

## 2021 On-Farm Cotton Variety Trial Results – FINAL LINT YIELDS

Camp Hand and Chandler Rowe

Variety	County (Lint yield per acre)																									All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Cook DRY	Colquitt IRR	Lowndes DRY	Toombs DRY	Turner DRY	Macon DRY	Cook IRR	Jeff Davis IRR	Bulloch IRR	Sumter IRR	Ben Hill IRR	Grady DRY	Mitchell IRR	Miller IRR	Worth IRR	Pulaski IRR	Seminole IRR	Berrien DRY	Evans DRY	Tattnall DRY	Wilcox DRY	Oconee DRY	Burke IRR	Burke DRY	Screven IRR			
DG 3615 B3XF	527	689	868	901	1094	1206	1341	1304	1262	1499	1348	1384	1244	1482	1513	1316	1520	1591	1511	1272	1555	1476	1406	1513	1521	1294	a	84
DG 3799 B3XF	661	745	817	942	1135	1251	1173	1257	1236	1022	1363	1273	1350	1384	1420	1278	1582	1529	1405	1861	1786	1265	1430	1353	1540	1282	a	84
ST 5091 B3XF	449	586	828	808	1173	1116	1130	1196	1219	1169	1142	1257	1260	1146	1387	1296	1337	1357	1409	1405	1532	1635	1534	1490	1732	1224	b	72
DP 2038 B3XF	460	743	741	891	1138	1146	1197	1160	1276	1260	1189	1144	1207	1188	1175	1383	1258	1340	1464	1395	1477	1486	1568	1587	1539	1216	bc	60
DP 1646 B2XF	451	734	735	813	1062	1009	1225	1199	1156	1146	1269	1283	1289	1024	1218	1397	1298	1380	1461	1571	1215	1379	1445	1591	1670	1201	bcd	56
DP 2055 B3XF	528	813	702	833	1074	988	1098	1158	1173	1092	1192	1216	1184	1178	1245	1386	1222	1486	1249	1214	1371	1591	1680	1560	1523	1190	bcd	36
AR 9831 B3XF	615	766	774	714	796	1132	1144	1069	1133	1135	1310	1108	1242	1318	1258	1266	1487	1362	1357	1314	1339	1392	1500	1481	1482	1180	bcd	44
NG 3195 B3XF	590	562	718	747	1069	1171	1215	1102	1197	1215	1191	1251	1113	1077	1145	1298	1196	1358	1423	1265	1504	1505	1505	1538	1485	1178	cd	52
ST 4990 B3XF	479	700	676	682	945	1089	1131	1170	1128	1309	1061	1171	1114	1273	1363	1273	1263	1177	1373	1343	1460	1571	1454	1463	1390	1162	de	32
PHY 545 W3FE	580	675	1039	764	1168	1090	981	1108	1233	1006	985	974	1168	1192	1059	1075	1124	1267	1242	1294	1422	1444	1367	1346	1581	1127	e	24
PHY 400 W3FE	615	575	797	747	1002	882	1012	1110	1068	1187	1106	1217	1183	1108	1211	1175	1153	1284	1305	1313	1297	1457	1358	1447	1493	1124	e	16
NG 4936 B3XF	487	526	533	768	846	807	1037	1113	1091	1182	1221	1102	1208	1317	1202	1175	1211	1239	1353	1416	1425	1488	1457	1431	1399	1121	e	16
<b>Trial Average</b>	<b>537</b>	<b>676</b>	<b>769</b>	<b>801</b>	<b>1042</b>	<b>1074</b>	<b>1140</b>	<b>1162</b>	<b>1181</b>	<b>1185</b>	<b>1198</b>	<b>1198</b>	<b>1214</b>	<b>1224</b>	<b>1266</b>	<b>1276</b>	<b>1304</b>	<b>1364</b>	<b>1379</b>	<b>1389</b>	<b>1449</b>	<b>1474</b>	<b>1475</b>	<b>1483</b>	<b>1530</b>			

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

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

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)

