

Yield Summary from UGA On-Farm Cotton Variety Evaluation Program
 Data summarized from 21 locations planted in 2015.

Variety	Grand Total	Above Average	%			
			Top 4	Top 3	Top 2	Top 1
DP 1558NR B2RF	1,107	86	57	43	29	29
DP 1538 B2XF	1,103	81	67	57	33	14
CG 3885 B2XF	1,094	71	71	57	48	29
DP 1252 B2RF	1,076	76	52	48	29	5
DP 1553 B2XF	1,066	71	33	24	14	5
ST 6182 GLT	1,064	67	48	24	14	10
NG 5007 B2XF	1,048	62	19	14	10	5
PHY 444 WRF	1,013	38	14	14	5	5
PHY 333 WRF	1,012	33	29	19	19	0
PHY 552 WRF	973	19	5	0	0	0
ST 4946 GLB2	970	19	5	0	0	0
NG 3405 B2XF	936	0	0	0	0	0
Trial Average	1,038					

Whitaker - 2016

Lint Yield at each of the 21 on-farm locations included in the 2015 program.

Whitaker - 2016

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Grand Total
Variety	Mitchell Dryland 2015	Early Dryland 2015	Crisp Dryland 2015	Cook Dryland 2015	Wayne Dryland 2015	Screven Irrigated 2015	Bleckley Dryland 2015	Appling Dryland 2015	Calhoun Irrigated 2015	Pulaski Irrigated 2015	Midville Dryland 2015	Toombs Dryland 2015	Bulloch Irrigated 2015	Baker Irrigated 2015	Evans Irrigated 2015	Washington Irrigated 2015	Lowndes Dryland 2015	Grady Dryland 2015	Worth Irrigated 2015	Midville Irrigated 2015	Montgomery Irrigated 2015	Grand Total
DP 1558NR B2XF	564	621	625	761	838	1,109	1,033	932	1,135	1,042	1,109	1,162	1,566	1,080	1,240	1,441	1,274	1,441	1,328	1,373	1,571	1,107
DP 1538 B2XF	607	604	655	853	771	980	1,007	1,019	1,111	1,435	1,028	1,065	1,313	1,303	1,261	1,251	1,378	1,293	1,356	1,388	1,480	1,103
CG 3885 B2XF	604	625	651	673	919	974	869	1,020	1,031	1,199	1,073	1,247	1,274	1,384	1,324	1,286	1,396	1,213	1,404	1,484	1,318	1,094
DP 1252 B2XF	584	601	618	750	754	1,035	928	1,043	1,211	1,031	1,170	1,083	1,252	1,018	1,213	1,293	1,388	1,363	1,402	1,372	1,490	1,076
DP 1553 B2XF	563	593	627	702	901	814	1,001	974	979	1,169	1,090	1,176	1,330	1,284	1,252	1,220	1,304	1,256	1,414	1,295	1,445	1,066
ST 6182 GLT	516	595	551	714	799	891	927	1,059	1,183	1,011	1,162	1,200	1,069	1,284	1,345	1,241	1,311	1,334	1,387	1,310	1,457	1,064
NG 5007 B2XF	492	596	678	774	639	810	976	998	1,046	1,198	1,098	1,140	1,242	1,218	1,225	1,238	1,238	1,296	1,361	1,313	1,439	1,048
PHY 444 WRF	444	535	570	727	854	967	861	961	1,212	924	1,154	1,060	990	1,218	1,146	1,148	1,272	1,309	1,293	1,243	1,381	1,013
PHY 333 WRF	470	621	641	753	703	776	851	948	1,052	927	1,074	1,206	1,061	1,270	1,150	1,346	1,183	1,412	1,281	1,252	1,271	1,012
PHY 552 WRF	505	475	608	687	685	712	866	863	926	948	1,124	978	1,135	1,133	1,184	1,074	1,272	1,306	1,270	1,294	1,390	973
ST 4946 GLB2	459	549	621	687	635	722	774	827	1,072	1,047	977	1,187	1,067	1,223	1,142	1,261	1,136	1,198	1,267	1,277	1,251	970
NG 3405 B2XF	459	558	599	638	726	835	848	904	1,015	1,079	996	962	878	1,105	1,067	1,226	1,042	1,252	1,095	1,258	1,106	936
Trial Average	522	581	620	726	769	885	912	962	1,081	1,084	1,088	1,122	1,181	1,210	1,212	1,252	1,266	1,306	1,322	1,322	1,383	1,038

