GLB2	5.1	1.23	35.1	84.3
NexGen NG 1511 B2RF	5.1	1.15	32.8	84.7
PHY 375 WRF	4.4	1.16	30.2	84.1
PhytoGen PHY 499 WRF	5.1	1.17	32.6	85.9
PhytoGen PHY 565 WRF	4.5	1.22	33.1	85.6
PhytoGen PX 4339-15 WRF	5.3	1.20	30.8	84.5
PhytoGen PX 4339-6 WRF	4.9	1.22	31.2	86.0
PhytoGen PX 4339-CB WRF	4.8	1.20	31.2	84.5
PhytoGen PX 5277-02 WRF	5.2	1.21	32.3	85.9
PhytoGen PX 5322-11 WRF	4.7	1.26	31.1	85.4
PhytoGen PX 5403-05 WRF	5.1	1.25	32.5	86.0
PhytoGen PX 5409-03 WRF	4.9	1.26	32.6	85.0

TABLE 23. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	5.6	1.09	32.5	82.0
All-Tex CR103233 B2RF	4.8	1.16	31.1	81.4
Americot AM 1550 B2RF	4.8	1.09	29.0	81.2
Croplan Genetics CG 3428 B2RF	4.7	1.21	31.1	83.8
Deltapine 1028 B2RF	5.1	1.17	30.2	83.2
Deltapine DP 0912 B2RF	5.0	1.14	31.3	82.1
Deltapine DP 0920 B2RF	5.0	1.15	30.2	82.4
Deltapine DP 1034 B2RF	4.8	1.21	30.4	84.6
Deltapine DP 1048 B2RF	4.6	1.18	31.1	83.1
Deltapine DP 1133 B2RF	4.9	1.17	33.8	83.9
Deltapine DP 1311 B2RF	4.4	1.21	31.7	84.3
Deltapine DP 1321 B2RF	4.4	1.16	33.9	81.8
Dyna Gro CT 11212 B2RF	5.2	1.15	30.5	84.8
Dyna Gro DG 2530 B2RF	4.9	1.23	32.3	84.1
Dyna Gro DG 2570 B2RF	4.5	1.14	30.5	83.7
DynaGro CT 12214	4.7	1.14	29.6	82.5
Fiber Max FM 1944 GLB2	4.7	1.18	33.1	82.1
NexGen NG 1511 B2RF	5.2	1.08	30.6	81.0
PHY 375 WRF	4.9	1.08	30.0	81.1
PhytoGen PHY 367 WRF	4.8	1.16	31.9	83.8
PhytoGen PHY 499 WRF	4.9	1.13	33.0	83.6
PhytoGen PX 3122-40 WRF	4.4	1.18	30.4	83.6
PhytoGen PX 4339-15 WRF	4.6	1.16	32.0	83.0
PhytoGen PX 4339-6 WRF	4.9	1.15	32.3	83.0
PhytoGen PX 4339-CB WRF	4.7	1.18	32.8	83.4
PhytoGen PX 4433-14 WRF	4.9	1.15	31.4	84.0

TABLE 24. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.5	1.24	33.2	84.6
Americot NG 0012 B2RF	4.8	1.21	29.5	85.8
Croplan Genetics CG 3787 B2RF	4.9	1.20	29.6	84.9
Deltapine DP 1044 B2RF	4.1	1.15	31.6	81.8
Deltapine DP 1048 B2RF	4.8	1.19	29.7	83.8
Deltapine DP 1050 B2RF	4.9	1.22	30.6	85.1
Deltapine DP 1137 B2RF	4.4	1.20	30.5	85.0
Deltapine DP 1252 B2RF	5.1	1.19	29.4	84.6
Deltapine DP 1359 B2RF	4.7	1.19	32.6	83.5
Deltapine MON 11R136 B2RF	4.7	1.25	32.5	84.7
Dyna Gro DG 2610 B2RF	4.7	1.21	29.5	85.0
Fiber Max FM 1944 GLB2	4.7	1.20	32.1	83.9
NexGen NG 1511 B2RF	4.8	1.17	30.7	83.3
PHY 375 WRF	4.7	1.12	29.6	82.5
PhytoGen PHY 499 WRF	4.8	1.14	31.0	83.4
PhytoGen PHY 565 WRF	4.8	1.18	31.0	84.1
PhytoGen PX 4339-15 WRF	4.4	1.21	30.1	83.7
PhytoGen PX 4339-6 WRF	4.4	1.21	31.0	83.7
PhytoGen PX 4339-CB WRF	4.6	1.19	32.1	84.5
PhytoGen PX 5277-02 WRF	4.5	1.21	29.4	84.8
PhytoGen PX 5322-11 WRF	4.5	1.24	29.7	84.7
PhytoGen PX 5403-05 WRF	4.7	1.22	32.7	86.0
PhytoGen PX 5409-03 WRF	4.1	1.23	32.9	84.9

