

2016 UGA On-Farm Cotton Variety Evaluation Program - Location information.

Location Title	Site #	County	Agent	Planting Date	Irrigation	Average Lint Yield (lb/A)
Appling Dryland 2016	8	Appling	Shane Curry	6/3/16	Dryland	972
Baker Irrigated 2016	11	Baker	Lanier Jordan	6/11/16	Irrigated	1096
Bulloch Dryland 2016	4	Bulloch	Bill Tyson	6/13/16	Dryland	769
Burke Dryland 2016	17	Burke (Midville)	Jason Mallard & Peyton Sapp	5/25/16	Irrigated	1338
Burke Irrigated 2016	12	Burke (Midville)	Pam Sapp, Peyton Sapp & Jason Mallard	5/16/16	Dryland	1207
Calhoun Irrigated 2016	16	Calhoun	Jay Hathorn	5/27/16	Irrigated	1311
Colquitt (Expo) Irrigated 2016	10	Colquitt	Jeremy Kichler & Jenna Kicklighter	5/6/16	Irrigated	1094
Colquitt (Packer) Irrigated 2016	9	Colquitt (Packer)	Jeremy Kichler & Jenna Kicklighter	5/18/16	Irrigated	1074
Cook Irrigated 2016	20	Cook	Tucker Price	5/9/16	Irrigated	1466
Crisp Dryland 2016	1	Crisp	Will Gay	5/6/16	Dryland	379
Dooly Irrigated 2016	18	Dooly	Ronnie Barentine & Jay Porter	5/4/16	Irrigated	1369
Early Dryland 2016	3	Early	Brian Cresswell	5/26/16	Dryland	472
Echols Dryland 2016	7	Echols	Jake Price, Justin Shealey	5/31/16	Dryland	856
Grady Dryland 2016	13	Grady	Brian Hayes	5/3/16	Dryland	1222
*		Montgomery	Jennifer Miller, Colby Royal & Brooke Jefferies	6/20/16	Irrigated	
Pulaski Irrigated 2016	19	Pulaski	Mark Freeman	5/14/16	Irrigated	1451
Tattnall Dryland 2016	2	Tattnall	Chris Tyson & Aubry Shirley	5/10/16	Dryland	451
Tift Dryland 2016	5	Tift	Scott Carlson	5/12/16	Irrigated	787
Tift Irrigated 2016	14	Tift	Scott Carlson	5/19/16	Dryland	1228
**		Toombs	Jason Edenfield	5/17/16	Dryland	
**		Washington	Pam Sapp & Brent Allen	5/16/16	Irrigated	
Wayne Dryland 2016	6	Wayne	Mark Frye	5/25/16	Dryland	798
Worth Irrigated 2016	15	Worth	Blake Crabtree	6/2/16	Irrigated	1229

*Montgomery location not harvested in time for combined analysis

**Both Toombs & Washington Locations were harvested, yet not included in combined analysis.

These sites were treated with glufosinate, therefore DG 2615 B2RF was not harvested.

2016 UGA On-Farm Cotton Variety Performance Evaluation Program – TOP 4 Highlighted

Variety	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	Var. Avg.	Top 4 %
PHY 444 WRF	425	553	496	927	819	952	873	1119	1115	1213	975	1266	1246	1396	1388	1384	1316	1479	1622	1602	1108	75
DG 2615 B2RF	249	291	469	1025	770	791	1045	1065	1022	1145	1083	1410	1195	1235	1328	1441	1524	1545	1597	1532	1088	45
PHY 496 W3RF	478	481	615	832	711	871	903	1017	1085	1083	1045	1218	1315	1201	1168	1355	1390	1511	1555	1534	1068	55
CG 3885 B2XF	449	447	461	829	975	753	912	992	1104	1208	956	1185	1342	1237	1333	1329	1483	1336	1460	1495	1064	45
DP 1646 B2XF	430	462	447	784	834	790	785	921	1193	1068	1089	1158	1192	1409	1248	1316	1365	1459	1450	1551	1048	25
DP 1538 B2XF	411	453	420	803	870	814	775	964	1191	1163	1184	1145	1130	1346	1294	1281	1261	1332	1581	1499	1046	30
ST 6182 GLT	382	444	457	721	742	807	895	1018	1085	1155	1018	1246	1241	1178	1327	1294	1338	1278	1514	1454	1030	20
NG 5007 B2XF	437	482	490	712	728	749	879	892	1167	1165	1166	1237	1219	1240	1276	1266	1354	1314	1428	1382	1029	25
ST 5115 GLT	349	494	497	708	845	809	848	1023	965	1184	1118	1158	1186	1109	1221	1298	1412	1196	1384	1496	1015	30
PHY 333 WRF	366	536	492	697	671	834	842	987	931	952	1132	1204	1445	1173	1027	1268	1246	1311	1383	1333	991	20
BX 1739 GLT	158	227	485	765	763	728	749	877	945	1029	1122	1284	1185	1160	964	1307	1389	1613	1417	1552	986	15
NG 3522 B2XF	374	482	532	655	736	796	799	882	1096	979	1109	1078	1239	1146	1247	1307	1190	1305	1262	1347	978	5
DP 1553 B2XF	420	499	347	695	780	765	846	949	1097	984	1229	1095	1050	1183	1214	1199	1196	1222	1362	1380	976	10
DG 3526 B2XF	373	465	402	616	778	710	836	895	1047	987	1121	1208	1118	1186	1164	1311	1267	1260	1295	1374	971	0
Location Total	379	451	472	769	787	798	856	972	1074	1094	1096	1207	1222	1228	1229	1311	1338	1369	1451	1466		