Yields that meet the criteria of the title of each chart are highlighted in red fill and red font.

Yield Above Average																								
Variety	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Grand Total	No. of Locs.	%
DP 1558NR B2RF	564	621	625	761	838	1,109	1,033	932	1,135	1,042	1,109	1,162	1,566	1,080	1,240	1,441	1,274	1,441	1,328	1,373	1,571	1,107	18	86
DP 1538 B2XF	607	604	655	853	771	980	1,007	1,019	1,111	1,435	1,028	1,065	1,313	1,303	1,261	1,251	1,378	1,293	1,356	1,388	1,480	1,103	17	81
CG 3885 B2XF	604	625	651	673	919	974	869	1,020	1,031	1,199	1,073	1,247	1,274	1,384	1,324	1,286	1,396	1,213	1,404	1,484	1,318	1,094	15	71
DP 1252 B2RF	584	601	618	750	754	1,035	928	1,043	1,211	1,031	1,170	1,083	1,252	1,018	1,213	1,293	1,388	1,363	1,402	1,372	1,490	1,076	16	76
DP 1553 B2XF	563	593	627	702	901	814	1,001	974	979	1,169	1,090	1,176	1,330	1,284	1,252	1,220	1,304	1,256	1,414	1,295	1,445	1,066	15	71
ST 6182 GLT	516	595	551	714	799	891	927	1,059	1,183	1,011	1,162	1,200	1,069	1,284	1,345	1,241	1,311	1,334	1,387	1,310	1,457	1,064	14	67
NG 5007 B2XF	492	596	678	774	639	810	976	998	1,046	1,198	1,098	1,140	1,242	1,218	1,225	1,238	1,238	1,296	1,361	1,313	1,439	1,048	13	62
PHY 444 WRF	444	535	570	727	854	967	861	961	1,212	924	1,154	1,060	990	1,218	1,146	1,148	1,272	1,309	1,293	1,243	1,381	1,013	8	38
PHY 333 WRF	470	621	641	753	703	776	851	948	1,052	927	1,074	1,206	1,061	1,270	1,150	1,346	1,183	1,412	1,281	1,252	1,271	1,012	7	33
PHY 552 WRF	505	475	608	687	685	712	866	863	926	948	1,124	978	1,135	1,133	1,184	1,074	1,272	1,306	1,270	1,294	1,390	973	4	19
ST 4946 GLB2	459	549	621	687	635	722	774	827	1,072	1,047	977	1,187	1,067	1,223	1,142	1,261	1,136	1,198	1,267	1,277	1,251	970	4	19
NG 3405 B2XF	459	558	599	638	726	835	848	904	1,015	1,079	996	962	878	1,105	1,067	1,226	1,042	1,252	1,095	1,258	1,106	936	0	0
Trial Average	522	581	620	726	769	885	912	962	1,081	1,084	1,088	1,122	1,181	1,210	1,212	1,252	1,266	1,306	1,322	1,322	1,383	1,038		

