

2021 On-Farm Cotton Variety Trial Results – PRELIMINARY

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	Sumter IRR	Bulloch 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	1495	1255	1348	1384	1244	1482	1513	1316	1520	1591	1511	1272	1494	1476	1406	1513	1521	1291	a	84	
DG 3799 B3XF	661	745	817	942	1135	1251	1173	1257	1020	1254	1363	1273	1350	1384	1420	1288	1582	1529	1405	1861	1693	1265	1430	1353	1540	1280	a	84	
ST 5091 B3XF	449	586	828	808	1173	1116	1130	1196	1166	1217	1142	1257	1260	1146	1387	1296	1337	1357	1409	1405	1464	1635	1534	1490	1732	1221	b	72	
DP 2038 B3XF	460	743	741	891	1138	1146	1197	1160	1257	1248	1189	1144	1207	1188	1175	1383	1258	1340	1464	1395	1446	1486	1568	1587	1539	1214	bc	60	
DP 1646 B2XF	451	734	735	813	1062	1009	1225	1199	1148	1169	1269	1283	1289	1024	1218	1397	1298	1380	1461	1571	1260	1379	1445	1591	1670	1203	bcd	56	
DP 2055 B3XF	528	813	702	833	1074	988	1098	1158	1091	1177	1192	1216	1184	1178	1245	1386	1222	1486	1249	1214	1352	1591	1680	1560	1523	1190	bcd	40	
AR 9831 B3XF	615	766	774	714	796	1132	1144	1069	1134	1172	1310	1108	1242	1318	1258	1266	1487	1362	1357	1314	1298	1392	1500	1481	1482	1180	bcd	44	
NG 3195 B3XF	590	562	718	747	1069	1171	1215	1102	1212	1193	1191	1251	1113	1077	1145	1298	1196	1358	1423	1265	1441	1505	1505	1538	1485	1175	cd	48	
ST 4990 B3XF	461	700	676	682	945	1089	1131	1170	1309	1181	1061	1171	1114	1273	1363	1273	1263	1177	1373	1343	1467	1571	1454	1463	1390	1164	de	32	
PHY 545 W3FE	580	675	1039	764	1168	1090	981	1108	1004	1258	985	974	1168	1192	1059	1075	1124	1267	1242	1294	1358	1444	1367	1346	1581	1126	e	24	
NG 4936 B3XF	487	526	533	768	846	807	1037	1113	1184	1146	1221	1102	1208	1317	1202	1175	1211	1239	1353	1416	1417	1488	1457	1431	1399	1123	e	24	
PHY 400 W3FE	615	575	797	747	1002	882	1012	1110	1173	1089	1106	1217	1183	1108	1211	1175	1153	1284	1305	1313	1254	1457	1358	1447	1493	1123	e	12	
Trial Average	535	676	769	801	1042	1074	1140	1162	1183	1197	1198	1198	1214	1224	1266	1277	1304	1364	1379	1389	1412	1474	1475	1483	1530				

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

Red line (between Sumter and Bulloch) represents the overall trial average (1,190 lbs/acre)

Locations that have not been ginned yet: Bulloch IRR and Wilcox DRY. 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 (1,190 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	Sumter IRR			
DG 3615 B3XF	527	689	868	901	1094	1206	1341	1304	1495	1047	a	89
DG 3799 B3XF	661	745	817	942	1135	1251	1173	1257	1020	1000	ab	89
DP 2038 B3XF	460	743	741	891	1138	1146	1197	1160	1257	970	bc	67
ST 5091 B3XF	449	586	828	808	1173	1116	1130	1196	1166	939	bcd	56
PHY 545 W3FE	580	675	1039	764	1168	1090	981	1108	1004	934	bcd	44
NG 3195 B3XF	590	562	718	747	1069	1171	1215	1102	1212	932	bcd	56
DP 1646 B2XF	451	734	735	813	1062	1009	1225	1199	1148	931	bcd	56
DP 2055 B3XF	528	813	702	833	1074	988	1098	1158	1091	921	cd	33
ST 4990 B3XF	461	700	676	682	945	1089	1131	1170	1309	907	cd	44
AR 9831 B3XF	615	766	774	714	796	1132	1144	1069	1134	905	cd	56
PHY 400 W3FE	615	575	797	747	1002	882	1012	1110	1173	879	de	22
NG 4936 B3XF	487	526	533	768	846	807	1037	1113	1184	811	e	11
Trial Average	535	676	769	801	1042	1074	1140	1162	1183			

Locations that yielded ABOVE the trial average (1,190 lbs/acre)

Variety	County (Lint yield per acre)															All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.	
	Bulloch 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 3799 B3XF	1254	1363	1273	1350	1384	1420	1288	1582	1529	1405	1861	1693	1265	1430	1353	1540	1437	a	81
DG 3615 B3XF	1255	1348	1384	1244	1482	1513	1316	1520	1591	1511	1272	1494	1476	1406	1513	1521	1428	ab	81
ST 5091 B3XF	1217	1142	1257	1260	1146	1387	1296	1337	1357	1409	1405	1464	1635	1534	1490	1732	1379	bc	81
DP 1646 B2XF	1169	1269	1283	1289	1024	1218	1397	1298	1380	1461	1571	1260	1379	1445	1591	1670	1357	cd	56
DP 2038 B3XF	1248	1189	1144	1207	1188	1175	1383	1258	1340	1464	1395	1446	1486	1568	1587	1539	1351	cde	56
DP 2055 B3XF	1177	1192	1216	1184	1178	1245	1386	1222	1486	1249	1214	1352	1591	1680	1560	1523	1341	cde	44
AR 9831 B3XF	1172	1310	1108	1242	1318	1258	1266	1487	1362	1357	1314	1298	1392	1500	1481	1482	1334	cde	38
NG 3195 B3XF	1193	1191	1251	1113	1077	1145	1298	1196	1358	1423	1265	1441	1505	1505	1538	1485	1311	def	44
ST 4990 B3XF	1181	1061	1171	1114	1273	1363	1273	1263	1177	1373	1343	1467	1571	1454	1463	1390	1309	def	25
NG 4936 B3XF	1146	1221	1102	1208	1317	1202	1175	1211	1239	1353	1416	1417	1488	1457	1431	1399	1299	ef	31
PHY 400 W3FE	1089	1106	1217	1183	1108	1211	1175	1153	1284	1305	1313	1254	1457	1358	1447	1493	1260	fg	6
PHY 545 W3FE	1258	985	974	1168	1192	1059	1075	1124	1267	1242	1294	1358	1444	1367	1346	1581	1233	g	13
Trial Average	1197	1198	1198	1214	1224	1266	1277	1304	1364	1379	1389	1412	1474	1475	1483	1530			