

Performance of Cotton Varieties in Alabama, 2016

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Performance of Cotton Varieties in Alabama, 2016

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

Methods

Varieties in early and full season trials were arranged in a randomized complete block experimental design with 4 replications. Plot size was 4 rows, 36- to 38-inches wide, and 20 to 25 feet long. Trials were managed according to the location and local practices (Table 1). All tests were fertilized according to soil test recommendations. Varieties were harvested utilizing a mechanical picker from the center 2 rows of each plot. Seed cotton weights were recorded, samples ginned for turnout, and fiber quality was determined by the USDA Cotton Classing Office in Macon, Georgia.

Seed cotton samples were ginned on a 10-saw laboratory gin without lint cleaners, therefore lint turnout is higher than can be expected when processed by a commercial gin with cleaners. However, differences between varieties are relative.

Table 1. Soil type, planting date and harvest date for cotton variety trials, 2016

Location	Soil Type	Test	Planting Date	Harvest Date
Belle Mina	Decatur silt loam	Early Season Flex	May 11	October 12
		Full Season Flex	May 3	October 4
		Irrigated Early Season Flex	May 11	October 11
		Irrigated Full Season Flex	May 3	October 11
Prattville	Lucedale fine sandy loam	Early Season Flex	May 11	November 2
		Full Season Flex	May 4	October 27
		Irrigated Early Season Flex	May 11	October 18
		Irrigated Full Season Flex	May 3	October 14
Tallassee	Wickham fine sandy loam	Early Season Flex	May 16	October 31
		Full Season Flex	May 6	October 31
Headland	Dothan sandy loam	Early Season Flex	May 25	October 25
		Full Season Flex	May 25	October 25
		Irrigated Early Season Flex	May 11	October 26
		Irrigated Full Season Flex	May 11	October 26
Fairhope	Malbis fine sandy loam	Early Season Flex	May 16	October 3
		Full Season Flex	May 5	October 3

Tables

**Abbreviations: REC, Research and Extension Center; ARU, Agricultural Research Unit*

2016 Cotton Variety Yield Performance

Table 1. Soil type, planting date, and harvest date for cotton variety trials, 2016

Non-irrigated trials, north Alabama

Table 2. Performance of Early Season Cotton Varieties in North Alabama (TVREC), 2016

Table 3. Performance of Full Season Cotton Varieties in North Alabama (TVREC), 2016

Non-irrigated trials, central Alabama

Table 4. Performance of Early Season Cotton Varieties in Central Alabama (PARU), 2016

Table 5. Performance of Full Season Cotton Varieties in Central Alabama (PARU), 2016

Table 6. Performance of Early Season Cotton Varieties in Central Alabama (EVS PBU), 2016

Table 7. Performance of Full Season Cotton Varieties in Central Alabama (EVS PBU), 2016

Non-irrigated trials, south Alabama

Table 8. Performance of Early Season Cotton Varieties in South Alabama (GCREC), 2016

Table 9. Performance of Full Season Cotton Varieties in South Alabama (GCREC), 2016

Table 10. Performance of Early Season Cotton Varieties in Southeast Alabama (WGREC), 2016

Table 11. Performance of Full Season Cotton Varieties in Southeast Alabama (WGREC), 2016

Irrigated trials, north Alabama

Table 12. Performance of Early Season Cotton Varieties in North Alabama (TVREC), 2016

Table 13. Performance of Full Season Cotton Varieties in North Alabama (TVREC), 2016

Irrigated trials, central Alabama

Table 14. Performance of Early Season Cotton Varieties in Central Alabama (PARU), 2016

Table 15. Performance of Full Season Cotton Varieties in Central Alabama (PARU), 2016

Irrigated trials, south Alabama

Table 16. Performance of Early Season Cotton Varieties in Southeast AL (WGREC), 2016

Table 17. Performance of Full Season Cotton Varieties in Southeast AL (WGREC), 2016

Precipitation and seed sources

Table 18. Growing season precipitation in Alabama, 2016

Table 19. Sources of Seed for the 2016 Cotton Variety Trials

Table 2. Performance of Non-Irrigated, Early Season Cotton Varieties in North Alabama, 2016

Tennessee Valley REC - Belle Mina, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 312 WRF	0.45	1842	4.9	1.16	28.8	84.5
Deltapine DP 1252 B2RF	0.46	1816	5.2	1.16	29.2	84.7
PhytoGen PHY 499 WRF	0.45	1795	4.9	1.14	32.6	84.1
PhytoGen PHY 333 WRF	0.44	1784	4.5	1.18	31.0	83.0
Deltapine DP 1518 B2XF	0.44	1764	4.6	1.15	28.8	83.6
Bayer ST 4848GLT	0.47	1759	5.3	1.14	30.2	83.3
PhytoGen PHY 444 WRF	0.43	1744	3.9	1.26	32.2	83.7
Americot NG 3522 B2XF	0.45	1732	4.9	1.12	27.9	82.6
PhytoGen PHY 495 W3RF	0.46	1730	4.8	1.13	30.7	84.5
PhytoGen PHY 487 WRF	0.43	1722	5.2	1.12	27.6	82.4
Croplan Genetics 3475 B2XF	0.43	1701	5.2	1.15	28.9	83.9
Americot NG 3406 B2XF	0.43	1674	4.8	1.16	30.7	83.5
Deltapine DP 1614 B2XF	0.46	1660	4.9	1.20	30.5	83.3
Bayer ST 6182GLT	0.48	1653	5.0	1.15	28.6	83.1
Croplan Winfield 16XA7B2XF	0.46	1646	5.2	1.17	29.0	83.4
Deltapine DP 1522 B2XF	0.44	1634	5.2	1.15	30.6	83.8
Bayer ST 4946 GLB2	0.47	1621	5.1	1.15	28.6	84.2
DynaGro DG 3526B2XF	0.46	1613	5.1	1.16	27.7	84.8
Bayer ST 4747GLB2	0.42	1558	4.9	1.19	29.1	83.0
Deltapine MON 16R229B2XF	0.44	1529	5.0	1.12	29.0	83.0
Americot NG 3405 B2XF	0.45	1469	4.8	1.13	27.3	83.4
Americot AMX1604B2XF	0.43	1430	5.1	1.16	31.8	83.0
Deltapine MON 15R513B2XF	0.43	1417	5.2	1.20	29.3	84.9
Trial mean		1665				
LSD (0.1)		234				
CV (%)		12				
Pr>F		0.1255				

