

Preliminary Results

December 19, 2019

Yield Summary of Cotton Varieties, 2019

Company or Brand Name	Variety	Lint yields by testing environment					
		Short-season		Mid-season	Full-season		All tests
		Irrigated	Dryland	Both	Irrigated	Dryland	Both
		-----lb/ac-----					
Americot	AMX 1816 B3XF	1220	1014	1415	.	.	.
Americot	AMX 1818 B3XF	1251	916	1568	.	.	.
Americot	AMX 1828 B3XF	1253	1056	1428	.	.	.
Americot	AMX 19A005 B3XF	1349	1061	1675	.	.	.
Americot	AMX 19A006 B3XF	1370	1201	1618	.	.	.
Americot	NG 3522 B2XF	1343	1143	1548	.	.	.
Americot	NG 3729 B2XF	1413	1094	1644	1023	1160	1274
Americot	NG 3930 B3XF	1183	879	1590	.	.	.
Americot	NG 3994 B3XF	1335	1029	1550	.	.	.
Americot	NG 4936 B3XF	1449	1244	1636	1073	1083	1303
Americot	NG 5711 B3XF	1420	1018	1619	1329	1163	1293
Croplan	CP 3885 B2XF	.	.	1731	1326	1290	.
Croplan	CP 9178 B3XF	1506	1183	1640	.	.	.
Croplan	CP 9210 B3XF	1475	1124	1704	.	.	.
Croplan	CP 9608 B3XF	1422	1283	1628	1295	1281	1387
Croplan	CP 9830 B3XF	.	.	1506	1349	1166	.
Deltapine	18R628NRB3XF	1256	955	1531	.	.	.
Deltapine	DP 1555 B2RF	.	.	1788	1338	1343	.
Deltapine	DP 1646 B2XF	1471	1084	1735	1157	1276	1349
Deltapine	DP 1725 B2XF	1439	1216	1558	.	.	.
Deltapine	DP 1823NR B2XF	1253	981	1419	.	.	.
Deltapine	DP 1835 B3XF	.	.	1757	1219	1254	.
Deltapine	DP 1840 B3XF	.	.	1652	1254	1258	.
Deltapine	DP 1851 B3XF	.	.	1645	1247	1352	.
Deltapine	DP 1916 B3XF	1518	1227	1676	.	.	.
Deltapine	DP 2055 B3XF	1216	1137	1692	1341	1291	1342
Dyna-Gro	DG 3402 B3XF	1372	1122	1585	.	.	.
Dyna-Gro	DG 3470 B3XF	1277	919	1664	.	.	.
Dyna-Gro	DG 3520 B3XF	1229	1181	1654	.	.	.
Dyna-Gro	DG 3526 B2XF	.	.	1610	1181	1103	.
Dyna-Gro	DG 3555 B3XF	1452	1221	1813	.	.	.
Dyna-Gro	DG 3560 B2XF	1449	1138	1629	1322	1357	1378
Dyna-Gro	DG 3605 B2XF	.	.	1726	1328	1144	.
Dyna-Gro	DG 3615 B3XF	.	.	1990	1769	1266	.
Dyna-Gro	DG 3757 B2XF	.	.	1649	1127	1407	.
Dyna-Gro	DG 3799 B3XF	.	.	1988	1588	1559	.
Dyna-Gro	DGX 18503B B3XF	1590	1329	1881	.	.	.
Dyna-Gro	Halo 959 B3XF	1557	1294	1787	.	.	.
Phytogen	PHY 340 W3FE	1270	1094	1534	1132	1209	1255
Phytogen	PHY 350 W3FE	1289	1010	1456	1255	1113	1217
Phytogen	PHY 400 W3FE	1335	1222	1706	1376	1250	1381
Phytogen	PHY 480 W3FE	1365	1128	1642	1290	1257	1338
Phytogen	PHY 500 W3FE	1383	1226	1706	.	.	.
Phytogen	PHY 580 W3FE	1382	1234	1614	.	.	.
Phytogen	PX3C06W3FE	1249	1198	1579	1163	1253	1303
Phytogen	PX3D32W3FE	1353	1184	1609	1199	1342	1347
Phytogen	PX3D43W3FE	1335	1115	1638	1343	1236	1333
Phytogen	PX5C05W3FE	1561	1189	1739	.	.	.
Phytogen	PX5C45W3FE	1505	1192	1907	.	.	.
Phytogen	PX5E28W3FE	1339	1152	1635	.	.	.
Phytogen	PX5E34W3FE	1303	1111	1515	.	.	.

Note: PHY 500 W3FE, PHY 580 W3FE, and the 4 experimental Phytogen varieties appearing in the short-season tests are all full-season varieties. They were entered as full-season varieties, but mistakenly assigned to the short-season tests.

Yield Summary of Cotton Varieties, 2019 (Continued)

		Lint yields by testing environment					
Company or Brand Name	Variety	Short-season		Mid-season	Full-season		All tests
		Irrigated	Dryland	Both	Irrigated	Dryland	Both
		-----lb/ac -----					
Seed Source Genetics	SSG HQ 210 CT	1263	800	1330	.	.	.
Seed Source Genetics	SSG UA 114	1094	902	1487	.	.	.
Seed Source Genetics	SSG UA 222	1201	986	1566	.	.	.
Stoneville	BX 2076GLTP	1521	1188	1640	1192	1232	1354
Stoneville	ST 4550GLTP	1424	1101	1658	1291	1265	1340
Stoneville	ST 5471GLTP	1371	1168	1603	1292	1151	1315
Stoneville	ST 5600B2XF	1313	1001	1582	1321	1123	1253
Stoneville	ST 5707B2XF	1342	1014	1567	1343	1266	1301
Stoneville	ST 5818GLT	1559	1170	1571	1256	1253	1355
Stoneville	ST 6182GLT	1400	1223	1588	1342	1234	1351
UGA	GA 2016006	1094	744	1287	1020	875	996
UGA	GA 2016016	1123	903	1748	1138	877	1167
UGA	GA 2016029	1405	949	1757	1220	1092	1271
UGA	GA 2016058	1108	656	1389	1173	942	1037
UGA	GA 2016060	1063	913	1628	984	944	1109
UGA	GA 2016090	1234	880	1509	1075	907	1116
Average		1344	1084	1628	1254	1199	1277
LSD at 10% Level		191	153	146	181	174	114
Model R-square		0.45	0.82	0.87	0.64	0.62	0.48

All tests are planted using 3 seeds per linear foot with 36 inches between rows.

Lint Grade Summary of Cotton Varieties, 2019, Irrigated

Company or		Lint Yield		2019 Fiber Characteristics					
Brand Name	Variety	2019	Avg	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		---- lb/acre ----		%	inches	%	g/tex	units	grade
Short and Mid-Season Environments									
Americot	AMX 1816 B3XF	1457	.	36.9	1.17	83.4	31.8	4.1	7.3
Americot	AMX 1818 B3XF	1538	.	40.8	1.17	84.2	34.2	4.7	7.6
Americot	AMX 1828 B3XF	1513	.	41.1	1.17	84.4	32.3	4.8	7.7
Americot	AMX 19A005 B3XF	1706	.	42.7	1.15	83.7	30.4	4.7	7.3
Americot	AMX 19A006 B3XF	1692	.	39.3	1.22	83.0	35.9	4.3	7.6
Americot	NG 3522 B2XF	1615	1412	41.4	1.09	82.2	27.8	4.8	7.9
Americot	NG 3729 B2XF	1691	1431	40.8	1.17	83.9	30.8	4.9	7.5
Americot	NG 3930 B3XF	1529	.	39.7	1.16	83.8	30.7	4.6	8.0
Americot	NG 3994 B3XF	1583	.	43.8	1.15	83.1	31.0	4.9	7.9
Americot	NG 4936 B3XF	1739	.	41.1	1.19	84.3	31.8	4.7	6.6
Americot	NG 5711 B3XF	1732	1536	40.7	1.18	83.2	32.3	4.6	7.5
Croplan	CP 9178 B3XF	1740	1494	43.8	1.15	84.1	34.4	5.0	8.1
Croplan	CP 9210 B3XF	1804	.	43.8	1.16	83.9	32.1	5.1	7.9
Croplan	CP 9608 B3XF	1723	1506	44.3	1.14	82.5	29.9	4.6	7.8
Deltapine	18R628NRB3XF	1600	.	44.0	1.13	83.4	34.0	4.8	8.0
Deltapine	DP 1646 B2XF	1798	1546	43.3	1.19	83.3	29.8	4.7	7.0
Deltapine	DP 1725 B2XF	1698	.	44.0	1.15	82.9	30.5	4.7	7.2
Deltapine	DP 1823NR B2XF	1527	.	42.5	1.17	84.6	32.9	4.6	7.8
Deltapine	DP 1916 B3XF	1848	.	43.7	1.15	83.6	33.1	4.7	8.0
Deltapine	DP 2055 B3XF	1660	.	43.7	1.19	82.9	31.6	4.7	7.2
Dyna-Gro	DG 3402 B3XF	1631	.	42.1	1.18	84.0	31.5	4.4	7.7
Dyna-Gro	DG 3470 B3XF	1652	.	42.7	1.14	83.4	31.8	4.9	8.1
Dyna-Gro	DG 3520 B3XF	1588	.	39.4	1.23	84.0	32.5	4.2	7.6
Dyna-Gro	DG 3555 B3XF	1806	.	41.5	1.19	84.4	32.2	4.3	7.4
Dyna-Gro	DG 3560 B2XF	1719	1491	43.8	1.24	85.2	36.1	5.0	7.8
Dyna-Gro	DGX 18503B B3XF	1928	.	42.6	1.17	83.2	33.1	4.6	8.1
Dyna-Gro	Halo 959 B3XF	1838	.	40.9	1.19	82.8	33.5	4.5	8.0
Phytogen	PHY 340 W3FE	1562	1410	42.7	1.16	84.4	33.2	4.7	7.7
Phytogen	PHY 350 W3FE	1530	.	40.6	1.15	84.1	32.5	4.8	7.7
Phytogen	PHY 400 W3FE	1709	.	42.1	1.15	83.2	32.2	4.4	7.4
Phytogen	PHY 480 W3FE	1711	1462	41.9	1.16	84.4	31.9	4.5	8.0
Phytogen	PHY 500 W3FE	1731	1521	42.9	1.13	82.9	33.9	4.4	7.8
Phytogen	PHY 580 W3FE	1674	1525	43.2	1.12	83.6	32.0	4.8	7.9
Phytogen	PX3C06W3FE	1566	1474	41.1	1.15	83.0	31.4	4.7	6.9
Phytogen	PX3D32W3FE	1648	.	40.8	1.18	84.0	33.6	4.6	8.4
Phytogen	PX3D43W3FE	1672	.	42.2	1.13	83.9	34.5	4.6	8.1
Phytogen	PX5C05W3FE	1880	.	45.4	1.11	83.9	32.3	4.9	8.0
Phytogen	PX5C45W3FE	1878	.	43.7	1.12	83.8	31.6	4.8	7.8
Phytogen	PX5E28W3FE	1652	.	39.6	1.16	84.2	32.7	4.0	7.1
Phytogen	PX5E34W3FE	1608	.	39.3	1.17	84.3	33.4	4.1	7.4
Seed Source Genetics	SSG HQ 210 CT	1443	1238	38.3	1.10	82.5	31.3	4.8	7.0
Seed Source Genetics	SSG UA 114	1425	1262	38.1	1.17	84.9	33.6	5.0	7.7
Seed Source Genetics	SSG UA 222	1529	1323	39.5	1.19	84.9	31.8	4.8	7.6
Stoneville	BX 2076GLTP	1762	1523	42.7	1.15	83.2	33.3	5.1	7.7
Stoneville	ST 4550GLTP	1715	1512	43.7	1.12	83.5	31.7	4.8	8.0
Stoneville	ST 5471GLTP	1651	1417	41.1	1.15	82.9	31.8	4.5	7.2
Stoneville	ST 5600B2XF	1652	.	42.4	1.17	84.8	33.1	5.3	8.2
Stoneville	ST 5707B2XF	1618	.	38.8	1.17	84.4	34.7	4.9	8.1
Stoneville	ST 5818GLT	1740	1465	40.2	1.16	83.0	32.1	4.5	6.9
Stoneville	ST 6182GLT	1681	1490	44.8	1.14	83.7	30.5	4.7	7.8

Note: PHY 500 W3FE, PHY 580 W3FE, PX5C05W3FE, PX5C45W3FE, PX5E28W3FE and PX5E34W3FE are all full-season varieties. They were entered as full-season varieties, but mistakenly assigned to the short-season tests.

Lint Grade Summary of Cotton Varieties, 2019, Irrigated (Continued)

Company or		Lint Yield		2019 Fiber Characteristics					
Brand Name	Variety	2019	Avg	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		---- lb/acre ----	----	%	inches	%	g/tex	units	grade
UGA	GA 2016006	1339	.	41.9	1.19	84.0	33.4	4.6	7.1
UGA	GA 2016016	1650	.	41.9	1.19	83.4	34.3	4.9	7.6
UGA	GA 2016029	1724	.	42.1	1.22	84.5	35.5	4.6	7.5
UGA	GA 2016058	1425	.	39.7	1.20	83.6	33.2	4.5	7.5
UGA	GA 2016060	1476	.	40.7	1.20	84.1	34.4	4.8	7.4
UGA	GA 2016090	1554	.	40.9	1.20	84.1	34.7	4.6	7.5
Average		1653	1452	41.7	1.16	83.7	32.5	4.7	7.6
LSD at 10% Level		137	102	1.0	0.02	0.6	1.1	0.2	0.3
Model R-square		0.71	0.71	0.88	0.77	0.77	0.64	0.66	0.61
Mid and Full-Season Environments									
Americot	NG 3729 B2XF	1496	1320	40.9	1.13	83.4	30.0	4.9	7.7
Americot	NG 4936 B3XF	1551	.	41.0	1.16	83.7	32.0	4.6	7.0
Americot	NG 5711 B3XF	1708	1516	41.5	1.16	82.5	31.7	4.8	7.6
Croplan	CP 3885 B2XF	1733	1490	43.3	1.11	83.8	29.8	5.0	8.3
Croplan	CP 9608 B3XF	1660	1470	45.1	1.12	82.6	29.4	4.7	7.9
Croplan	CP 9830 B3XF	1606	.	45.6	1.22	83.1	32.0	4.6	7.8
Deltapine	DP 1555 B2RF	1723	1444	44.5	1.14	83.0	32.9	5.0	8.0
Deltapine	DP 1646 B2XF	1641	1456	43.8	1.18	83.4	30.0	4.8	7.4
Deltapine	DP 1835 B3XF	1689	1439	44.3	1.15	83.2	32.1	4.8	8.0
Deltapine	DP 1840 B3XF	1634	1443	41.5	1.18	83.0	31.6	4.7	7.7
Deltapine	DP 1851 B3XF	1627	1420	43.5	1.12	83.2	33.9	4.7	8.1
Deltapine	DP 2055 B3XF	1726	.	44.3	1.18	83.1	31.6	4.9	7.5
Dyna-Gro	DG 3526 B2XF	1565	1402	43.7	1.12	83.7	30.1	4.9	7.9
Dyna-Gro	DG 3560 B2XF	1655	1455	43.6	1.22	85.2	35.8	5.0	8.1
Dyna-Gro	DG 3605 B2XF	1681	1409	44.0	1.20	83.2	30.5	4.7	7.4
Dyna-Gro	DG 3615 B3XF	2126	1786	43.9	1.14	82.5	32.1	4.9	8.4
Dyna-Gro	DG 3757 B2XF	1565	.	42.7	1.12	83.5	29.4	4.8	8.5
Dyna-Gro	DG 3799 B3XF	2009	.	43.8	1.14	82.5	32.6	5.0	8.3
Phytogen	PHY 340 W3FE	1493	1370	43.1	1.13	83.6	32.4	4.7	7.9
Phytogen	PHY 350 W3FE	1513	.	41.2	1.14	83.9	32.4	4.8	8.0
Phytogen	PHY 400 W3FE	1729	.	42.7	1.14	83.0	32.6	4.5	7.6
Phytogen	PHY 480 W3FE	1673	1441	42.3	1.14	84.2	31.9	4.6	8.3
Phytogen	PX3C06W3FE	1523	1448	41.9	1.13	82.4	30.7	4.7	7.0
Phytogen	PX3D32W3FE	1571	.	42.0	1.16	83.4	33.3	4.6	8.2
Phytogen	PX3D43W3FE	1676	.	42.9	1.11	83.4	33.6	4.7	8.2
Stoneville	BX 2076GLTP	1597	1429	43.5	1.14	83.1	33.3	5.3	7.8
Stoneville	ST 4550GLTP	1644	1471	44.1	1.09	83.1	31.3	4.9	8.2
Stoneville	ST 5471GLTP	1612	1394	41.5	1.15	82.9	32.0	4.7	7.4
Stoneville	ST 5600B2XF	1680	.	42.6	1.15	84.2	32.9	5.4	8.4
Stoneville	ST 5707B2XF	1618	.	39.3	1.17	84.5	34.9	5.1	8.6
Stoneville	ST 5818GLT	1588	1379	40.6	1.14	82.7	31.3	4.6	7.0
Stoneville	ST 6182GLT	1650	1473	45.1	1.13	82.8	30.3	4.8	7.8
UGA	GA 2016006	1302	.	42.3	1.17	83.3	33.1	4.5	7.4
UGA	GA 2016016	1657	.	42.8	1.17	83.0	33.3	4.9	7.6
UGA	GA 2016029	1631	.	42.9	1.19	84.0	34.7	4.8	7.9
UGA	GA 2016058	1476	.	40.8	1.17	83.1	33.2	4.6	7.6
UGA	GA 2016060	1436	.	41.3	1.18	83.5	33.3	4.8	7.3
UGA	GA 2016090	1475	.	40.8	1.18	83.7	33.6	4.6	7.6
Average		1628	1449	42.8	1.15	83.3	32.1	4.8	7.8
LSD at 10% Level		138	105	0.9	0.02	0.6	1.1	0.2	0.3
Model R-square		0.79	0.76	0.83	0.69	0.76	0.65	0.60	0.71