Yield in Top 4																								
Variety	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Grand Total	No. of Locs.	%
DP 1558NR B2RF	564	621	625	761	838	1,109	1,033	932	1,135	1,042	1,109	1,162	1,566	1,080	1,240	1,441	1,274	1,441	1,328	1,373	1,571	1,107	12	57
DP 1538 B2XF	607	604	655	853	771	980	1,007	1,019	1,111	1,435	1,028	1,065	1,313	1,303	1,261	1,251	1,378	1,293	1,356	1,388	1,480	1,103	14	67
CG 3885 B2XF	604	625	651	673	919	974	869	1,020	1,031	1,199	1,073	1,247	1,274	1,384	1,324	1,286	1,396	1,213	1,404	1,484	1,318	1,094	15	71
DP 1252 B2RF	584	601	618	750	754	1,035	928	1,043	1,211	1,031	1,170	1,083	1,252	1,018	1,213	1,293	1,388	1,363	1,402	1,372	1,490	1,076	11	52
DP 1553 B2XF	563	593	627	702	901	814	1,001	974	979	1,169	1,090	1,176	1,330	1,284	1,252	1,220	1,304	1,256	1,414	1,295	1,445	1,066	7	33
ST 6182 GLT	516	595	551	714	799	891	927	1,059	1,183	1,011	1,162	1,200	1,069	1,284	1,345	1,241	1,311	1,334	1,387	1,310	1,457	1,064	10	48
NG 5007 B2XF	492	596	678	774	639	810	976	998	1,046	1,198	1,098	1,140	1,242	1,218	1,225	1,238	1,238	1,296	1,361	1,313	1,439	1,048	4	19
PHY 444 WRF	444	535	570	727	854	967	861	961	1,212	924	1,154	1,060	990	1,218	1,146	1,148	1,272	1,309	1,293	1,243	1,381	1,013	3	14
PHY 333 WRF	470	621	641	753	703	776	851	948	1,052	927	1,074	1,206	1,061	1,270	1,150	1,346	1,183	1,412	1,281	1,252	1,271	1,012	6	29
PHY 552 WRF	505	475	608	687	685	712	866	863	926	948	1,124	978	1,135	1,133	1,184	1,074	1,272	1,306	1,270	1,294	1,390	973	1	5
ST 4946 GLB2	459	549	621	687	635	722	774	827	1,072	1,047	977	1,187	1,067	1,223	1,142	1,261	1,136	1,198	1,267	1,277	1,251	970	1	5
NG 3405 B2XF	459	558	599	638	726	835	848	904	1,015	1,079	996	962	878	1,105	1,067	1,226	1,042	1,252	1,095	1,258	1,106	936	0	0
Trial Average	522	581	620	726	769	885	912	962	1,081	1,084	1,088	1,122	1,181	1,210	1,212	1,252	1,266	1,306	1,322	1,322	1,383	1,038		

Yield in Top 3																								
Variety	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Grand Total	No. of Locs.	%
DP 1558NR B2RF	564	621	625	761	838	1,109	1,033	932	1,135	1,042	1,109	1,162	1,566	1,080	1,240	1,441	1,274	1,441	1,328	1,373	1,571	1,107	9	43
DP 1538 B2XF	607	604	655	853	771	980	1,007	1,019	1,111	1,435	1,028	1,065	1,313	1,303	1,261	1,251	1,378	1,293	1,356	1,388	1,480	1,103	12	57
CG 3885 B2XF	604	625	651	673	919	974	869	1,020	1,031	1,199	1,073	1,247	1,274	1,384	1,324	1,286	1,396	1,213	1,404	1,484	1,318	1,094	12	57
DP 1252 B2RF	584	601	618	750	754	1,035	928	1,043	1,211	1,031	1,170	1,083	1,252	1,018	1,213	1,293	1,388	1,363	1,402	1,372	1,490	1,076	10	48
DP 1553 B2XF	563	593	627	702	901	814	1,001	974	979	1,169	1,090	1,176	1,330	1,284	1,252	1,220	1,304	1,256	1,414	1,295	1,445	1,066	5	24
ST 6182 GLT	516	595	551	714	799	891	927	1,059	1,183	1,011	1,162	1,200	1,069	1,284	1,345	1,241	1,311	1,334	1,387	1,310	1,457	1,064	5	24
NG 5007 B2XF	492	596	678	774	639	810	976	998	1,046	1,198	1,098	1,140	1,242	1,218	1,225	1,238	1,238	1,296	1,361	1,313	1,439	1,048	3	14
PHY 444 WRF	444	535	570	727	854	967	861	961	1,212	924	1,154	1,060	990	1,218	1,146	1,148	1,272	1,309	1,293	1,243	1,381	1,013	3	14
PHY 333 WRF	470	621	641	753	703	776	851	948	1,052	927	1,074	1,206	1,061	1,270	1,150	1,346	1,183	1,412	1,281	1,252	1,271	1,012	4	19
PHY 552 WRF	505	475	608	687	685	712	866	863	926	948	1,124	978	1,135	1,133	1,184	1,074	1,272	1,306	1,270	1,294	1,390	973	0	0
ST 4946 GLB2	459	549	621	687	635	722	774	827	1,072	1,047	977	1,187	1,067	1,223	1,142	1,261	1,136	1,198	1,267	1,277	1,251	970	0	0
NG 3405 B2XF	459	558	599	638	726	835	848	904	1,015	1,079	996	962	878	1,105	1,067	1,226	1,042	1,252	1,095	1,258	1,106	936	0	0
Trial Average	522	581	620	726	769	885	912	962	1,081	1,084	1,088	1,122	1,181	1,210	1,212	1,252	1,266	1,306	1,322	1,322	1,383	1,038		