Table 3. Performance of Non-Irrigated, Full Season Cotton Varieties in North Alabama, 2016

Tennessee Valley REC - Belle Mina, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 444 WRF	0.45	1392	4.5	1.24	31.6	85.5
Deltapine DP 1646 B2XF	0.45	1390	5.0	1.21	28.9	83.5
PhytoGen PHY 487 WRF	0.45	1377	5.1	1.07	27.9	81.3
Bayer ST 6182GLT	0.47	1376	4.9	1.16	29.1	83.6
PhytoGen PHY 552 WRF	0.45	1376	4.6	1.16	32.6	84.7
Deltapine MON 16R247NRB2XF	0.48	1376	5.2	1.17	33.0	84.1
Deltapine DP 1558NR B2RF	0.46	1365	5.2	1.16	33.1	83.5
DynaGro CPS 16654	0.47	1362	5.0	1.22	30.1	82.9
Deltapine DP 1553 B2XF	0.46	1355	4.9	1.19	29.4	83.4
PhytoGen PHY 495 W3RF	0.46	1349	4.9	1.13	32.2	84.7
Deltapine DP 1555 B2RF	0.48	1325	4.8	1.18	31.5	83.9
Croplan Genetics 3885 B2XF	0.44	1315	4.8	1.14	28.9	83.5
PhytoGen PHY 499 WRF	0.45	1315	5.2	1.12	31.2	84.3
DynaGro DG 3757B2XF	0.47	1312	5.0	1.14	28.7	82.7
Deltapine MON 16R251NRB2XF	0.45	1286	4.7	1.22	32.1	83.4
Bayer ST 4946 GLB2	0.47	1271	5.0	1.13	30.2	83.8
Deltapine DP 1538 B2XF	0.45	1263	4.9	1.10	27.7	83.4
Deltapine DP 1252 B2RF	0.47	1262	4.7	1.14	28.8	83.3
Deltapine MON 15R535B2XF	0.47	1256	4.6	1.14	31.2	83.0
PhytoGen PHY 575 WRF	0.43	1228	4.6	1.18	29.7	83.9
PhytoGen PHY 333 WRF	0.46	1183	4.8	1.16	29.3	83.3
Deltapine DP 1639 B2XF	0.46	1177	5.4	1.16	31.6	84.4
Bayer ST 4848GLT	0.46	1174	5.4	1.16	31.3	83.9
Americot AMX1601B2XF	0.46	1162	5.3	1.18	32.9	84.1
Bayer ST 4747GLB2	0.45	1156	5.0	1.16	28.9	81.6
Americot NG 5007 B2XF	0.47	1129	5.1	1.12	28.0	82.4
Bayer BX1739GLT	0.46	979	5.3	1.21	32.6	83.7
Trial mean		1278				
LSD (0.1)		171				
CV (%)		11				
Pr>F		0.0118				

Table 4. Performance of Non-Irrigated, Early Season Cotton Varieties in Central Alabama, 2016

Prattville Agricultural Research Unit - Prattville, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 487 WRF	0.46	1301	5.5	1.06	28.3	80.8
Deltapine DP 1252 B2RF	0.46	1156	5.2	1.08	29.4	82.4
PhytoGen PHY 499 WRF	0.45	1087	5.0	1.08	31.7	83.1
Americot NG 3405 B2XF	0.43	1082	4.9	1.03	26.5	80.5
Deltapine DP 1522 B2XF	0.41	1070	5.2	1.07	29.5	82.0
Americot NG 3406 B2XF	0.44	1062	5.1	1.04	27.7	81.8
Deltapine MON 15R513B2XF	0.42	1060	5.4	1.11	29.0	82.8
Bayer ST 6182GLT	0.49	1042	5.3	1.09	27.9	82.8
Croplan Genetics 3475 B2XF	0.41	1011	5.1	1.05	30.3	82.4
Deltapine DP 1614 B2XF	0.43	1008	5.2	1.10	31.7	82.7
Americot NG 3522 B2XF	0.45	1006	5.2	1.01	25.7	81.1
PhytoGen PHY 444 WRF	0.46	1005	4.5	1.13	31.0	82.4
Croplan Winfield 16XA7B2XF	0.45	992	5.3	1.09	29.7	82.5
PhytoGen PHY 333 WRF	0.44	988	4.8	1.07	29.2	82.5
DynaGro DG 3526B2XF	0.45	986	5.1	1.07	29.0	82.7
PhytoGen PHY 495 W3RF	0.44	981	4.2	1.06	34.8	82.4
Deltapine MON 16R229B2XF	0.44	979	5.3	1.01	28.3	81.4
Deltapine DP 1518 B2XF	0.43	977	5.1	1.06	29.1	81.4
Americot AMX1604B2XF	0.43	939	5.1	1.08	31.1	82.2
Bayer ST 4747GLB2	0.44	936	5.3	1.07	26.4	82.1
PhytoGen PHY 312 WRF	0.42	933	5.0	1.13	30.1	83.4
Bayer ST 4848GLT	0.43	922	4.9	1.08	30.1	82.1
Bayer ST 4946 GLB2	0.46	918	5.1	1.09	29.1	82.0
Trial mean		1019				
LSD (0.1)		163				
CV (%)		14				
Pr>F		0.0895				

Table 5. Performance of Non-Irrigated, Full Season Cotton Varieties in Central Alabama, 2016

