

2013 Alabama Cotton Variety Report

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Information contained herein is available to all persons regardless of race, color, sex, or national origin.

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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 2013, incidence of Fusarium wilt ranged from low to moderate. The incidence ratings can be found in the 2013 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, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>----- lbs/acre ----</i>	
PHY 375 WRF	1904	45	1747	1544
PhytoGen PHY 499 WRF	1876	45	1730	1533
Deltapine DP 0912 B2RF	1906	42	1602	1442
Deltapine DP 1034 B2RF	1803	45	1604	1385
Americot AM 1511 B2RF	1787	43	1493	1363
PhytoGen PHY 367 WRF	1721	42	1488	1326
Americot AM 1550 B2RF	1663	42	1387	1222
Deltapine DP 1048 B2RF	2041	46	1676	
PhytoGen PHY 333 WRF	1954	44	1673	
Croplan Genetics CG 3428 B2RF	1778	45	1582	
Phytogen PHY 339 WRF	1871	41	1549	
Deltapine DP 1321 B2RF	1868	41	1540	
Fiber Max FM 1944 GLB2	1674	40	1522	
PhytoGen PX 4444-13 WRF	2029	45		
PhytoGen PX 4444-14 WRF	1992	44		
DynaGro CT 13414	1976	45		
PhytoGen PX 3003-10 WRF	1906	46		
DynaGro 2285 B2RF	1830	41		
Deltapine DP 1212 B2RF	1794	42		
All-Tex DG CT 12353 B2RF	1718	42		
Deltapine MON 12R224 B2R2	1692	40		
Bayer ST 4946 GLB2	1655	40		
PhytoGen PX 4433-27 WRF	1591	40		
All-Tex DGX CR108788 B2RF	1576	39		
PhytoGen PX 4433-25 WRF	1550	44		
Test Average	1806	43	1584	1402
LSD0.10	111	1	88	65
CV(%)	7	2	8	8

TABLE 2. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>---- lbs/acre ----</i>	
Deltapine DP 1252 B2RF	1892	47	1675	1448
PHY 375 WRF	1746	44	1617	1428
PhytoGen PHY 499 WRF	1745	44	1606	1416
Deltapine DP 1050 B2RF	1887	47	1666	1399
DynaGro DG 2610 B2RF	1709	45	1555	1331
Deltapine DP 1048 B2RF	1778	45	1504	1317
Deltapine DP 1137 B2RF	1637	45	1486	1307
Phytogen PHY 339 WRF	1976	44	1633	
Croplan Genetics CG 3787 B2RF	1870	46	1576	
Americot AM 1511 B2RF	1745	44	1558	
Phytogen PHY 575 WRF	1659	41	1392	
All-Tex Nitro 44B2RF	1654	41	1210	
PhytoGen PX 4444-14 WRF	1781	44		
PhytoGen PX 4444-13 WRF	1761	44		
PhytoGen PHY 333 WRF	1746	44		
Americot NG 5315 B2RF	1745	45		
PhytoGen PX 3003-10 WRF	1697	45		
PhytoGen PX 5540-10 WRF	1649	45		
Deltapine MON 12R242 B2R2	1647	44		
PhytoGen PX 5538-40 WRF	1624	42		
Bayer ST 6448 GLB2	1554	42		
PhytoGen PX 4433-27 WRF	1548	41		
Deltapine DP 1219 B2RF	1536	43		
PhytoGen PX 4433-25 WRF	1487	43		
PhytoGen PX 5403-01 WRF	1470	44		
Test Average	1702	44	1540	1378
LSD0.10	104		75	58
CV(%)	7		7	8

TABLE 3. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT PRATTVILE, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1403	42	1365	1459
PHY 375 WRF	1451	41	1233	1335
Deltapine DP 1034 B2RF	1480	43	1239	1322
Americot AM 1511 B2RF	1289	42	1131	1320
Americot AM 1550 B2RF	1471	41	1277	1305
Deltapine DP 0912 B2RF	1269	40	1147	1300
PhytoGen PHY 367 WRF	1324	40	1089	1168
PhytoGen PHY 333 WRF	1631	43	1404	
Deltapine DP 1048 B2RF	1405	43	1210	
Fiber Max FM 1944 GLB2	1276	39	1196	
Phytogen PHY 339 WRF	1398	42	1188	
Deltapine DP 1321 B2RF	1291	40	1176	
Croplan Genetics CG 3428 B2RF	1085	42	1091	
PhytoGen PX 3003-10 WRF	1655	43		
PhytoGen PX 4444-13 WRF	1466	43		
PhytoGen PX 4433-27 WRF	1466	40		
Bayer ST 4946 GLB2	1418	40		
DynaGro CT 13414	1412	44		
PhytoGen PX 4444-14 WRF	1401	42		
Deltapine MON 12R224 B2R2	1392	41		
All-Tex DG CT 12353 B2RF	1384	42		
PhytoGen PX 4433-25 WRF	1314	43		
DynaGro 2285 B2RF	1228	40		
Deltapine DP 1212 B2RF	1156	40		
All-Tex DGX CR108788 B2RF	1008	36		
Test Average	1363	41	1211	1316
LSD0.10	146	1	96	77
CV(%)	12	2	12	11

TABLE 4. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT PRATTVILE, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	1569	42	1489	1522
PHY 375 WRF	1564	41	1358	1401
Deltapine DP 1050 B2RF	1355	43	1300	1384
Deltapine DP 1137 B2RF	1483	42	1292	1334
Deltapine DP 1252 B2RF	1458	44	1349	1329
Deltapine DP 1048 B2RF	1412	44	1285	1311
DynaGro DG 2610 B2RF	1473	44	1331	1288
Phytogen PHY 339 WRF	1449	41	1348	
Croplan Genetics CG 3787 B2RF	1529	44	1347	
Americot AM 1511 B2RF	1399	42	1249	
Phytogen PHY 575 WRF	1338	40	1244	
All-Tex Nitro 44B2RF	1142	38	1086	
PhytoGen PX 3003-10 WRF	1728	43		
PhytoGen PHY 333 WRF	1557	43		
PhytoGen PX 4444-13 WRF	1548	43		
PhytoGen PX 5540-10 WRF	1511	44		
PhytoGen PX 5538-40 WRF	1491	41		
PhytoGen PX 4433-25 WRF	1468	42		
PhytoGen PX 4444-14 WRF	1464	41		
Deltapine MON 12R242 B2R2	1435	42		
Americot NG 5315 B2RF	1418	43		
PhytoGen PX 4433-27 WRF	1405	41		
Bayer ST 6448 GLB2	1211	39		
PhytoGen PX 5403-01 WRF	1206	42		
Deltapine DP 1219 B2RF	1193	41		
Test Average	1432	42	1306	1367
LSD0.10	117		78	81
CV(%)	9		9	11

TABLE 5. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2013[†].

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	554	45	1052	1172
Deltapine DP 1034 B2RF	571	42	973	1137
Americot AM 1511 B2RF	572	42	908	1075
Americot AM 1550 B2RF	702	43	938	1060
Deltapine DP 0912 B2RF	489	40	851	1043
PHY 375 WRF	534	43	798	1042
PhytoGen PHY 367 WRF	747	43	881	1014
PhytoGen PHY 333 WRF	963	45	1301	
Deltapine DP 1048 B2RF	498	43	917	
Fiber Max FM 1944 GLB2	510	40	899	
Phytogen PHY 339 WRF	448	44	889	
Deltapine DP 1321 B2RF	555	41	856	
Croplan Genetics CG 3428 B2RF	478	42	775	
PhytoGen PX 4433-27 WRF	830	42		
PhytoGen PX 3003-10 WRF	767	43		
PhytoGen PX 4444-14 WRF	664	43		
DynaGro 2285 B2RF	653	43		
PhytoGen PX 4444-13 WRF	652	44		
Bayer ST 4946 GLB2	616	42		
DynaGro CT 13414	604	44		
Deltapine DP 1212 B2RF	576	39		
PhytoGen PX 4433-25 WRF	563	41		
Deltapine MON 12R224 B2R2	460	42		
All-Tex DGX CR108788 B2RF	367	40		
All-Tex DG CT 12353 B2RF	330	40		
Test Average	588	42	926	1078
LSD0.10	132	1	110	86
CV(%)	25	3	18	14

[†] Excessive rainfall and poor drainage reduced yields.