Yield in Top 2																								
Variety	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	Grand Total	No. of Locs.	%
DP 1558NR B2RF	564	621	625	761	838	1,109	1,033	932	1,135	1,042	1,109	1,162	1,566	1,080	1,240	1,441	1,274	1,441	1,328	1,373	1,571	1,107	6	29
DP 1538 B2XF	607	604	655	853	771	980	1,007	1,019	1,111	1,435	1,028	1,065	1,313	1,303	1,261	1,251	1,378	1,293	1,356	1,388	1,480	1,103	7	33
CG 3885 B2XF	604	625	651	673	919	974	869	1,020	1,031	1,199	1,073	1,247	1,274	1,384	1,324	1,286	1,396	1,213	1,404	1,484	1,318	1,094	10	48
DP 1252 B2RF	584	601	618	750	754	1,035	928	1,043	1,211	1,031	1,170	1,083	1,252	1,018	1,213	1,293	1,388	1,363	1,402	1,372	1,490	1,076	6	29
DP 1553 B2XF	563	593	627	702	901	814	1,001	974	979	1,169	1,090	1,176	1,330	1,284	1,252	1,220	1,304	1,256	1,414	1,295	1,445	1,066	3	14
ST 6182 GLT	516	595	551	714	799	891	927	1,059	1,183	1,011	1,162	1,200	1,069	1,284	1,345	1,241	1,311	1,334	1,387	1,310	1,457	1,064	3	14
NG 5007 B2XF	492	596	678	774	639	810	976	998	1,046	1,198	1,098	1,140	1,242	1,218	1,225	1,238	1,238	1,296	1,361	1,313	1,439	1,048	2	10
PHY 444 WRF	444	535	570	727	854	967	861	961	1,212	924	1,154	1,060	990	1,218	1,146	1,148	1,272	1,309	1,293	1,243	1,38			

Lint yield and fiber quality summarized across all locations.