Prattville Agricultural Research Unit - Prattville, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 487 WRF	0.46	1181	5.5	1.04	28.1	80.7
Americot NG 5007 B2XF	0.45	1113	4.8	1.06	26.9	82.2
Croplan Genetics 3885 B2XF	0.44	1086	5.0	1.08	29.2	83.2
Deltapine MON 16R247NRB2XF	0.45	1064	5.4	1.07	30.3	82.5
Bayer ST 6182GLT	0.48	1045	5.3	1.12	28.8	88.2
Deltapine DP 1553 B2XF	0.43	1030	4.9	1.15	29.4	82.8
Deltapine DP 1538 B2XF	0.45	1022	4.9	1.07	27.8	82.1
Deltapine MON 16R251NRB2XF	0.43	1005	4.9	1.16	33.6	83.6
PhytoGen PHY 333 WRF	0.46	983	4.7	1.10	30.6	82.8
DynaGro DG 3757B2XF	0.45	979	5.1	1.08	28.0	82.9
Deltapine DP 1639 B2XF	0.47	978	5.3	1.09	31.5	82.9
Deltapine MON 15R535B2XF	0.46	967	4.9	1.13	29.1	82.6
Deltapine DP 1646 B2XF	0.44	959	5.0	1.19	29.8	83.2
Deltapine DP 1252 B2RF	0.45	937	5.3	1.08	29.0	82.8
Bayer ST 4848GLT	0.43	934	5.1	1.09	30.2	82.8
PhytoGen PHY 495 W3RF	0.44	927	5.0	1.08	33.8	82.8
Bayer ST 4747GLB2	0.44	899	5.0	1.09	27.8	81.7
Deltapine DP 1555 B2RF	0.46	885	5.1	1.10	33.2	82.1
DynaGro CPS 16654	0.45	881	5.0	1.15	30.1	82.3
PhytoGen PHY 444 WRF	0.47	864	4.3	1.14	31.9	84.2
PhytoGen PHY 499 WRF	0.43	864	5.1	1.06	33.2	83.3
PhytoGen PHY 575 WRF	0.43	858	4.8	1.10	29.2	82.3
PhytoGen PHY 552 WRF	0.43	855	4.8	1.08	31.2	83.7
Deltapine DP 1558NR B2RF	0.44	832	5.4	1.14	33.1	83.9
Bayer ST 4946 GLB2	0.46	800	5.2	1.06	30.8	83.1
Americot AMX1601B2XF	0.43	754	5.2	1.12	32.1	83.3
Bayer BX1739GLT	0.45	745	5.2	1.14	32.9	82.1
Trial mean		942				
LSD (0.1)		174				
CV (%)		16				
Pr>F		0.0063				

Table 6. Performance of Non-Irrigated, Early Season Cotton Varieties in Central Alabama, 2016

E.V. Smith Plant Breeding Unit - Tallasee, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Deltapine DP 1252 B2RF	0.46	1762	4.7	1.15	29.1	84.4
PhytoGen PHY 444 WRF	0.43	1621	4.0	1.24	31.2	85.6
PhytoGen PHY 333 WRF	0.44	1610	4.5	1.18	30.1	84.7
PhytoGen PHY 312 WRF	0.43	1421	4.7	1.19	32.5	85.1
Bayer ST 4747GLB2	0.42	1337	4.5	1.17	28.7	83.2
Croplan Winfield 16XA7B2XF	0.45	1325	5.0	1.19	29.6	84.7
Croplan Genetics 3475 B2XF	0.43	1273	4.8	1.13	30.4	83.8
Bayer ST 4848GLT	0.45	1242	4.3	1.14	30.2	83.3
PhytoGen PHY 499 WRF	0.46	1185	4.6	1.10	30.3	83.5
PhytoGen PHY 487 WRF	0.41	1138	4.4	1.13	28.3	82.9
PhytoGen PHY 495 W3RF	0.44	1024	4.1	1.09	30.3	83.6
Deltapine DP 1518 B2XF	0.43	1021	4.4	1.13	28.6	83.6
Americot NG 3405 B2XF	0.43	990	4.4	1.11	27.4	83.1
Americot NG 3522 B2XF	0.44	976	4.2	1.10	27.1	83.3
Bayer ST 4946 GLB2	0.45	970	4.4	1.12	28.8	83.8
DynaGro DG 3526B2XF	0.45	960	4.5	1.12	27.8	83.6
Bayer ST 6182GLT	0.46	930	4.2	1.12	28.3	83.0
Deltapine MON 15R513B2XF	0.43	919	4.6	1.17	29.5	84.0
Deltapine MON 16R229B2XF	0.44	906	5.1	1.11	29.6	82.8
Deltapine DP 1614 B2XF	0.44	899	4.8	1.19	30.3	84.9
Americot NG 3406 B2XF	0.44	891	4.5	1.13	29.7	84.3
Americot AMX1604B2XF	0.42	879	4.4	1.12	29.9	83.1
Deltapine DP 1522 B2XF	0.44	869	4.6	1.11	30.0	83.2
Trial mean		1139				
LSD (0.1)		434				
CV (%)		32				
Pr>F		0.0105				

Table 7. Performance of Non-Irrigated, Full Season Cotton Varieties in Central Alabama, 2016

E.V. Smith Plant Breeding Unit - Tallassee, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Americot AMX1601B2XF	0.44	1392	5.0	1.16	32.7	84.4
Americot NG 5007 B2XF	0.43	1629	4.5	1.13	27.3	82.6
Bayer BX1739GLT	0.44	1682	4.8	1.19	33.6	83.2
Bayer ST 4747GLB2	0.42	2017	4.8	1.17	28.8	82.3
Bayer ST 4848GLT	0.45	1450	4.2	1.19	29.3	83.7
Bayer ST 4946 GLB2	0.46	1417	4.3	1.10	28.7	83.3
Bayer ST 6182GLT	0.48	1322	4.2	1.14	26.9	83.6
Croplan Genetics 3885 B2XF	0.43	1664	4.5	1.11	29.0	83.1
Deltapine DP 1252 B2RF	0.46	1971	4.8	1.16	28.6	84.7
Deltapine DP 1538 B2XF	0.45	1834	4.9	1.09	26.2	83.5
Deltapine DP 1553 B2XF	0.44	1680	4.6	1.17	29.5	83.3
Deltapine DP 1555 B2RF	0.45	1888	4.6	1.18	32.1	84.2
Deltapine DP 1558NR B2RF	0.44	1630	4.9	1.15	30.9	83.3
Deltapine DP 1639 B2XF	0.45	1506	4.6	1.16	30.3	83.5
Deltapine DP 1646 B2XF	0.46	1452
Deltapine MON 15R535B2XF	0.46	1831	4.8	1.14	29.1	82.4
Deltapine MON 16R247NRB2XF	0.46	1680	5.2	1.13	31.8	82.9
Deltapine MON 16R251NRB2XF	0.45	1991	5.0	1.21	30.4	83.5
DynaGro CPS 16654	0.44	1493	4.4	1.13	30.3	84.1
DynaGro DG 3757B2XF	0.45	1921	4.8	1.12	28.6	83.1
PhytoGen PHY 333 WRF	0.44	1495	4.0	1.17	30.6	82.5
PhytoGen PHY 444 WRF	0.44	1735	4.1	1.22	30.1	85.1
PhytoGen PHY 487 WRF	0.42	1942	5.3	1.13	28.7	83.2
PhytoGen PHY 495 W3RF	0.45	1625	4.5	1.09	32.3	84.4
PhytoGen PHY 499 WRF	0.44	1759	5.0	1.13	31.2	85.8
PhytoGen PHY 552 WRF	0.45	1603	4.5	1.13	30.5	83.1
PhytoGen PHY 575 WRF	0.40	1632	4.5	1.19	30.5	83.4
Trial mean		1676				
LSD (0.1)		343				
CV(%)		17				
Pr>F		0.0196				