2016 UGA On-Farm Cotton Variety Performance Evaluation Program

20 Locations (9 Irrigated, 11 Dryland)

Variety	Average Lint Yield (lb/A)	LSD Letters ($p \leq 0.1$)			Frequency of Top Performance (% of 19 locations)				
		All 20 Locs.	8 Locs. < 1000 lb/A	12 Locs. > 1000 lb/A	Above Trial Average	Top 4	Top 3	Top 2	Top 1
PHY 444 WRF	1108	A	A	A	90	75	55	50	35
DG 2615 B2RF	1088	AB	ABCD	A	60	45	45	40	25
PHY 496 W3RF	1068	ABC	AB	AB	75	55	40	15	10
CG 3885 B2XF	1064	BC	ABC	AB	70	45	35	35	5
DP 1646 B2XF	1048	BCD	BCDE	AB	55	25	15	10	10
DP 1538 B2XF	1046	CD	BCDE	ABC	60	30	25	15	0
ST 6182 GLT	1030	CDE	BCDE	BC	55	20	0	0	0
NG 5007 B2XF	1029	CDE	CDE	BC	55	25	15	0	0
ST 5115 GLT	1015	DEF	BCD	CDE	45	30	25	0	0
PHY 333 WRF	991	EFG	CDE	DE	30	20	15	10	5
BX 1739 GLT	986	FG	F	BCD	30	15	15	15	5
NG 3522 B2XF	978	FG	DE	DE	30	5	5	5	0
DP 1553 B2XF	976	FG	DE	E	20	10	10	5	5
DG 3526 B2XF	971	G	EF	DE	15	0	0	0	0

2015 & 2016 UGA On-Farm Cotton Variety Performance Evaluation Program

44 Locations | LSD ($p \leq 0.10$)

Variety	All Locations	
	Avg. Lint Yield	44 Locations
CG 3885 B2XF	1076	A
DP 1538 B2XF	1067	AB
PHY 444 WRF	1046	ABC
ST 6182 GLT	1043	BC
NG 5007 B2XF	1019	CD
DP 1553 B2XF	1004	D
PHY 333 WRF	994	D

Variety	< 1000 lbs/A	
	Avg. Lint Yield	14 Locations
CG 3885 B2XF	763	A
DP 1538 B2XF	748	AB
PHY 444 WRF	728	ABC
ST 6182 GLT	717	BCD
DP 1553 B2XF	702	CD
NG 5007 B2XF	689	CD
PHY 333 WRF	683	D

Variety	1000 < 1249 lbs/A	
	Avg. Lint Yield	14 Locations
DP 1538 B2XF	1193	A
CG 3885 B2XF	1172	A
ST 6182 GLT	1168	A
NG 5007 B2XF	1160	A
DP 1553 B2XF	1126	A
PHY 444 WRF	1122	A
PHY 333 WRF	1095	A

Variety	> 1250 lbs/A	
	Avg. Lint Yield	12 Locations
CG 3885 B2XF	1414	A
PHY 444 WRF	1409	A
DP 1538 B2XF	1383	AB
ST 6182 GLT	1370	ABC
NG 5007 B2XF	1333	BCD
PHY 333 WRF	1323	CD
DP 1553 B2XF	1299	D

2015 UGA On-Farm Cotton Variety Performance Evaluation Program

19 Locations

Variety	Average Lint Yield (lb/A)	LSD Letters		Yield Different From Other 11 Varieties	Frequency of Top Performance (% of 19 locations)				
		Significance Level			Above Trial Average	Top 4	Top 3	Top 2	Top 1
		5%	10%						
DP 1538 B2XF	1,298	a	a	103	84	53	42	37	37
DP 1558NR B2RF	1,270	ab	ab	72	84	53	37	21	16
CG 3885 B2XF	1,266	ab	ab	67	95	74	58	42	16
DP 1553 B2XF	1,254	ab	abc	5	74	58	47	26	5
ST 6182 GLT	1,237	abc	bcd	36	79	37	37	26	11
DP 1252 B2RF	1,211	bcd	cde	8	74	37	21	16	0
NG 5007 B2XF	1,188	cde	def	-17	42	21	16	11	0
PHY 333 WRF	1,179	cde	efg	-27	37	26	16	16	11
PHY 444 WRF	1,166	de	efg	-42	32	16	16	5	5
PHY 552 WRF	1,144	ef	fgh	-65	21	11	5	0	0
ST 4946 GLB2	1,131	ef	gh	-80	16	11	5	0	0
NG 3405 B2XF	1,097	f	h	-116	5	0	0	0	0

2014 UGA On-Farm Cotton Variety Performance Evaluation Program *Stability (12 VARIETIES, 20 TRIALS)*

Variety	Combined Average	% Above Average	% Top 4	% Top 3	% Top 2	% Top 1
DP 1252 B2RF	1,141	70	60	50	45	25
CG 3787 B2RF	1,140	75	55	45	40	25
PHY 333 WRF	1,130	75	55	50	35	25
DP 1137 B2RF	1,096	60	45	30	15	5
PHY 499 WRF	1,093	60	40	30	10	0
NG 5315 B2RF	1,087	45	30	20	10	0
DP 1050 B2RF	1,079	50	25	15	5	0
ST 4946 GLB2	1,073	50	20	20	20	15
NG 1511 B2RF	1,068	45	30	20	5	0
ST 4747 GLB2	1,063	25	20	15	15	5
ST 6448 GLB2	1,023	15	5	0	0	0
PHY 575 WRF	997	10	10	5	0	0