

## 2013 Mississippi Cotton Variety Trials

Table 1. [Mean yield performance and fiber charecteristics OVT varieties average across 2013 siteyears](#)

Table 2. [Two-year yield performance of varieties cultivated in the Delta Region](#)

Table 3. [Two-year yield performance of varieties cultivated in the Hill Region](#)

Table 4. [One-year yield performance of varieties cultivated in the Delta Region](#)

Table 5. [One-year yield performance of varieties cultivated in the Hill Region](#)

Table 6. [2013 yield performance and fiber charecteristics - CLARKSDALE OVT TRIAL](#)

Table 7. [2013 yield performance and fiber charecteristics - ITTA BENA OVT TRIAL](#)

Table 8. [2013 yield performance and fiber charecteristics - NOUXABEE CO. OVT TRIAL](#)

Table 9. [2013 yield performance and fiber charecteristics - SENATOBIA OVT TRIAL](#)

Table 10. [2013 yield performance and fiber charecteristics - STARKVILLE OVT TRIAL](#)

Table 11. [2013 yield performance and fiber charecteristics - STONEVILLE OVT TRIAL](#)

Table 12. [2013 yield performance and fiber charecteristics - TUNICA OVT TRIAL](#)

Table 13. [2013 yield performance and fiber charecteristics - VERONA OVT TRIAL](#)

Table 14. [2013 yield performance and fiber charecteristics -CAST Trial STONEVILLE](#)

One year mean yield performance and fiber characteristics for OVT Trial varieties submitted for testing in 2013  
across all testing locations

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
Px312b51WRF	5127	<b>2150</b>	0.44	1.18	4.60	32.15	85.15	6.83	5.33	10.27
Px375001WRF	4798	<b>2134</b>	0.46	1.16	4.76	33.13	84.16	7.79	5.70	9.77
PHY 333 WRF	4796	<b>2068</b>	0.44	1.18	4.59	31.46	84.95	6.33	5.53	9.83
PHY 375 WRF	4707	<b>2048</b>	0.45	1.14	4.59	31.15	83.94	6.55	5.39	9.81
Px444414WRF	4761	<b>2047</b>	0.44	1.18	4.42	32.99	84.87	6.69	5.52	10.37
PHY 499 WRF	4697	<b>2026</b>	0.44	1.16	4.79	34.92	84.89	7.57	5.54	9.46
Px300310WRF	4858	<b>2026</b>	0.43	1.13	4.70	32.35	83.55	7.25	5.22	8.86
DP 0912 B2RF	4848	<b>2018</b>	0.43	1.13	5.09	31.60	83.90	6.93	5.50	9.95
Px553840WRF	4779	<b>2001</b>	0.43	1.17	4.54	32.36	84.95	6.16	4.97	9.30
NG 1511 B2RF	4564	<b>1999</b>	0.45	1.15	4.92	33.63	84.34	8.12	5.61	10.25
Px445022WRF	4703	<b>1967</b>	0.43	1.18	4.73	34.00	85.01	6.77	5.25	9.97
Px444413WRF	4476	<b>1964</b>	0.45	1.24	4.20	32.60	85.91	6.51	5.71	10.94
DP 1321 B2RF	4561	<b>1955</b>	0.44	1.15	4.94	33.43	84.56	8.60	5.83	10.05
PHY 339 WRF	4635	<b>1950</b>	0.43	1.19	4.54	32.95	84.96	6.73	5.53	9.79
Px554010WRF	4377	<b>1894</b>	0.44	1.17	4.23	32.05	84.70	6.77	4.92	8.65
ST 4946GLB2	4683	<b>1887</b>	0.41	1.19	4.81	34.47	84.98	7.27	6.31	11.26
ST 5288B2F	4557	<b>1882</b>	0.42	1.15	4.79	30.73	83.86	6.82	5.43	9.28
DP 1048 B2RF	4293	1861	0.44	1.17	4.62	31.22	84.43	8.04	5.44	9.55
PHY 427 WRF.rk	4539	1860	0.42	1.15	4.45	32.60	84.20	7.36	5.25	9.44
PHY 575 WRF	4514	1836	0.42	1.21	4.32	31.68	84.71	7.15	5.36	9.86
ST 6448GLB2	4410	1827	0.42	1.22	4.56	30.15	84.40	5.56	5.13	9.58
Px300304WRF	4549	1823	0.41	1.16	4.59	32.92	84.30	5.92	5.65	9.66
BX 1347GLB2	4408	1820	0.42	1.21	4.65	29.03	84.16	5.45	5.64	10.28
MON 12R242B2R2	4198	1818	0.44	1.15	4.88	31.97	84.53	8.77	5.30	9.16
PHY 417 WRF.rk	4244	1812	0.44	1.14	4.25	32.85	84.20	7.63	5.15	8.84
Croplan 3787 B2RF	4132	1811	0.45	1.16	4.71	31.50	84.38	7.90	5.90	9.26
DP 1311 B2RF	4132	1789	0.44	1.15	4.65	31.00	84.22	7.60	5.06	8.98
MON 12R224B2R2	4344	1776	0.42	1.18	4.47	31.48	84.65	6.53	5.47	10.03
DP 1028 B2RF	3965	1774	0.46	1.15	4.82	32.02	84.44	7.75	5.57	9.25
FM 1944GLB2	4435	1768	0.41	1.22	4.75	31.78	85.13	5.16	5.76	10.99
DP 1137 B2RF	4087	1764	0.44	1.15	4.66	31.42	84.42	7.70	5.74	9.45
2285 B2RF	4248	1763	0.42	1.18	4.63	31.96	84.68	7.63	5.88	10.17
AM 1550 B2RF	4170	1755	0.43	1.12	4.76	29.75	84.05	6.96	5.67	10.04
DP 1133 B2RF	3972	1753	0.45	1.16	4.76	34.96	84.80	7.27	5.32	9.26
SSG UA 222	4166	1707	0.42	1.22	4.66	33.61	84.98	7.88	5.89	11.10
2610 B2RF	3906	1698	0.44	1.16	4.57	32.02	84.55	7.90	5.56	9.39
DP 1034 B2RF	3912	1696	0.44	1.17	4.60	31.64	84.30	7.98	5.86	9.39
DP 1044 B2RF	4127	1691	0.42	1.14	4.56	32.36	83.82	7.79	5.21	9.42
NG 5315 B2RF	3813	1673	0.45	1.16	4.65	32.03	84.78	8.23	5.39	9.34
HQ 110 CT	4068	1658	0.42	1.15	4.71	33.10	83.98	6.58	5.41	9.84
PHY 599 WRF	3950	1624	0.44	1.21	4.27	32.22	84.86	6.46	4.77	8.66
Croplan 3428 B2RF	3678	1582	0.44	1.20	4.71	31.55	84.53	7.26	5.23	9.31
<b>Overall Mean</b>	<b>4385</b>	<b>1856</b>	<b>0.43</b>	<b>1.17</b>	<b>4.63</b>	<b>32.21</b>	<b>84.53</b>	<b>7.15</b>	<b>5.47</b>	<b>9.71</b>
<b>LSD(0.05)</b>	<b>717</b>	<b>268</b>	<b>0.01</b>	<b>0.02</b>	<b>0.18</b>	<b>0.72</b>	<b>0.56</b>	<b>0.31</b>	<b>0.70</b>	<b>0.42</b>
<b>C.V. (%)</b>	<b>31.16</b>	<b>27.43</b>	<b>4.21</b>	<b>3.21</b>	<b>6.93</b>	<b>3.94</b>	<b>1.17</b>	<b>7.66</b>	<b>23.61</b>	<b>7.95</b>