Table 8. Performance of Non-Irrigated, Early Season Cotton Varieties in South Alabama, 2016

Gulf Coast REC - Fairhope, AL						
Early Season - Flex						
Cultivar	Lint	Yield	Mic	Len	Str	Unif
	(%/100)	(lbs/Acre)		(inches)	(g/tex)	(%)
PhytoGen PHY 495 W3RF	0.43	1261	4.1	1.11	31.7	84.6
PhytoGen PHY 487 WRF	0.42	1238	4.4	1.13	30.2	83.6
Deltapine DP 1522 B2XF	0.41	1229	4.4	1.11	29.2	84.8
Bayer ST 4747GLB2	0.40	1206	4.1	1.17	30.5	83.3
PhytoGen PHY 312 WRF	0.44	1196	4.1	1.17	29.8	83.6
PhytoGen PHY 499 WRF	0.41	1176	4.3	1.09	29.8	83.6
Americot NG 3406 B2XF	0.43	1137	4.4	1.10	28.0	83.4
Deltapine MON 15R513B2XF	0.40	1135	3.9	1.15	28.0	83.3
Deltapine DP 1518 B2XF	0.40	1131	3.9	1.13	27.8	83.7
PhytoGen PHY 333 WRF	0.42	1118	3.8	1.19	30.2	83.2
Americot NG 3522 B2XF	0.41	1116	3.6	1.07	25.0	82.1
PhytoGen PHY 444 WRF	0.41	1087	3.4	1.27	31.5	84.9
DynaGro DG 3526B2XF	0.40	1086	3.6	1.11	27.8	83.5
Bayer ST 6182GLT	0.46	1081	3.8	1.14	28.8	81.4
Deltapine DP 1252 B2RF	0.44	1070	4.0	1.12	28.5	82.9
Croplan Genetics 3475 B2XF	0.39	1067	4.2	1.11	29.0	83.2
Bayer ST 4848GLT	0.42	1044	4.1	1.14	29.3	83.3
Deltapine MON 16R229B2XF	0.44	962	4.5	1.07	28.5	84.0
Bayer ST 4946 GLB2	0.45	954	4.4	1.11	28.3	83.3
Americot NG 3405 B2XF	0.43	931	3.9	1.07	25.1	82.3
Croplan Winfield 16XA7B2XF	0.42	898	4.1	1.19	29.0	84.1
Americot AMX1604B2XF	0.42	865	3.9	1.12	29.3	82.1
Deltapine DP 1614 B2XF	0.41	855	3.8	1.17	28.0	83.4
Trial mean		1080				
LSD (0.1)		176				
CV (%)		14				
Pr>F		0.0016				

Table 9. Performance of Non-Irrigated, Full Season Cotton Varieties in South Alabama, 2016

Gulf Coast REC - Fairhope, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Deltapine DP 1538 B2XF	0.43	1968	4.2	1.08	28.0	82.4
PhytoGen PHY 495 W3RF	0.48	1919	4.0	1.10	32.5	81.8
Deltapine DP 1252 B2RF	0.48	1916	4.9	1.13	29.4	83.6
Deltapine DP 1646 B2XF	0.46	1820	4.4	1.24	29.8	82.7
Deltapine DP 1639 B2XF	0.48	1795	5.1	1.13	31.4	82.9
DynaGro CPS 16654	0.44	1790	4.3	1.17	29.7	82.3
Deltapine DP 1555 B2RF	0.48	1759	4.6	1.18	29.7	83.9
Deltapine MON 16R247NRB2XF	0.46	1749	4.7	1.13	29.5	82.9
DynaGro DG 3757B2XF	0.46	1732	4.4	1.11	29.4	81.9
PhytoGen PHY 499 WRF	0.43	1717	4.3	1.13	30.9	83.7
Croplan Genetics 3885 B2XF	0.42	1668	4.2	1.13	28.6	82.0
PhytoGen PHY 552 WRF	0.46	1654	4.3	1.14	31.2	83.4
PhytoGen PHY 444 WRF	0.45	1647	4.2	1.22	32.5	83.8
Deltapine MON 15R535B2XF	0.50	1626	4.2	1.15	30.9	82.6
PhytoGen PHY 333 WRF	0.46	1607	3.9	1.13	29.5	82.3
Deltapine DP 1558NR B2RF	0.45	1594	4.7	1.16	29.3	82.8
PhytoGen PHY 487 WRF	0.44	1589	4.4	1.09	28.5	81.0
Americot AMX1601B2XF	0.44	1572	4.9	1.16	33.5	82.5
Bayer BX1739GLT	0.46	1563	4.4	1.21	33.1	83.3
Bayer ST 6182GLT	0.49	1508	4.3	1.13	29.3	82.5
Deltapine MON 16R251NRB2XF	0.46	1502	4.4	1.21	30.4	82.8
Deltapine DP 1553 B2XF	0.47	1434	4.3	1.16	30.4	82.7
Bayer ST 4848GLT	0.44	1430	4.7	1.11	30.6	83.5
Bayer ST 4747GLB2	0.41	1418	4.8	1.16	28.4	82.6
Bayer ST 4946 GLB2	0.46	1295	4.1	1.07	28.3	81.2
Americot NG 5007 B2XF	0.46	1262	4.3	1.13	29.2	81.5
PhytoGen PHY 575 WRF	0.42	1231	3.6	1.20	30.9	83.7
Trial mean		1621				
LSD (0.1)		234				
CV (%)		12				
Pr>F		0.0001				