TABLE 25. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	5.3	1.15	29.4	84.1
All-Tex CR103233 B2RF	4.8	1.21	29.3	83.9
Americot AM 1550 B2RF	4.8	1.16	29.3	83.4
Croplan Genetics CG 3428 B2RF	5.1	1.19	29.2	84.5
Deltapine 1028 B2RF	4.9	1.14	27.8	83.9
Deltapine DP 0912 B2RF	4.9	1.14	29.3	84.2
Deltapine DP 0920 B2RF	4.9	1.14	27.3	82.7
Deltapine DP 1034 B2RF	4.8	1.18	30.0	84.6
Deltapine DP 1048 B2RF	5.2	1.19	29.8	83.9
Deltapine DP 1133 B2RF	4.8	1.19	32.5	84.8
Deltapine DP 1311 B2RF	4.9	1.15	29.2	83.4
Deltapine DP 1321 B2RF	5.0	1.15	29.5	84.3
Dyna Gro CT 11212 B2RF	4.9	1.14	27.9	83.5
Dyna Gro DG 2530 B2RF	4.7	1.23	30.9	85.2
Dyna Gro DG 2570 B2RF	4.6	1.17	28.7	83.5
DynaGro CT 12214	4.3	1.18	29.8	83.7
Fiber Max FM 1944 GLB2	4.9	1.18	32.1	83.8
NexGen NG 1511 B2RF	5.1	1.15	29.1	83.9
PHY 375 WRF	4.5	1.15	28.2	83.2
PhytoGen PHY 367 WRF	4.2	1.14	29.5	83.9
PhytoGen PHY 499 WRF	4.8	1.17	32.1	84.6
PhytoGen PX 3122-40 WRF	4.6	1.19	31.7	85.4
PhytoGen PX 4339-15 WRF	4.6	1.23	30.1	84.8
PhytoGen PX 4339-6 WRF	4.7	1.18	32.1	84.6
PhytoGen PX 4339-CB WRF	4.8	1.20	28.7	83.7
PhytoGen PX 4433-14 WRF	4.3	1.14	32.3	84.2

TABLE 26. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.2	1.25	32.6	84.4
Americot NG 0012 B2RF	4.9	1.15	28.6	83.3
Croplan Genetics CG 3787 B2RF	4.9	1.18	29.9	84.5
Deltapine DP 1044 B2RF	4.8	1.15	29.4	83.2
Deltapine DP 1048 B2RF	4.7	1.17	27.8	83.6
Deltapine DP 1050 B2RF	5.0	1.17	28.8	84.2
Deltapine DP 1137 B2RF	5.2	1.13	28.6	84.8
Deltapine DP 1252 B2RF	4.9	1.14	28.0	82.8
Deltapine DP 1359 B2RF	4.7	1.13	29.9	82.8
Deltapine MON 11R136 B2RF	4.4	1.25	32.2	85.7
Dyna Gro DG 2610 B2RF	4.7	1.18	29.3	84.8
Fiber Max FM 1944 GLB2	4.6	1.25	32.0	85.2
NexGen NG 1511 B2RF	4.7	1.13	30.3	83.8
PHY 375 WRF	4.7	1.14	28.4	84.0
PhytoGen PHY 499 WRF	4.8	1.18	31.2	84.8
PhytoGen PHY 565 WRF	4.6	1.17	31.5	84.9
PhytoGen PX 4339-15 WRF	4.7	1.23	29.0	84.6
PhytoGen PX 4339-6 WRF	4.7	1.19	29.4	84.4
PhytoGen PX 4339-CB WRF	4.4	1.20	28.8	85.5
PhytoGen PX 5277-02 WRF	4.8	1.16	30.6	84.9
PhytoGen PX 5322-11 WRF	4.4	1.22	34.1	84.3
PhytoGen PX 5403-05 WRF	4.5	1.20	32.7	84.7
PhytoGen PX 5409-03 WRF	4.1	1.22	32.0	83.1