TABLE 6. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2013[†].

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr [†]
	<i>lbs/acre</i>	%	<i>---- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	732	47	1244	1381
Deltapine DP 1252 B2RF	744	46	1192	1311
Deltapine DP 1050 B2RF	660	44	1204	1293
Deltapine DP 1137 B2RF	672	43	1162	1281
Deltapine DP 1048 B2RF	766	45	1230	1269
PHY 375 WRF	688	45	1145	1229
DynaGro DG 2610 B2RF	572	43	1072	1215
Croplan Genetics CG 3787 B2RF	785	45	1277	
Phytogen PHY 339 WRF	602	43	1264	
Americot AM 1511 B2RF	602	42	1116	
Phytogen PHY 575 WRF	468	41	1079	
All-Tex Nitro 44B2RF	580	42	1070	
PhytoGen PHY 333 WRF	868	46		
PhytoGen PX 4433-27 WRF	854	42		
PhytoGen PX 4433-25 WRF	826	43		
PhytoGen PX 3003-10 WRF	804	44		
PhytoGen PX 4444-14 WRF	660	45		
Deltapine MON 12R242 B2R2	617	44		
PhytoGen PX 5538-40 WRF	589	44		
PhytoGen PX 5540-10 WRF	573	46		
PhytoGen PX 4444-13 WRF	532	45		
Americot NG 5315 B2RF	497	43		
Deltapine DP 1219 B2RF	424	43		
Bayer ST 6448 GLB2	395	39		
PhytoGen PX 5403-01 WRF	383	43		
Test Average	636	44	1171	1283
LSD0.10	100		101	99
CV(%)	17		13	15

[†] Excessive rainfall and poor drainage reduced yields.

TABLE 7. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	1824	42	1906	1800
Deltapine DP 0912 B2RF	1786	39	1863	1731
PHY 375 WRF	1898	40	1917	1687
Deltapine DP 1034 B2RF	1599	42	1821	1683
Americot AM 1511 B2RF	1640	41	1728	1649
Americot AM 1550 B2RF	1651	39	1724	1617
PhytoGen PHY 367 WRF	1681	41	1708	1518
PhytoGen PHY 333 WRF	1887	41	2122	
Deltapine DP 1048 B2RF	1914	41	1867	
Fiber Max FM 1944 GLB2	1700	38	1842	
Croplan Genetics CG 3428 B2RF	1629	42	1818	
Deltapine DP 1321 B2RF	1575	39	1775	
Phytogen PHY 339 WRF	1772	41	1762	
PhytoGen PX 3003-10 WRF	2203	42		
PhytoGen PX 4444-13 WRF	1822	42		
PhytoGen PX 4444-14 WRF	1816	41		
All-Tex DG CT 12353 B2RF	1815	42		
DynaGro CT 13414	1808	44		
PhytoGen PX 4433-27 WRF	1776	40		
Deltapine MON 12R224 B2R2	1721	39		
DynaGro 2285 B2RF	1650	39		
Deltapine DP 1212 B2RF	1632	38		
Bayer ST 4946 GLB2	1631	39		
PhytoGen PX 4433-25 WRF	1570	42		
All-Tex DGX CR108788 B2RF	1499	36		
Test Average	1740	40	1835	1669
LSD0.10	182	1	168	121
CV(%)	11	3	14	14

TABLE 8. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1601	43	1778	1706
Deltapine DP 1252 B2RF	1947	45	1809	1622
Deltapine DP 1050 B2RF	1788	45	1616	1609
Deltapine DP 1137 B2RF	1666	44	1671	1572
PHY 375 WRF	1778	42	1661	1555
DynaGro DG 2610 B2RF	1736	41	1652	1528
Deltapine DP 1048 B2RF	1519	41	1507	1512
Croplan Genetics CG 3787 B2RF	1871	44	1779	
Phytogen PHY 575 WRF	1693	38	1701	
Phytogen PHY 339 WRF	1733	42	1615	
All-Tex Nitro 44B2RF	1671	39	1586	
Americot AM 1511 B2RF	1604	44	1550	
PhytoGen PX 5538-40 WRF	1895	41		
PhytoGen PX 5540-10 WRF	1871	45		
Americot NG 5315 B2RF	1854	44		
Deltapine MON 12R242 B2R2	1827	42		
PhytoGen PX 3003-10 WRF	1819	43		
PhytoGen PX 4444-13 WRF	1809	43		
PhytoGen PHY 333 WRF	1798	42		
Deltapine DP 1219 B2RF	1747	42		
PhytoGen PX 5403-01 WRF	1725	43		
PhytoGen PX 4433-27 WRF	1712	40		
PhytoGen PX 4444-14 WRF	1673	42		
Bayer ST 6448 GLB2	1651	41		
PhytoGen PX 4433-25 WRF	1539	44		
Test Average	1741	42	1660	1586
LSD0.10	179		141	117
CV(%)	11		12	13

TABLE 9. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>---- lbs/acre ----</i>	
Deltapine DP 1034 B2RF	982	41	1231	1219
PHY 375 WRF	1177	42	1233	1205
PhytoGen PHY 499 WRF	1032	42	1167	1167
Deltapine DP 0912 B2RF	1007	39	1106	1126
Americot AM 1511 B2RF	947	41	1057	1090
PhytoGen PHY 367 WRF	985	40	1067	1068
Americot AM 1550 B2RF	903	40	962	1016
PhytoGen PHY 333 WRF	1122	42	1251	
Phytogen PHY 339 WRF	1131	42	1224	
Deltapine DP 1048 B2RF	1068	42	1220	
Croplan Genetics CG 3428 B2RF	1010	42	1204	
Deltapine DP 1321 B2RF	992	41	1094	
Fiber Max FM 1944 GLB2	919	38	1078	
PhytoGen PX 4444-13 WRF	1237	44		
PhytoGen PX 3003-10 WRF	1123	43		
PhytoGen PX 4444-14 WRF	1109	43		
DynaGro CT 13414	1029	42		
All-Tex DG CT 12353 B2RF	1017	41		
Bayer ST 4946 GLB2	973	40		
Deltapine MON 12R224 B2R2	963	39		
PhytoGen PX 4433-27 WRF	962	41		
Deltapine DP 1212 B2RF	945	39		
PhytoGen PX 4433-25 WRF	944	41		
DynaGro 2285 B2RF	878	38		
All-Tex DGX CR108788 B2RF	719	37		
Test Average	1007	41	1146	1127
LSD0.10	89	1	86	98
CV(%)	10	3	11	16

TABLE 10. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2013.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	968	44	1194	1359
PHY 375 WRF	1118	43	1210	1274
Deltapine DP 1137 B2RF	967	41	1273	1250
Deltapine DP 1048 B2RF	966	41	1235	1244
DynaGro DG 2610 B2RF	903	40	1177	1148
Deltapine DP 1252 B2RF	987	44	1253	1145
Deltapine DP 1050 B2RF	927	44	1155	1114
Croplan Genetics CG 3787 B2RF	1020	43	1249	
Phytogen PHY 575 WRF	1092	40	1232	
Phytogen PHY 339 WRF	986	42	1159	
Americot AM 1511 B2RF	895	42	1049	
All-Tex Nitro 44B2RF	806	40	968	
PhytoGen PX 3003-10 WRF	1124	43		
Bayer ST 6448 GLB2	1049	41		
PhytoGen PX 4444-13 WRF	1042	44		
PhytoGen PX 5538-40 WRF	1024	43		
PhytoGen PHY 333 WRF	1018	42		
PhytoGen PX 4444-14 WRF	1012	43		
PhytoGen PX 5540-10 WRF	990	45		
PhytoGen PX 4433-27 WRF	985	42		
Deltapine DP 1219 B2RF	961	41		
Deltapine MON 12R242 B2R2	912	43		
PhytoGen PX 4433-25 WRF	860	42		
Americot NG 5315 B2RF	819	41		
PhytoGen PX 5403-01 WRF	718	41		
Test Average	966	42	1179	1219
LSD0.10	98		77	80
CV(%)	11		10	12