Variety	County (Lint yield per acre)										All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Cook DRY	Colquitt IRR	Lowndes DRY	Toombs DRY	Turner DRY	Macon DRY	Cook IRR	Jeff Davis IRR	Bulloch IRR	Sumter IRR			
DG 3615 B3XF	527	689	868	901	1094	1206	1341	1304	1262	1499	1069	a	90
DG 3799 B3XF	661	745	817	942	1135	1251	1173	1257	1236	1022	1024	ab	90
DP 2038 B3XF	460	743	741	891	1138	1146	1197	1160	1276	1260	1001	bc	70
ST 5091 B3XF	449	586	828	808	1173	1116	1130	1196	1219	1169	967	bcd	60
PHY 545 W3FE	580	675	1039	764	1168	1090	981	1108	1233	1006	964	bcde	50
NG 3195 B3XF	590	562	718	747	1069	1171	1215	1102	1197	1215	959	cde	60
DP 1646 B2XF	451	734	735	813	1062	1009	1225	1199	1156	1146	953	cde	50
DP 2055 B3XF	528	813	702	833	1074	988	1098	1158	1173	1092	946	cde	30
ST 4990 B3XF	479	700	676	682	945	1089	1131	1170	1128	1309	931	de	40
AR 9831 B3XF	615	766	774	714	796	1132	1144	1069	1133	1135	928	de	50
PHY 400 W3FE	615	575	797	747	1002	882	1012	1110	1068	1187	899	ef	30
NG 4936 B3XF	487	526	533	768	846	807	1037	1113	1091	1182	839	f	0
<b>Trial Average</b>	<b>537</b>	<b>676</b>	<b>769</b>	<b>801</b>	<b>1042</b>	<b>1074</b>	<b>1140</b>	<b>1162</b>	<b>1181</b>	<b>1185</b>			

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

Variety	County (Lint yield per acre)															All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Ben Hill IRR	Grady DRY	Mitchell IRR	Miller IRR	Worth IRR	Pulaski IRR	Seminole IRR	Berrien DRY	Evans DRY	Tattnall DRY	Wilcox DRY	Oconee DRY	Burke IRR	Burke DRY	Scriven IRR			
DG 3799 B3XF	1363	1273	1350	1384	1420	1278	1582	1529	1405	1861	1786	1265	1430	1353	1540	1454	a	80
DG 3615 B3XF	1348	1384	1244	1482	1513	1316	1520	1591	1511	1272	1555	1476	1406	1513	1521	1444	a	80
ST 5091 B3XF	1142	1257	1260	1146	1387	1296	1337	1357	1409	1405	1532	1635	1534	1490	1732	1395	ab	80
DP 1646 B2XF	1269	1283	1289	1024	1218	1397	1298	1380	1461	1571	1215	1379	1445	1591	1670	1366	bc	60
DP 2038 B3XF	1189	1144	1207	1188	1175	1383	1258	1340	1464	1395	1477	1486	1568	1587	1539	1360	bc	53
DP 2055 B3XF	1192	1216	1184	1178	1245	1386	1222	1486	1249	1214	1371	1591	1680	1560	1523	1353	bc	40
AR 9831 B3XF	1310	1108	1242	1318	1258	1266	1487	1362	1357	1314	1339	1392	1500	1481	1482	1348	bc	33
NG 3195 B3XF	1191	1251	1113	1077	1145	1298	1196	1358	1423	1265	1504	1505	1505	1538	1485	1324	cd	47
ST 4990 B3XF	1061	1171	1114	1273	1363	1273	1263	1177	1373	1343	1460	1571	1454	1463	1390	1317	cd	27
NG 4936 B3XF	1221	1102	1208	1317	1202	1175	1211	1239	1353	1416	1425	1488	1457	1431	1399	1310	cd	27
PHY 400 W3FE	1106	1217	1183	1108	1211	1175	1153	1284	1305	1313	1297	1457	1358	1447	1493	1274	de	7
PHY 545 W3FE	985	974	1168	1192	1059	1075	1124	1267	1242	1294	1422	1444	1367	1346	1581	1236	e	7
<b>Trial Average</b>	<b>1198</b>	<b>1198</b>	<b>1214</b>	<b>1224</b>	<b>1266</b>	<b>1276</b>	<b>1304</b>	<b>1364</b>	<b>1379</b>	<b>1389</b>	<b>1449</b>	<b>1474</b>	<b>1475</b>	<b>1483</b>	<b>1530</b>			