Lint Grade Summary of Cotton Varieties, 2019, Dryland

Company or Brand Name	Variety	Lint Yield		2019 Fiber Characteristics					
		2019 ---- lb/acre ----	Avg	Lint ¹ %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness ³ grade
Short and Mid-Season Environments									
Americot	AMX 1816 B3XF	976	.	39.6	1.17	83.2	31.8	4.2	7.6
Americot	AMX 1818 B3XF	907	.	41.8	1.14	83.4	33.5	4.6	7.8
Americot	AMX 1828 B3XF	981	.	42.0	1.14	83.7	32.2	4.9	7.9
Americot	AMX 19A005 B3XF	1022	.	43.1	1.14	83.8	29.8	4.7	7.4
Americot	AMX 19A006 B3XF	1107	.	40.8	1.21	83.3	36.5	4.5	8.0
Americot	NG 3522 B2XF	1075	1069	42.0	1.06	82.1	27.4	4.7	8.4
Americot	NG 3729 B2XF	1069	1094	41.7	1.14	83.5	30.5	4.9	7.9
Americot	NG 3930 B3XF	868	.	41.6	1.16	83.8	31.0	4.4	8.0
Americot	NG 3994 B3XF	983	.	44.1	1.12	82.2	30.4	4.8	8.4
Americot	NG 4936 B3XF	1138	.	41.1	1.17	84.1	30.5	4.6	7.0
Americot	NG 5711 B3XF	963	1029	42.3	1.13	83.0	31.0	4.6	7.7
Croplan	CP 9178 B3XF	1129	1139	43.9	1.11	83.2	32.9	4.8	8.3
Croplan	CP 9210 B3XF	1054	.	43.7	1.15	83.7	32.1	5.2	8.3
Croplan	CP 9608 B3XF	1164	1161	46.2	1.11	82.9	29.0	4.7	8.1
Deltapine	18R628NRB3XF	893	.	44.7	1.11	83.3	33.9	4.5	8.0
Deltapine	DP 1646 B2XF	1052	1110	43.8	1.18	83.3	30.2	4.7	7.2
Deltapine	DP 1725 B2XF	1110	.	44.8	1.13	82.7	30.4	4.7	7.6
Deltapine	DP 1823NR B2XF	900	.	43.9	1.14	83.4	32.4	4.5	7.9
Deltapine	DP 1916 B3XF	1079	.	44.3	1.10	82.9	32.4	4.8	8.3
Deltapine	DP 2055 B3XF	1064	.	44.5	1.17	82.9	31.2	4.7	7.6
Dyna-Gro	DG 3402 B3XF	1088	.	42.0	1.16	83.1	32.1	4.5	7.9
Dyna-Gro	DG 3470 B3XF	924	.	43.0	1.13	83.2	31.4	4.9	8.1
Dyna-Gro	DG 3520 B3XF	1153	.	41.6	1.21	84.9	33.8	4.0	7.4
Dyna-Gro	DG 3555 B3XF	1195	.	42.9	1.17	84.6	32.8	4.4	7.7
Dyna-Gro	DG 3560 B2XF	1081	1153	44.8	1.20	84.7	36.0	5.2	8.3
Dyna-Gro	DGX 18503B B3XF	1274	.	44.2	1.13	82.1	31.5	4.7	8.1
Dyna-Gro	Halo 959 B3XF	1251	.	41.6	1.15	82.3	32.0	4.5	8.0
Phytogen	PHY 340 W3FE	1044	1146	44.4	1.13	83.7	31.0	4.6	8.3
Phytogen	PHY 350 W3FE	964	.	42.9	1.13	83.8	31.8	4.5	8.1
Phytogen	PHY 400 W3FE	1155	.	43.6	1.15	83.0	32.9	4.3	7.8
Phytogen	PHY 480 W3FE	1049	1106	43.1	1.10	84.2	31.5	4.6	8.1
Phytogen	PHY 500 W3FE	1162	1169	44.8	1.14	83.2	34.7	4.4	7.7
Phytogen	PHY 580 W3FE	1156	1216	46.2	1.10	83.1	31.5	4.5	7.8
Phytogen	PX3C06W3FE	1138	1190	43.6	1.14	83.1	30.6	4.6	7.0
Phytogen	PX3D32W3FE	1123	.	42.3	1.18	83.1	33.3	4.5	8.3
Phytogen	PX3D43W3FE	1061	.	43.2	1.10	83.7	32.9	4.7	8.3
Phytogen	PX5C05W3FE	1090	.	46.6	1.06	83.4	30.8	4.8	8.1
Phytogen	PX5C45W3FE	1152	.	45.3	1.09	83.1	31.1	4.6	7.9
Phytogen	PX5E28W3FE	1108	.	42.7	1.14	83.4	33.8	4.2	7.5
Phytogen	PX5E34W3FE	1013	.	40.8	1.13	83.5	33.6	4.2	7.5
Seed Source Genetics	SSG HQ 210 CT	785	876	39.6	1.06	82.2	31.1	4.9	7.5
Seed Source Genetics	SSG UA 114	913	957	40.7	1.16	85.1	33.6	4.8	7.5
Seed Source Genetics	SSG UA 222	986	1014	40.4	1.14	83.6	31.4	4.6	7.5
Stoneville	BX 2076GLTP	1119	1190	43.8	1.12	82.7	32.7	5.1	7.7
Stoneville	ST 4550GLTP	1069	1113	45.2	1.12	83.8	32.0	4.8	8.3
Stoneville	ST 5471GLTP	1112	1148	41.6	1.11	82.0	30.8	4.6	7.4
Stoneville	ST 5600B2XF	946	.	43.6	1.11	83.7	32.1	5.3	8.6
Stoneville	ST 5707B2XF	989	.	39.4	1.16	83.9	35.0	4.9	8.2
Stoneville	ST 5818GLT	1096	1105	41.6	1.11	82.0	31.7	4.6	7.1
Stoneville	ST 6182GLT	1133	1132	46.4	1.10	83.2	29.5	4.9	8.0

Note: PHY 500 W3FE, PHY 580 W3FE, PX5C05W3FE, PX5C45W3FE, PX5E28W3FE and PX5E34W3FE are all full-season varieties. They were entered as full-season varieties, but mistakenly assigned to the short-season tests.

Lint Grade Summary of Cotton Varieties, 2019, Dryland (Continued)

Company or		Lint Yield		2019 Fiber Characteristics					
Brand Name	Variety	2019	Avg	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		---- lb/acre ----		%	inches	%	g/tex	units	grade
UGA	GA 2016006	732	.	42.6	1.15	83.3	32.1	4.5	7.4
UGA	GA 2016016	899	.	41.9	1.17	82.4	33.1	4.5	7.7
UGA	GA 2016029	958	.	43.7	1.16	83.3	33.1	4.8	7.7
UGA	GA 2016058	662	.	41.2	1.19	83.4	32.9	4.4	7.6
UGA	GA 2016060	917	.	41.8	1.16	83.7	33.0	4.8	7.5
UGA	GA 2016090	855	.	42.0	1.16	83.7	32.9	4.4	7.5
Average		1034	1106	43.0	1.14	83.3	32.1	4.6	7.8
LSD at 10% Level		123	100	1.0	0.02	0.7	1.1	0.2	0.3
Model R-square		0.81	0.76	0.87	0.79	0.64	0.71	0.65	0.71
Mid and Full-Season Environments									
Americot	NG 3729 B2XF	1119	1126	41.7	1.12	82.7	30.3	4.9	7.6
Americot	NG 4936 B3XF	1024	.	42.3	1.15	83.9	31.3	4.7	7.3
Americot	NG 5711 B3XF	1072	1102	43.3	1.13	82.6	30.9	4.5	7.8
Croplan	CP 3885 B2XF	1196	1154	44.5	1.09	82.7	29.8	4.9	8.2
Croplan	CP 9608 B3XF	1170	1165	45.5	1.11	82.7	29.1	4.7	7.8
Croplan	CP 9830 B3XF	1072	.	45.5	1.18	82.8	31.5	4.6	7.5
Deltapine	DP 1555 B2RF	1287	1265	45.9	1.12	82.6	31.7	4.8	7.8
Deltapine	DP 1646 B2XF	1196	1206	44.9	1.16	83.0	31.0	4.9	7.3
Deltapine	DP 1835 B3XF	1208	1153	44.8	1.11	82.6	30.6	4.9	7.8
Deltapine	DP 1840 B3XF	1176	1139	43.0	1.13	82.5	31.2	4.7	7.6
Deltapine	DP 1851 B3XF	1244	1203	45.4	1.11	83.0	33.0	4.9	7.8
Deltapine	DP 2055 B3XF	1184	.	45.2	1.16	82.2	31.3	4.8	7.4
Dyna-Gro	DG 3526 B2XF	1061	1074	45.3	1.12	83.3	30.9	4.8	8.1
Dyna-Gro	DG 3560 B2XF	1245	1263	45.1	1.18	83.8	35.0	5.1	8.1
Dyna-Gro	DG 3605 B2XF	1095	1094	44.5	1.15	82.2	30.7	4.6	7.4
Dyna-Gro	DG 3615 B3XF	1208	1246	43.2	1.14	83.4	33.0	4.8	8.1
Dyna-Gro	DG 3757 B2XF	1291	.	45.5	1.09	82.7	28.5	5.0	8.3
Dyna-Gro	DG 3799 B3XF	1447	.	44.4	1.15	82.6	32.3	4.6	7.7
Phytogen	PHY 340 W3FE	1130	1204	44.9	1.11	82.9	31.3	4.7	8.0
Phytogen	PHY 350 W3FE	1041	.	43.8	1.14	83.6	31.5	4.7	8.0
Phytogen	PHY 400 W3FE	1176	.	43.8	1.13	82.7	31.8	4.5	7.9
Phytogen	PHY 480 W3FE	1146	1171	43.6	1.10	83.3	31.8	4.6	8.1
Phytogen	PX3C06W3FE	1183	1218	43.7	1.11	82.1	30.1	4.8	7.2
Phytogen	PX3D32W3FE	1242	.	43.4	1.17	83.5	32.5	4.6	8.2
Phytogen	PX3D43W3FE	1151	.	44.6	1.09	83.4	32.4	4.8	8.2
Stoneville	BX 2076GLTP	1153	1213	44.3	1.13	82.8	32.5	5.1	7.6
Stoneville	ST 4550GLTP	1193	1195	44.9	1.12	83.3	32.1	4.8	8.1
Stoneville	ST 5471GLTP	1100	1140	43.0	1.09	81.5	30.6	4.7	7.4
Stoneville	ST 5600B2XF	1038	.	43.6	1.12	83.4	32.5	5.2	8.4
Stoneville	ST 5707B2XF	1178	.	40.6	1.13	83.1	33.3	5.0	8.3
Stoneville	ST 5818GLT	1158	1147	42.6	1.10	82.0	31.1	4.7	7.2
Stoneville	ST 6182GLT	1141	1137	45.8	1.10	83.0	29.9	4.8	7.7
UGA	GA 2016006	829	.	43.6	1.15	82.9	32.8	4.8	7.5
UGA	GA 2016016	880	.	43.6	1.14	82.7	33.2	4.8	7.6
UGA	GA 2016029	1072	.	44.2	1.17	82.6	33.6	4.8	7.7
UGA	GA 2016058	877	.	42.3	1.15	83.1	31.8	4.7	7.6
UGA	GA 2016060	942	.	42.8	1.13	83.0	31.6	4.8	7.7
UGA	GA 2016090	875	.	42.6	1.15	83.1	34.0	4.6	7.6
Average		1126	1172	44.0	1.13	82.9	31.6	4.8	7.8
LSD at 10% Level		138	NS	1.3	0.03	0.8	1.4	0.2	0.3
Model R-square		0.64	0.61	0.51	0.61	0.45	0.49	0.43	0.50

Yield Summary of Cotton Strains, 2019, Irrigated

Variety	Lint Yield				Fiber Quality ²					
	Tifton	Midville	Plains	All-locations	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
	-----lb/acre-----				%	inches	%	g/tex	units	grade
DGX 19051 B3XF	1956	2676	1153	1928	46.3	1.17	82.8	32.1	4.4	7.5
DGX 19010 B3XF	1770	2348	1289	1802	45.8	1.23	82.2	30.9	4.3	6.7
DGX 19735 GLTP	1813	2079	1316	1736	44.2	1.16	83.0	30.3	4.5	7.5
DGX 1901 GLTP	1868	2017	1278	1721	44.8	1.15	83.4	30.6	4.7	7.4
DGX 19731 GLTP	1621	2225	1293	1713	42.4	1.19	83.0	31.7	4.6	7.2
DGX 19008 B3XF	1826	2212	1059	1687	46.3	1.20	83.2	31.2	4.5	6.8
DGX 19523 B3XF	1582	2413	1059	1685	44.7	1.13	83.2	29.5	4.6	7.9
DGX 19003 B3XF	1643	2095	1298	1682	43.5	1.11	83.1	30.2	4.8	7.2
GA 2015026	1352	2149	1098	1533	42.9	1.21	83.2	33.3	4.6	6.9
GA 2015046	1543	1765	1197	1529	40.2	1.18	83.7	33.2	4.3	7.2
DGX 19525 B3XF	1537	1990	859	1462	44.7	1.17	84.0	32.8	5.0	7.3
GA 2016103	1683	1774	924	1440	42.4	1.18	83.8	33.6	4.8	7.0
DGX 19015 B3XF	1425	1673	1128	1434	41.4	1.16	83.5	32.3	4.6	7.3
GA 2015018	1403	1770	1083	1420	41.8	1.17	84.7	31.0	4.8	6.9
GA 2015068	1470	1634	978	1350	41.3	1.17	83.8	32.7	4.5	7.5
DGX 19006 B3XF	1337	1703	961	1333	39.9	1.15	82.8	30.2	4.4	6.6
DGX 19004 B3XF	1272	1467	1150	1296	41.8	1.17	83.0	29.4	4.6	7.4
GA 2016110	1393	1460	897	1250	41.1	1.19	84.4	34.6	4.9	7.1
Average	1581	1969	1111	1557	43.1	1.17	83.4	31.6	4.6	7.2
LSD at 10% Level	271	176	188	133	1.0	0.03	0.9	1.2	0.2	0.4
Model R-square	0.56	0.87	0.68	0.87	0.89	0.73	0.65	0.80	0.83	0.78
CV %	13.8%	7.5%	14.0%	12.4%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus and microgin (Tifton).