TABLE 27. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	4.2	1.12	31.6	83.1
All-Tex CR103233 B2RF	4.3	1.14	29.2	82.0
Americot AM 1550 B2RF	4.2	1.13	29.1	83.3
Croplan Genetics CG 3428 B2RF	4.3	1.20	29.1	84.6
Deltapine 1028 B2RF	4.5	1.15	29.4	84.5
Deltapine DP 0912 B2RF	4.3	1.07	27.5	81.3
Deltapine DP 0920 B2RF	4.5	1.17	29.0	83.3
Deltapine DP 1034 B2RF	4.5	1.17	29.6	83.6
Deltapine DP 1048 B2RF	4.2	1.17	28.8	83.1
Deltapine DP 1133 B2RF	4.5	1.14	30.9	83.6
Deltapine DP 1311 B2RF	4.0	1.17	29.2	83.1
Deltapine DP 1321 B2RF	4.3	1.18	30.1	84.1
Dyna Gro CT 11212 B2RF	4.6	1.16	29.2	84.6
Dyna Gro DG 2530 B2RF	4.6	1.22	30.3	84.5
Dyna Gro DG 2570 B2RF	4.9	1.16	29.8	84.6
DynaGro CT 12214	4.4	1.19	29.1	83.6
Fiber Max FM 1944 GLB2	4.1	1.18	30.4	82.4
NexGen NG 1511 B2RF	4.4	1.14	30.1	83.4
PHY 375 WRF	4.3	1.16	28.6	83.5
PhytoGen PHY 367 WRF	4.2	1.17	31.1	84.0
PhytoGen PHY 499 WRF	4.5	1.14	31.0	82.7
PhytoGen PX 3122-40 WRF	4.2	1.17	29.1	82.7
PhytoGen PX 4339-15 WRF	4.0	1.20	30.0	83.5
PhytoGen PX 4339-6 WRF	4.0	1.14	29.9	82.6
PhytoGen PX 4339-CB WRF	4.3	1.17	28.9	83.4
PhytoGen PX 4433-14 WRF	3.8	1.18	30.0	84.0

TABLE 28. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.0	1.21	34.4	83.1
Americot NG 0012 B2RF	4.8	1.17	29.5	84.6
Croplan Genetics CG 3787 B2RF	4.7	1.16	29.6	83.1
Deltapine DP 1044 B2RF	4.6	1.11	30.4	82.3
Deltapine DP 1048 B2RF	4.1	1.16	29.6	82.4
Deltapine DP 1050 B2RF	4.5	1.17	31.5	83.9
Deltapine DP 1137 B2RF	4.4	1.14	27.5	83.1
Deltapine DP 1252 B2RF	4.8	1.15	30.1	84.6
Deltapine DP 1359 B2RF	4.4	1.18	33.3	83.8
Deltapine MON 11R136 B2RF	4.0	1.25	34.3	84.4
Dyna Gro DG 2610 B2RF	4.5	1.17	30.2	83.5
Fiber Max FM 1944 GLB2	4.5	1.19	33.1	82.4
NexGen NG 1511 B2RF	4.3	1.17	33.2	83.6
PHY 375 WRF	4.2	1.15	29.1	82.5
PhytoGen PHY 499 WRF	4.8	1.15	33.3	84.0
PhytoGen PHY 565 WRF	4.2	1.20	33.8	83.6
PhytoGen PX 4339-15 WRF	4.6	1.19	31.7	84.1
PhytoGen PX 4339-6 WRF	3.8	1.15	29.3	81.6
PhytoGen PX 4339-CB WRF	4.1	1.20	31.0	84.0
PhytoGen PX 5277-02 WRF	4.1	1.18	33.1	83.9
PhytoGen PX 5322-11 WRF	4.0	1.18	29.7	81.9
PhytoGen PX 5403-05 WRF	3.7	1.21	34.8	83.9
PhytoGen PX 5409-03 WRF	3.9	1.22	32.9	83.0