TABLE 11. PERFORMANCE OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013†.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	2104	44	2018	1823
Deltapine DP 1034 B2RF	2075	45	1884	1680
PHY 375 WRF	2068	43	1903	1656
Americot AM 1511 B2RF	1852	44	1684	1612
Deltapine DP 0912 B2RF	1896	41	1736	1610
Americot AM 1550 B2RF	1952	42	1831	1587
PhytoGen PHY 367 WRF	1712	41	1662	1533
Phytogen PHY 339 WRF	2138	42	1910	
PhytoGen PHY 333 WRF	2043	44	1881	
Deltapine DP 1048 B2RF	1927	43	1722	
Fiber Max FM 1944 GLB2	1643	39	1659	
Deltapine DP 1321 B2RF	1770	41	1621	
Croplan Genetics CG 3428 B2RF	1658	42	1555	
DynaGro CT 13414	2158	45		
PhytoGen PX 4444-13 WRF	2110	44		
Bayer ST 4946 GLB2	2061	42		
PhytoGen PX 4444-14 WRF	2043	43		
DynaGro 2285 B2RF	1988	42		
PhytoGen PX 3003-10 WRF	1979	43		
Deltapine MON 12R224 B2R2	1975	40		
Deltapine DP 1212 B2RF	1838	40		
PhytoGen PX 4433-25 WRF	1783	42		
All-Tex DG CT 12353 B2RF	1771	42		
PhytoGen PX 4433-27 WRF	1682	40		
All-Tex DGX CR108788 B2RF	1626	38		
Test Average	1914	42	1774	1643
LSD0.10	175		120	94
CV(%)	10		10	10

† This trial received 0.06 inches of irrigation water

TABLE 12. PERFORMANCE OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013[†].

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
PhytoGen PHY 499 WRF	1716	45	1796	1621
Deltapine DP 1137 B2RF	1617	45	1678	1504
Deltapine DP 1252 B2RF	1781	48	1735	1494
Deltapine DP 1048 B2RF	1496	44	1638	1485
Deltapine DP 1050 B2RF	1631	46	1665	1460
PHY 375 WRF	1554	42	1632	1429
DynaGro DG 2610 B2RF	1554	45	1575	1413
Croplan Genetics CG 3787 B2RF	1707	44	1771	
Phytogen PHY 339 WRF	1627	44	1690	
Americot AM 1511 B2RF	1570	44	1635	
All-Tex Nitro 44B2RF	1621	42	1534	
Phytogen PHY 575 WRF	1446	41	1509	
PhytoGen PX 4444-13 WRF	1837	45		
PhytoGen PX 4444-14 WRF	1710	44		
PhytoGen PX 3003-10 WRF	1692	42		
Americot NG 5315 B2RF	1623	46		
PhytoGen PX 5540-10 WRF	1565	46		
PhytoGen PHY 333 WRF	1532	44		
Deltapine MON 12R242 B2R2	1484	43		
PhytoGen PX 5403-01 WRF	1482	45		
Bayer ST 6448 GLB2	1448	44		
PhytoGen PX 5538-40 WRF	1432	42		
PhytoGen PX 4433-25 WRF	1429	42		
Deltapine DP 1219 B2RF	1429	43		
PhytoGen PX 4433-27 WRF	1332	42		
Test Average	1573	44	1655	1487
LSD0.10	130		89	66
CV(%)	9		8	8

† This trial received 0.06 inches of irrigation water

TABLE 13. PERFORMANCE OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013[†].

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	<i>%</i>	<i>----- lbs/acre -----</i>	
PhytoGen PHY 499 WRF	1399	43	1850	2103
Deltapine DP 1034 B2RF	1424	44	1890	2045
Deltapine DP 0912 B2RF	1511	40	1670	1888
Americot AM 1511 B2RF	1192	44	1651	1858
PHY 375 WRF	1330	42	1592	1828
Americot AM 1550 B2RF	1321	43	1602	1776
PhytoGen PHY 367 WRF	1083	42	1465	1678
Phytogen PHY 339 WRF	1785	43	2041	
PhytoGen PHY 333 WRF	1328	41	1847	
Deltapine DP 1048 B2RF	1349	43	1787	
Fiber Max FM 1944 GLB2	1362	39	1728	
Deltapine DP 1321 B2RF	1319	43	1677	
Croplan Genetics CG 3428 B2RF	1199	43	1652	
PhytoGen PX 4444-13 WRF	1709	45		
PhytoGen PX 3003-10 WRF	1681	44		
PhytoGen PX 4444-14 WRF	1572	43		
Bayer ST 4946 GLB2	1418	41		
PhytoGen PX 4433-27 WRF	1393	40		
Deltapine MON 12R224 B2R2	1371	40		
All-Tex DG CT 12353 B2RF	1323	42		
DynaGro CT 13414	1318	45		
PhytoGen PX 4433-25 WRF	1311	43		
Deltapine DP 1212 B2RF	1309	40		
DynaGro 2285 B2RF	1261	41		
All-Tex DGX CR108788 B2RF	1182	38		
Test Average	1378	42	1727	1882
LSD0.10	197		151	108
CV(%)	16		13	10

[†] This trial received **no** irrigation water. Excessive rainfall and poor drainage on irrigation trials WGS reduced yields.

TABLE 14. PERFORMANCE OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013†.

Variety	2013 lint		Average lint yld	
	yield	percentage	2-yr	3-yr
	<i>lbs/acre</i>	%	<i>----- lbs/acre ----</i>	
Deltapine DP 1137 B2RF	1545	43	1863	2028
Deltapine DP 1252 B2RF	1620	44	1909	2020
Deltapine DP 1050 B2RF	1424	43	1798	1961
PhytoGen PHY 499 WRF	1596	43	1845	1959
Deltapine DP 1048 B2RF	1593	45	1866	1915
DynaGro DG 2610 B2RF	1391	43	1754	1909
PHY 375 WRF	1470	43	1590	1725
Phytogen PHY 575 WRF	1485	39	1882	
Americot AM 1511 B2RF	1381	44	1861	
Phytogen PHY 339 WRF	1546	42	1858	
Croplan Genetics CG 3787 B2RF	1527	44	1768	
All-Tex Nitro 44B2RF	1240	40	1574	
PhytoGen PX 5540-10 WRF	1656	45		
Americot NG 5315 B2RF	1649	44		
PhytoGen PX 3003-10 WRF	1634	43		
PhytoGen PX 4444-13 WRF	1629	43		
Bayer ST 6448 GLB2	1603	41		
PhytoGen PX 4444-14 WRF	1553	43		
PhytoGen PX 4433-25 WRF	1549	43		
PhytoGen PX 5538-40 WRF	1523	42		
PhytoGen PX 5403-01 WRF	1521	43		
PhytoGen PHY 333 WRF	1500	42		
Deltapine MON 12R242 B2R2	1446	44		
Deltapine DP 1219 B2RF	1392	42		
PhytoGen PX 4433-27 WRF	1364	41		
Test Average	1513	43	1797	1931
LSD0.10	173		142	115
CV(%)	12		12	11

† This trial received **no** irrigation water. Excessive rainfall and poor drainage on irrigation trials WGS reduced yields.

