

# 2020 On-Farm Cotton Variety Trial Results

Camp Hand and Phillip Roberts

Variety	Colquitt DRY	Toombs DRY	Berrien DRY	Macon DRY	Grady DRY	Atkinson DRY	Early IRR	Screven IRR	Coffee IRR	Bulloch IRR	Ben Hill DRY	Brooks DRY	Sumter IRR	Worth IRR	Tift DRY	Pulaski IRR	Turner DRY	Burke DRY	Appling IRR	Cook IRR	Burke IRR	Oconee DRY	Colquitt IRR	Jeff Davis IRR	All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
<b>DG 3799 B3XF</b>	644	604	719	859	1149	1057	1158	871	1257	1210	1118	1281	1225	1282	1317	1107	1170	1270	1215	1196	1418	1504	1414	1524	1149	a	83
<b>DG 3615 B3XF</b>	594	586	948	915	982	1031	1002	757	1267	1273	993	1153	1307	1267	1121	1281	1063	1331	1122	1134	1484	1459	1524	1462	1127	ab	71
<b>DP 2038 B3XF</b>	754	744	835	958	899	1113	949	1093	1061	1138	1132	927	1220	1200	1165	1237	1366	1290	1253	1292	1424	1267	1219	1447	1124	abc	71
ST 4990 B3XF	689	714	1026	891	883	1090	977	933	1109	1038	1143	1100	1112	1175	1182	1217	1119	1165	1128	1213	1315	1356	1339	1399	1096	bcd	67
DP 2055 B3XF	717	721	835	919	860	999	966	1067	924	1115	1204	1122	1113	1107	1116	1165	1207	1143	1335	1265	1184	1196	1300	1400	1083	bcd	50
NG 4936 B3XF	679	792	854	900	899	891	959	959	1132	1006	1152	1265	1045	1081	1094	1234	1116	1157	1118	1211	1342	1336	1360	1343	1080	bcd	54
NG 5711 B3XF	734	729	836	780	962	995	928	1032	994	1134	1191	1256	1148	1034	1199	1081	1385	1167	1266	1255	1135	1093	1169	1353	1077	bcd	58
DP 1646 B2XF	773	715	844	926	932	952	947	1143	801	1023	1064	1101	1158	1181	1149	1173	1192	1115	1292	1092	1295	1138	1455	1345	1075	cd	46
ST 5471 GLTP	451	613	753	960	897	885	1027	934	998	1038	1088	1178	1022	1232	1110	1118	1122	1124	1103	1206	1329	1410	1360	1333	1054	de	33
PHY 545 W3FE	606	687	696	674	1059	836	896	1149	1051	1088	814	1194	1219	1008	1278	1013	1236	1137	1206	1064	978	1093	1168	1298	1019	ef	42
PHY 400 W3FE	430	613	849	788	895	804	1009	1229	974	936	1080	984	1065	985	1021	1163	1009	1090	1033	1188	1216	1302	1216	1188	1003	f	21
CP 9608 B3XF	616	504	1001	820	976	794	874	970	872	1051	1191	1029	1064	1155	1043	1134	931	1092	1023	1112	1077	1229	1106	1333	1000	f	17
<b>Trial Average</b>	<b>640</b>	<b>669</b>	<b>850</b>	<b>866</b>	<b>949</b>	<b>954</b>	<b>974</b>	<b>1011</b>	<b>1037</b>	<b>1088</b>	<b>1098</b>	<b>1132</b>	<b>1141</b>	<b>1142</b>	<b>1150</b>	<b>1160</b>	<b>1160</b>	<b>1173</b>	<b>1174</b>	<b>1186</b>	<b>1266</b>	<b>1282</b>	<b>1303</b>	<b>1369</b>	<b>1074</b>		

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

Red line (between Coffee and Bulloch) represents the overall trial average (1,074 lbs/acre)