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Bainbridge, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		---- lb/acre ----	----	%	inches	%	g/tex	units	grade
Mid-Season Environment									
Dyna-Gro	DG 3615 B3XF	2556	5627	45.4	1.15	84.1	31.7	5.0	8.5
Deltapine	DP 2055 B3XF	2550	5622	45.4	1.20	84.2	32.6	5.1	7.7
Dyna-Gro	DG 3799 B3XF	2459	5462	45.0	1.16	84.4	32.4	5.2	9.2
Phytogen	PX5C45W3FE	2371	5081	46.7	1.13	86.0	32.6	5.2	8.5
Dyna-Gro	DG 3757 B2XF	2353	5309	44.3	1.17	85.9	30.9	4.9	8.8
Phytogen	PHY 580 W3FE	2330	4944	47.1	1.13	84.9	32.5	5.1	8.0
UGA	GA 2016016	2321	5225	44.4	1.18	84.5	32.8	5.4	7.7
Croplan	CP 3885 B2XF	2317	4991	46.4	1.15	85.8	31.1	5.3	8.8
Stoneville	ST 6182GLT	2306	4982	46.3	1.17	85.3	31.5	4.9	7.9
Phytogen	PX5C05W3FE	2300	4786	48.1	1.12	85.2	32.2	5.3	9.0
Dyna-Gro	DGX 18503B B3XF	2293	5256	43.6	1.18	85.4	35.1	4.8	8.8
Croplan	CP 9608 B3XF	2266	4933	45.9	1.15	84.5	31.1	4.8	8.6
Deltapine	DP 1835 B3XF	2242	4914	45.6	1.19	85.6	34.2	5.2	8.8
Americot	AMX 19A005 B3XF	2224	4846	45.9	1.16	85.5	30.4	4.9	7.5
Deltapine	DP 1916 B3XF	2223	4910	45.3	1.16	84.7	33.1	5.0	8.1
Deltapine	DP 1851 B3XF	2200	4902	44.9	1.18	85.6	34.9	4.9	8.6
Phytogen	PX5E34W3FE	2191	5105	42.9	1.18	85.9	33.5	4.5	7.5
Phytogen	PHY 500 W3FE	2188	4791	45.7	1.14	84.7	34.8	5.0	8.5
UGA	GA 2016029	2140	4832	44.3	1.23	85.8	36.9	4.7	7.4
Deltapine	DP 1840 B3XF	2136	5036	42.4	1.21	84.7	31.2	5.0	7.8
Dyna-Gro	DG 3526 B2XF	2124	4753	44.7	1.13	85.5	29.8	5.3	8.2
Phytogen	PX5E28W3FE	2124	5044	42.1	1.19	85.7	32.7	4.5	7.2
Deltapine	DP 1555 B2RF	2118	4647	45.6	1.17	85.4	34.1	5.2	8.2
Croplan	CP 9178 B3XF	2115	4634	45.6	1.15	85.4	34.3	5.2	8.5
Stoneville	ST 4550GLTP	2103	4588	45.8	1.15	85.1	34.2	5.0	8.1
Stoneville	ST 5600B2XF	2097	4779	43.9	1.19	86.3	34.7	5.7	8.6
Americot	NG 4936 B3XF	2090	4756	44.0	1.21	85.7	31.6	5.1	6.8
Americot	NG 5711 B3XF	2088	4832	43.2	1.20	84.9	32.3	4.8	8.0
Phytogen	PHY 400 W3FE	2088	4586	45.5	1.17	84.8	32.5	4.6	7.8
Deltapine	DP 1725 B2XF	2065	4482	46.1	1.17	84.6	30.8	4.8	7.2
Deltapine	DP 1646 B2XF	2063	4489	46.0	1.22	85.1	31.0	5.0	7.5
Dyna-Gro	DG 3605 B2XF	2061	4576	45.1	1.26	85.5	30.8	4.9	7.6
Croplan	CP 9210 B3XF	2043	4540	45.0	1.17	85.2	32.8	5.4	8.4
Dyna-Gro	DG 3470 B3XF	2038	4567	44.6	1.16	84.7	32.4	5.5	8.6
Phytogen	PHY 480 W3FE	2033	4608	44.1	1.17	85.3	31.3	4.8	8.8
Americot	NG 3729 B2XF	2030	4622	43.9	1.19	85.4	32.0	5.1	8.2
Americot	AMX 19A006 B3XF	2028	4971	40.8	1.25	84.9	36.7	4.3	8.2
Phytogen	PX3D43W3FE	2010	4466	45.0	1.14	85.4	34.8	5.0	8.1
Americot	NG 3522 B2XF	2001	4526	44.2	1.12	84.6	27.9	5.3	8.1
Dyna-Gro	Halo 959 B3XF	1988	4657	42.7	1.19	84.6	34.6	4.6	8.5
Deltapine	18R628NRB3XF	1983	4236	46.8	1.15	84.8	34.1	5.2	8.2
UGA	GA 2016090	1957	4564	42.9	1.21	85.7	34.9	4.9	7.6
Dyna-Gro	DG 3560 B2XF	1950	4374	44.6	1.24	86.2	36.5	5.3	8.3
Dyna-Gro	DG 3555 B3XF	1950	4550	42.9	1.21	85.8	33.1	4.4	8.1
Americot	NG 3930 B3XF	1946	4513	43.1	1.18	86.3	31.3	5.1	8.4
Americot	AMX 1818 B3XF	1945	4637	41.9	1.19	85.9	35.2	4.9	8.0
Stoneville	ST 5471GLTP	1941	4501	43.1	1.19	84.9	31.8	5.0	7.5
Seed Source Genetics	SSG UA 222	1932	4568	42.3	1.20	86.8	34.4	5.0	7.7
Phytogen	PHY 340 W3FE	1912	4277	44.7	1.15	85.1	32.4	4.9	7.7
UGA	GA 2016060	1910	4428	43.1	1.22	85.6	34.7	5.1	7.1
Croplan	CP 9830 B3XF	1897	4147	45.8	1.26	85.2	30.8	5.0	7.9
Stoneville	BX 2076GLTP	1872	4240	44.2	1.17	83.7	33.2	5.8	8.0
Stoneville	ST 5818GLT	1869	4417	42.3	1.19	84.3	34.4	4.6	7.1

Bainbridge, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Americot	AMX 1816 B3XF	1856	4709	39.4	1.20	85.3	32.1	4.3	7.4
Dyna-Gro	DG 3402 B3XF	1855	4070	45.6	1.19	85.6	32.7	4.7	8.2
Phytogen	PX3D32W3FE	1854	4227	43.9	1.21	85.8	34.3	4.6	8.1
Phytogen	PHY 350 W3FE	1852	4279	43.3	1.15	84.9	31.9	5.0	8.0
Deltapine	DP 1823NR B2XF	1842	4090	45.1	1.18	86.0	33.8	4.8	8.1
Stoneville	ST 5707B2XF	1822	4507	40.4	1.20	86.2	37.1	5.3	9.0
Dyna-Gro	DG 3520 B3XF	1814	4363	41.6	1.25	86.6	33.3	4.4	8.5
Americot	NG 3994 B3XF	1805	4047	44.6	1.19	84.9	31.2	5.0	8.0
Americot	AMX 1828 B3XF	1786	4204	42.5	1.21	86.1	31.7	5.0	8.1
Seed Source Genetics	SSG UA 114	1776	4461	39.8	1.17	86.4	34.1	5.4	7.9
UGA	GA 2016058	1756	4236	41.5	1.21	85.0	33.8	4.7	7.6
Phytogen	PX3C06W3FE	1714	3853	44.5	1.15	84.2	31.5	5.1	6.2
Seed Source Genetics	SSG HQ 210 CT	1659	4127	40.2	1.12	84.2	32.0	5.1	7.2
UGA	GA 2016006	1413	3176	44.5	1.19	85.1	33.1	4.7	7.1
Average		2041	4625	44.2	1.18	85.3	32.9	5.0	8.0
LSD at 10% Level		268	609	1.7	0.04	NS	2.0	0.4	0.6
Model R-square		0.60	0.54	0.87	0.80	0.57	0.81	0.72	0.86
CV %		11.1%	11.1%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 14, 2019.

Harvested: October 7, 2019.

Soil Type:

Previous Crop:

Soil Test:

Fertilization:

Management:

Additional test details will be included in final report

May June July Aug. Sept.

Irrigation (in):

Rainfall (in): 2.5 1.8 4.4 9.1 0.5

Test conducted by J. Greene, R. Brooke, K. Cawley, M. Cofield, D. Dunn.

Midville, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Mid-Season Environment									
Dyna-Gro	DG 3799 B3XF	2531	5518	45.9	1.17	83.2	34.5	4.7	7.6
Dyna-Gro	DG 3615 B3XF	2518	5675	44.4	1.15	83.0	33.6	5.0	7.9
Dyna-Gro	DG 3555 B3XF	2372	5361	44.2	1.19	83.2	31.7	4.1	7.1
Dyna-Gro	Halo 959 B3XF	2251	5282	42.6	1.17	82.6	34.1	4.6	7.4
Dyna-Gro	DGX 18503B B3XF	2240	4997	44.8	1.17	82.9	32.8	4.8	7.6
Croplan	CP 9210 B3XF	2225	4937	45.1	1.13	82.9	31.8	5.0	7.8
Deltapine	DP 1646 B2XF	2186	4816	45.4	1.19	83.1	29.6	4.6	6.9
Deltapine	DP 1916 B3XF	2134	4756	44.9	1.11	83.2	32.8	4.4	8.1
Stoneville	BX 2076GLTP	2132	4635	46.0	1.13	83.3	35.1	5.0	7.6
Phytogen	PX5C45W3FE	2129	4671	45.6	1.10	82.0	30.7	4.7	7.7
Phytogen	PX5C05W3FE	2097	4507	46.5	1.07	82.6	30.7	4.6	7.8
Americot	NG 5711 B3XF	2086	5066	41.2	1.15	82.4	32.1	4.6	7.1
Phytogen	PHY 480 W3FE	2079	4725	44.0	1.13	84.1	32.4	4.3	7.4
Dyna-Gro	DG 3520 B3XF	2078	4822	43.1	1.21	82.9	33.8	4.4	7.3
Phytogen	PHY 400 W3FE	2076	4798	43.3	1.14	82.1	32.3	4.2	6.9
Phytogen	PX3C06W3FE	2052	4816	42.6	1.15	81.8	31.1	4.3	6.8
Phytogen	PHY 500 W3FE	2047	4582	44.7	1.08	81.9	32.2	4.1	7.5
UGA	GA 2016016	2033	4592	44.3	1.19	83.4	33.8	4.9	7.2
Phytogen	PX3D32W3FE	2032	4598	44.2	1.17	83.1	33.4	4.5	7.9
Dyna-Gro	DG 3560 B2XF	2027	4350	46.6	1.23	84.9	36.7	4.5	7.5
Dyna-Gro	DG 3402 B3XF	2023	4759	42.5	1.18	83.4	31.3	3.9	7.2
Dyna-Gro	DG 3470 B3XF	2015	4725	42.6	1.12	82.8	31.6	4.8	7.9
Phytogen	PX3D43W3FE	2009	4610	43.6	1.13	83.1	34.6	4.4	7.5
Dyna-Gro	DG 3605 B2XF	2008	4374	45.9	1.21	82.6	31.1	4.4	6.8
Stoneville	ST 4550GLTP	2007	4507	44.5	1.09	83.1	30.9	4.8	7.8
Deltapine	DP 1555 B2RF	2000	4465	44.8	1.16	83.0	33.2	4.5	7.1
Americot	AMX 19A006 B3XF	1999	4810	41.6	1.20	82.7	37.2	4.5	7.3
Stoneville	ST 5818GLT	1971	4822	40.9	1.12	82.3	30.4	4.6	6.6
Americot	NG 4936 B3XF	1969	4713	41.8	1.16	83.0	33.6	4.5	6.5
Americot	AMX 19A005 B3XF	1968	4396	44.8	1.14	83.2	30.7	4.8	7.1
Stoneville	ST 5707B2XF	1965	4949	39.7	1.16	84.1	35.1	4.8	7.4
Croplan	CP 3885 B2XF	1962	4477	43.8	1.10	83.3	28.6	4.7	7.9
Stoneville	ST 5600B2XF	1961	4469	43.9	1.13	83.7	31.6	5.1	7.7
Deltapine	DP 1835 B3XF	1960	4241	46.2	1.16	83.5	32.3	4.8	7.2
UGA	GA 2016029	1947	4513	43.1	1.21	84.0	35.4	4.6	7.3
Deltapine	DP 1725 B2XF	1941	4277	45.4	1.10	81.3	29.7	4.5	7.1
Stoneville	ST 5471GLTP	1923	4471	43.0	1.14	82.6	32.8	4.6	6.9
Americot	NG 3729 B2XF	1906	4598	41.5	1.15	82.8	29.9	4.6	7.0
Deltapine	18R628NRB3XF	1904	4223	45.1	1.13	82.9	34.0	4.3	7.6
Deltapine	DP 1840 B3XF	1892	4483	42.2	1.19	82.9	32.7	4.3	7.5
Deltapine	DP 2055 B3XF	1879	4120	45.6	1.20	82.4	32.1	4.5	6.7
UGA	GA 2016060	1867	4423	42.2	1.19	83.5	34.6	4.6	6.9
Americot	NG 3994 B3XF	1856	4018	46.2	1.11	82.3	29.8	4.9	8.1
Americot	AMX 1828 B3XF	1845	4324	42.7	1.15	84.1	32.6	4.7	7.5
Croplan	CP 9178 B3XF	1835	4084	44.9	1.12	83.7	34.4	4.8	7.8
Croplan	CP 9830 B3XF	1830	3890	47.0	1.26	83.1	33.6	4.4	7.1
Deltapine	DP 1851 B3XF	1815	4138	43.9	1.12	83.3	35.0	4.3	7.5
Americot	AMX 1818 B3XF	1809	4181	43.3	1.13	83.4	33.8	4.6	7.2
Phytogen	PX5E28W3FE	1808	4399	41.1	1.12	83.0	33.1	3.9	6.7
Americot	NG 3930 B3XF	1806	4574	39.5	1.13	82.1	30.5	4.3	7.3
Phytogen	PHY 340 W3FE	1797	4114	43.7	1.15	84.2	35.1	4.5	7.5
UGA	GA 2016090	1791	4229	42.4	1.15	83.3	34.3	4.6	7.2

Midville, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Croplan	CP 9608 B3XF	1783	3830	46.6	1.11	82.5	29.7	4.7	7.4
Seed Source Genetics	SSG UA 222	1782	4689	39.7	1.17	84.5	31.7	4.5	7.4
Stoneville	ST 6182GLT	1776	3848	46.2	1.12	82.2	29.7	4.3	7.3
Americot	NG 3522 B2XF	1773	4229	41.9	1.07	81.3	28.5	4.5	7.6
Dyna-Gro	DG 3526 B2XF	1773	3872	45.8	1.10	83.3	29.3	4.6	7.5
Phytogen	PHY 580 W3FE	1766	4072	43.4	1.12	83.2	31.1	4.7	7.8
Deltapine	DP 1823NR B2XF	1759	4072	43.2	1.15	83.9	32.1	4.4	7.5
UGA	GA 2016006	1756	4096	42.9	1.17	82.8	33.3	4.3	7.0
Seed Source Genetics	SSG UA 114	1736	4289	40.5	1.17	84.2	35.3	4.7	7.2
UGA	GA 2016058	1729	4072	42.5	1.19	83.1	34.1	4.5	7.2
Phytogen	PHY 350 W3FE	1691	4078	41.5	1.12	83.4	32.8	4.5	7.4
Dyna-Gro	DG 3757 B2XF	1651	3866	42.7	1.14	83.4	29.7	4.6	7.9
Phytogen	PX5E34W3FE	1635	4060	40.3	1.14	83.1	33.0	3.9	7.0
Seed Source Genetics	SSG HQ 210 CT	1589	4114	38.6	1.06	80.9	31.1	4.4	7.0
Americot	AMX 1816 B3XF	1560	4170	37.4	1.13	82.4	31.8	4.0	7.3
Average		1944	4476	43.5	1.15	83.0	32.4	4.5	7.3
LSD at 10% Level		206	476	2.1	0.05	1.1	2.2	0.3	0.5
Model R-square		0.64	0.59	0.85	0.81	0.71	0.81	0.77	0.77
CV %		8.9%	8.9%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 6, 2019.