Table 10. Performance of Non-Irrigated, Early Season Cotton Varieties in Southeast Alabama, 2016

Wiregrass REC - Headland, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Bayer ST 6182GLT	0.47	1604	4.5	1.14	28.3	83.2
PhytoGen PHY 499 WRF	0.44	1400	4.5	1.12	33.2	84.3
Bayer ST 4848GLT	0.45	1380	4.7	1.16	30.2	84.7
PhytoGen PHY 312 WRF	0.42	1351	4.3	1.14	31.5	84.4
PhytoGen PHY 444 WRF	0.44	1312	3.8	1.22	32.0	85.7
PhytoGen PHY 495 W3RF	0.43	1305	4.4	1.06	32.1	84.2
Deltapine MON 16R229B2XF	0.45	1304	5.2	1.10	29.8	83.0
Americot NG 3522 B2XF	0.43	1303	4.4	1.11	27.5	83.0
DynaGro DG 3526B2XF	0.46	1297	4.5	1.12	30.0	83.6
Americot NG 3405 B2XF	0.43	1277	4.3	1.10	27.7	83.4
Croplan Genetics 3475 B2XF	0.41	1267	4.5	1.13	31.1	84.4
PhytoGen PHY 333 WRF	0.42	1233	4.4	1.17	30.8	85.5
Deltapine DP 1522 B2XF	0.42	1232	4.8	1.14	30.9	83.7
Croplan Winfield 16XA7B2XF	0.45	1217	5.0	1.15	29.7	84.4
Bayer ST 4946 GLB2	0.46	1214	4.5	1.11	30.9	82.9
Americot NG 3406 B2XF	0.42	1209	4.2	1.14	30.5	83.8
Americot AMX1604B2XF	0.43	1180	4.3	1.13	29.9	82.2
Deltapine MON 15R513B2XF	0.43	1163	4.6	1.15	30.1	83.6
PhytoGen PHY 487 WRF	0.42	1140	4.6	1.11	29.8	83.4
Deltapine DP 1518 B2XF	0.41	1131	4.5	1.15	29.7	83.7
Deltapine DP 1252 B2RF	0.45	1096	4.8	1.13	29.9	84.4
Bayer ST 4747GLB2	0.42	1092	4.5	1.19	30.2	83.6
Deltapine DP 1614 B2XF	0.43	1072	4.5	1.20	30.9	85.7
Trial mean		1251				
LSD (0.1)		227				
CV (%)		15				
Pr>F		0.0909				

Table 11. Performance of Non-Irrigated, Full Season Cotton Varieties in Southeast Alabama, 2016

Wiregrass REC - Headland, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Deltapine DP 1646 B2XF	0.45	1533	4.2	1.19	28.9	83.2
Americot NG 5007 B2XF	0.42	1457	4.4	1.13	28.0	81.9
PhytoGen PHY 495 W3RF	0.45	1436	4.4	1.10	31.7	84.3
PhytoGen PHY 552 WRF	0.44	1410	4.5	1.14	31.2	84.7
Bayer ST 6182GLT	0.46	1386	4.4	1.15	28.0	84.1
Bayer ST 4848GLT	0.43	1365	4.4	1.13	29.7	83.8
DynaGro CPS 16654	0.44	1359	4.3	1.19	31.1	82.4
Deltapine MON 15R535B2XF	0.46	1347	4.1	1.15	30.1	83.8
PhytoGen PHY 499 WRF	0.43	1344	4.4	1.12	33.2	83.5
Deltapine MON 16R247NRB2XF	0.47	1322	4.5	1.10	31.8	82.0
Deltapine DP 1558NR B2RF	0.42	1253	4.8	1.12	31.4	83.4
PhytoGen PHY 487 WRF	0.41	1251	4.0	1.07	28.7	82.0
Bayer ST 4946 GLB2	0.44	1244	4.6	1.10	30.7	83.3
PhytoGen PHY 444 WRF	0.44	1237	3.8	1.17	32.0	83.8
Deltapine DP 1252 B2RF	0.44	1235	4.4	1.12	28.7	83.4
Deltapine DP 1555 B2RF	0.43	1230	4.4	1.13	31.0	83.6
Deltapine DP 1553 B2XF	0.43	1224	4.5	1.17	29.8	84.0
Americot AMX1601B2XF	0.42	1224	4.8	1.14	34.1	84.0
DynaGro DG 3757B2XF	0.44	1193	4.4	1.09	27.8	82.0
PhytoGen PHY 575 WRF	0.39	1188	3.8	1.16	29.1	82.2
Deltapine DP 1538 B2XF	0.45	1183	4.6	1.09	27.1	83.4
Bayer ST 4747GLB2	0.41	1169	4.3	1.15	29.0	82.9
PhytoGen PHY 333 WRF	0.42	1163	4.2	1.15	28.9	84.0
Croplan Genetics 3885 B2XF	0.44	1157	4.6	1.13	28.4	83.8
Bayer BX1739GLT	0.45	1155	4.4	1.19	31.7	82.6
Deltapine MON 16R251NRB2XF	0.43	1082	4.2	1.16	30.6	82.8
Deltapine DP 1639 B2XF	0.45	1026	5.1	1.12	31.6	84.4
Trial mean		1266				
LSD (0.1)		232				
CV (%)		16				
Pr>F		0.1035				

Table 12. Performance of Irrigated, Early Season Cotton Varieties in North Alabama, 2016

