

## 2023 On-Farm Cotton Variety Trial Results – FINAL

Camp Hand, Wade Parker, and Chandler Rowe

Variety	County (Lint yield per acre)																							All Loc. Avg.	LSD (P=0.1)	Above Trial Avg.	
	Mitchell DRY	Atkinson DRY	Irwin DRY	Colquitt DRY	Telfair DRY	Grady DRY	Turner DRY	Tattnall DRY	Burke DRY	Sumter IRR	Macon IRR	Seminole IRR	Dooley IRR	Worth IRR	Coffee IRR	Effingham IRR	Toombs IRR	Burke IRR	Miller IRR	Cook IRR	Mitchell IRR	Pulaski IRR	Colquitt IRR				Oconee DRY
ST 5091 B3XF	874	798	980	1060	1073	976	1213	1263	1350	1121	1272	1310	1306	1245	1422	1411	1468	1428	1542	1549	1541	1622	1676	1888	1308	a	92
AR 9831 B3XF	717	845	939	1010	966	1175	1074	1080	1134	1271	1453	1296	1219	1148	1383	1577	1322	1450	1507	1599	1497	1580	1829	1963	1293	ab	67
DP 2333 B3XF	752	891	892	997	975	1087	1230	1264	1155	1451	1150	1247	1154	1278	1310	1460	1677	1331	1339	1492	1483	1647	1730	2020	1292	ab	54
ST 4595 B3XF	833	831	890	1011	982	986	1088	1193	1216	1237	1264	1145	1297	1204	1444	1439	1389	1404	1539	1490	1603	1561	1692	1919	1277	abc	75
DP 2038 B3XF	784	801	930	1073	1043	1134	1251	1085	1085	1331	1029	1239	1211	1321	1246	1397	1090	1460	1468	1484	1453	1628	1648	1927	1255	bcd	67
DG 3799 B3XF	713	791	858	1094	1053	1215	1186	1077	1099	1187	1156	1283	1157	1287	1235	1198	1322	1436	1433	1486	1453	1573	1669	1765	1238	cde	38
NG 3195 B3XF	882	752	948	1017	1196	1037	920	1199	1231	1051	1173	1149	1227	1236	1355	1305	1344	1374	1404	1506	1494	1505	1454	1776	1231	de	38
AR 9371 B3XF	729	811	867	940	941	1021	966	1126	1095	1070	1321	1205	1314	1199	1571	1402	1381	1264	1470	1471	1452	1492	1484	1853	1227	de	33
NG 4190 B3XF	740	744	887	956	1066	1016	987	1188	1217	1192	1140	1074	1137	1274	1395	1225	1447	1327	1321	1414	1474	1462	1368	1906	1207	e	29
DG 3528 B3XF	770	695	889	879	1018	966	1039	1109	1188	963	986	1048	1173	1194	1197	1175	1182	1236	1336	1403	1513	1414	1358	1842	1149	f	8
	779	796	908	1004	1031	1061	1096	1158	1177	1187	1194	1200	1219	1238	1356	1359	1362	1371	1436	1489	1496	1548	1591	1886			

DRY – Dryland

IRR – Irrigated

Bolded varieties – Top yielding group

Shaded green and green font – Above location average

Red line (between Worth and Coffee) represents the overall trial average (1,248 lbs/acre)

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

### Locations that yielded BELOW the trial average (1,248 lbs/acre)

Variety	County (Lint yield per acre)															All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Mitchell DRY	Atkinson DRY	Irwin DRY	Colquitt DRY	Telfair DRY	Grady DRY	Turner DRY	Tattnall DRY	Burke DRY	Sumter IRR	Macon IRR	Seminole IRR	Dooly IRR	Worth IRR				
ST 5091 B3XF	874	798	980	1060	1073	976	1213	1263	1350	1121	1272	1310	1306	1245	1132	a	86	
DP 2333 B3XF	752	891	892	997	975	1087	1230	1264	1155	1451	1150	1247	1154	1278	1109	ab	50	
AR 9831 B3XF	717	845	939	1010	966	1175	1074	1080	1134	1271	1453	1296	1219	1148	1095	abc	50	
DP 2038 B3XF	784	801	930	1073	1043	1134	1251	1085	1085	1331	1029	1239	1211	1321	1094	abcd	71	
ST 4595 B3XF	833	831	890	1011	982	986	1088	1193	1216	1237	1264	1145	1297	1204	1084	abcd	57	
DG 3799 B3XF	713	791	858	1094	1053	1215	1186	1077	1099	1187	1156	1283	1157	1287	1083	abcd	43	
NG 3195 B3XF	882	752	948	1017	1196	1037	920	1199	1231	1051	1173	1149	1227	1236	1073	bcd	50	
NG 4190 B3XF	740	744	887	956	1066	1016	987	1188	1217	1192	1140	1074	1137	1274	1044	cde	36	
AR 9371 B3XF	729	811	867	940	941	1021	966	1126	1095	1070	1321	1205	1314	1199	1043	de	29	
DG 3528 B3XF	770	695	889	879	1018	966	1039	1109	1188	963	986	1048	1173	1194	994	e	7	
	<b>779</b>	<b>796</b>	<b>908</b>	<b>1004</b>	<b>1031</b>	<b>1061</b>	<b>1096</b>	<b>1158</b>	<b>1177</b>	<b>1187</b>	<b>1194</b>	<b>1200</b>	<b>1219</b>	<b>1238</b>				

### Locations that yielded ABOVE the trial average (1,248 lbs/acre)

Variety	County (Lint yield per acre)											All Loc. Avg.	LSD (P=0.1)	% Above Trial Avg.
	Coffee IRR	Effingham IRR	Toombs IRR	Burke IRR	Miller IRR	Cook IRR	Mitchell IRR	Pulaski IRR	Colquitt IRR	Oconee DRY				
AR 9831 B3XF	1383	1577	1322	1450	1507	1599	1497	1580	1829	1963	1571	a	90	
ST 5091 B3XF	1422	1411	1468	1428	1542	1549	1541	1622	1676	1888	1555	a	100	
DP 2333 B3XF	1310	1460	1677	1331	1339	1492	1483	1647	1730	2020	1549	ab	60	
ST 4595 B3XF	1444	1439	1389	1404	1539	1490	1603	1561	1692	1919	1548	ab	100	
AR 9371 B3XF	1571	1402	1381	1264	1470	1471	1452	1492	1484	1853	1484	bc	40	
DP 2038 B3XF	1246	1397	1090	1460	1468	1484	1453	1628	1648	1928	1480	c	60	
DG 3799 B3XF	1235	1198	1322	1436	1433	1486	1453	1573	1669	1765	1457	c	30	
NG 3195 B3XF	1355	1305	1344	1374	1404	1506	1494	1505	1454	1776	1452	c	20	
NG 4190 B3XF	1395	1225	1447	1327	1321	1414	1474	1462	1368	1906	1434	c	30	
DG 3528 B3XF	1197	1175	1182	1236	1336	1403	1513	1414	1358	1842	1366	d	10	
	<b>1356</b>	<b>1359</b>	<b>1362</b>	<b>1371</b>	<b>1436</b>	<b>1489</b>	<b>1496</b>	<b>1548</b>	<b>1591</b>	<b>1886</b>				