TABLE 15. PERFORMANCE OF EARLY SEASON FLEX RR COTTON VARIETIES IN ALABAMA, AVERAGE OF ALL LOCATIONS, 2011-2013

Variety	Lint yield			Lint percentage		
	2013	2-yr	3-yr	2013	2-yr	3-yr
	----- <i>lbs/acre</i> -----			----- % -----		
PhytoGen PHY 499 WRF	1338	1444	1426	43	44	44
PHY 375 WRF	1393	1386	1363	42	42	42
Deltapine DP 1034 B2RF	1287	1374	1349	43	43	43
Deltapine DP 0912 B2RF	1291	1314	1328	40	41	41
Americot AM 1511 B2RF	1247	1263	1300	42	43	43
Americot AM 1550 B2RF	1278	1258	1244	41	41	41
PhytoGen PHY 367 WRF	1292	1247	1219	41	41	41
PhytoGen PHY 333 WRF	1511	1550		43	43	
Deltapine DP 1048 B2RF	1385	1378		43	43	
Phytogen PHY 339 WRF	1324	1322		42	42	
Fiber Max FM 1944 GLB2	1216	1308		39	40	
Croplan Genetics CG 3428 B2RF	1196	1294		43	43	
Deltapine DP 1321 B2RF	1256	1288		41	41	
PhytoGen PX 3003-10 WRF	1531			44		
PhytoGen PX 4444-13 WRF	1441			43		
PhytoGen PX 4444-14 WRF	1396			43		
DynaGro CT 13414	1366			44		
PhytoGen PX 4433-27 WRF	1325			41		
Bayer ST 4946 GLB2	1259			40		
All-Tex DG CT 12353 B2RF	1253			41		
DynaGro 2285 B2RF	1248			40		
Deltapine MON 12R224 B2R2	1246			40		
Deltapine DP 1212 B2RF	1221			40		
PhytoGen PX 4433-25 WRF	1188			42		
All-Tex DGX CR108788 B2RF	1034			38		
Test Average	1301	1340	1318	41	42	42
LSD0.10	26	67	63			
CV(%)	5	17	20			

TABLE 16. PERFORMANCE OF FULL SEASON FLEX RR COTTON VARIETIES IN ALABAMA, AVERAGE OF ALL LOCATIONS, 2011-2013

Variety	Lint yield			Lint percentage		
	2013	2-yr	3-yr	2013	2-yr	3-yr
	----- lbs/acre-----			----- % -----		
PhytoGen PHY 499 WRF	1323	1462	1477	44	44	44
PHY 375 WRF	1379	1398	1377	43	43	43
Deltapine DP 1252 B2RF	1406	1456	1371	45	45	45
Deltapine DP 1050 B2RF	1323	1388	1360	44	44	44
Deltapine DP 1137 B2RF	1285	1377	1347	43	44	43
Deltapine DP 1048 B2RF	1288	1352	1331	43	43	43
DynaGro DG 2610 B2RF	1279	1357	1302	43	43	43
Croplan Genetics CG 3787 B2RF	1415	1446		44	44	
Phytogen PHY 339 WRF	1349	1404		42	42	
Phytogen PHY 575 WRF	1250	1330		40	40	
Americot AM 1511 B2RF	1249	1304		43	43	
All-Tex Nitro 44B2RF	1170	1184		40	40	
PhytoGen PX 3003-10 WRF	1434			43		
PhytoGen PHY 333 WRF	1397			43		
PhytoGen PX 4444-13 WRF	1339			44		
PhytoGen PX 5538-40 WRF	1325			42		
PhytoGen PX 5540-10 WRF	1319			45		
PhytoGen PX 4444-14 WRF	1318			43		
PhytoGen PX 4433-27 WRF	1301			41		
Deltapine MON 12R242 B2R2	1288			43		
Americot NG 5315 B2RF	1267			43		
PhytoGen PX 4433-25 WRF	1236			43		
Deltapine DP 1219 B2RF	1172			42		
Bayer ST 6448 GLB2	1172			40		
PhytoGen PX 5403-01 WRF	1100			43		
Test Average	1295	1371	1366	43	43	44
LSD0.10	31	86	66			
CV(%)	6	22	21			

TABLE 17. RELATIVE YIELD RANKINGS BY LOCATION OF EARLY SEASON FLEX RR COTTON VARIETIES, 2013.

Variety	Belle Mina		Prattville		Tallassee		Fairhope		Headland	
	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank
All-Tex DG CT 12353 B2RF	1718	18	1384	15	330	25	1017	10	1815	8
All-Tex DGX CR108788 B2RF	1576	24	1008	25	367	24	719	25	1499	25
Americot AM 1511 B2RF	1787	15	1289	19	572	12	947	19	1640	18
Americot AM 1550 B2RF	1663	21	1471	4	702	5	903	23	1651	16
Bayer ST 4946 GLB2	1655	22	1418	8	616	9	973	16	1631	20
Croplan Genetics CG 3428 B2RF	1778	16	1085	24	478	21	1010	11	1629	21
Deltapine DP 0912 B2RF	1906	6	1269	21	489	20	1007	12	1786	10
Deltapine DP 1034 B2RF	1803	13	1480	3	571	13	982	15	1599	22
Deltapine DP 1048 B2RF	2041	1	1405	10	498	19	1068	7	1914	2
Deltapine DP 1212 B2RF	1794	14	1156	23	576	11	945	20	1632	19
Deltapine DP 1321 B2RF	1868	11	1291	18	555	15	992	13	1575	23
Deltapine MON 12R224 B2R2	1692	19	1392	14	460	22	963	17	1721	13
DynaGro 2285 B2RF	1830	12	1228	22	653	7	878	24	1650	17
DynaGro CT 13414	1976	4	1412	9	604	10	1029	9	1808	9
Fiber Max FM 1944 GLB2	1674	20	1276	20	510	18	919	22	1700	14
PHY 375 WRF	1904	8	1451	7	534	17	1177	2	1898	3
PhytoGen PHY 333 WRF	1954	5	1631	2	963	1	1122	5	1887	4
PhytoGen PHY 367 WRF	1721	17	1324	16	747	4	985	14	1681	15
PhytoGen PHY 499 WRF	1876	9	1403	11	554	16	1032	8	1824	5
PhytoGen PX 3003-10 WRF	1906	7	1655	1	767	3	1123	4	2203	1
PhytoGen PX 3122-40 WRF	1954	5	1631	2	963	1	1122	5	1887	4
PhytoGen PX 4433-25 WRF	1550	25	1314	17	563	14	944	21	1570	24
PhytoGen PX 4433-27 WRF	1591	23	1466	6	830	2	962	18	1776	11
PhytoGen PX 4444-13 WRF	2029	2	1466	5	652	8	1237	1	1822	6
PhytoGen PX 4444-14 WRF	1992	3	1401	12	664	6	1109	6	1816	7
Phytogen PHY 339 WRF	1871	10	1398	13	448	23	1131	3	1772	12
Test Average	1806		1363		588		1007		1740	
CV(%)	7		12		25		10		11	
LSD0.10	111		146		132		89		182	

TABLE 18. RELATIVE YIELD RANKINGS BY LOCATION OF FULL SEASON FLEX RR COTTON VARIETIES, 2013.

Variety	Belle Mina		Prattville		Tallassee		Fairhope		Headland	
	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank	lbs/acre	Rank
All-Tex Nitro 44B2RF	1654	16	1142	25	580	17	806	24	1671	19
Americot AM 1511 B2RF	1745	10	1399	19	602	14	895	21	1604	22
Americot NG 5315 B2RF	1745	12	1418	16	497	21	819	23	1854	5
Bayer ST 6448 GLB2	1554	21	1211	22	395	24	1049	4	1651	21
Croplan Genetics CG 3787 B2RF	1870	4	1529	6	785	5	1020	7	1871	4
Deltapine DP 1048 B2RF	1778	6	1412	17	766	6	966	16	1519	25
Deltapine DP 1050 B2RF	1887	3	1355	20	660	12	927	18	1788	10
Deltapine DP 1137 B2RF	1637	19	1483	9	672	10	967	15	1666	20
Deltapine DP 1219 B2RF	1536	23	1193	24	424	23	961	17	1747	12
Deltapine DP 1252 B2RF	1892	2	1458	13	744	7	987	11	1947	1
Deltapine MON 12R242 B2R2	1647	18	1435	15	617	13	912	19	1827	6
DynaGro DG 2610 B2RF	1709	13	1473	10	572	19	903	20	1736	13
PHY 375 WRF	1746	8	1564	3	688	9	1118	2	1778	11
PhytoGen PHY 333 WRF	1746	9	1557	4	868	1	1018	8	1798	9
PhytoGen PHY 499 WRF	1745	11	1569	2	732	8	968	14	1601	23
PhytoGen PX 3003-10 WRF	1697	14	1728	1	804	4	1124	1	1819	7
PhytoGen PX 4433-25 WRF	1487	24	1468	11	826	3	860	22	1539	24
PhytoGen PX 4433-27 WRF	1548	22	1405	18	854	2	985	13	1712	16
PhytoGen PX 4444-13 WRF	1761	7	1548	5	532	20	1042	5	1809	8
PhytoGen PX 4444-14 WRF	1781	5	1464	12	660	11	1012	9	1673	18
PhytoGen PX 5322-11 WRF	1659	15	1338	21	468	22	1092	3	1693	17
PhytoGen PX 5403-01 WRF	1470	25	1206	23	383	25	718	25	1725	15
PhytoGen PX 5538-40 WRF	1624	20	1491	8	589	16	1024	6	1895	2
PhytoGen PX 5540-10 WRF	1649	17	1511	7	573	18	990	10	1871	3
Phytogen PHY 339 WRF	1976	1	1449	14	602	15	986	12	1733	14
Phytogen PHY 575 WRF	1659	15	1338	21	468	22	1092	3	1693	17
Test Average	1702		1432		636		966		1741	
CV(%)	7		9		17		11		11	
LSD0.10	104		117		100		98		179	