TABLE 29. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	4.6	1.18	28.3	84.5
All-Tex CR103233 B2RF	4.1	1.22	27.3	83.8
Americot AM 1550 B2RF	4.0	1.21	28.4	84.4
Croplan Genetics CG 3428 B2RF	4.4	1.21	28.3	84.7
Deltapine 1028 B2RF	4.4	1.18	29.4	84.3
Deltapine DP 0912 B2RF	4.5	1.16	28.3	84.3
Deltapine DP 0920 B2RF	4.1	1.19	28.5	84.7
Deltapine DP 1034 B2RF	4.1	1.19	29.6	84.3
Deltapine DP 1048 B2RF	4.2	1.19	30.0	85.1
Deltapine DP 1133 B2RF	4.1	1.20	31.3	84.8
Deltapine DP 1311 B2RF	3.8	1.18	27.6	83.2
Deltapine DP 1321 B2RF	4.2	1.22	30.5	85.3
Dyna Gro CT 11212 B2RF	4.3	1.18	27.2	84.9
Dyna Gro DG 2530 B2RF	4.3	1.22	30.2	84.9
Dyna Gro DG 2570 B2RF	4.2	1.18	30.9	83.8
DynaGro CT 12214	4.0	1.19	28.5	84.4
Fiber Max FM 1944 GLB2	4.2	1.19	28.9	84.3
NexGen NG 1511 B2RF	4.5	1.17	29.3	84.7
PHY 375 WRF	4.1	1.16	26.7	83.9
PhytoGen PHY 367 WRF	4.1	1.22	30.1	84.9
PhytoGen PHY 499 WRF	3.9	1.22	30.2	84.9
PhytoGen PX 3122-40 WRF	3.7	1.22	29.9	84.4
PhytoGen PX 4339-15 WRF	4.2	1.22	28.9	85.4
PhytoGen PX 4339-6 WRF	4.5	1.19	29.7	84.6
PhytoGen PX 4339-CB WRF	3.9	1.22	30.3	84.9
PhytoGen PX 4433-14 WRF	3.5	1.20	30.5	84.4

TABLE 30. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.6	1.25	33.3	84.8
Americot NG 0012 B2RF	4.7	1.20	28.8	84.3
Croplan Genetics CG 3787 B2RF	4.2	1.18	29.5	84.5
Deltapine DP 1044 B2RF	4.5	1.15	30.4	83.2
Deltapine DP 1048 B2RF	4.5	1.19	28.8	84.5
Deltapine DP 1050 B2RF	4.5	1.18	28.4	83.6
Deltapine DP 1137 B2RF	4.5	1.17	29.1	83.8
Deltapine DP 1252 B2RF	4.8	1.18	29.4	84.7
Deltapine DP 1359 B2RF	4.2	1.23	32.7	84.1
Deltapine MON 11R136 B2RF	4.1	1.27	32.7	85.3
Dyna Gro DG 2610 B2RF	4.3	1.20	27.4	84.6
Fiber Max FM 1944 GLB2	4.1	1.23	32.9	84.1
NexGen NG 1511 B2RF	4.5	1.15	30.7	83.5
PHY 375 WRF	4.2	1.16	28.8	83.6
PhytoGen PHY 499 WRF	4.2	1.16	30.8	83.7
PhytoGen PHY 565 WRF	4.3	1.20	32.2	84.2
PhytoGen PX 4339-15 WRF	4.3	1.24	30.5	84.3
PhytoGen PX 4339-6 WRF	4.2	1.20	30.2	84.8
PhytoGen PX 4339-CB WRF	4.1	1.22	29.2	84.0
PhytoGen PX 5277-02 WRF	4.6	1.21	28.0	84.8
PhytoGen PX 5322-11 WRF	4.1	1.26	29.9	83.7
PhytoGen PX 5403-05 WRF	3.8	1.24	33.5	84.5
PhytoGen PX 5409-03 WRF	3.9	1.26	30.6	83.3

