

2021 On-Farm Cotton Variety Trial Results – PRELIMINARY

Camp Hand and Chandler Rowe

	County (Lint yield per acre)																										
Variety	Cook DRY	Colquitt IRR	Lowndes DRY	Toombs DRY	Turner DRY	Macon DRY	Cook IRR	Jeff Davis IRR	Sumter IRR	Bulloch IRR	Ben Hill IRR	Miller IRR	Mitchell IRR	Pulaski IRR	Grady DRY	Worth IRR	Seminole IRR	Berrien IRR	Evans DRY	Tattnall DRY	Oconee DRY	Burke IRR	Burke DRY	Screven IRR	All Avg.	LSD (P=0.1)	% Above Trial Avg.
DG 3615 B3XF	605	689	868	901	1094	1206	1341	1304	1514	1255	1348	1482	1306	1316	1501	1558	1520	1591	1511	1272	1476	1406	1513	1521	1296	a	88
DG 3799 B3XF	708	745	817	942	1135	1251	1173	1257	1030	1254	1363	1384	1385	1288	1401	1453	1582	1529	1405	1861	1265	1430	1353	1540	1273	a	83
ST 5091 B3XF	514	586	828	808	1173	1116	1130	1196	1179	1217	1142	1146	1314	1296	1349	1383	1337	1357	1409	1405	1635	1534	1490	1732	1220	b	71
DP 2038 B3XF	513	743	741	891	1138	1146	1197	1160	1273	1248	1189	1188	1270	1383	1219	1265	1258	1340	1464	1395	1486	1568	1587	1539	1217	b	58
DP 1646 B2XF	481	734	735	813	1062	1009	1225	1199	1153	1169	1269	1024	1305	1397	1330	1197	1298	1380	1461	1571	1379	1445	1591	1670	1204	bc	58
DP 2055 B3XF	594	813	702	833	1074	988	1098	1158	1105	1177	1192	1178	1263	1386	1308	1286	1222	1486	1249	1214	1591	1680	1560	1523	1195	bc	42
AR 9831 B3XF	681	766	774	714	796	1132	1144	1069	1148	1172	1310	1318	1300	1266	1239	1285	1487	1362	1357	1314	1392	1500	1481	1482	1187	bc	42
NG 3195 B3XF	687	562	718	747	1069	1171	1215	1102	1228	1193	1191	1077	1205	1298	1320	1170	1196	1358	1423	1265	1505	1505	1538	1485	1176	bc	46
ST 4990 B3XF	488	700	676	682	945	1089	1131	1170	1319	1181	1061	1273	1182	1273	1190	1415	1263	1177	1373	1343	1571	1454	1463	1390	1159	cd	29
PHY 545 W3FE	600	675	1039	764	1168	1090	981	1108	1015	1258	985	1192	1241	1075	1071	1123	1124	1267	1242	1294	1444	1367	1346	1581	1127	d	25
NG 4936 B3XF	524	526	533	768	846	807	1037	1113	1199	1146	1221	1317	1297	1175	1243	1227	1211	1239	1353	1416	1488	1457	1431	1399	1124	d	29
PHY 400 W3FE	656	575	797	747	1002	882	1012	1110	1194	1089	1106	1108	1254	1175	1215	1223	1153	1284	1305	1313	1457	1358	1447	1493	1123	d	8
Trial Average	588	676	769	801	1042	1074	1140	1162	1197	1197	1198	1224	1277	1277	1282	1299	1304	1364	1379	1389	1474	1475	1483	1530			

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

Red line (between Jeff Davis and Sumter) represents the overall trial average (1,192 lbs/acre)

Locations that have not been ginned yet: Cook DRY, Sumter IRR, Bulloch IRR, Mitchell IRR, Grady DRY, and Worth IRR. This document will be updated once they are ginned.

Contact your local UGA County Extension Agent for more information on variety selection and performance.