TABLE 19. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	4.5	1.15	31.5	83.8
All-Tex DGX CR108788 B2RF	3.9	1.15	29.8	84.4
Americot AM 1511 B2RF	4.2	1.17	30.5	84.2
Americot AM 1550 B2RF	3.9	1.14	27.5	84.5
Bayer ST 4946 GLB2	4.3	1.20	31.0	84.8
Croplan Genetics CG 3428 B2RF	4.3	1.20	30.5	83.9
Deltapine DP 0912 B2RF	4.4	1.14	28.2	84.6
Deltapine DP 1034 B2RF	4.5	1.15	29.1	84.0
Deltapine DP 1048 B2RF	4.2	1.15	28.1	83.7
Deltapine DP 1212 B2RF	4.6	1.19	30.9	84.7
Deltapine DP 1321 B2RF	4.2	1.19	31.0	84.8
Deltapine MON 12R224 B2R2	3.6	1.19	31.3	84.7
DynaGro 2285 B2RF	4.3	1.19	28.9	84.3
DynaGro CT 13414	4.6	1.12	26.9	84.2
Fiber Max FM 1944 GLB2	3.7	1.19	31.0	83.8
PHY 375 WRF	4.3	1.11	28.2	83.0
PhytoGen PHY 333 WRF	4.0	1.21	30.4	85.3
Phytogen PHY 339 WRF	4.0	1.19	29.7	84.7
PhytoGen PHY 367 WRF	3.8	1.20	30.3	85.2
PhytoGen PHY 499 WRF	4.1	1.15	32.7	85.1
PhytoGen PX 3003-10 WRF	3.9	1.09	30.5	82.2
PhytoGen PX 4433-25 WRF	3.4	1.14	28.8	83.7
PhytoGen PX 4433-27 WRF	3.4	1.16	30.7	83.0
PhytoGen PX 4444-13 WRF	3.2	1.28	29.7	85.4
PhytoGen PX 4444-14 WRF	3.7	1.19	29.3	85.8
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, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.3	1.24	30.4	83.7
Americot AM 1511 B2RF	4.0	1.13	29.9	83.1
Americot NG 5315 B2RF	4.3	1.14	29.0	83.2
Bayer ST 6448 GLB2	3.6	1.19	28.3	82.2
Croplan Genetics CG 3787 B2RF	4.5	1.14	28.6	83.5
Deltapine DP 1048 B2RF	4.2	1.16	29.4	83.4
Deltapine DP 1050 B2RF	4.4	1.15	28.9	84.0
Deltapine DP 1137 B2RF	4.1	1.14	27.4	83.5
Deltapine DP 1219 B2RF	3.8	1.19	31.2	82.1
Deltapine DP 1252 B2RF	4.7	1.11	27.1	84.0
Deltapine MON 12R242 B2R2	3.9	1.16	27.7	84.7
DynaGro DG 2610 B2RF	4.2	1.13	28.0	83.4
PHY 375 WRF	4.5	1.13	25.9	83.1
PhytoGen PHY 333 WRF	3.6	1.17	30.1	83.8
Phytogen PHY 339 WRF	3.8	1.16	29.6	83.9
PhytoGen PHY 499 WRF	4.1	1.15	28.9	82.6
Phytogen PHY 575 WRF	3.3	1.21	28.3	82.7
PhytoGen PX 3003-10 WRF	3.7	1.08	29.2	82.7
PhytoGen PX 4433-25 WRF	3.6	1.15	27.3	83.5
PhytoGen PX 4433-27 WRF	3.5	1.13	28.9	83.1
PhytoGen PX 4444-13 WRF	3.9	1.25	29.0	85.3
PhytoGen PX 4444-14 WRF	3.4	1.16	30.6	83.2
PhytoGen PX 5403-01 WRF	3.9	1.17	29.4	83.5
PhytoGen PX 5538-40 WRF	3.5	1.17	30.0	84.2
PhytoGen PX 5540-10 WRF	3.7	1.14	29.7	83.1

TABLE 21. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT PRATTVILLE, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	4.8	1.06	28.1	82.5
All-Tex DGX CR108788 B2RF	4.1	1.13	30.7	84.4
Americot AM 1511 B2RF	5.0	1.10	29.1	83.1
Americot AM 1550 B2RF	4.7	1.09	26.0	82.7
Bayer ST 4946 GLB2	4.7	1.13	31.3	83.5
Croplan Genetics CG 3428 B2RF	4.6	1.17	28.8	84.0
Deltapine DP 0912 B2RF	5.1	1.05	28.0	82.7
Deltapine DP 1034 B2RF	4.7	1.11	27.9	82.3
Deltapine DP 1048 B2RF	4.2	1.15	29.1	83.3
Deltapine DP 1212 B2RF	4.9	1.15	30.1	83.5
Deltapine DP 1321 B2RF	4.8	1.12	27.6	84.5
Deltapine MON 12R224 B2R2	4.3	1.14	29.1	84.0
DynaGro 2285 B2RF	4.6	1.15	27.6	82.6
DynaGro CT 13414	4.8	1.10	27.9	83.3
Fiber Max FM 1944 GLB2	4.5	1.20	30.8	83.8
PHY 375 WRF	4.1	1.09	26.6	82.6
PhytoGen PHY 333 WRF	4.3	1.16	29.0	84.7
Phytogen PHY 339 WRF	4.4	1.15	28.6	83.3
PhytoGen PHY 367 WRF	4.1	1.15	30.6	83.3
PhytoGen PHY 499 WRF	4.5	1.13	29.4	84.2
PhytoGen PX 3003-10 WRF	5.3	1.11	27.8	84.0
PhytoGen PX 4433-25 WRF	3.9	1.12	27.9	84.2
PhytoGen PX 4433-27 WRF	4.2	1.12	27.7	83.3
PhytoGen PX 4444-13 WRF	3.7	1.23	31.0	84.7
PhytoGen PX 4444-14 WRF	3.9	1.15	28.5	84.7
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, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.9	1.23	34.4	84.3
Americot AM 1511 B2RF	4.8	1.11	29.2	84.1
Americot NG 5315 B2RF	4.7	1.13	27.5	83.4
Bayer ST 6448 GLB2	4.4	1.16	29.9	82.3
Croplan Genetics CG 3787 B2RF	4.6	1.12	27.9	82.9
Deltapine DP 1048 B2RF	4.8	1.12	28.4	82.9
Deltapine DP 1050 B2RF	4.4	1.13	29.2	83.2
Deltapine DP 1137 B2RF	4.8	1.10	26.7	84.2
Deltapine DP 1219 B2RF	4.6	1.14	31.9	82.4
Deltapine DP 1252 B2RF	5.0	1.12	27.7	83.6
Deltapine MON 12R242 B2R2	4.8	1.12	27.4	83.7
DynaGro DG 2610 B2RF	4.9	1.11	26.7	83.7
PHY 375 WRF	4.0	1.12	27.5	82.8
PhytoGen PHY 333 WRF	4.3	1.16	29.4	83.9
Phytogen PHY 339 WRF	3.9	1.18	29.5	83.8
PhytoGen PHY 499 WRF	4.6	1.13	32.8	83.1
Phytogen PHY 575 WRF	4.0	1.21	29.5	83.4
PhytoGen PX 3003-10 WRF	4.6	1.10	30.7	82.2
PhytoGen PX 4433-25 WRF	4.0	1.14	27.7	84.0
PhytoGen PX 4433-27 WRF	4.5	1.12	29.5	83.6
PhytoGen PX 4444-13 WRF	3.9	1.23	31.5	84.2
PhytoGen PX 4444-14 WRF	3.8	1.16	30.8	82.9
PhytoGen PX 5403-01 WRF	4.3	1.14	28.6	82.7
PhytoGen PX 5538-40 WRF	4.3	1.14	29.7	84.1
PhytoGen PX 5540-10 WRF	4.3	1.11	29.0	83.3