TABLE 31. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex 9CR253 B2RF	5.0	1.19	33.4	84.2
All-Tex CR103233 B2RF	4.8	1.20	32.2	84.7
Americot AM 1550 B2RF	4.4	1.14	30.1	83.3
Croplan Genetics CG 3428 B2RF	4.6	1.14	27.8	84.2
Deltapine 1028 B2RF	4.9	1.17	32.4	84.3
Deltapine DP 0912 B2RF	.	.	.	.
Deltapine DP 0920 B2RF	.	.	.	.
Deltapine DP 1034 B2RF	5.0	1.13	29.4	83.3
Deltapine DP 1048 B2RF	5.1	1.18	31.3	84.8
Deltapine DP 1133 B2RF	4.9	1.15	28.8	84.8
Deltapine DP 1311 B2RF	4.8	1.20	31.3	84.8
Deltapine DP 1321 B2RF	.	.	.	.
Dyna Gro CT 11212 B2RF	5.1	1.16	31.0	84.3
Dyna Gro DG 2530 B2RF	4.8	1.19	29.6	84.7
Dyna Gro DG 2570 B2RF	.	.	.	.
DynaGro CT 12214	4.6	1.14	28.9	84.6
Fiber Max FM 1944 GLB2	4.8	1.20	31.4	84.1
NexGen NG 1511 B2RF	4.7	1.22	32.7	84.6
PHY 375 WRF	.	.	.	.
PhytoGen PHY 367 WRF	4.7	1.16	31.0	82.8
PhytoGen PHY 499 WRF	.	.	.	.
PhytoGen PX 3122-40 WRF	4.6	1.21	33.2	84.3
PhytoGen PX 4339-15 WRF	4.5	1.15	30.3	83.9
PhytoGen PX 4339-6 WRF	4.4	1.19	32.2	85.0
PhytoGen PX 4339-CB WRF	4.1	1.15	28.7	84.7
PhytoGen PX 4433-14 WRF	4.4	1.19	30.1	83.7

TABLE 32. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2012.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.8	1.25	34.4	84.3
Americot NG 0012 B2RF	5.1	1.16	27.8	84.0
Croplan Genetics CG 3787 B2RF	5.0	1.20	27.5	84.7
Deltapine DP 1044 B2RF	4.6	1.11	29.8	83.3
Deltapine DP 1048 B2RF	.	.	.	.
Deltapine DP 1050 B2RF	4.9	1.11	29.8	83.3
Deltapine DP 1137 B2RF	.	.	.	.
Deltapine DP 1252 B2RF	.	.	.	.
Deltapine DP 1359 B2RF	4.6	1.22	32.8	84.6
Deltapine MON 11R136 B2RF	4.7	1.21	33.8	84.1
Dyna Gro DG 2610 B2RF	.	.	.	.
Fiber Max FM 1944 GLB2	4.9	1.22	30.9	84.3
NexGen NG 1511 B2RF	.	.	.	.
PHY 375 WRF	4.1	1.11	29.4	81.9
PhytoGen PHY 499 WRF	.	.	.	.
PhytoGen PHY 565 WRF	4.9	1.18	28.4	84.4
PhytoGen PX 4339-15 WRF	5.1	1.16	30.0	84.6
PhytoGen PX 4339-6 WRF	4.6	1.19	32.4	84.2
PhytoGen PX 4339-CB WRF	.	.	.	.
PhytoGen PX 5277-02 WRF	4.8	1.20	29.6	84.9
PhytoGen PX 5322-11 WRF	4.4	1.26	29.2	85.3
PhytoGen PX 5403-05 WRF	4.9	1.16	29.9	84.4
PhytoGen PX 5409-03 WRF	5.0	1.19	30.4	84.0