Tennessee Valley REC - Belle Mina, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 312 WRF	0.45	2170	4.6	1.21	30.5	84.1
PhytoGen PHY 333 WRF	0.47	2103	4.7	1.16	29.1	82.6
PhytoGen PHY 487 WRF	0.46	2101	4.4	1.13	29.0	82.1
Deltapine DP 1518 B2XF	0.45	2062	4.4	1.13	29.0	82.1
Bayer ST 4747GLB2	0.45	1969	3.9	1.27	31.7	85.3
Deltapine MON 15R513B2XF	0.45	1942	5.0	1.16	30.9	83.2
PhytoGen PHY 444 WRF	0.45	1930	4.2	1.23	30.7	84.2
Croplan Genetics 3475 B2XF	0.45	1929	5.0	1.11	30.5	83.1
Deltapine DP 1522 B2XF	0.45	1906	5.2	1.14	29.3	83.3
Deltapine DP 1614 B2XF	0.47	1902	5.0	1.17	29.4	83.8
PhytoGen PHY 495 W3RF	0.44	1899	4.5	1.12	31.7	83.4
Deltapine MON 16R229B2XF	0.45	1871	5.3	1.09	27.2	83.3
Americot NG 3405 B2XF	0.45	1865	4.6	1.10	27.8	82.7
Americot NG 3406 B2XF	0.44	1859	4.7	1.16	29.3	83.8
Bayer ST 4946 GLB2	0.47	1856	5.0	1.11	29.9	82.1
Bayer ST 4848GLT	0.46	1848	4.6	1.16	31.8	83.6
Americot NG 3522 B2XF	0.46	1847	4.9	1.10	26.0	82.4
Americot AMX1604B2XF	0.44	1844	5.2	1.12	30.4	82.5
PhytoGen PHY 499 WRF	0.47	1816	4.9	1.14	30.8	84.1
Croplan Winfield 16XA7B2XF	0.47	1806	5.0	1.19	28.7	84.0
Deltapine DP 1252 B2RF	0.47	1721	5.0	1.15	29.0	83.7
Bayer ST 6182GLT	0.49	1714	4.9	1.13	28.5	82.4
DynaGro DG 3526B2XF	0.47	1605	4.6	1.16	28.2	85.1
Trial mean		1894				
LSD (0.1)		146				
CV (%)		7				
Pr>F		0.0001				

Table 13. Performance of Irrigated, Full Season Cotton Varieties in North Alabama, 2016

Tennessee Valley REC - Belle Mina, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
PhytoGen PHY 487 WRF	0.47	2556	5.0	1.09	27.4	81.9
PhytoGen PHY 499 WRF	0.47	2491	4.9	1.12	30.9	84.7
PhytoGen PHY 444 WRF	0.46	2350	4.1	1.26	30.7	85.0
PhytoGen PHY 333 WRF	0.47	2345	4.5	1.17	28.7	83.9
PhytoGen PHY 495 W3RF	0.46	2234	4.7	1.14	32.1	84.8
Deltapine DP 1646 B2XF	0.46	2231	4.6	1.23	28.8	83.9
Bayer ST 4747GLB2	0.45	2231	4.7	1.19	29.6	82.7
Bayer ST 6182GLT	0.49	2218	5.0	1.16	27.7	84.3
Deltapine MON 16R251NRB2XF	0.48	2216	4.7	1.22	29.2	84.2
DynaGro CPS 16654	0.47	2196	4.6	1.26	29.6	84.9
Deltapine MON 15R535B2XF	0.46	2180	4.4	1.19	30.3	84.0
Deltapine MON 16R247NRB2XF	0.47	2172	5.1	1.15	29.9	83.1
Bayer ST 4848GLT	0.47	2172	4.8	1.14	29.7	84.0
Deltapine DP 1538 B2XF	0.47	2161	5.0	1.13	26.1	84.2
Deltapine DP 1639 B2XF	0.48	2123	5.0	1.16	30.3	86.1
DynaGro DG 3757B2XF	0.47	2106	4.7	1.16	28.1	85.2
PhytoGen PHY 552 WRF	0.44	2092	3.9	1.19	30.2	85.4
Croplan Genetics 3885 B2XF	0.46	2064	4.6	1.16	29.4	84.6
Deltapine DP 1252 B2RF	0.47	2064	4.7	1.16	27.6	85.0
Americot NG 5007 B2XF	0.47	2060	4.6	1.14	27.0	83.9
Bayer ST 4946 GLB2	0.48	2051	4.7	1.15	28.6	84.7
Deltapine DP 1553 B2XF	0.46	1951	4.9	1.18	27.5	85.1
Americot AMX1601B2XF	0.46	1943	4.7	1.17	32.2	84.0
Bayer BX1739GLT	0.47	1941	4.7	1.23	31.8	84.0
Deltapine DP 1555 B2RF	0.47	1927	4.3	1.18	32.1	83.9
PhytoGen PHY 575 WRF	0.42	1919	4.5	1.17	28.9	84.0
Deltapine DP 1558NR B2RF	0.46	1919	4.9	1.15	31.2	83.5
Trial mean		2145				
LSD (0.1)		232				
CV (%)		9				
Pr>F		0.0002				

Table 14. Performance of Irrigated, Early Season Cotton Varieties in Central Alabama, 2016

Prattville Agricultural Research Unit - Prattville, AL						
Early Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Deltapine DP 1252 B2RF	0.45	1394	5.1	1.07	27.5	82.7
PhytoGen PHY 499 WRF	0.46	1372	5.1	1.08	31.9	82.8
Americot NG 3522 B2XF	0.44	1325	4.9	1.03	25.9	80.7
Deltapine DP 1518 B2XF	0.43	1302	4.8	1.10	27.1	82.9
Americot NG 3405 B2XF	0.44	1213	4.8	1.09	28.2	83.3
Bayer ST 4848GLT	0.46	1196	5.0	1.07	29.5	83.3
Bayer ST 6182GLT	0.48	1195	5.0	1.10	27.8	83.2
Americot NG 3406 B2XF	0.44	1188	4.8	1.07	28.5	83.2
Deltapine DP 1614 B2XF	0.45	1186	5.4	1.11	29.1	84.4
Americot AMX1604B2XF	0.42	1173	5.0	1.07	30.1	82.3
PhytoGen PHY 444 WRF	0.44	1156	4.2	1.21	31.9	84.6
Deltapine MON 15R513B2XF	0.43	1143	5.0	1.13	30.1	83.6
PhytoGen PHY 487 WRF	0.44	1137	5.2	1.06	27.8	82.1
DynaGro DG 3526B2XF	0.46	1137	4.9	1.07	29.5	83.0
PhytoGen PHY 312 WRF	0.45	1124	5.2	1.11	29.7	83.9
Deltapine MON 16R229B2XF	0.45	1121	5.0	1.05	28.5	82.1
PhytoGen PHY 495 W3RF	0.45	1115	4.7	1.06	31.6	83.8
Bayer ST 4946 GLB2	0.44	1094	4.6	1.08	29.2	82.8
Deltapine DP 1522 B2XF	0.43	1090	5.0	1.08	30.2	82.2
PhytoGen PHY 333 WRF	0.44	1060	4.7	1.12	29.3	83.1
Bayer ST 4747GLB2	0.41	1038	4.8	1.13	29.1	81.5
Croplan Winfield 16XA7B2XF	0.45	1017	5.5	1.10	27.8	82.6
Croplan Genetics 3475 B2XF	0.43	941	5.0	1.09	29.7	82.8
Trial mean		1161				
LSD (0.1)		214				
CV (%)		16				
Pr>F		0.1212				