TABLE 23. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	4.9	1.10	31.7	83.7
All-Tex DGX CR108788 B2RF	4.3	1.10	30.7	81.8
Americot AM 1511 B2RF	4.4	1.06	29.2	81.7
Americot AM 1550 B2RF	4.4	1.04	26.9	81.9
Bayer ST 4946 GLB2	4.4	1.10	29.2	82.5
Croplan Genetics CG 3428 B2RF	4.1	1.11	27.9	82.0
Deltapine DP 0912 B2RF	4.0	1.03	27.4	81.5
Deltapine DP 1034 B2RF	4.5	1.13	28.7	82.6
Deltapine DP 1048 B2RF	4.6	1.15	29.4	83.5
Deltapine DP 1212 B2RF	4.3	1.14	30.3	83.2
Deltapine DP 1321 B2RF	4.9	1.09	30.7	83.9
Deltapine MON 12R224 B2R2	4.0	1.10	28.3	82.1
DynaGro 2285 B2RF	3.9	1.05	27.6	81.9
DynaGro CT 13414	4.5	1.06	27.4	82.4
Fiber Max FM 1944 GLB2	4.7	1.15	31.9	82.5
PHY 375 WRF	4.3	1.08	27.8	82.8
PhytoGen PHY 333 WRF	3.9	1.11	28.7	83.1
Phytogen PHY 339 WRF	3.6	1.11	28.8	82.7
PhytoGen PHY 367 WRF	4.2	1.09	31.1	82.0
PhytoGen PHY 499 WRF	4.3	1.06	30.8	82.5
PhytoGen PX 3003-10 WRF	5.3	1.06	27.9	82.6
PhytoGen PX 4433-25 WRF	3.8	1.10	30.6	82.0
PhytoGen PX 4433-27 WRF	4.6	1.10	29.9	83.2
PhytoGen PX 4444-13 WRF	3.8	1.24	32.9	84.9
PhytoGen PX 4444-14 WRF	4.3	1.16	30.3	83.3

TABLE 24. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT TALLASSEE, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.8	1.17	32.9	83.7
Americot AM 1511 B2RF	4.0	1.08	29.9	82.3
Americot NG 5315 B2RF	4.8	1.14	29.1	84.5
Bayer ST 6448 GLB2	4.2	1.17	30.0	82.8
Croplan Genetics CG 3787 B2RF	4.3	1.09	28.2	82.6
Deltapine DP 1048 B2RF	4.5	1.09	27.4	83.9
Deltapine DP 1050 B2RF	4.5	1.11	27.9	83.3
Deltapine DP 1137 B2RF	4.8	1.10	27.8	83.0
Deltapine DP 1219 B2RF	4.5	1.11	30.4	82.9
Deltapine DP 1252 B2RF	4.9	1.08	27.6	83.9
Deltapine MON 12R242 B2R2	4.7	1.06	27.5	81.2
DynaGro DG 2610 B2RF	4.8	1.10	28.6	82.4
PHY 375 WRF	3.8	1.04	27.6	82.2
PhytoGen PHY 333 WRF	4.0	1.13	28.8	83.4
Phytogen PHY 339 WRF	3.5	1.14	31.1	83.3
PhytoGen PHY 499 WRF	4.8	1.06	30.2	82.8
Phytogen PHY 575 WRF	3.8	1.16	27.8	84.2
PhytoGen PX 3003-10 WRF	4.6	1.07	28.2	82.4
PhytoGen PX 4433-25 WRF	4.1	1.11	30.0	83.0
PhytoGen PX 4433-27 WRF	4.3	1.12	32.3	83.9
PhytoGen PX 4444-13 WRF	3.2	1.20	31.4	84.1
PhytoGen PX 4444-14 WRF	4.0	1.13	29.7	84.4
PhytoGen PX 5403-01 WRF	4.0	1.11	28.9	82.6
PhytoGen PX 5538-40 WRF	4.0	1.08	28.8	83.1
PhytoGen PX 5540-10 WRF	3.6	1.06	31.6	81.9

TABLE 25. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	5.3	1.16	32.4	83.8
All-Tex DGX CR108788 B2RF	4.5	1.16	30.8	83.8
Americot AM 1511 B2RF	4.6	1.16	30.7	84.4
Americot AM 1550 B2RF	5.0	1.21	30.9	85.3
Bayer ST 4946 GLB2	5.1	1.19	32.8	84.9
Croplan Genetics CG 3428 B2RF	4.7	1.20	30.3	84.5
Deltapine DP 0912 B2RF	4.8	1.17	31.1	84.3
Deltapine DP 1034 B2RF	5.1	1.17	28.9	84.3
Deltapine DP 1048 B2RF	5.0	1.19	30.2	84.2
Deltapine DP 1212 B2RF	5.1	1.21	30.6	85.0
Deltapine DP 1321 B2RF	4.3	1.19	31.3	84.9
Deltapine MON 12R224 B2R2	4.3	1.19	29.8	85.1
DynaGro 2285 B2RF	4.9	1.14	29.9	82.9
DynaGro CT 13414	4.6	1.16	28.7	84.4
Fiber Max FM 1944 GLB2	5.1	1.19	32.8	85.1
PHY 375 WRF	4.7	1.16	31.5	84.2
PhytoGen PHY 333 WRF	4.8	1.21	30.8	85.3
Phytogen PHY 339 WRF	4.5	1.22	30.6	85.6
PhytoGen PHY 367 WRF	4.3	1.16	31.3	84.1
PhytoGen PHY 499 WRF	5.3	1.17	32.9	85.6
PhytoGen PX 3003-10 WRF	5.0	1.18	31.4	85.0
PhytoGen PX 4433-25 WRF	4.2	1.12	29.4	82.0
PhytoGen PX 4433-27 WRF	4.9	1.17	29.9	84.5
PhytoGen PX 4444-13 WRF	4.0	1.26	29.7	84.7
PhytoGen PX 4444-14 WRF	4.4	1.20	30.9	85.5

TABLE 26. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.1	1.28	32.1	85.3
Americot AM 1511 B2RF	5.1	1.14	32.4	84.1
Americot NG 5315 B2RF	4.8	1.15	29.0	83.5
Bayer ST 6448 GLB2	4.9	1.24	31.4	84.6
Croplan Genetics CG 3787 B2RF	4.8	1.14	27.6	83.8
Deltapine DP 1048 B2RF	4.7	1.25	30.5	84.9
Deltapine DP 1050 B2RF	4.1	1.20	30.5	84.0
Deltapine DP 1137 B2RF	5.1	1.16	29.2	83.2
Deltapine DP 1219 B2RF	5.2	1.18	30.6	84.4
Deltapine DP 1252 B2RF	5.3	1.14	29.8	84.1
Deltapine MON 12R242 B2R2	5.1	1.13	27.6	84.2
DynaGro DG 2610 B2RF	4.8	1.18	29.7	84.8
PHY 375 WRF	4.5	1.18	30.8	84.2
PhytoGen PHY 333 WRF	4.7	1.18	29.4	84.5
Phytogen PHY 339 WRF	4.6	1.21	30.7	84.9
PhytoGen PHY 499 WRF	5.0	1.15	30.9	84.6
Phytogen PHY 575 WRF	4.7	1.16	31.3	83.4
PhytoGen PX 3003-10 WRF	5.3	1.14	29.7	84.0
PhytoGen PX 4433-25 WRF	4.5	1.23	30.7	84.2
PhytoGen PX 4433-27 WRF	5.0	1.14	30.9	84.0
PhytoGen PX 4444-13 WRF	4.9	1.14	29.2	82.4
PhytoGen PX 4444-14 WRF	4.8	1.16	30.5	85.0
PhytoGen PX 5403-01 WRF	4.3	1.26	32.7	84.9
PhytoGen PX 5538-40 WRF	4.5	1.17	30.5	84.8
PhytoGen PX 5540-10 WRF	4.9	1.14	32.5	84.8