Harvested: October 10, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.4.

Fertilization: 30 lb N, 90 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Liberty, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA and

Envoque used for weed control. Bidrin and acephate for insect control. Mepiquat used for PGR.

Folex, Dropp and Ethephon for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.5	1.5	4.1	1.3	0.0	0.0
Rainfall (in):	1.8	3.3	2.5	5.5	0.5	0.0

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Plains, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Short-Season Environment									
Croplan	CP 9178 B3XF	1777	4035	44.1	1.19	84.2	35.4	5.0	8.1
Croplan	CP 9210 B3XF	1777	4035	44.0	1.19	83.9	32.1	4.9	7.9
UGA	GA 2016029	1687	4060	41.6	1.29	85.4	35.7	4.8	8.0
Stoneville	ST 5818GLT	1684	4175	40.3	1.19	83.5	33.0	4.3	7.0
Phytogen	PX5C05W3FE	1669	3709	45.0	1.13	84.1	34.1	4.8	7.8
Dyna-Gro	DG 3402 B3XF	1656	4005	41.4	1.21	84.5	31.4	4.2	7.7
Dyna-Gro	DG 3560 B2XF	1645	3800	43.3	1.28	85.7	35.9	5.0	7.4
Americot	NG 4936 B3XF	1644	4041	40.7	1.24	85.6	30.8	4.6	6.3
Dyna-Gro	DGX 18503B B3XF	1638	3908	41.9	1.21	83.1	33.0	4.1	7.9
Phytogen	PX5C45W3FE	1618	3727	43.4	1.17	84.5	32.7	4.6	7.7
Americot	NG 3729 B2XF	1612	3951	40.8	1.21	84.7	31.0	4.9	7.5
Stoneville	BX 2076GLTP	1606	3817	42.1	1.19	83.7	34.1	4.8	7.5
Phytogen	PX3D43W3FE	1605	3781	42.5	1.17	84.9	36.1	4.4	8.7
Croplan	CP 9608 B3XF	1602	3582	44.7	1.19	82.9	30.2	4.3	7.4
Americot	NG 3522 B2XF	1598	3854	41.5	1.12	82.4	28.5	4.6	8.1
Deltapine	DP 1646 B2XF	1576	3654	43.1	1.21	84.0	30.1	4.4	7.0
Phytogen	PX5E34W3FE	1572	3963	39.7	1.21	85.2	34.3	4.0	7.2
Stoneville	ST 4550GLTP	1570	3521	44.6	1.17	84.5	32.3	4.5	8.1
Phytogen	PHY 480 W3FE	1564	3709	42.2	1.17	84.6	32.4	4.3	7.9
Dyna-Gro	DG 3555 B3XF	1557	3854	40.4	1.23	85.6	32.5	4.2	6.9
Stoneville	ST 5471GLTP	1557	3775	41.2	1.15	82.6	31.0	4.2	7.0
Phytogen	PHY 580 W3FE	1549	3521	44.0	1.14	84.1	33.1	4.5	7.6
Deltapine	DP 1725 B2XF	1548	3503	44.2	1.20	84.0	30.7	4.7	7.1
Dyna-Gro	DG 3470 B3XF	1546	3527	43.8	1.15	83.8	31.8	4.9	8.1
Phytogen	PX3D32W3FE	1542	3763	41.0	1.22	84.6	34.5	4.5	9.3
Americot	NG 3994 B3XF	1535	3449	44.5	1.20	83.6	32.2	4.9	7.8
Deltapine	DP 1916 B3XF	1534	3546	43.3	1.20	84.0	34.4	4.7	7.8
Deltapine	DP 1823NR B2XF	1520	3515	43.2	1.21	85.4	34.0	4.4	7.7
Phytogen	PHY 350 W3FE	1505	3733	40.3	1.21	84.7	32.5	4.8	7.8
Americot	AMX 19A006 B3XF	1505	3799	39.6	1.25	83.5	36.2	4.1	7.5
Stoneville	ST 6182GLT	1504	3297	45.6	1.19	85.1	30.2	4.9	8.3
Phytogen	PHY 500 W3FE	1495	3473	43.1	1.19	83.4	34.1	4.1	7.3
Stoneville	ST 5600B2XF	1494	3521	42.4	1.21	85.1	34.6	5.1	8.4
Americot	AMX 1828 B3XF	1484	3509	42.3	1.19	84.3	33.7	4.9	7.7
Americot	AMX 1816 B3XF	1473	3884	37.9	1.23	83.8	32.0	4.3	6.9
Phytogen	PHY 340 W3FE	1466	3364	43.6	1.18	84.5	33.0	4.8	8.0
Americot	AMX 19A005 B3XF	1450	3479	41.7	1.19	84.5	31.5	4.5	7.4
UGA	GA 2016058	1434	3624	39.6	1.24	84.3	32.1	4.2	7.9
Phytogen	PHY 400 W3FE	1424	3346	42.6	1.19	84.1	33.6	4.5	7.5
Americot	NG 5711 B3XF	1406	3291	42.7	1.21	83.7	33.0	4.3	7.5
Dyna-Gro	Halo 959 B3XF	1395	3443	40.5	1.21	83.2	34.2	4.2	8.1
Dyna-Gro	DG 3520 B3XF	1388	3491	39.8	1.28	85.1	32.0	4.0	7.0
Phytogen	PX3C06W3FE	1377	3243	42.5	1.19	84.2	31.9	5.0	7.3
UGA	GA 2016090	1376	3394	40.6	1.26	83.9	35.8	4.3	7.9
Phytogen	PX5E28W3FE	1372	3473	39.5	1.23	85.3	33.0	4.0	7.4
Americot	NG 3930 B3XF	1370	3431	39.9	1.22	84.2	30.9	4.6	8.3
Seed Source Genetics	SSG HQ 210 CT	1367	3563	38.4	1.15	84.0	32.3	4.8	7.0
Stoneville	ST 5707B2XF	1361	3564	38.2	1.19	84.4	34.0	4.8	7.6
Americot	AMX 1818 B3XF	1309	3279	39.9	1.23	84.5	34.1	4.6	7.8
UGA	GA 2016016	1271	3140	40.5	1.22	84.0	35.7	4.9	7.7
Deltapine	18R628NRB3XF	1264	2923	43.3	1.15	83.5	35.1	5.0	8.3
UGA	GA 2016006	1264	2977	42.5	1.21	84.5	34.3	4.6	7.2
Seed Source Genetics	SSG UA 222	1262	3134	40.3	1.23	85.6	31.4	4.9	8.1

Plains, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Deltapine	DP 2055 B3XF	1240	2807	44.2	1.22	83.9	31.3	4.6	7.0
UGA	GA 2016060	1202	2892	41.6	1.23	84.5	35.0	4.8	8.2
Seed Source Genetics	SSG UA 114	1105	2952	37.4	1.21	86.1	34.6	5.0	8.1
Average		1492	3568	41.8	1.20	84.3	33.0	4.6	7.7
LSD at 10% Level		292	NS	1.1	0.04	1.0	2.1	0.3	0.6
Model R-square		0.33	0.30	0.95	0.83	0.77	0.81	0.83	0.80
CV %		16.7%	16.7%						
Full-Season Environment									
Phytogen	PHY 400 W3FE	1272	2904	43.8	1.17	84.1	34.9	4.8	7.9
Stoneville	ST 6182GLT	1237	2729	45.3	1.13	82.2	31.0	5.1	8.1
Stoneville	ST 5600B2XF	1233	2848	43.3	1.17	83.4	33.7	5.6	8.4
Dyna-Gro	DG 3615 B3XF	1227	2759	44.5	1.13	81.8	32.6	4.9	8.3
Phytogen	PX3D32W3FE	1217	2808	43.3	1.12	82.4	33.0	4.8	8.6
Phytogen	PHY 480 W3FE	1203	2904	41.4	1.17	84.5	32.5	4.7	8.2
Phytogen	PX3D43W3FE	1170	2686	43.5	1.07	82.6	32.7	5.0	8.8
Dyna-Gro	DG 3799 B3XF	1148	2662	43.1	1.17	82.5	32.9	4.9	7.9
Croplan	CP 3885 B2XF	1105	2571	43.0	1.12	83.8	30.5	4.9	8.2
Dyna-Gro	DG 3560 B2XF	1103	2535	43.5	1.21	85.3	36.2	5.1	8.0
Deltapine	DP 2055 B3XF	1102	2475	44.5	1.18	83.4	31.2	5.0	7.6
Phytogen	PHY 350 W3FE	1099	2632	41.8	1.14	84.3	33.4	5.0	8.0
Dyna-Gro	DG 3605 B2XF	1073	2438	44.0	1.21	83.4	30.9	4.9	7.8
Stoneville	ST 4550GLTP	1067	2396	44.5	1.06	82.0	29.8	4.8	8.4
Americot	NG 5711 B3XF	1056	2493	42.4	1.17	82.9	32.2	4.9	7.4
Stoneville	ST 5707B2XF	1044	2710	38.5	1.18	84.6	34.5	5.3	8.9
Phytogen	PX3C06W3FE	1042	2426	42.9	1.12	82.8	31.0	4.9	7.3
Deltapine	DP 1835 B3XF	1032	2291	45.1	1.13	82.3	32.1	4.9	7.8
Deltapine	DP 1646 B2XF	1023	2347	43.6	1.19	84.0	30.4	4.9	7.5
Deltapine	DP 1555 B2RF	1016	2218	45.8	1.17	83.1	35.1	5.2	8.4
Deltapine	DP 1851 B3XF	1013	2233	45.4	1.09	82.2	33.5	4.8	7.9
Stoneville	ST 5471GLTP	998	2402	41.6	1.14	82.1	32.9	4.8	7.7
UGA	GA 2016006	985	2287	43.1	1.19	82.8	34.7	4.6	7.8
Croplan	CP 9608 B3XF	985	2142	46.0	1.13	81.8	30.3	4.6	7.5
Stoneville	ST 5818GLT	967	2366	40.9	1.15	82.5	30.9	4.9	7.1
Croplan	CP 9830 B3XF	961	2094	45.9	1.17	82.0	33.4	4.4	8.1
Stoneville	BX 2076GLTP	940	2196	42.8	1.15	82.6	34.0	5.3	7.8
Deltapine	DP 1840 B3XF	938	2226	42.2	1.19	82.5	31.7	4.9	7.5
UGA	GA 2016058	931	2283	40.8	1.15	82.9	32.7	4.6	7.8
Dyna-Gro	DG 3526 B2XF	923	2081	44.4	1.11	83.2	30.3	5.0	7.7
UGA	GA 2016029	910	2123	42.9	1.19	83.3	34.3	5.1	8.5
Dyna-Gro	DG 3757 B2XF	902	2051	44.0	1.10	82.3	29.6	5.0	8.5
Phytogen	PHY 340 W3FE	897	2045	43.9	1.11	82.6	31.3	4.8	7.9
Americot	NG 3729 B2XF	849	2118	40.1	1.09	83.1	29.9	5.1	7.7
UGA	GA 2016090	830	2051	40.5	1.19	83.8	34.2	4.5	7.8
UGA	GA 2016016	829	1918	43.2	1.14	82.5	32.7	4.8	7.8
Americot	NG 4936 B3XF	816	2009	40.6	1.15	83.8	30.8	4.4	7.0
UGA	GA 2016060	679	1646	41.2	1.18	83.1	33.3	4.9	7.3
Average		1020	2369	43.1	1.15	83.0	32.4	4.9	7.9
LSD at 10% Level		202	464	1.6	0.04	1.3	2.3	0.4	0.7
Model R-square		0.55	0.54	0.87	0.84	0.73	0.75	0.72	0.69
CV %		16.5%	16.3%						

Plains, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b).

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 8 (Full-season) and June 5 (Short-season), 2019.
 Harvested: October 23 (Full-season) and November 20 (Short-season), 2019.
 Soil Type: Greenville sandy loam.
 Previous Crop: Peanuts.
 Soil Test: P = Medium, K = High, and pH = 6.1.
 Fertilization: 15 lb N, 90 lb P, and 0 lb K/acre. Sidedress: 90lb N/acre.
 Management: Conventional tillage. Reflex, Warrant, Staple and Envoke used for weed control. Bifenthrin and Bidrin for insect control. Stance for PGR. Prep, Dropp and Folex for defoliation.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	-----	6.7 inches	season total	-----	-----	-----
Rainfall (in):	0.8	1.5	7.3	4.8	1.0	4.8