Table 15. Performance of Irrigated, Full Season Cotton Varieties in Central Alabama, 2016

Prattville Agricultural Research Unit - Prattville, AL						
Full Season - Flex						
Cultivar	Lint	Yield	Mic	Len	Str	Unif
	(%/100)	(lbs/Acre)		(inches)	(g/tex)	(%)
Americot NG 5007 B2XF	0.45	1449	4.7	1.11	27.0	82.1
Deltapine DP 1252 B2RF	0.45	1448	5.0	1.13	27.8	84.0
DynaGro DG 3757B2XF	0.45	1409	5.0	1.09	26.7	82.4
Croplan Genetics 3885 B2XF	0.45	1391	4.9	1.08	27.7	82.5
Deltapine DP 1553 B2XF	0.46	1362	4.7	1.15	28.6	83.7
Deltapine DP 1558NR B2RF	0.45	1338	5.1	1.13	31.4	82.4
PhytoGen PHY 499 WRF	0.45	1335	4.8	1.10	32.2	83.2
Deltapine DP 1639 B2XF	0.46	1325	5.2	1.10	31.1	83.0
PhytoGen PHY 495 W3RF	0.45	1301	4.6	1.06	30.7	82.7
Bayer ST 6182GLT	0.47	1276	5.2	1.11	25.8	82.3
Deltapine MON 16R247NRB2XF	0.46	1275	5.1	1.10	29.9	82.1
PhytoGen PHY 575 WRF	0.43	1257	4.6	1.12	28.9	81.8
Deltapine DP 1555 B2RF	0.46	1245	4.8	1.10	30.1	82.2
Deltapine DP 1538 B2XF	0.45	1207	4.9	1.07	27.9	81.9
PhytoGen PHY 444 WRF	0.45	1205	4.5	1.20	30.7	83.9
PhytoGen PHY 552 WRF	0.43	1197	4.6	1.13	29.1	84.5
PhytoGen PHY 333 WRF	0.46	1178	5.1	1.13	27.6	83.2
Deltapine DP 1646 B2XF	0.45	1168	5.0	1.19	28.2	83.2
PhytoGen PHY 487 WRF	0.44	1164	5.3	1.07	28.9	81.3
Deltapine MON 16R251NRB2XF	0.45	1147	5.1	1.15	29.5	82.7
Bayer BX1739GLT	0.45	1049	5.1	1.17	30.6	83.2
Deltapine MON 15R535B2XF	0.47	1033	4.9	1.10	28.8	82.8
DynaGro CPS 16654	0.47	1024	4.9	1.15	28.6	81.9
Americot AMX1601B2XF	0.43	995	4.9	1.16	31.6	83.4
Bayer ST 4946 GLB2	0.45	983	4.9	1.08	27.5	83.1
Bayer ST 4747GLB2	0.43	974	4.9	1.11	27.2	80.9
Bayer ST 4848GLT	0.44	944	4.5	1.09	27.9	83.0
Trial mean		1210				
LSD (0.1)		234				
CV (%)		16				
Pr>F		0.0021				

Table 16. Performance of Irrigated, Early Season Cotton Varieties in Southeast Alabama, 2016

Wiregrass REC - Headland, AL						
Early Season - Flex						
Cultivar	Lint	Yield	Mic	Len	Str	Unif
	(%/100)	(lbs/Acre)		(inches)	(g/tex)	(%)
Deltapine MON 16R229B2XF	0.45	2189	5.2	1.17	29.9	84.9
Deltapine DP 1518 B2XF	0.39	2061	4.5	1.14	31.0	83.5
Deltapine DP 1522 B2XF	0.40	1896	3.9	1.22	30.8	85.4
Deltapine MON 15R513B2XF	0.39	1883	4.2	1.06	31.7	83.0
PhytoGen PHY 333 WRF	0.40	1870	4.4	1.11	27.9	83.2
PhytoGen PHY 487 WRF	0.41	1868	4.3	1.16	30.6	82.3
Bayer ST 4946 GLB2	0.45	1859	4.1	1.12	29.1	84.4
PhytoGen PHY 444 WRF	0.44	1852	4.9	1.16	30.2	84.5
PhytoGen PHY 312 WRF	0.39	1819	4.7	1.13	28.4	84.8
Americot AMX1604B2XF	0.41	1763	4.6	1.15	28.8	84.2
Bayer ST 4848GLT	0.43	1761	5.2	1.14	31.4	83.8
Deltapine DP 1252 B2RF	0.44	1755	4.2	1.10	28.3	83.1
Americot NG 3522 B2XF	0.42	1751	4.6	1.16	30.8	84.9
Croplan Genetics 3475 B2XF	0.38	1638	4.5	1.11	33.2	84.4
Bayer ST 6182GLT	0.47	1619	3.9	1.11	32.2	83.7
Americot NG 3405 B2XF	0.37	1616	4.8	1.10	28.0	83.5
DynaGro DG 3526B2XF	0.43	1612	4.8	1.16	31.2	84.8
Americot NG 3406 B2XF	0.38	1603	4.8	1.08	29.4	83.7
Croplan Winfield 16XA7B2XF	0.42	1566	4.9	1.16	30.7	84.7
Bayer ST 4747GLB2	0.40	1552	4.5	1.12	32.2	83.5
Deltapine DP 1614 B2XF	0.43	1511	4.5	1.15	30.9	84.6
PhytoGen PHY 495 W3RF	0.38	1490	4.3	1.19	31.4	79.6
PhytoGen PHY 499 WRF	0.39	1452	5.1	1.20	31.2	86.0
Trial mean		1739				
LSD (0.1)		321				
CV (%)		16				
Pr>F		0.0284				

Table 17. Performance of Irrigated, Full Season Cotton Varieties in Southeast Alabama, 2016