TABLE 27. COTTON FIBER ANALYSIS, HVI, OF EARLY SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	4.9	1.12	30.3	83.7
All-Tex DGX CR108788 B2RF	4.4	1.10	30.8	83.1
Americot AM 1511 B2RF	4.7	1.06	28.6	82.5
Americot AM 1550 B2RF	4.6	1.09	28.2	84.0
Bayer ST 4946 GLB2	4.7	1.16	32.1	85.0
Croplan Genetics CG 3428 B2RF	4.4	1.18	29.1	84.5
Deltapine DP 0912 B2RF	4.9	1.10	27.4	84.5
Deltapine DP 1034 B2RF	4.7	1.15	26.1	85.2
Deltapine DP 1048 B2RF	4.5	1.13	27.1	84.1
Deltapine DP 1212 B2RF	5.0	1.18	28.1	84.3
Deltapine DP 1321 B2RF	4.8	1.11	28.8	84.6
Deltapine MON 12R224 B2R2	3.9	1.15	30.0	84.1
DynaGro 2285 B2RF	4.6	1.13	28.0	84.0
DynaGro CT 13414	4.8	1.12	26.7	85.3
Fiber Max FM 1944 GLB2	4.9	1.20	31.8	85.4
PHY 375 WRF	4.5	1.12	28.8	83.7
PhytoGen PHY 333 WRF	4.0	1.19	31.0	85.0
Phytogen PHY 339 WRF	4.2	1.14	30.4	83.1
PhytoGen PHY 367 WRF	4.4	1.14	30.6	83.4
PhytoGen PHY 499 WRF	4.8	1.16	30.3	85.1
PhytoGen PX 3003-10 WRF	4.7	1.09	29.1	82.7
PhytoGen PX 4433-25 WRF	4.4	1.11	29.0	83.4
PhytoGen PX 4433-27 WRF	4.7	1.10	29.4	84.8
PhytoGen PX 4444-13 WRF	4.0	1.28	30.8	86.4
PhytoGen PX 4444-14 WRF	4.0	1.15	31.4	83.9

TABLE 28. COTTON FIBER ANALYSIS, HVI, OF FULL SEASON FLEX RR COTTON VARIETIES AT FAIRHOPE, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.9	1.27	30.9	85.6
Americot AM 1511 B2RF	4.8	1.08	27.8	83.0
Americot NG 5315 B2RF	4.4	1.14	26.6	84.3
Bayer ST 6448 GLB2	4.9	1.14	27.7	83.5
Croplan Genetics CG 3787 B2RF	4.8	1.13	27.1	83.9
Deltapine DP 1048 B2RF	4.4	1.14	29.0	83.7
Deltapine DP 1050 B2RF	4.6	1.15	27.2	83.7
Deltapine DP 1137 B2RF	5.0	1.11	26.5	83.4
Deltapine DP 1219 B2RF	4.4	1.16	30.4	83.5
Deltapine DP 1252 B2RF	4.9	1.11	26.9	84.2
Deltapine MON 12R242 B2R2	4.7	1.13	26.1	84.8
DynaGro DG 2610 B2RF	4.6	1.14	27.7	83.9
PHY 375 WRF	4.7	1.12	29.8	83.9
PhytoGen PHY 333 WRF	4.7	1.17	29.5	85.0
Phytogen PHY 339 WRF	4.3	1.15	28.2	83.1
PhytoGen PHY 499 WRF	4.8	1.10	31.0	84.0
Phytogen PHY 575 WRF	4.6	1.23	28.1	84.8
PhytoGen PX 3003-10 WRF	5.0	1.07	28.8	82.4
PhytoGen PX 4433-25 WRF	4.3	1.10	29.4	83.5
PhytoGen PX 4433-27 WRF	5.1	1.10	29.1	84.5
PhytoGen PX 4444-13 WRF	3.7	1.23	30.8	84.9
PhytoGen PX 4444-14 WRF	4.4	1.14	30.1	84.7
PhytoGen PX 5403-01 WRF	4.1	1.16	30.8	84.3
PhytoGen PX 5538-40 WRF	4.6	1.10	29.9	84.3
PhytoGen PX 5540-10 WRF	4.7	1.12	29.8	84.6

TABLE 29. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	4.5	1.15	31.3	83.9
All-Tex DGX CR108788 B2RF	3.1	1.13	30.9	82.9
Americot AM 1511 B2RF	4.2	1.13	30.1	82.7
Americot AM 1550 B2RF	3.7	1.12	28.3	82.3
Bayer ST 4946 GLB2	3.4	1.14	32.1	82.8
Croplan Genetics CG 3428 B2RF	4.2	1.15	30.0	82.7
Deltapine DP 0912 B2RF	3.9	1.09	29.8	82.7
Deltapine DP 1034 B2RF	4.2	1.13	28.0	83.3
Deltapine DP 1048 B2RF	3.9	1.16	30.6	83.0
Deltapine DP 1212 B2RF	3.7	1.19	31.7	84.4
Deltapine DP 1321 B2RF	4.0	1.15	30.6	83.1
Deltapine MON 12R224 B2R2	3.4	1.16	28.8	83.9
DynaGro 2285 B2RF	3.4	1.17	29.9	83.2
DynaGro CT 13414	4.5	1.10	28.0	83.0
Fiber Max FM 1944 GLB2	3.6	1.17	29.1	82.3
PHY 375 WRF	3.7	1.13	27.4	83.0
PhytoGen PHY 333 WRF	3.8	1.16	30.3	83.7
Phytogen PHY 339 WRF	3.6	1.22	29.5	84.6
PhytoGen PHY 367 WRF	3.3	1.14	30.9	82.8
PhytoGen PHY 499 WRF	4.1	1.12	32.3	83.8
PhytoGen PX 3003-10 WRF	3.9	1.09	27.9	81.7
PhytoGen PX 4433-25 WRF	3.2	1.13	26.5	82.1
PhytoGen PX 4433-27 WRF	3.2	1.11	28.6	81.8
PhytoGen PX 4444-13 WRF	3.1	1.22	32.4	84.0
PhytoGen PX 4444-14 WRF	3.6	1.15	31.1	82.9

TABLE 30. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT BELLE MINA, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	3.4	1.19	32.0	82.8
Americot AM 1511 B2RF	3.9	1.15	31.0	83.9
Americot NG 5315 B2RF	4.7	1.12	27.5	82.7
Bayer ST 6448 GLB2	4.0	1.19	29.5	81.9
Croplan Genetics CG 3787 B2RF	4.5	1.15	27.8	85.0
Deltapine DP 1048 B2RF	4.0	1.16	29.4	83.3
Deltapine DP 1050 B2RF	4.2	1.11	28.2	82.4
Deltapine DP 1137 B2RF	4.5	1.10	26.7	81.3
Deltapine DP 1219 B2RF	4.0	1.17	31.8	82.9
Deltapine DP 1252 B2RF	4.6	1.10	27.1	82.8
Deltapine MON 12R242 B2R2	3.9	1.14	27.9	83.2
DynaGro DG 2610 B2RF	4.4	1.12	27.9	82.8
PHY 375 WRF	3.9	1.15	28.9	83.0
PhytoGen PHY 333 WRF	3.4	1.16	31.1	82.9
Phytogen PHY 339 WRF	3.5	1.14	31.2	82.7
PhytoGen PHY 499 WRF	4.3	1.14	30.8	83.6
Phytogen PHY 575 WRF	3.2	1.17	29.7	83.1
PhytoGen PX 3003-10 WRF	3.5	1.09	29.4	81.9
PhytoGen PX 4433-25 WRF	3.1	1.14	30.1	82.5
PhytoGen PX 4433-27 WRF	3.6	1.14	29.7	83.1
PhytoGen PX 4444-13 WRF	3.2	1.22	32.0	82.6
PhytoGen PX 4444-14 WRF	3.5	1.17	29.6	83.3
PhytoGen PX 5403-01 WRF	4.4	1.20	29.8	82.8
PhytoGen PX 5538-40 WRF	3.7	1.16	29.7	84.2
PhytoGen PX 5540-10 WRF	3.5	1.12	31.7	82.9