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Short-Season Environment									
Dyna-Gro	Halo 959 B3XF	1720	4537	37.9	1.16	80.8	31.3	4.7	8.0
Dyna-Gro	DGX 18503B B3XF	1543	3840	40.2	1.13	81.5	31.5	4.8	8.0
Deltapine	DP 1916 B3XF	1502	3635	41.3	1.13	82.6	32.2	4.9	8.1
Phytogen	PX5C05W3FE	1454	3451	42.1	1.14	83.7	32.4	4.8	7.3
Stoneville	BX 2076GLTP	1437	3729	38.5	1.11	82.1	31.0	5.0	7.8
Stoneville	ST 5818GLT	1435	3838	37.4	1.14	82.0	30.8	4.6	7.0
Americot	NG 5711 B3XF	1435	3924	36.6	1.17	82.0	31.8	4.6	7.5
Phytogen	PX5C45W3FE	1393	3558	39.2	1.10	82.9	30.7	4.8	7.5
Deltapine	DP 1646 B2XF	1366	3545	38.5	1.14	81.3	28.5	4.8	6.9
Dyna-Gro	DG 3555 B3XF	1346	3489	38.6	1.13	83.1	31.7	4.5	7.5
Deltapine	DP 1725 B2XF	1330	3291	40.4	1.12	81.8	31.1	4.7	7.4
Stoneville	ST 5707B2XF	1323	3607	36.7	1.15	83.0	32.6	5.0	8.4
Phytogen	PX5E28W3FE	1307	3644	35.9	1.12	82.8	32.2	3.8	7.1
Stoneville	ST 6182GLT	1296	3139	41.3	1.11	82.5	30.5	4.8	7.7
Stoneville	ST 4550GLTP	1277	3210	39.8	1.08	81.4	29.5	4.8	8.0
Phytogen	PHY 500 W3FE	1272	3343	38.0	1.11	81.8	34.4	4.4	8.1
Americot	NG 4936 B3XF	1253	3300	38.0	1.16	82.9	31.4	4.7	6.9
Dyna-Gro	DG 3560 B2XF	1252	3073	40.7	1.21	84.1	35.2	5.1	8.0
Deltapine	18R628NRB3XF	1248	3051	40.9	1.10	82.4	33.0	4.7	7.9
Americot	AMX 19A005 B3XF	1248	3255	38.3	1.12	81.8	29.3	4.6	7.1
Phytogen	PHY 400 W3FE	1247	3357	37.1	1.12	81.9	30.7	4.4	7.7
Croplan	CP 9608 B3XF	1242	3103	40.0	1.10	80.2	28.7	4.8	8.0
Americot	AMX 19A006 B3XF	1236	3492	35.4	1.18	81.9	34.0	4.5	7.9
Croplan	CP 9178 B3XF	1234	3053	40.4	1.12	83.3	33.4	5.0	8.1
Phytogen	PHY 580 W3FE	1216	3165	38.4	1.09	82.3	31.1	5.0	8.2
Americot	NG 3729 B2XF	1215	3279	37.0	1.13	82.7	30.5	5.0	7.5
Deltapine	DP 2055 B3XF	1192	2995	39.8	1.15	81.0	30.6	4.9	7.3
Americot	AMX 1818 B3XF	1192	3120	38.2	1.15	83.0	33.8	4.7	7.4
Stoneville	ST 5471GLTP	1184	3215	36.8	1.11	81.5	31.8	4.4	7.6
Croplan	CP 9210 B3XF	1172	2866	40.9	1.13	83.5	31.9	5.1	7.7
Phytogen	PHY 480 W3FE	1166	3133	37.2	1.17	83.5	31.6	4.5	8.0
Phytogen	PX3D32W3FE	1165	3265	35.7	1.12	82.5	32.1	4.7	8.4
Seed Source Genetics	SSG HQ 210 CT	1159	3230	35.9	1.07	81.0	29.9	5.0	6.9
Seed Source Genetics	SSG UA 222	1140	3195	35.7	1.15	82.8	29.8	4.8	7.3
Americot	NG 3994 B3XF	1135	2856	39.7	1.12	81.8	30.7	4.9	8.0
Stoneville	ST 5600B2XF	1132	2864	39.5	1.15	84.1	31.6	5.5	8.2
UGA	GA 2016029	1122	2856	39.3	1.16	83.0	34.0	4.6	7.5
Phytogen	PX3C06W3FE	1121	3137	35.7	1.13	82.0	31.4	4.3	7.5
UGA	GA 2016090	1091	2873	38.0	1.17	83.4	33.8	4.5	7.2
Dyna-Gro	DG 3402 B3XF	1088	2782	39.1	1.13	82.5	30.7	4.7	7.9
Americot	NG 3522 B2XF	1088	2880	37.8	1.05	80.5	26.4	4.8	7.9
Seed Source Genetics	SSG UA 114	1083	3138	34.5	1.13	83.0	30.5	4.8	7.6
Phytogen	PHY 340 W3FE	1074	2754	39.0	1.15	83.7	32.4	4.7	7.7
Phytogen	PHY 350 W3FE	1074	2880	37.3	1.14	83.6	32.9	4.8	7.8
Dyna-Gro	DG 3520 B3XF	1071	3216	33.3	1.19	81.6	31.2	4.3	7.7
Phytogen	PX3D43W3FE	1065	2824	37.7	1.10	82.3	32.5	4.8	8.3
Phytogen	PX5E34W3FE	1035	3022	34.3	1.15	83.1	32.8	4.2	7.7
Americot	AMX 1828 B3XF	1022	2767	36.9	1.14	83.1	31.4	4.9	7.6
Dyna-Gro	DG 3470 B3XF	1009	2552	39.5	1.14	82.4	31.6	4.6	7.7
Americot	NG 3930 B3XF	996	2743	36.3	1.12	82.6	30.1	4.7	8.1
Deltapine	DP 1823NR B2XF	987	2542	38.8	1.14	83.0	31.8	4.7	7.9
UGA	GA 2016016	975	2547	38.3	1.17	81.6	35.1	4.6	7.7
Americot	AMX 1816 B3XF	967	2941	32.9	1.15	82.1	31.6	4.1	7.7

Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
UGA	GA 2016060	925	2568	36.0	1.14	82.8	33.2	4.7	7.4
UGA	GA 2016006	923	2436	37.9	1.17	83.8	32.9	5.0	7.0
UGA	GA 2016058	781	2212	35.3	1.17	82.3	32.9	4.5	7.6
Average		1196	3148	38.0	1.13	82.4	31.6	4.7	7.7
LSD at 10% Level		216	571	1.9	0.04	1.6	2.5	0.3	0.5
Model R-square		0.56	0.52	0.88	0.73	0.67	0.72	0.82	0.78
CV %		15.4%	15.5%						
Full-Season Environment									
Dyna-Gro	DG 3615 B3XF	2310	5588	41.3	1.13	81.1	30.7	4.8	9.0
Dyna-Gro	DG 3799 B3XF	2028	4919	41.2	1.08	80.1	30.5	5.1	8.7
Croplan	CP 9830 B3XF	1737	3983	43.6	1.17	82.0	30.3	4.7	8.2
Stoneville	ST 5707B2XF	1642	4244	38.7	1.14	83.3	32.9	5.1	9.2
Croplan	CP 9608 B3XF	1606	3839	41.8	1.08	81.6	26.5	4.7	8.2
Stoneville	ST 5471GLTP	1586	4145	38.3	1.14	82.2	30.5	4.6	7.5
Dyna-Gro	DG 3605 B2XF	1583	3844	41.2	1.14	81.4	29.1	4.7	7.6
Deltapine	DP 1555 B2RF	1580	3771	41.9	1.06	80.7	29.4	5.0	8.2
Deltapine	DP 2055 B3XF	1580	3790	41.7	1.15	82.3	30.4	4.9	8.0
Deltapine	DP 1840 B3XF	1569	4010	39.1	1.13	82.2	31.0	4.8	8.1
Croplan	CP 3885 B2XF	1546	3851	40.2	1.09	82.2	28.9	5.0	8.5
Stoneville	ST 5818GLT	1545	4048	38.2	1.10	81.8	29.6	4.5	7.3
Dyna-Gro	DG 3560 B2XF	1541	3887	39.7	1.18	84.4	34.0	5.1	8.8
Americot	NG 5711 B3XF	1534	3922	39.1	1.11	80.0	30.2	4.8	8.0
UGA	GA 2016029	1529	3698	41.4	1.14	83.0	32.4	4.9	8.5
Phytogen	PX3D43W3FE	1516	3842	39.5	1.09	82.6	32.2	4.6	8.6
Stoneville	ST 4550GLTP	1516	3663	41.4	1.09	82.3	30.5	5.0	8.4
Deltapine	DP 1851 B3XF	1481	3712	39.9	1.09	81.9	32.3	4.7	8.6
Phytogen	PHY 400 W3FE	1479	3860	38.3	1.09	81.0	30.8	4.5	8.1
Stoneville	ST 6182GLT	1447	3392	42.7	1.09	81.6	29.2	4.9	8.2
UGA	GA 2016016	1447	3673	39.4	1.17	81.7	34.0	4.7	7.9
Stoneville	BX 2076GLTP	1445	3531	40.9	1.09	82.7	30.9	5.3	7.9
Dyna-Gro	DG 3526 B2XF	1439	3606	39.9	1.14	82.7	30.9	4.6	8.4
Phytogen	PHY 350 W3FE	1410	3690	38.2	1.13	83.2	31.7	4.8	8.5
Stoneville	ST 5600B2XF	1387	3532	39.3	1.11	83.6	31.7	5.3	8.8
Phytogen	PHY 480 W3FE	1377	3468	39.7	1.10	82.9	31.6	4.6	9.0
Phytogen	PHY 340 W3FE	1368	3414	40.1	1.13	82.5	30.8	4.8	8.4
Deltapine	DP 1835 B3XF	1358	3374	40.3	1.10	81.4	29.9	4.5	8.1
UGA	GA 2016058	1354	3502	38.7	1.14	81.7	32.4	4.7	8.0
Dyna-Gro	DG 3757 B2XF	1353	3409	39.7	1.09	82.4	27.6	4.6	8.9
Americot	NG 4936 B3XF	1330	3544	37.5	1.12	82.4	32.1	4.3	7.6
UGA	GA 2016090	1321	3516	37.6	1.15	82.1	31.0	4.5	7.7
Deltapine	DP 1646 B2XF	1292	3223	40.1	1.13	81.3	29.1	4.7	7.8
UGA	GA 2016060	1289	3331	38.7	1.13	81.9	30.7	4.7	7.8
Phytogen	PX3C06W3FE	1285	3403	37.8	1.08	80.7	29.4	4.4	7.6
Americot	NG 3729 B2XF	1198	3142	38.1	1.08	82.3	28.3	4.8	7.9
Phytogen	PX3D32W3FE	1182	3161	37.4	1.15	82.5	32.7	4.6	8.4
UGA	GA 2016006	1054	2711	38.9	1.14	82.7	31.3	4.4	8.0
Average		1480	3717	39.8	1.12	82.0	30.7	4.7	8.2
LSD at 10% Level		237	592	1.4	0.04	1.1	2.0	0.4	0.5
Model R-square		0.62	0.57	0.88	0.78	0.79	0.79	0.71	0.85
CV %		13.6%	13.6%						

Tifton, Georgia: Cotton Variety Performance, 2019, Irrigated (Continued)

1. Determined using the Micro-Gin located on the UGA Tifton Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 2, 2019.
 Harvested: October 2, 2019.
 Soil Type: Tifton loamy sand.
 Previous Crop: Peanut.
 Soil Test: P = Low, K = Low, and pH = 6.5.
 Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N, 35 lb K/acre.
 Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant and Select used for weed control. Besiege, Knack and Agri-Mek for insect control. Mepiquat chloride used for PGR. Folex, Detach Ultra, Prep and ET used for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.
Irrigation (in):	2.0	2.0	3.0	1.0	3.0
Rainfall (in):	1.3	6.6	4.2	6.5	0.5

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Athens, Georgia: Cotton Variety Performance, 2019, Dryland

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Short-Season Environment									
Phytogen	PX3D32W3FE	1518	3354	45.2	1.17	84.1	33.1	4.8	8.2
Americot	AMX 19A006 B3XF	1502	3344	42.8	1.18	83.4	36.0	4.9	7.9
Dyna-Gro	DG 3555 B3XF	1483	3135	46.1	1.21	85.2	32.7	4.3	7.6
Dyna-Gro	Halo 959 B3XF	1473	3199	43.8	1.13	82.9	31.4	5.0	7.6
Deltapine	DP 1725 B2XF	1465	2931	47.4	1.11	82.5	29.9	4.7	7.6
Dyna-Gro	DG 3402 B3XF	1448	3157	44.7	1.12	82.5	31.2	4.5	7.7
Phytogen	PHY 340 W3FE	1386	2881	46.8	1.13	84.4	31.1	4.9	8.4
Phytogen	PX3C06W3FE	1384	3057	45.3	1.10	81.7	29.3	5.1	6.9
Dyna-Gro	DGX 18503B B3XF	1376	2984	46.1	1.11	82.9	32.7	4.7	8.1
Phytogen	PHY 500 W3FE	1370	3020	45.4	1.11	83.0	34.4	4.4	7.6
Phytogen	PHY 400 W3FE	1364	2800	46.1	1.13	82.6	32.5	4.7	7.8
Stoneville	ST 6182GLT	1360	2728	48.4	1.09	82.7	28.9	5.1	8.1
Phytogen	PHY 480 W3FE	1358	2903	45.5	1.10	84.6	30.9	4.6	8.3
Stoneville	ST 4550GLTP	1351	2846	47.5	1.10	82.6	30.6	5.0	8.5
Americot	NG 4936 B3XF	1346	3004	43.6	1.15	84.0	29.9	4.7	7.2
Dyna-Gro	DG 3560 B2XF	1340	2875	46.6	1.17	84.4	35.2	5.2	8.2
Americot	AMX 1816 B3XF	1336	3048	42.7	1.15	83.5	30.9	3.9	7.4
Americot	NG 3522 B2XF	1323	2881	44.7	1.04	81.8	26.8	5.0	8.5
Phytogen	PHY 580 W3FE	1320	2700	47.5	1.06	82.9	31.4	4.3	8.0
Phytogen	PX3D43W3FE	1310	2729	46.6	1.09	83.7	32.8	5.1	8.6
Croplan	CP 9178 B3XF	1300	2757	45.8	1.08	83.2	32.2	4.9	8.6
Stoneville	ST 5818GLT	1298	2845	44.4	1.10	81.5	32.4	4.9	6.9
Phytogen	PX5E34W3FE	1291	2938	41.6	1.10	83.3	33.1	4.1	7.7
Phytogen	PX5C05W3FE	1282	2620	47.5	1.04	82.7	30.3	4.7	8.3
Dyna-Gro	DG 3520 B3XF	1281	2824	45.4	1.19	85.6	33.8	4.4	7.4
Deltapine	DP 1916 B3XF	1281	2773	46.2	1.09	82.5	31.3	4.8	8.2
Phytogen	PX5C45W3FE	1268	2656	46.3	1.10	83.3	32.2	4.4	7.9
Croplan	CP 9608 B3XF	1265	2583	47.5	1.08	82.2	27.4	4.7	8.3
Deltapine	DP 1646 B2XF	1254	2634	46.2	1.13	83.3	28.6	4.8	7.5
Deltapine	DP 2055 B3XF	1246	2634	45.9	1.16	83.1	31.5	4.7	7.8
Stoneville	ST 5471GLTP	1242	2721	44.3	1.09	81.7	29.6	4.7	7.6
Americot	NG 5711 B3XF	1237	2656	45.2	1.13	84.0	31.9	4.5	7.7
Stoneville	BX 2076GLTP	1223	2576	46.0	1.10	82.0	31.9	5.2	7.7
Deltapine	DP 1823NR B2XF	1217	2296	46.5	1.11	82.8	31.7	4.6	8.0
Croplan	CP 9210 B3XF	1210	2614	46.3	1.14	83.8	32.6	5.2	8.4
Americot	NG 3994 B3XF	1207	2525	46.3	1.11	82.6	29.3	5.2	8.3
Americot	NG 3729 B2XF	1202	2701	44.5	1.11	83.1	29.6	5.0	8.0
Stoneville	ST 5707B2XF	1195	2854	41.9	1.11	83.6	34.2	5.0	8.3
Americot	AMX 1818 B3XF	1191	2560	43.8	1.11	82.8	32.5	4.8	7.9
Stoneville	ST 5600B2XF	1172	2556	45.9	1.10	83.8	30.3	5.5	8.6
Dyna-Gro	DG 3470 B3XF	1156	2527	45.7	1.12	82.5	32.2	4.8	8.2
Americot	AMX 1828 B3XF	1143	2592	44.1	1.12	83.9	30.7	4.9	7.5
Americot	AMX 19A005 B3XF	1124	2380	45.7	1.12	83.5	29.7	4.9	7.2
Phytogen	PHY 350 W3FE	1119	2491	44.9	1.11	83.3	31.4	4.7	8.4
Phytogen	PX5E28W3FE	1115	2599	42.9	1.11	83.2	33.7	4.3	7.8
Seed Source Genetics	SSG UA 222	1026	2264	43.7	1.11	83.2	31.0	4.6	7.5
UGA	GA 2016016	974	2229	43.7	1.13	82.3	31.7	4.8	7.4
Seed Source Genetics	SSG UA 114	968	2338	41.4	1.13	84.6	32.9	4.9	7.5
Deltapine	18R628NRB3XF	959	2047	46.8	1.09	83.0	32.2	4.9	8.0
UGA	GA 2016029	936	2011	46.5	1.11	82.5	31.2	5.2	7.8
Americot	NG 3930 B3XF	888	1989	44.7	1.17	84.6	31.8	4.8	7.9
UGA	GA 2016060	847	1917	44.2	1.13	83.3	32.1	4.9	7.3
Seed Source Genetics	SSG HQ 210 CT	717	1669	41.0	1.03	82.1	29.3	5.2	7.5