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

**Locations that yielded BELOW the trial average (1,074 lbs/acre)**

Variety	County (Estimated Lint per Acre)									All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Colquitt DRY	Toombs DRY	Berrien DRY	Macon DRY	Grady DRY	Atkinson DRY	Early IRR	Screven IRR	Coffee IRR			
DP 2038 B3XF	754	744	835	958	899	1113	949	1093	1061	934	a	67
ST 4990 B3XF	689	714	1026	891	883	1090	977	933	1109	924	a	78
DG 3799 B3XF	644	604	719	859	1149	1057	1158	871	1257	924	a	56
DG 3615 B3XF	594	586	948	915	982	1031	1002	757	1267	898	a	67
NG 4936 B3XF	679	792	854	900	899	891	959	959	1132	896	a	56
DP 1646 B2XF	773	715	844	926	932	952	947	1143	801	892	a	44
DP 2055 B3XF	717	721	835	919	860	999	966	1067	924	890	a	56
NG 5711 B3XF	734	729	836	780	962	995	928	1032	994	888	a	56
PHY 545 W3FE	606	687	696	674	1059	836	896	1149	1051	850	a	44
PHY 400 W3FE	430	613	849	788	895	804	1009	1229	974	844	a	22
ST 5471 GLTP	451	613	753	960	897	885	1027	934	998	835	a	22
CP 9608 B3XF	616	504	1001	820	976	794	874	970	872	825	a	22
<b>Trial Average</b>	<b>640</b>	<b>669</b>	<b>850</b>	<b>866</b>	<b>949</b>	<b>954</b>	<b>974</b>	<b>1011</b>	<b>1037</b>			

**Locations that yielded ABOVE the trial average (1,074 lbs/acre)**

Variety	County (Estimated Lint per Acre)															All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Bulloch IRR	Ben Hill DRY	Brooks DRY	Sumter IRR	Worth IRR	Tift DRY	Pulaski IRR	Turner DRY	Burke DRY	Appling IRR	Cook IRR	Burke IRR	Oconee DRY	Colquitt IRR	Jeff Davis IRR			
DG 3799 B3XF	1210	1118	1281	1225	1282	1317	1107	1170	1270	1215	1196	1418	1504	1414	1524	1283	a	93
DG 3615 B3XF	1273	993	1153	1307	1267	1121	1281	1063	1331	1122	1134	1484	1459	1524	1462	1265	a	67
DP 2038 B3XF	1138	1132	927	1220	1200	1165	1237	1366	1290	1253	1292	1424	1267	1219	1447	1238	ab	73
DP 2055 B3XF	1115	1204	1122	1113	1107	1116	1165	1207	1143	1335	1265	1184	1196	1339	1399	1201	b	47
NG 5711 B3XF	1134	1191	1256	1148	1034	1199	1081	1385	1167	1266	1255	1135	1093	1300	1400	1203	b	67
ST 4990 B3XF	1038	1143	1100	1112	1175	1182	1217	1119	1165	1128	1213	1315	1356	1360	1343	1198	b	60
ST 5471 GLTP	1038	1088	1178	1022	1232	1110	1118	1122	1124	1103	1206	1329	1410	1169	1353	1173	b	47
NG 4936 B3XF	1006	1152	1265	1045	1081	1094	1234	1116	1157	1118	1211	1342	1336	1455	1345	1197	b	47
DP 1646 B2XF	1023	1064	1101	1158	1181	1149	1173	1192	1115	1292	1092	1295	1138	1360	1333	1178	b	40
PHY 545 W3FE	1088	814	1194	1219	1008	1278	1013	1236	1137	1206	1064	978	1093	1168	1298	1120	c	40
CP 9608 B3XF	1051	1191	1029	1064	1155	1043	1134	931	1092	1023	1112	1077	1229	1216	1188	1102	c	20
PHY 400 W3FE	936	1080	984	1065	985	1021	1163	1009	1090	1033	1188	1216	1302	1106	1333	1101	c	13
<b>Trial Average</b>	<b>1088</b>	<b>1098</b>	<b>1132</b>	<b>1141</b>	<b>1142</b>	<b>1150</b>	<b>1160</b>	<b>1160</b>	<b>1173</b>	<b>1174</b>	<b>1186</b>	<b>1266</b>	<b>1282</b>	<b>1303</b>	<b>1369</b>			