TABLE 33. GROWING SEASON RAINFALL, 2010-2012

Test location	Year	Monthly rainfall (inches)							7-month total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina	2012	3.4	1.7	3.2	1.3	8.7	3.4	5.5	27.3
	2011	9.5	11.5	2.8	3.4	4.7	4.6	5.7	42.2
	2010	4.6	2.8	6.2	2.7	4.3	1.4	1.9	23.9
Tallassee	2012	3.4	1.3	7.7	2.9	3.9	3.9	3.1	26.0
	2011	6.4	1.8	2.7	2.3	7.9	0.9	5.3	27.3
	2010	5.6	1.5	8.0	1.3	1.9	8.8	2.2	29.3
Prattville	2012	5.4	1.6	5.3	3.5	1.3	4.8	3.7	25.5
	2011	7.8	3.1	4.8	2.7	4.5	2.0	3.8	28.7
	2010	4.8	1.7	4.1	4.2	4.4	3.6	0.6	23.4
Headland	2012	4.7	1.9	2.8	3.3	2.5	7.4	4.3	26.9
	2011	3.7	2.9	0.2	1.8	7.6	1.6	2.1	19.9
	2010	2.3	2.6	5.0	5.1	1.9	2.9	1.6	21.4
Fairhope	2012	2.2	2.6	7.5	11.3	8.0	11.0	3.8	46.3
	2011	4.6	1.1	0.9	3.9	10.1	1.9	11.1	33.6
	2010	5.2	2.0	7.0	5.0	2.2	10.3	6.3	38.0

TABLE 34. SOIL TYPES, PLANTING DATES, AND HARVEST DATES FOR 2012 COTTON TRIALS

Location	Soil Type	Test	Planting Date	Harvest Date
Belle Mina	Decatur silt loam	Early Season Flex	May 7	October 23
		Full Season Flex	May 7	October 24
		Irrigated Early Season Flex	May 7	November 1
		Irrigated Full Season Flex	May 7	November 1
Prattville	Lucedale fine sandy loam	Early Season Flex	May 17	October 24
		Full Season Flex	May 16	October 27
Tallassee	Wickham fine sandy loam	Early Season Flex	May 19	October 31
		Full Season Flex	May 19	October 31
Headland	Dothan sandy loam	Early Season Flex	May 17	November 20
		Full Season Flex	May 17	November 20
		Irrigated Early Season Flex	May 18	November 19
		Irrigated Full Season Flex	May 18	November 19
Fairhope	Malbis fine sandy loam	Early Season Flex	May 10	October 10
		Full Season Flex	May 10	October 10

TABLE 35. SOURCES OF SEED FOR THE 2012 COTTON VARIETY TRIALS

All-Tex Seed, Victoria, Texas

All-Tex 9CR253 B2RF
 All-Tex CR103233 B2RF
 All-Tex Nitro 44 B2RF

Delta and Pine Land Co., Scott, Mississippi

Deltapine DP 0912 B2RF	Deltapine DP 1133 B2RF
Deltapine DP 0920 B2RF	Deltapine DP 1137 B2RF
Deltapine DP 1028 B2RF	Deltapine DP 1252 B2RF
Deltapine DP 1034 B2RF	Deltapine DP 1311 B2RF
Deltapine DP 1044 B2RF	Deltapine DP 1321 B2RF
Deltapine DP 1048 B2RF	Deltapine DP 1359 B2RF
Deltapine DP 1050 B2RF	MON 11R136 B2R2

Bayer Crop Sciences, Lubbock, Texas

FiberMax FM 1944 GLB2

PhytoGen Seed Company, Collierville, Tennessee

PhytoGen PHY 367 WRF	PX 3122-40 WRF
PhytoGen PHY 375 WRF	PX 4433-14 WRF
PhytoGen PHY 499 WRF	PX 5322-11 WRF
PhytoGen PHY 565 WRF	PX 5403-05 WRF
PX 4339-6 WRF	PX 5409-03 WRF
PX 4339-15 WRF	PX 5277-02 WRF
PX 4339-CB WRF	

Americot, Inc., Lubbock, Texas

AM 1550 B2RF
 NG 1511 B2RF
 NG 0012 B2RF

Crop Production Services, Kinston, Alabama

DynaGro 2530 B2RF	DynaGro CT11212 B2RF
DynaGro 2570 B2RF	DynaGro CT12214 B2RF
DynaGro 2610 B2RF	

Winfield Solutions LLC, Frisco, Texas

Croplan Genetics CG 3428 B2RF
 Croplan Genetics CG 3787 B2RF