Locations that yielded BELOW the trial average (1,192 lbs/acre)

	County (Lint yield per acre)										
Variety	Cook DRY	Colquitt IRR	Lowndes DRY	Toombs DRY	Turner DRY	Macon DRY	Cook IRR	Jeff Davis IRR	All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
DG 3799 B3XF	708	745	817	942	1135	1251	1173	1257	1003	a	100
DG 3615 B3XF	605	689	868	901	1094	1206	1341	1304	1001	a	100
DP 2038 B3XF	513	743	741	891	1138	1146	1197	1160	941	ab	63
PHY 545 W3FE	600	675	1039	764	1168	1090	981	1108	928	bc	50
ST 5091 B3XF	514	586	828	808	1173	1116	1130	1196	919	bc	63
NG 3195 B3XF	687	562	718	747	1069	1171	1215	1102	909	bcd	50
DP 2055 B3XF	594	813	702	833	1074	988	1098	1158	907	bcd	50
DP 1646 B2XF	481	734	735	813	1062	1009	1225	1199	907	bcd	63
AR 9831 B3XF	681	766	774	714	796	1132	1144	1069	885	bcd	63
ST 4990 B3XF	488	700	676	682	945	1089	1131	1170	860	cd	38
PHY 400 W3FE	656	575	797	747	1002	882	1012	1110	848	d	25
NG 4936 B3XF	524	526	533	768	846	807	1037	1113	769	e	0
Trial Average	588	676	769	801	1042	1074	1140	1162			

Locations that yielded ABOVE the trial average (1,192 lbs/acre)

	County (Lint yield per acre)																		
Variety	Sumter IRR	Bulloch IRR	Ben Hill IRR	Miller IRR	Mitchell IRR	Pulaski IRR	Grady DRY	Worth IRR	Seminole IRR	Berrien IRR	Evans DRY	Tattnall DRY	Oconee DRY	Burke IRR	Burke DRY	Screven IRR	All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
DG 3615 B3XF	1514	1255	1348	1482	1306	1316	1501	1558	1520	1591	1511	1272	1476	1406	1513	1521	1443	a	81
DG 3799 B3XF	1030	1254	1363	1384	1385	1288	1401	1453	1582	1529	1405	1861	1265	1430	1353	1540	1408	ab	75
ST 5091 B3XF	1179	1217	1142	1146	1314	1296	1349	1383	1337	1357	1409	1405	1635	1534	1490	1732	1370	bc	75
DP 2038 B3XF	1273	1248	1189	1188	1270	1383	1219	1265	1258	1340	1464	1395	1486	1568	1587	1539	1354	bcd	56
DP 1646 B2XF	1153	1169	1269	1024	1305	1397	1330	1197	1298	1380	1461	1571	1379	1445	1591	1670	1352	bcd	56
DP 2055 B3XF	1105	1177	1192	1178	1263	1386	1308	1286	1222	1486	1249	1214	1591	1680	1560	1523	1339	cd	38
AR 9831 B3XF	1148	1172	1310	1318	1300	1266	1239	1285	1487	1362	1357	1314	1392	1500	1481	1482	1338	cd	31
NG 3195 B3XF	1228	1193	1191	1077	1205	1298	1320	1170	1196	1358	1423	1265	1505	1505	1538	1485	1310	de	44
ST 4990 B3XF	1319	1181	1061	1273	1182	1273	1190	1415	1263	1177	1373	1343	1571	1454	1463	1390	1308	de	25
NG 4936 B3XF	1199	1146	1221	1317	1297	1175	1243	1227	1211	1239	1353	1416	1488	1457	1431	1399	1301	de	38
PHY 400 W3FE	1194	1089	1106	1108	1254	1175	1215	1223	1153	1284	1305	1313	1457	1358	1447	1493	1261	ef	0
PHY 545 W3FE	1015	1258	985	1192	1241	1075	1071	1123	1124	1267	1242	1294	1444	1367	1346	1581	1226	f	13
Trial Average	1197	1197	1198	1224	1277	1277	1282	1299	1304	1364	1379	1389	1474	1475	1483	1530			