Athens, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
UGA	GA 2016090	687	1547	44.4	1.15	83.9	32.3	4.6	7.7
UGA	GA 2016006	678	1510	44.9	1.13	83.1	30.9	4.6	7.6
UGA	GA 2016058	581	1343	43.2	1.16	82.6	32.3	4.7	7.4
Average		1207	2613	45.1	1.12	83.2	31.5	4.8	7.9
LSD at 10% Level		193	390	1.4	0.04	1.2	1.5	0.3	0.5
Model R-square		0.72	0.74	0.89	0.84	0.76	0.89	0.87	0.80
CV %		13.7%	12.7%						
Full-Season Environment									
Phytogen	PX3C06W3FE	1442	2966	44.8	1.12	82.6	29.7	5.1	6.9
Phytogen	PX3D32W3FE	1396	2725	45.0	1.19	84.6	34.0	4.8	8.2
Dyna-Gro	DG 3799 B3XF	1379	2910	45.4	1.12	81.9	31.9	4.4	8.0
Dyna-Gro	DG 3560 B2XF	1261	2737	46.1	1.18	84.5	35.6	5.0	8.2
Deltapine	DP 1646 B2XF	1260	2458	46.5	1.16	83.1	30.5	4.9	7.1
Dyna-Gro	DG 3757 B2XF	1251	2547	46.8	1.10	82.9	28.3	4.9	8.5
Phytogen	PX3D43W3FE	1245	2569	46.2	1.10	83.8	33.5	5.0	8.4
Phytogen	PHY 340 W3FE	1206	2429	45.0	1.09	83.0	32.0	4.5	8.2
Croplan	CP 9608 B3XF	1197	2401	47.4	1.10	81.6	29.3	4.5	8.2
Stoneville	ST 5707B2XF	1182	2794	40.5	1.12	83.3	34.0	4.8	8.5
Stoneville	ST 5471GLTP	1154	2547	43.2	1.09	82.0	30.4	4.9	7.2
Americot	NG 3729 B2XF	1149	2730	42.1	1.12	82.0	30.7	5.1	7.4
Stoneville	ST 5818GLT	1148	2606	44.0	1.12	82.8	31.0	4.6	7.3
Stoneville	ST 4550GLTP	1140	2410	47.3	1.11	83.6	32.0	4.8	8.2
Deltapine	DP 2055 B3XF	1124	2233	45.3	1.18	82.6	32.5	4.6	7.6
Phytogen	PHY 400 W3FE	1119	2387	44.5	1.13	82.6	34.0	4.6	7.6
Deltapine	DP 1851 B3XF	1113	2219	45.1	1.13	83.9	34.3	4.8	8.1
Stoneville	BX 2076GLTP	1112	2314	45.6	1.13	83.7	33.8	5.1	7.5
Croplan	CP 9830 B3XF	1103	2184	47.8	1.19	83.1	31.1	4.2	7.6
Croplan	CP 3885 B2XF	1095	2293	45.3	1.08	82.7	30.0	4.9	8.3
Deltapine	DP 1555 B2RF	1090	2066	47.1	1.11	82.0	32.1	4.7	7.7
Phytogen	PHY 480 W3FE	1053	2081	45.2	1.12	84.1	31.8	4.5	8.4
Dyna-Gro	DG 3615 B3XF	1050	2191	45.4	1.13	83.4	32.3	4.7	8.5
Deltapine	DP 1835 B3XF	1044	2089	47.2	1.12	82.7	31.3	4.8	8.0
Stoneville	ST 6182GLT	1035	2164	47.8	1.09	83.5	30.2	4.7	7.9
Phytogen	PHY 350 W3FE	1008	2060	46.1	1.14	84.3	31.9	4.9	8.1
Americot	NG 4936 B3XF	993	2148	43.7	1.13	83.0	30.5	4.6	7.1
Americot	NG 5711 B3XF	970	2068	44.2	1.13	82.6	32.1	4.3	8.1
Dyna-Gro	DG 3526 B2XF	952	1989	47.9	1.08	83.1	28.8	4.8	7.9
Deltapine	DP 1840 B3XF	927	2017	43.3	1.13	82.6	31.1	4.3	7.7
Dyna-Gro	DG 3605 B2XF	913	1718	46.4	1.17	83.2	30.4	4.7	7.5
Stoneville	ST 5600B2XF	847	1917	44.2	1.10	82.9	32.0	5.3	8.7
UGA	GA 2016029	676	1510	44.8	1.17	82.5	34.2	4.8	7.7
UGA	GA 2016060	632	1437	43.9	1.13	83.5	32.1	4.6	7.3
UGA	GA 2016058	555	1285	43.2	1.15	82.8	33.1	4.5	7.7
UGA	GA 2016090	554	1256	44.1	1.15	83.3	34.4	4.4	7.4
UGA	GA 2016006	528	1191	44.4	1.15	82.2	31.8	4.6	7.5
UGA	GA 2016016	496	1125	44.1	1.11	81.7	32.5	4.8	7.8
Average		1037	2178	45.2	1.13	83.0	31.9	4.7	7.8
LSD at 10% Level		218	439	1.4	0.04	1.4	1.9	0.3	0.4
Model R-square		0.70	0.70	0.89	0.78	0.61	0.83	0.78	0.86
CV %		17.9%	17.1%						

Athens, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 1, 2019.
Harvested: October 2, 2019.
Soil Type: Wehadkee loam.
Previous Crop: Corn.
Soil Test: P = Medium, K = High, and pH = 6.4.
Fertilization: 26 lb N, 130 lb P, and 240 lb K/acre. Sidedress: 74 lb N/acre.
Management: Conventional tillage. Prowl, Reflex, Cotoran and Poast used for weed control. Folex and ethephon used for defoliation.

	May	June	July	Aug.	Sept.
Rainfall (in):	2.0	5.6	1.3	2.6	0.4

Test conducted by H. Jordan, G. Ware, C. Fox, J. Griffin, and K. Roach.

Midville, Georgia: Cotton Variety Performance, 2019, Dryland

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Mid-Season Environment									
Dyna-Gro	Halo 959 B3XF	1123	2698	41.6	1.12	81.5	32.3	4.6	7.9
Dyna-Gro	DG 3555 B3XF	1117	2529	44.2	1.11	83.2	32.4	4.8	7.7
Dyna-Gro	DG 3799 B3XF	1110	2468	45.0	1.10	81.4	31.3	4.7	7.3
Dyna-Gro	DGX 18503B B3XF	1108	2475	44.8	1.09	82.2	29.5	4.8	8.0
Deltapine	DP 1835 B3XF	1071	2275	47.1	1.04	80.9	26.7	4.7	7.7
Dyna-Gro	DG 3520 B3XF	1070	2487	43.0	1.14	83.4	33.1	3.8	7.2
Deltapine	DP 1555 B2RF	1066	2291	46.5	1.04	81.5	30.9	4.8	8.2
Dyna-Gro	DG 3615 B3XF	1036	2299	45.1	1.07	82.2	31.0	4.8	8.0
Americot	NG 3729 B2XF	996	2408	41.4	1.11	82.7	30.3	4.7	7.8
UGA	GA 2016029	994	2250	44.2	1.13	83.2	31.5	4.8	7.7
Phytogen	PX5C45W3FE	993	2090	47.5	1.01	81.2	29.4	4.5	8.0
Dyna-Gro	DG 3402 B3XF	986	2275	43.4	1.13	83.0	31.8	4.4	7.8
Seed Source Genetics	SSG UA 222	984	2481	39.7	1.11	82.5	30.4	4.2	7.6
Phytogen	PX5E28W3FE	975	2093	46.6	1.09	82.6	33.9	4.2	7.3
Stoneville	ST 4550GLTP	975	2172	44.9	1.09	83.3	32.1	4.5	8.4
Phytogen	PX3C06W3FE	972	2184	44.5	1.07	82.0	30.7	4.3	7.2
Croplan	CP 9178 B3XF	969	2148	45.1	1.07	82.1	29.9	4.7	8.0
Phytogen	PHY 500 W3FE	968	2087	46.4	1.08	82.9	34.2	4.4	8.0
Deltapine	DP 1646 B2XF	956	2172	44.0	1.12	82.2	28.7	4.7	7.1
Phytogen	PHY 400 W3FE	953	2178	43.8	1.10	81.5	31.1	3.8	8.2
Seed Source Genetics	SSG UA 114	949	2384	39.8	1.13	83.6	33.3	4.2	7.3
Stoneville	ST 5471GLTP	947	2215	42.7	1.05	81.1	29.5	4.8	7.6
Dyna-Gro	DG 3757 B2XF	943	2081	45.3	1.04	81.1	26.7	4.9	8.6
Phytogen	PX3D32W3FE	941	2172	43.3	1.13	81.8	30.2	4.2	8.6
Dyna-Gro	DG 3470 B3XF	939	2221	42.3	1.14	83.5	31.6	5.1	7.9
UGA	GA 2016060	935	2242	41.7	1.11	82.7	31.9	4.5	7.8
Dyna-Gro	DG 3526 B2XF	934	2063	45.3	1.06	82.1	29.7	4.8	7.8
Deltapine	DP 1840 B3XF	930	2190	42.4	1.08	82.1	29.7	4.7	7.4
Phytogen	PHY 580 W3FE	924	1942	47.6	1.04	80.3	29.4	4.4	7.7
Deltapine	DP 1851 B3XF	921	2039	45.2	1.08	82.4	32.1	4.9	8.1
Stoneville	ST 5707B2XF	915	2293	39.9	1.11	82.9	33.2	4.9	8.2
Stoneville	BX 2076GLTP	915	2063	44.3	1.08	81.8	32.7	5.0	7.3
Croplan	CP 3885 B2XF	914	2021	45.2	1.02	81.4	26.7	4.9	8.3
Dyna-Gro	DG 3560 B2XF	909	1984	45.8	1.17	83.9	36.0	5.3	8.1
Americot	AMX 19A005 B3XF	907	2099	43.2	1.12	83.3	28.8	4.7	7.3
Dyna-Gro	DG 3605 B2XF	901	2041	44.2	1.12	81.4	30.3	4.4	7.1
Phytogen	PX3D43W3FE	896	2039	44.0	1.05	83.1	31.3	4.7	8.4
Phytogen	PHY 340 W3FE	892	1966	45.4	1.08	81.8	29.5	4.5	8.7
UGA	GA 2016016	889	2063	43.1	1.11	81.4	31.5	4.7	7.4
Stoneville	ST 5818GLT	874	2063	42.4	1.06	80.8	30.5	4.6	7.2
Americot	AMX 1818 B3XF	869	2009	43.3	1.07	82.2	31.3	4.6	7.8
Americot	NG 3522 B2XF	869	2081	41.7	1.01	80.3	25.6	4.5	8.4
Americot	AMX 1816 B3XF	864	1984	43.5	1.16	82.0	30.2	4.6	7.5
Deltapine	DP 2055 B3XF	862	1906	45.2	1.12	81.3	30.0	4.8	7.6
Stoneville	ST 6182GLT	862	1864	46.2	1.06	81.6	28.5	4.9	7.7
Americot	NG 4936 B3XF	849	2069	41.0	1.12	82.8	29.8	4.4	6.9
Croplan	CP 9210 B3XF	845	1863	45.3	1.11	82.2	30.2	5.3	8.3
Croplan	CP 9608 B3XF	837	1797	46.6	1.06	82.3	26.1	4.9	8.3
Americot	AMX 19A006 B3XF	827	2003	41.3	1.15	82.0	36.1	4.4	8.1
Americot	NG 3930 B3XF	826	1976	41.8	1.10	82.1	29.9	4.0	7.9
Phytogen	PHY 350 W3FE	824	1845	44.7	1.06	82.5	29.9	4.2	8.3
Phytogen	PX5C05W3FE	819	1724	47.5	0.97	82.0	28.4	4.6	8.4

Midville, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Phytogen	PHY 480 W3FE	813	1864	43.6	1.05	83.0	30.7	4.6	8.7
Americot	NG 3994 B3XF	800	1799	44.5	1.08	81.7	30.0	4.6	8.4
Americot	NG 5711 B3XF	800	1882	42.5	1.09	81.6	28.6	4.5	7.9
Deltapine	DP 1725 B2XF	794	1809	43.9	1.06	81.0	28.7	4.6	7.8
Croplan	CP 9830 B3XF	791	1688	46.9	1.15	81.3	30.1	4.6	7.6
Stoneville	ST 5600B2XF	782	1736	45.1	1.06	83.1	30.8	5.3	8.6
UGA	GA 2016090	780	1839	42.4	1.12	83.0	34.7	4.3	7.4
Americot	AMX 1828 B3XF	757	1748	43.3	1.08	82.0	31.1	4.8	8.1
Seed Source Genetics	SSG HQ 210 CT	743	1930	38.5	1.03	80.8	29.8	4.3	7.6
Phytogen	PX5E34W3FE	718	1749	41.1	1.06	82.3	33.6	4.5	7.4
Deltapine	18R628NRB3XF	706	1537	46.0	1.08	82.4	33.0	4.4	7.5
UGA	GA 2016006	694	1616	43.0	1.09	82.2	31.2	4.7	7.5
UGA	GA 2016058	682	1627	41.9	1.13	82.1	31.1	4.4	7.7
Deltapine	DP 1916 B3XF	672	1513	44.4	1.04	81.6	30.2	4.8	8.1
Deltapine	DP 1823NR B2XF	656	1464	44.8	1.11	82.2	31.8	4.6	8.3
Average		897	2046	43.9	1.08	82.1	30.7	4.6	7.8
LSD at 10% Level		142	322	2.0	0.05	1.4	2.1	0.4	0.6
Model R-square		0.55	0.57	0.86	0.76	0.64	0.85	0.79	0.77
CV %		13.3%	13.2%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 6, 2019.

Harvested: October 11, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Cotton.

Soil Test: P = Medium, K = Medium, and pH = 6.4.

Fertilization: 30 lb N, 50 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA and Envoke used for weed control. Prevathon, Bidrin and acephate for insect control. Mepiquat used for PGR.

Folex, Dropp and Ethepon for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	1.8	3.3	2.5	5.5	0.5	0.0

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Plains, Georgia: Cotton Variety Performance, 2019, Dryland