Variety	Lint Yield	Gin Turnout	Leaf Grade	Micronaire	HVI Length	Strength	Uniformity	Rd	plus B	Loan Value (no ext)
DP 1558NR B2RF	1,107	41.18	2.2	4.8	1.14	30.7	82.1	74.1	8.4	53.32
DP 1538 B2XF	1,103	41.19	2.0	4.7	1.10	27.8	82.1	74.6	7.9	53.01
CG 3885 B2XF	1,094	40.67	1.9	4.7	1.12	27.4	82.1	74.2	8.1	53.02
DP 1252 B2RF	1,076	41.77	2.0	4.7	1.13	28.3	82.5	73.8	8.1	53.11
DP 1553 B2XF	1,066	41.07	2.1	4.6	1.14	28.3	82.3	74.0	8.1	53.54
ST 6182 GLT	1,064	43.10	2.2	4.6	1.12	27.6	81.7	74.3	7.8	53.37
NG 5007 B2XF	1,048	40.91	1.9	4.6	1.13	27.0	81.6	73.7	8.0	53.51
PHY 444 WRF	1,013	40.32	2.4	4.0	1.21	30.7	82.7	74.5	8.2	54.86
PHY 333 WRF	1,012	40.20	2.8	4.4	1.15	29.4	82.2	73.1	8.3	53.99
PHY 552 WRF	973	39.96	2.9	4.2	1.15	30.6	82.6	74.4	7.7	53.60
ST 4946 GLB2	970	38.40	2.5	4.6	1.12	29.7	82.3	72.9	8.4	53.16
NG 3405 B2XF	936	39.73	2.5	4.4	1.09	26.7	81.1	73.8	8.1	52.28
Average	1,038	40.71	2.3	4.5	1.13	28.7	82.1	73.9	8.1	53.40

Lint Yields figured from 21 locations in 2015
 Fiber quality figured from 20 locations in 2015

Whitaker - 2016

Fiber quality characteristics figured using "The Upland Cotton Loan Valuation Program" from Cotton Incorporated and Larry Falconer at MSU.

Variety	Loan Value (no ext. matter)	Average Points Over Loan	% High Micronaire	% Bark	% Seed Coat Fragments	Average of Loan Value (w/ ext)
PHY 444 WRF	54.86	286	5	0	5	54.69
PHY 333 WRF	53.99	199	0	0	25	52.81
PHY 552 WRF	53.60	160	0	5	20	52.67
DP 1553 B2XF	53.54	154	20	0	5	53.25
NG 5007 B2XF	53.51	151	10	0	15	52.55
ST 6182 GLT	53.37	137	20	5	0	52.83
DP 1558NR B2RF	53.32	132	35	0	5	53.18
ST 4946 GLB2	53.16	116	15	0	15	52.53
DP 1252 B2RF	53.11	111	15	0	5	53.20
CG 3885 B2XF	53.02	102	20	0	5	52.80
DP 1538 B2XF	53.01	101	25	0	10	52.27
NG 3405 B2XF	52.28	28	5	0	10	51.67
	53.40	140	14	1	10	52.87

Whitaker - 2016

Variety	Loan Value	Loan Value Rank	Avg. Yield	Avg. Yield Rank	Total Value	Total Value Rank	Total Value vs. Yield	Total Value vs. Loan Value
DP 1558NR B2RF	53.32	7	1,107	1	\$590	1	0	6
DP 1538 B2XF	53.01	11	1,103	2	\$585	2	0	9
CG 3885 B2XF	53.02	10	1,094	3	\$580	3	0	7
DP 1252 B2RF	53.11	9	1,076	4	\$571	4	0	5
DP 1553 B2XF	53.54	4	1,066	5	\$571	5	0	-1
ST 6182 GLT	53.37	6	1,064	6	\$568	6	0	0
NG 5007 B2XF	53.51	5	1,048	7	\$561	7	0	-2
PHY 444 WRF	54.86	1	1,013	8	\$556	8	0	7
PHY 333 WRF	53.99	2	1,012	9	\$546	9	0	7
PHY 552 WRF	53.60	3	973	10	\$522	10	0	7
ST 4946 GLB2	53.16	8	970	11	\$516	11	0	5
NG 3405 B2XF	52.28	12	936	12	\$489	12	0	0
	53.40		\$1,038		\$555			

This table has the 12 varieties in rank of total value, which is calculated by multiplying lint yield and loan value (from top to bottom).

The last two columns basically indicate the difference between Value rank and either yield or loan value.

Whitaker - 2016