Wiregrass REC - Headland, AL						
Full Season - Flex						
Cultivar	Lint (%/100)	Yield (lbs/Acre)	Mic	Len (inches)	Str (g/tex)	Unif (%)
Bayer BX1739GLT	0.45	2054	4.3	1.22	34.3	84.1
Deltapine DP 1555 B2RF	0.44	1996	4.4	1.13	31.5	83.4
PhytoGen PHY 444 WRF	0.43	1974	4.0	1.27	31.9	86.6
Deltapine MON 15R535B2XF	0.44	1932	4.5	1.17	31.4	84.6
Croplan Genetics 3885 B2XF	0.43	1929	4.7	1.13	27.7	84.1
PhytoGen PHY 333 WRF	0.42	1923	4.5	1.15	29.9	84.6
Bayer ST 4848GLT	0.42	1915	4.6	1.14	29.6	84.2
Deltapine DP 1646 B2XF	0.42	1886	3.6	1.22	30.5	84.8
PhytoGen PHY 552 WRF	0.40	1877	4.2	1.16	31.9	85.5
DynaGro CPS 16654	0.44	1872	3.8	1.24	30.4	84.8
Deltapine DP 1538 B2XF	0.44	1853	4.6	1.05	29.8	81.8
Americot AMX1601B2XF	0.41	1823	5.1	1.18	31.7	85.6
Bayer ST 6182GLT	0.46	1813	4.6	1.14	28.3	83.8
Americot NG 5007 B2XF	0.40	1778	4.1	1.12	27.3	82.8
Deltapine DP 1553 B2XF	0.40	1757	4.6	1.15	30.2	83.3
Deltapine MON 16R251NRB2XF	0.44	1756	4.4	1.16	32.4	81.1
Deltapine DP 1558NR B2RF	0.40	1725	5.0	1.15	32.3	84.5
Deltapine MON 16R247NRB2XF	0.44	1714	4.9	1.13	30.7	83.9
Deltapine DP 1639 B2XF	0.42	1708	4.8	1.13	31.1	84.4
PhytoGen PHY 499 WRF	0.43	1694	4.8	1.12	32.1	84.6
DynaGro DG 3757B2XF	0.41	1686	4.6	1.13	27.9	84.9
Deltapine DP 1252 B2RF	0.46	1680	4.8	1.11	28.8	84.6
Bayer ST 4946 GLB2	0.44	1679	4.7	1.15	30.2	84.8
PhytoGen PHY 575 WRF	0.38	1630	4.1	1.21	28.8	84.3
Bayer ST 4747GLB2	0.40	1620	4.2	1.17	30.3	83.4
PhytoGen PHY 487 WRF	0.39	1606	4.2	1.11	27.8	83.4
PhytoGen PHY 495 W3RF	0.40	1421	4.3	1.08	31.1	83.9
Trial mean		1789				
LSD (0.1)		234				
CV (%)		11				
Pr>F		0.0070				

Table 18. Growing season precipitation in Alabama, 2016

Test location	Year	Monthly rainfall (inches)								7-month total
		Mar.	Apr.	May	June	July	Aug.	Sept.		
Belle Mina	2016	3.2	3.8	1.6	1.9	3.1	6.6	0.2	20.4	
	2015	5.7	8.4	5.0	4.1	4.7	7.9	1.6	37.4	
Tallassee	2016	5.7	8.1	2.1	5.7	5.5	6.0	0.9	34.0	
	2015	1.9	5.3	6.1	5.8	4.7	1.4	1.8	27.0	
Prattville	2016	3.2	12.6	2.1	4.2	1.3	5.3	1.4	30.1	
	2015	4.2	5.5	4.6	6.8	7.9	3.0	3.1	35.1	
Headland	2016	4.7	5.8	2.7	5.3	3.8	5.8	1.0	29.1	
	2015	1.8	7.7	4.2	5.5	3.9	7.1	7.4	37.6	
Fairhope	2016	10.1	6.7	2.9	4.4	5.1	8.6	4.1	41.9	
	2015	7.2	10.5	2.7	4.9	6.7	5.4	3.6	41.0	

Irrigation amounts for Irrigated cotton trials		2016
TVREC Irrigated cotton trials:	4.0	inches irrigation water
PARU Irrigated cotton trials:	3.1	inches irrigation water
WGREC Irrigated cotton trials:	3.2	inches irrigation water



Table 19. Sources of Seed for the 2016 Cotton Variety Trials

<u>Monsanto, St Louis, Missouri</u>			
Deltapine DP 1518 B2XF		Deltapine DP 1614 B2XF	
Deltapine DP 1522 B2XF		Deltapine DP 1639 B2XF	
Deltapine DP 1538 B2XF		Deltapine DP 11646 B2XF	
Deltapine DP 1553 B2XF		MON 15R513B2XF	
Deltapine DP 1252 B2RF		MON 15R535B2XF	
Deltapine DP 1555 B2RF		MON 16R229 B2XF	
Deltapine DP 1558NR B2RF		MON 16R247 NR B2XF	
		MON 16R251 NR B2XF	
<u>Bayer Crop Sciences, Tifton, Georgia</u>			
Bayer ST 4747GLB2		Bayer ST 6182GLT	
Bayer ST 4946GLB2		BX 1739GLT	
Bayer ST 4848GLT			
<u>Dow AgroSciences, Shellman, Georgia</u>			
PhytoGen PHY 312 WRF		PhytoGen PHY 499 WRF	
PhytoGen PHY 333 WRF		PhytoGen PHY 552 WRF	
PhytoGen PHY 444 WRF		PhytoGen PHY 575 WRF	
PhytoGen PHY 487 WRF		PhytoGen PHY 495 W3RF	
<u>Americot, Inc., Lubbock, Texas</u>			
NG 3405 B2XF		NG 5007 B2XF	
NG 3406 B2XF		AMX 1601 B2XF * (poor seed quality in 2016)	
NG 3522 B2XF		AMX 1604 B2XF	
<u>Crop Production Services, Kinston, Alabama</u>			
DynaGro DG 3526 B2XF		DynaGro CPS16654	
DynaGro DG 3757 B2XF			
<u>Winfield Solutions LLC, Frisco, Texas</u>			
Croplan Genetics CG 3475 B2XF		Winfield 16XA7B2XF	
Croplan Genetics CG 3885 B2XF			

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