TABLE 31. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED EARLY SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex DG CT 12353 B2RF	5.1	1.14	31.8	83.1
All-Tex DGX CR108788 B2RF	4.6	1.14	31.5	83.2
Americot AM 1511 B2RF	5.3	1.16	30.4	84.4
Americot AM 1550 B2RF	4.9	1.12	28.6	83.1
Bayer ST 4946 GLB2	5.1	1.12	30.4	83.3
Croplan Genetics CG 3428 B2RF	4.0	1.19	29.5	83.4
Deltapine DP 0912 B2RF	5.4	1.09	29.8	83.2
Deltapine DP 1034 B2RF	5.0	1.13	29.2	82.8
Deltapine DP 1048 B2RF	5.2	1.17	30.4	85.0
Deltapine DP 1212 B2RF	5.4	1.19	32.2	84.6
Deltapine DP 1321 B2RF	5.2	1.15	29.1	83.8
Deltapine MON 12R224 B2R2	4.7	1.18	30.8	84.7
DynaGro 2285 B2RF	5.1	1.16	28.9	84.5
DynaGro CT 13414	5.1	1.12	27.8	83.4
Fiber Max FM 1944 GLB2	5.1	1.20	33.9	84.3
PHY 375 WRF	4.8	1.11	29.8	82.7
PhytoGen PHY 333 WRF	4.9	1.16	29.9	83.8
Phytogen PHY 339 WRF	4.6	1.17	30.4	83.9
PhytoGen PHY 367 WRF	4.7	1.16	32.1	84.5
PhytoGen PHY 499 WRF	5.2	1.14	32.7	85.1
PhytoGen PX 3003-10 WRF	5.1	1.12	30.3	83.3
PhytoGen PX 4433-25 WRF	4.7	1.17	32.2	84.3
PhytoGen PX 4433-27 WRF	5.0	1.17	32.3	84.4
PhytoGen PX 4444-13 WRF	4.2	1.28	30.1	85.5
PhytoGen PX 4444-14 WRF	4.6	1.17	31.3	84.1

TABLE 32. COTTON FIBER ANALYSIS, HVI, OF IRRIGATED FULL SEASON FLEX RR COTTON VARIETIES AT HEADLAND, ALABAMA, 2013.

Variety	Micronaire <i>units</i>	Length <i>in.</i>	Strength <i>g/tex</i>	Uniformity <i>pct.</i>
All-Tex Nitro 44B2RF	4.1	1.18	32.1	83.9
Americot AM 1511 B2RF	5.3	1.09	30.2	82.2
Americot NG 5315 B2RF	5.2	1.17	28.7	84.5
Bayer ST 6448 GLB2	4.6	1.17	30.7	82.5
Croplan Genetics CG 3787 B2RF	5.0	1.16	28.2	84.4
Deltapine DP 1048 B2RF	5.0	1.11	27.1	83.2
Deltapine DP 1050 B2RF	5.2	1.17	27.9	85.0
Deltapine DP 1137 B2RF	4.9	1.12	27.6	84.1
Deltapine DP 1219 B2RF	4.7	1.20	34.8	84.5
Deltapine DP 1252 B2RF	5.3	1.13	26.2	84.9
Deltapine MON 12R242 B2R2	5.2	1.13	26.8	83.9
DynaGro DG 2610 B2RF	5.0	1.14	29.1	83.3
PHY 375 WRF	4.8	1.12	27.2	83.7
PhytoGen PHY 333 WRF	5.1	1.09	29.9	82.6
Phytogen PHY 339 WRF	4.9	1.16	29.1	84.6
PhytoGen PHY 499 WRF	5.3	1.12	30.6	83.9
Phytogen PHY 575 WRF	4.5	1.28	29.5	85.3
PhytoGen PX 3003-10 WRF	4.9	1.13	28.1	83.2
PhytoGen PX 4433-25 WRF	4.6	1.12	30.0	84.1
PhytoGen PX 4433-27 WRF	4.9	1.13	29.8	83.8
PhytoGen PX 4444-13 WRF	4.0	1.28	31.2	85.1
PhytoGen PX 4444-14 WRF	4.7	1.19	31.6	85.4
PhytoGen PX 5403-01 WRF	5.0	1.21	30.7	85.4
PhytoGen PX 5538-40 WRF	4.9	1.16	33.2	85.4
PhytoGen PX 5540-10 WRF	4.8	1.15	31.8	84.6

TABLE 33. GROWING SEASON RAINFALL, 2011-2013

Test location	Year	Monthly rainfall (inches)							7-month total
		Mar.	Apr.	May	June	July	Aug.	Sept.	
Belle Mina	2013	5.6	5.3	6.5	3.3	9.8	2.2	4.2	36.9
	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
Tallassee	2013	3.2	3.9	2.2	11.9	7.2	6.8	2.8	38.0
	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
Prattville	2013	3.0	4.5	1.9	5.6	7.5	5.5	4.6	32.6
	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
Headland	2013	3.7	4.8	1.1	5.5	16.1	10.8	3.9	45.9
	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
Fairhope	2013	1.6	4.0	9.4	8.9	16.7	8.7	1.9	51.2
	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

TABLE 34. SOIL TYPES, PLANTING DATES, AND HARVEST DATES FOR 2013 COTTON TRIALS

Location	Soil Type	Test	Planting Date	Harvest Date
Belle Mina	Decatur silt loam	Early Season Flex	May 9	October 9
		Full Season Flex	May 9	October 9
		Irrigated Early Season Flex	May 13	October 14
		Irrigated Full Season Flex	May 13	October 15
Prattville	Lucedale fine sandy loam	Early Season Flex	April 29	October 14
		Full Season Flex	April 29	October 15
Tallassee	Wickham fine sandy loam	Early Season Flex	May 2	October 15
		Full Season Flex	May 2	October 15
Headland	Dothan sandy loam	Early Season Flex	May 10	November 14
		Full Season Flex	May 10	November 14
		Irrigated Early Season Flex	May 13	November 11
		Irrigated Full Season Flex	May 13	November 11
Fairhope	Malbis fine sandy loam	Early Season Flex	May 16	October 16
		Full Season Flex	May 16	October 16

TABLE 35. SOURCES OF SEED FOR THE 2013 COTTON VARIETY TRIALS**Delta and Pine Land Co., Scott, Mississippi**

Deltapine DP 0912 B2RF	Deltapine DP 1219 B2RF
Deltapine DP 1034 B2RF	Deltapine DP 1252 B2RF
Deltapine DP 1048 B2RF	Deltapine DP 1321 B2RF
Deltapine DP 1050 B2RF	MON 12R224 B2R2
Deltapine DP 1137 B2RF	MON 12R242 B2R2
Deltapine DP 1212 B2RF	

Bayer Crop Sciences, Lubbock, Texas

Bayer ST 4946GLB2	FiberMax FM 1944 GLB2
Bayer ST 6448GLB2	

PhytoGen Seed Company, Collierville, Tennessee

PhytoGen PHY 333 WRF	PX 4433-25 WRF
PhytoGen PHY 339 WRF (formerly PX 4339-6 WRF)	PX 4433-27 WRF
PhytoGen PHY 367 WRF	PX 4444-13 WRF
PhytoGen PHY 375 WRF	PX 4444-14 WRF
PhytoGen PHY 499 WRF	PX 5403-01 WRF
PhytoGen PHY 575 WRF (formerly PX 5322-11 WRF)	PX 5530-40 WRF
PX3003-10 WRF	PX 5540-10 WRF

Americot, Inc., Lubbock, Texas

AM 1550 B2RF
NG 1511 B2RF
NG 5315 B2RF

Crop Production Services, Kinston, Alabama

DynaGro 2285 B2RF	DynaGro CT13414
DynaGro 2610 B2RF	(All-Tex) DG CT12353 B2RF
(All-Tex) DG Nitro 44 B2RF	(All-Tex) DGX CR108788 B2RF

Winfield Solutions LLC, Frisco, Texas

Croplan Genetics CG 3428 B2RF
Croplan Genetics CG 3787 B2RF