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Short-Season Environment									
Stoneville	ST 5471GLTP	699	1779	39.3	1.15	82.2	31.3	4.2	7.9
Deltapine	DP 1725 B2XF	679	1603	42.4	1.17	82.0	30.8	4.5	8.0
Americot	NG 4936 B3XF	642	1712	37.5	1.21	84.3	31.3	4.5	7.2
Phytogen	PX5E28W3FE	632	1615	39.1	1.17	83.7	33.8	4.1	7.6
Dyna-Gro	DG 3555 B3XF	631	1627	38.8	1.21	84.8	33.9	4.1	7.7
Croplan	CP 9210 B3XF	606	1549	39.1	1.19	84.6	33.8	4.9	8.5
Stoneville	BX 2076GLTP	605	1513	40.0	1.15	83.2	33.2	5.0	8.4
Phytogen	PX3D43W3FE	595	1513	39.4	1.11	83.4	33.6	4.4	8.9
Phytogen	PHY 340 W3FE	583	1446	40.3	1.15	83.4	30.7	4.3	8.7
Phytogen	PX5C05W3FE	578	1355	42.6	1.14	83.8	32.9	4.6	8.2
Stoneville	ST 6182GLT	577	1289	44.8	1.11	84.2	29.4	4.7	8.8
Deltapine	DP 1646 B2XF	571	1404	40.7	1.25	84.0	32.2	4.4	7.5
Dyna-Gro	DGX 18503B B3XF	559	1343	41.6	1.14	81.1	31.7	4.3	8.6
Phytogen	PHY 400 W3FE	555	1404	39.5	1.19	83.5	34.3	3.9	8.5
Phytogen	PHY 580 W3FE	546	1301	42.0	1.15	83.8	32.2	4.4	8.1
Phytogen	PX3C06W3FE	545	1349	40.4	1.19	83.9	31.5	4.1	7.5
Phytogen	PX5E34W3FE	540	1410	38.3	1.16	84.0	35.2	4.0	8.2
Seed Source Genetics	SSG UA 114	539	1265	42.6	1.21	85.9	34.8	5.0	8.3
Croplan	CP 9178 B3XF	538	1386	38.8	1.17	82.7	35.2	4.5	8.6
Stoneville	ST 5818GLT	536	1410	38.0	1.15	82.8	31.8	4.1	7.8
Americot	AMX 19A006 B3XF	535	1470	36.4	1.26	83.3	36.8	3.9	8.6
Phytogen	PX5C45W3FE	530	1265	41.9	1.12	83.2	30.8	4.4	8.2
Americot	NG 3729 B2XF	524	1349	38.8	1.19	83.8	31.8	4.7	8.6
Americot	NG 3522 B2XF	521	1343	38.8	1.09	82.1	28.1	4.6	8.7
Deltapine	DP 1916 B3XF	516	1301	39.6	1.14	82.7	34.4	4.4	8.9
Dyna-Gro	Halo 959 B3XF	514	1379	37.3	1.13	81.5	31.2	3.8	8.7
Americot	AMX 1816 B3XF	512	1488	34.4	1.19	83.5	34.0	3.8	8.0
Croplan	CP 9608 B3XF	510	1210	42.2	1.15	82.7	31.7	4.5	8.4
Phytogen	PHY 480 W3FE	504	1265	39.9	1.12	83.7	32.5	4.4	7.8
Dyna-Gro	DG 3560 B2XF	500	1210	41.3	1.20	84.6	36.6	4.9	8.7
Phytogen	PHY 500 W3FE	493	1198	41.1	1.20	82.7	35.2	4.4	8.2
UGA	GA 2016029	493	1228	40.1	1.22	83.9	34.9	4.2	8.1
Dyna-Gro	DG 3520 B3XF	483	1337	36.1	1.25	84.7	35.2	3.7	7.8
Deltapine	18R628NRB3XF	478	1186	40.3	1.13	83.4	34.3	4.1	8.8
UGA	GA 2016060	468	1228	38.1	1.21	84.8	33.2	4.7	7.9
Americot	NG 3994 B3XF	467	1156	40.4	1.17	82.6	30.3	4.6	9.2
Americot	NG 3930 B3XF	466	1246	37.4	1.17	83.5	31.0	4.1	8.9
UGA	GA 2016058	458	1210	37.8	1.24	83.6	35.0	4.3	8.1
Phytogen	PX3D32W3FE	445	1192	37.3	1.21	82.6	35.4	4.2	9.0
Stoneville	ST 4550GLTP	444	1053	42.2	1.13	83.6	32.8	4.6	8.8
Seed Source Genetics	SSG HQ 210 CT	438	1120	39.2	1.08	82.1	32.5	4.8	8.1
Seed Source Genetics	SSG UA 222	438	1174	37.3	1.19	83.8	33.1	4.8	8.4
Deltapine	DP 2055 B3XF	435	1047	41.5	1.16	83.2	31.4	4.6	8.2
Dyna-Gro	DG 3402 B3XF	433	1168	37.1	1.17	81.7	31.9	4.0	8.7
Americot	AMX 19A005 B3XF	432	1107	39.0	1.15	84.0	30.1	4.4	7.9
UGA	GA 2016016	432	1137	38.0	1.22	83.1	33.9	4.0	8.5
UGA	GA 2016090	431	1120	38.5	1.18	83.1	31.2	4.2	7.9
Stoneville	ST 5707B2XF	412	1144	36.0	1.20	83.6	36.3	4.5	8.1
Americot	NG 5711 B3XF	398	1065	37.4	1.15	82.9	32.1	4.4	8.1
Phytogen	PHY 350 W3FE	392	1011	38.8	1.17	84.6	33.3	4.4	8.6
Americot	AMX 1828 B3XF	386	1004	38.4	1.18	84.2	33.8	4.7	8.6
UGA	GA 2016006	378	974	38.7	1.17	83.6	33.2	4.3	8.1
Americot	AMX 1818 B3XF	366	980	37.3	1.19	83.9	35.8	4.4	8.5

Plains, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Dyna-Gro	DG 3470 B3XF	348	890	39.1	1.14	83.9	31.9	4.6	8.5
Stoneville	ST 5600B2XF	319	835	38.2	1.15	82.6	33.2	4.9	9.3
Deltapine	DP 1823NR B2XF	301	781	38.5	1.17	83.8	32.8	4.5	8.1
Average		499	1270	39.3	1.17	83.4	32.9	4.4	8.3
LSD at 10% Level		142	357	1.7	0.04	1.4	2.5	0.4	0.6
Model R-square		0.43	0.41	0.88	0.83	0.70	0.76	0.77	0.77
CV %		24.3%	24.0%						
Full-Season Environment									
Deltapine	DP 1840 B3XF	1212	2723	44.5	1.12	81.4	32.1	5.1	7.9
Dyna-Gro	DG 3757 B2XF	1194	2583	46.2	1.11	83.0	30.0	5.2	7.8
UGA	GA 2016029	1177	2644	44.5	1.15	80.9	31.6	4.9	7.9
Phytogen	PX3D32W3FE	1119	2602	43.0	1.19	83.8	33.1	5.0	7.9
Dyna-Gro	DG 3605 B2XF	1074	2475	43.4	1.13	81.9	31.6	4.8	8.0
Deltapine	DP 1555 B2RF	1062	2414	44.0	1.16	82.4	31.2	4.9	7.8
UGA	GA 2016058	1059	2468	42.9	1.14	82.6	31.7	5.1	7.7
Deltapine	DP 2055 B3XF	1059	2372	44.7	1.11	81.2	30.8	4.9	7.7
Phytogen	PX3D43W3FE	1055	2378	44.4	1.11	82.6	32.1	4.8	8.3
Deltapine	DP 1851 B3XF	1045	2287	45.7	1.08	82.4	30.8	5.2	8.0
Stoneville	ST 5818GLT	1039	2444	42.5	1.09	80.9	30.2	4.9	7.7
Dyna-Gro	DG 3799 B3XF	1031	2468	41.8	1.24	83.6	32.9	4.6	7.6
UGA	GA 2016006	1006	2227	45.2	1.13	83.0	33.8	5.1	8.3
UGA	GA 2016060	1005	2251	44.6	1.11	81.9	30.8	5.1	8.5
Dyna-Gro	DG 3560 B2XF	997	2287	43.6	1.16	82.1	33.1	4.9	8.2
Stoneville	ST 4550GLTP	990	2372	41.8	1.11	82.3	30.9	5.0	8.3
Phytogen	PHY 340 W3FE	990	2227	44.5	1.15	83.4	31.0	5.0	7.7
Phytogen	PX3C06W3FE	971	2281	42.6	1.11	81.6	29.7	4.9	8.0
Americot	NG 5711 B3XF	960	2202	43.6	1.13	82.5	31.4	4.7	7.8
Stoneville	ST 6182GLT	945	2239	42.2	1.13	82.4	31.2	4.9	8.0
Americot	NG 3729 B2XF	938	2257	41.6	1.11	82.2	30.4	4.8	7.8
Phytogen	PHY 350 W3FE	934	2233	41.8	1.21	83.2	33.0	4.9	8.5
Croplan	CP 3885 B2XF	921	2172	42.4	1.15	83.3	32.7	5.1	8.2
Phytogen	PHY 400 W3FE	913	2136	42.8	1.13	82.8	30.2	4.9	8.2
Stoneville	ST 5600B2XF	908	2233	40.7	1.19	82.9	35.1	4.8	8.3
Stoneville	ST 5471GLTP	902	2087	43.2	1.10	81.1	29.4	4.6	8.0
Deltapine	DP 1835 B3XF	895	2275	39.3	1.13	83.0	33.3	4.9	7.9
Deltapine	DP 1646 B2XF	884	2033	43.5	1.15	83.0	33.8	4.9	8.3
Stoneville	ST 5707B2XF	876	2105	41.6	1.12	81.6	31.4	5.1	7.8
Croplan	CP 9830 B3XF	864	2100	41.2	1.14	83.1	32.8	4.7	8.0
Phytogen	PHY 480 W3FE	862	2057	41.9	1.13	82.1	32.1	4.5	7.6
UGA	GA 2016016	860	1948	44.1	1.15	83.0	33.0	5.1	7.7
Americot	NG 4936 B3XF	855	2021	42.3	1.15	84.2	33.1	4.9	8.4
Stoneville	BX 2076GLTP	851	2027	42.0	1.15	81.9	31.8	5.0	8.3
Croplan	CP 9608 B3XF	826	1991	41.5	1.12	83.3	30.8	4.6	7.3
Dyna-Gro	DG 3615 B3XF	824	2166	38.1	1.21	84.9	36.6	4.7	8.4
UGA	GA 2016090	805	1930	41.7	1.13	82.8	33.0	5.0	8.2
Dyna-Gro	DG 3526 B2XF	754	1755	43.0	1.19	83.7	33.8	4.7	8.9
Average		965	2249	42.8	1.14	82.6	32.0	4.9	8.0
LSD at 10% Level		218	NS	NS	NS	NS	NS	NS	NS
Model R-square		0.34	0.27	0.59	0.58	0.48	0.51	0.52	0.44
CV %		19.3%	19.5%						

Plains, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b).

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 8 (Full-season) and June 5 (Short-season), 2019.

Harvested: October 23 (Full-season) and November 19 (Short-season), 2019.

Soil Type: Greenville sandy loam.

Previous Crop: Peanuts.

Fertilization: 15 lb N, 110 lb P, and 60 lb K/acre. Sidedress: 90lb N/acre.

Management: Conventional tillage. Reflex, Warrant, Staple and Envoke used for weed control. Bifenthrin and Bidrin for insect control. Stance for PGR. Prep, Dropp and Folex for defoliation.

	May	June	July	Aug.	Sept.	Oct.
Rainfall (in):	0.8	1.5	7.3	4.8	1.0	4.8

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Cotton Variety Performance, 2019, Dryland

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Short-Season Environment									
Croplan	CP 9608 B3XF	2338	4832	48.4	1.15	84.6	30.8	4.7	7.6
Deltapine	DP 1916 B3XF	2104	4485	46.9	1.16	85.0	33.7	5.1	7.9
Dyna-Gro	DGX 18503B B3XF	2053	4556	45.1	1.17	82.7	32.9	4.9	7.8
Deltapine	DP 2055 B3XF	1930	4259	45.3	1.22	84.1	32.0	4.9	6.9
Americot	NG 4936 B3XF	1909	4542	42.0	1.21	85.5	31.1	4.8	6.7
Dyna-Gro	Halo 959 B3XF	1895	4350	43.6	1.21	83.3	33.2	4.8	7.7
Phytogen	PX5C05W3FE	1879	3840	48.9	1.11	85.1	31.5	5.2	7.6
Phytogen	PHY 580 W3FE	1836	3836	47.9	1.15	85.4	33.0	4.9	7.5
Phytogen	PX3C06W3FE	1822	4122	44.2	1.17	84.3	30.4	5.1	6.3
Phytogen	PHY 500 W3FE	1816	3915	46.4	1.19	84.2	34.9	4.5	7.3
Dyna-Gro	DG 3520 B3XF	1780	4241	42.0	1.25	86.0	33.2	4.2	7.3
Phytogen	PX5C45W3FE	1780	3902	45.6	1.12	84.6	32.1	5.0	7.7
Phytogen	PHY 400 W3FE	1748	3872	45.2	1.19	84.4	33.6	4.8	7.0
Stoneville	BX 2076GLTP	1735	3860	45.0	1.17	83.7	33.2	5.3	7.5
Stoneville	ST 6182GLT	1733	3769	46.0	1.15	84.5	31.4	5.0	7.3
Croplan	CP 9178 B3XF	1710	3721	45.9	1.13	84.8	34.3	5.1	7.9
Phytogen	PX5E28W3FE	1709	4048	42.2	1.20	84.0	33.9	4.2	7.2
Stoneville	ST 5818GLT	1676	4017	41.7	1.14	83.1	32.2	4.8	6.6
Americot	AMX 1828 B3XF	1639	3679	44.5	1.18	84.7	33.3	5.2	7.3
Americot	AMX 19A005 B3XF	1626	3642	44.6	1.15	84.3	30.5	4.7	7.2
Phytogen	PX3D32W3FE	1589	3667	43.3	1.19	84.0	34.5	4.8	7.6
Americot	NG 3522 B2XF	1586	3709	42.8	1.11	84.4	29.0	4.7	8.0
Dyna-Gro	DG 3560 B2XF	1573	3455	45.5	1.26	85.8	36.5	5.5	8.1
Americot	AMX 19A006 B3XF	1566	3667	42.7	1.25	84.7	37.2	4.7	7.4
Stoneville	ST 5471GLTP	1563	3775	41.4	1.15	82.9	32.1	4.8	6.6
Croplan	CP 9210 B3XF	1557	3545	43.9	1.17	84.4	31.8	5.4	8.1
Americot	NG 3729 B2XF	1556	3703	42.0	1.14	84.5	30.6	5.2	7.4
Dyna-Gro	DG 3555 B3XF	1549	3636	42.6	1.16	85.2	32.2	4.6	7.7
UGA	GA 2016090	1523	3557	42.8	1.19	84.7	33.5	4.6	7.0
Phytogen	PHY 480 W3FE	1521	3521	43.2	1.15	85.5	32.1	4.8	7.9
Phytogen	PHY 350 W3FE	1520	3515	43.2	1.17	85.1	32.6	4.9	7.3
Stoneville	ST 5600B2XF	1512	3352	45.1	1.16	85.5	34.1	5.7	7.8
Stoneville	ST 4550GLTP	1508	3261	46.2	1.15	85.4	32.8	5.2	7.5
Deltapine	DP 1725 B2XF	1503	3291	45.7	1.17	85.5	32.4	5.2	6.9
Phytogen	PX5E34W3FE	1502	3546	42.4	1.18	84.4	32.7	4.3	6.9
Seed Source Genetics	SSG UA 222	1495	3667	40.8	1.17	85.1	31.3	5.0	6.6
Dyna-Gro	DG 3402 B3XF	1487	3455	43.0	1.21	85.5	33.8	5.0	7.5
Phytogen	PX3D43W3FE	1441	3358	42.9	1.15	84.7	34.1	4.7	7.5
UGA	GA 2016016	1435	3339	43.0	1.23	83.1	35.1	4.7	7.4
Stoneville	ST 5707B2XF	1435	3606	39.8	1.21	85.4	36.4	5.1	8.4
Deltapine	18R628NRB3XF	1428	3116	45.8	1.15	84.6	36.0	4.8	7.5
Deltapine	DP 1646 B2XF	1427	3176	44.9	1.21	84.0	31.2	4.9	6.9
Deltapine	DP 1823NR B2XF	1424	3110	45.8	1.19	84.9	33.2	4.6	7.5
UGA	GA 2016060	1423	3310	43.0	1.19	84.1	34.8	5.0	7.0
Americot	NG 5711 B3XF	1419	3213	44.2	1.17	84.0	32.0	5.0	7.1
Americot	NG 3930 B3XF	1419	3323	42.7	1.18	85.1	31.5	4.9	7.6
UGA	GA 2016029	1419	3219	44.1	1.21	83.5	35.0	5.1	7.4
Americot	NG 3994 B3XF	1414	3134	45.1	1.13	81.8	32.3	4.8	7.7
Seed Source Genetics	SSG HQ 210 CT	1393	3509	39.7	1.12	84.0	32.8	5.2	6.7
Dyna-Gro	DG 3470 B3XF	1366	3049	44.8	1.13	82.9	29.9	5.2	7.9
Phytogen	PHY 340 W3FE	1313	2868	45.8	1.17	85.1	32.6	4.7	7.5
Seed Source Genetics	SSG UA 114	1199	2995	40.0	1.17	86.2	33.7	5.1	7.1
Americot	AMX 1816 B3XF	1194	2983	40.0	1.21	84.5	32.5	4.7	7.6

Tifton, Georgia:
Cotton Variety Performance, 2019, Dryland (Continued)

Company or		Lint	Seed Cot.	Fiber Quality ²					
Brand Name	Variety	Yield	Yield	Lint ¹	Length	Uniformity	Strength	Micronaire	Yellowness ³
		lb/acre	lb/acre	%	inches	%	g/tex	units	grade
Americot	AMX 1818 B3XF	1192	2783	42.8	1.19	84.7	34.5	4.6	7.0
UGA	GA 2016006	1177	2698	43.6	1.19	84.2	33.2	4.6	6.5
UGA	GA 2016058	928	2220	41.8	1.22	85.6	33.1	4.5	7.2
Average		1568	3570	43.9	1.17	84.5	32.9	4.9	7.3
LSD at 10% Level		286	646	1.5	0.04	1.3	1.7	0.3	0.6
Model R-square		0.63	0.59	0.92	0.77	0.72	0.85	0.85	0.80
CV %		15.2%	15.0%						
Full-Season Environment									
Dyna-Gro	DG 3799 B3XF	2267	4967	45.6	1.14	83.6	33.4	5.0	8.0
Dyna-Gro	DG 3615 B3XF	1922	4229	45.4	1.17	83.1	32.0	5.0	7.8
Deltapine	DP 1851 B3XF	1899	4181	45.4	1.15	83.3	34.8	4.9	7.1
Deltapine	DP 1555 B2RF	1876	4090	45.9	1.17	84.6	32.9	4.9	7.5
Phytogen	PHY 480 W3FE	1856	4241	43.8	1.13	84.1	32.6	4.8	7.7
Croplan	CP 3885 B2XF	1853	4096	45.3	1.11	83.6	29.7	4.9	8.2
Deltapine	DP 1835 B3XF	1823	4005	45.5	1.17	84.0	31.3	5.1	7.5
Croplan	CP 9608 B3XF	1819	3914	46.5	1.15	83.5	30.5	4.9	7.4
Dyna-Gro	DG 3560 B2XF	1812	4029	45.0	1.21	84.9	35.2	5.2	7.8
Dyna-Gro	DG 3757 B2XF	1777	4078	43.6	1.13	83.9	28.8	5.0	8.3
Stoneville	ST 5707B2XF	1739	4320	40.3	1.17	84.9	34.8	5.2	8.7
Stoneville	BX 2076GLTP	1734	3817	45.4	1.15	84.1	31.7	5.3	7.2
Stoneville	ST 6182GLT	1723	3673	46.9	1.13	84.6	29.9	5.0	7.4
Phytogen	PHY 400 W3FE	1719	3902	44.1	1.17	83.7	31.9	4.7	7.6
Deltapine	DP 2055 B3XF	1691	3715	45.5	1.22	83.8	32.2	4.9	7.0
Deltapine	DP 1646 B2XF	1683	3691	45.6	1.19	83.8	31.1	5.1	6.8
Stoneville	ST 4550GLTP	1666	3654	45.6	1.15	84.2	33.4	4.9	7.7
Deltapine	DP 1840 B3XF	1636	3914	41.8	1.20	83.8	32.0	4.9	7.3
Stoneville	ST 5600B2XF	1614	3642	44.3	1.13	84.7	32.4	5.6	8.1
Dyna-Gro	DG 3526 B2XF	1603	3563	45.0	1.13	84.2	31.3	4.9	7.7
Stoneville	ST 5818GLT	1573	3787	41.5	1.15	83.6	32.7	4.7	6.5
Americot	NG 5711 B3XF	1559	3654	42.7	1.17	83.8	31.7	4.7	7.6
Croplan	CP 9830 B3XF	1531	3304	46.3	1.25	83.9	32.0	4.9	6.9
Phytogen	PX3D32W3FE	1512	3564	42.4	1.18	84.0	32.7	4.6	8.0
Dyna-Gro	DG 3605 B2XF	1444	3279	44.0	1.20	82.4	30.6	4.7	7.1
Phytogen	PHY 340 W3FE	1432	3213	44.6	1.15	83.4	32.7	4.8	7.6
UGA	GA 2016029	1422	3285	43.3	1.23	83.8	37.4	4.8	7.5
Phytogen	PX3D43W3FE	1408	3213	43.9	1.12	84.0	32.8	5.0	7.8
Americot	NG 4936 B3XF	1401	3310	42.3	1.19	85.7	31.9	4.9	6.8
Phytogen	PHY 350 W3FE	1398	3291	42.5	1.17	84.5	31.3	5.0	7.2
Stoneville	ST 5471GLTP	1397	3279	42.6	1.14	82.1	33.0	4.7	6.9
Americot	NG 3729 B2XF	1392	3321	41.9	1.15	84.2	29.9	5.1	7.3
UGA	GA 2016090	1363	3243	42.0	1.18	83.2	34.1	4.6	7.3
Phytogen	PX3C06W3FE	1346	3128	43.0	1.14	82.1	30.3	4.9	7.0
UGA	GA 2016016	1274	2953	43.2	1.18	84.6	35.7	4.8	7.4
UGA	GA 2016058	1212	2953	41.0	1.17	84.9	31.3	4.7	7.5
UGA	GA 2016060	1197	2916	41.0	1.17	83.8	31.9	4.9	7.1
UGA	GA 2016006	1091	2602	41.9	1.23	84.2	34.4	4.9	6.9
Average		1596	3632	43.9	1.17	83.9	32.3	4.9	7.4
LSD at 10% Level		230	522	1.7	0.04	1.2	2.0	0.3	0.4
Model R-square		0.77	0.74	0.87	0.77	0.67	0.82	0.69	0.87
CV %		12.3%	12.2%						

Tifton, Georgia: Cotton Variety Performance, 2019, Dryland (Continued)

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.
2. Obtained from USDA classing office in Macon, Georgia.
3. Color grade (+b).

"NS" indicates differences are statistically non-significant ($p = 0.10$ probability level).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 1, 2019.

Harvested: October 3, 2019.

Soil Type: Tifton loamy sand.

Previous Crop: Peanut.

Soil Test: P = Low, K = Low, and pH = 6.5.

Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N, 35 lb K/acre.

Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant and Select used for weed control.

Besiege, Knack and Agri-Mek for insect control. Mepiquat chloride used for PGR. Folex, Detach

Ultra, Prep and ET used for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.
Rainfall (in):	1.3	6.6	4.2	6.5	0.5

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.

Midville, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint		Seed Cot.		Fiber Quality ²			
		Yield lb/acre	Yield lb/acre	Lint ¹ %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness ³ grade
Dyna-Gro	DGX 19051 B3XF	2676	5747	46.6	1.22	84.5	33.7	4.3	7.6
Dyna-Gro	DGX 19523 B3XF	2413	5227	46.2	1.17	83.3	30.1	4.3	8.2
Dyna-Gro	DGX 19010 B3XF	2348	4894	48.0	1.27	81.9	31.3	4.1	6.1
Dyna-Gro	DGX 19731 GLTP	2225	5179	43.0	1.23	84.4	32.6	4.3	7.1
Dyna-Gro	DGX 19008 B3XF	2212	4677	47.3	1.21	84.3	31.9	4.4	6.4
UGA	GA 2015026	2149	4889	44.0	1.24	83.7	34.6	4.3	6.9
Dyna-Gro	DGX 19003 B3XF	2095	4774	43.9	1.15	83.7	29.9	4.6	7.2
Dyna-Gro	DGX 19735 GLTP	2079	4713	44.1	1.17	82.7	29.6	4.2	7.5
Dyna-Gro	DGX 1901 GLTP	2017	4489	44.9	1.17	83.4	30.4	4.3	7.0
Dyna-Gro	DGX 19525 B3XF	1990	4489	44.3	1.18	83.8	33.0	4.6	7.3
UGA	GA 2016103	1774	4048	43.9	1.18	83.1	34.1	4.2	7.1
UGA	GA 2015018	1770	4265	41.5	1.19	84.8	30.5	4.3	7.0
UGA	GA 2015046	1765	4435	39.8	1.19	84.0	32.5	4.1	7.0
Dyna-Gro	DGX 19006 B3XF	1703	4253	40.0	1.17	82.5	29.9	4.1	6.5
Dyna-Gro	DGX 19015 B3XF	1673	4096	40.9	1.19	84.0	32.2	4.1	7.4
UGA	GA 2015068	1634	3951	41.3	1.19	83.1	32.5	4.1	7.4
Dyna-Gro	DGX 19004 B3XF	1467	3491	42.0	1.21	83.2	29.1	4.3	7.4
UGA	GA 2016110	1460	3606	40.5	1.21	84.2	33.8	4.4	6.7
Average		1969	4512	43.5	1.20	83.6	31.7	4.2	7.1
LSD at 10% Level		176	398	1.9	0.05	NS	2.1	0.4	0.7
Model R-square		0.87	0.80	0.91	0.73	0.52	0.80	0.61	0.75
CV %		7.5%	7.4%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 6, 2019.

Harvested: October 10, 2019.

Soil Type: Dothan sandy loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = Medium, and pH = 6.4.

Fertilization: 30 lb N, 90 lb P, and 84 lb K/acre. Sidedress: 80 lb N/acre.

Management: Conventional tillage. Pendimethalin, Liberty, Reflex, Diuron, Staple, Gramoxone, Valor, MSMA and

Envoke used for weed control. Bidrin and acephate for insect control. Mepiquat used for PGR.

Folex, Dropp and Ethephon for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.5	1.5	4.1	1.3	0.0	0.0
Rainfall (in):	1.8	3.3	2.5	5.5	0.5	0.0

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, J. Lanier, R. Milton, and T. Woodward.

Plains, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint		Seed Cot.		Fiber Quality ²			
		Yield lb/acre	Yield lb/acre	Lint ¹ %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness ³ grade
Dyna-Gro	DGX 19735 GLTP	1316	2983	44.1	1.15	83.6	31.9	4.7	8.0
Dyna-Gro	DGX 19003 B3XF	1298	2928	44.3	1.08	81.3	29.7	5.1	7.1
Dyna-Gro	DGX 19731 GLTP	1293	3079	42.0	1.15	82.4	30.2	4.9	8.1
Dyna-Gro	DGX 19010 B3XF	1289	2923	44.1	1.21	82.3	30.7	4.4	7.7
Dyna-Gro	DGX 1901 GLTP	1278	2850	44.9	1.14	82.8	31.9	5.1	8.1
UGA	GA 2015046	1197	2977	40.2	1.17	83.6	33.3	4.6	7.7
Dyna-Gro	DGX 19051 B3XF	1153	2547	45.3	1.15	81.6	32.8	4.6	7.9
Dyna-Gro	DGX 19004 B3XF	1150	2771	41.5	1.13	82.6	29.6	4.9	8.1
Dyna-Gro	DGX 19015 B3XF	1128	2727	41.4	1.16	83.5	34.3	5.2	7.7
UGA	GA 2015026	1098	2595	42.3	1.19	82.7	32.8	4.8	7.4
UGA	GA 2015018	1083	2571	42.1	1.15	84.8	31.8	5.2	7.2
Dyna-Gro	DGX 19008 B3XF	1059	2348	45.1	1.17	82.2	31.8	4.7	7.3
Dyna-Gro	DGX 19523 B3XF	1059	2450	43.2	1.13	83.1	29.4	5.0	7.9
UGA	GA 2015068	978	2378	41.1	1.17	84.0	34.2	4.8	8.0
Dyna-Gro	DGX 19006 B3XF	961	2499	40.3	1.11	82.3	30.4	4.7	7.4
UGA	GA 2016103	924	2220	41.6	1.17	84.7	33.7	5.1	7.6
UGA	GA 2016110	897	2190	41.0	1.17	84.1	34.3	5.3	7.8
Dyna-Gro	DGX 19525 B3XF	859	2535	45.2	1.16	83.7	33.0	5.4	7.8
Average		1111	2637	42.8	1.15	83.0	32.0	4.9	7.7
LSD at 10% Level		188	404	2.4	NS	1.3	2.1	0.4	NS
Model R-square		0.68	0.69	0.78	0.58	0.77	0.80	0.72	0.51
CV %		14.0%	12.7%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

"NS" indicates differences are statistically non-significant (p = 0.10 probability level).

Bolded yields are statistically non-significant (p = 0.10 level) from the highest yielding test entry.

Planted: May 8, 2019.

Harvested: October 23, 2019.

Soil Type: Greenville sandy loam.

Previous Crop: Peanuts.

Soil Test: P = Medium, K = High, and pH = 6.1.

Fertilization: 15 lb N, 90 lb P, and 0 lb K/acre. Sidedress: 90lb N/acre.

Management: Conventional tillage. Reflex, Warrant, Staple and Envoke used for weed control. Bifenthrin and Bidrin for insect control. Stance for PGR. Prep, Dropp and Folex for defoliation.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	-----	6.7 inches season total				-----
Rainfall (in):	0.8	1.5	7.3	4.8	1.0	4.8

Test conducted by R. Brooke, K. Cawley, M. Cofield, D. Dunn, W. Jones, and D. Pearce.

Tifton, Georgia: Cotton Strains Performance, 2019, Irrigated

Company or Brand Name	Variety	Lint		Seed Cot.		Fiber Quality ²			
		Yield lb/acre	Yield lb/acre	Lint ¹ %	Length inches	Uniformity %	Strength g/tex	Micronaire units	Yellowness ³ grade
Dyna-Gro	DGX 19051 B3XF	1956	4144	47.2	1.14	82.3	29.8	4.5	7.1
Dyna-Gro	DGX 1901 GLTP	1868	4199	44.5	1.14	84.2	29.5	4.9	7.0
Dyna-Gro	DGX 19008 B3XF	1826	3928	46.5	1.20	83.0	30.0	4.5	6.7
Dyna-Gro	DGX 19735 GLTP	1813	4096	44.3	1.15	82.8	29.6	4.5	7.0
Dyna-Gro	DGX 19010 B3XF	1770	3915	45.2	1.20	82.4	30.9	4.3	6.3
UGA	GA 2016103	1683	4033	41.7	1.19	83.7	33.0	5.0	6.4
Dyna-Gro	DGX 19003 B3XF	1643	3880	42.3	1.12	84.2	31.1	4.9	7.3
Dyna-Gro	DGX 19731 GLTP	1621	3830	42.3	1.19	82.2	32.4	4.6	6.5
Dyna-Gro	DGX 19523 B3XF	1582	3527	44.9	1.11	83.2	29.0	4.6	7.5
UGA	GA 2015046	1543	3794	40.7	1.17	83.5	33.7	4.3	7.0
Dyna-Gro	DGX 19525 B3XF	1537	3424	44.9	1.16	84.5	32.5	5.2	7.0
UGA	GA 2015068	1470	3549	41.4	1.15	84.3	31.4	4.6	7.1
Dyna-Gro	DGX 19015 B3XF	1425	3382	42.1	1.14	83.0	30.4	4.5	7.0
UGA	GA 2015018	1403	3372	41.6	1.19	84.6	30.9	4.9	6.4
UGA	GA 2016110	1393	3327	41.8	1.19	85.1	35.8	5.1	6.8
UGA	GA 2015026	1352	3189	42.4	1.19	83.1	32.4	4.7	6.5
Dyna-Gro	DGX 19006 B3XF	1337	3370	39.7	1.15	83.6	30.4	4.4	5.9
Dyna-Gro	DGX 19004 B3XF	1272	3031	42.0	1.18	83.2	29.6	4.6	6.8
Average		1581	3660	43.1	1.17	83.5	31.2	4.6	6.8
LSD at 10% Level		271	612	1.1	0.04	1.5	1.9	0.3	0.7
Model R-square		0.56	0.44	0.95	0.72	0.66	0.84	0.85	0.66
CV %		13.8%	13.5%						

1. Determined using table-top gins at the SWVT Lab on the UGA Griffin Campus.

2. Obtained from USDA classing office in Macon, Georgia.

3. Color grade (+b).

Bolded yields are statistically non-significant ($p = 0.10$ level) from the highest yielding test entry.

Planted: May 2, 2019.

Harvested: October 1, 2019.

Soil Type: Tifton loamy sand.

Previous Crop: Peanut.

Soil Test: P = Low, K = Low, and pH = 6.5.

Fertilization: 30 lb N, 110 lb P, and 120 lb K/acre. Sidedress: 75 lb N, 35 lb K/acre.

Management: Conventional tillage. Staple, Reflex, Cotoran, Warrant and Select used for weed control.

Besiege, Knack and Agri-Mek for insect control. Mepiquat chloride used for PGR. Folex, Detach

Ultra, Prep and ET used for defoliation. Telone for nematode control.

	May	June	July	Aug.	Sept.
Irrigation (in):	2.0	2.0	3.0	1.0	3.0
Rainfall (in):	1.3	6.6	4.2	6.5	0.5

Test conducted by R. Brooke, K. Cawley, M. Cofield, and D. Dunn.