† Lint yields in bold type within a column are not significantly different from the numerically greatest yielding variety.

**DATA DOES NOT INCLUDE STARKVILLE LOCATION, DUE TO INCOMPLETE GINNING**

**Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)**

Two-year mean yield performance of varieties cultivated at 3 locations in the Delta region during 2012 and 2013.

[BACK TO TOC](#)

Variety	Location and Year						Average across location and year
	Clarksdale		Stoneville		Tunica		
	2012	2013	2012	2013	2012	2013	
-----Lint yield (lb lint/acre)-----							
NG 1511 B2RF	1442	2879	1330	2138	1687	1825	1884
DP 1321 B2RF	1398	2506	1276	2183	1792	1904	1843
DP 0912 B2RF	1265	2915	1156	2083	1586	1901	1818
PHY 375 WRF	1249	2708	1068	2548	1541	1633	1791
ST 4946GLB2	1285	2815	940	2373	1673	1565	1775
PHY 339 WRF	1448	2712	1222	2284	1493	1456	1769
PHY 499 WRF	1407	2537	1051	2316	1703	1593	1768
ST 5288B2F	1333	2866	1126	1877	1671	1542	1736
AM 1550 B2RF	1386	2463	1065	1936	1339	1736	1654
DP 1133 B2RF	978	2787	1335	2048	1216	1333	1616
DP 1311 B2RF	1261	2610	1035	1774	1275	1734	1615
CG 3787 B2RF	1105	2572	1020	2067	1339	1362	1578
FM 1944GLB2	1320	2360	967	1939	1380	1444	1568
ST 6448GLB2	1024	2403	922	2236	1331	1366	1547
DP 1044 B2RF	1137	2231	823	1809	1666	1517	1531
DP 1137 B2RF	955	2614	890	1789	1221	1396	1478
DP 1048 B2RF	966	2543	894	1995	1084	1305	1465
DP 1034 B2RF	1082	2067	854	1938	1211	1372	1421
CG 3428 B2RF	986	2148	962	1780	1139	1167	1364

***Table is sorted based on average across location and year Lint Yield means (i.e. from greatest to lowest lint yield)***

Two-year mean yield performance of varieties cultivated at 4 locations in the Hill region during 2011 and 2012.

[Back to TOC](#)

Variety	Location and Year						Average across location and year
	Senatobia		Starkville		Verona		
	2012	2013	2012	2013	2012	2013	
-----Lint yield (lb lint/acre)-----							
PHY 499 WRF	1423	2335	1347	.	1876	1593	1715
DP 1321 B2RF	1382	2429	1475	.	1834	1421	1708
CG 3787 B2RF	1456	1973	1529	.	1897	1472	1665
PHY 339 WRF	1381	2298	1465	.	1926	1226	1659
DP 1048 B2RF	1418	2066	1530	.	1867	1400	1656
DP 1137 B2RF	1316	2037	1559	.	1868	1435	1643
DP 0912 B2RF	1257	2336	1307	.	1798	1487	1637
NG 1511 B2RF	1411	2223	1363	.	1885	1291	1635
PHY 375 WRF	1351	2292	1255	.	1679	1488	1613
ST 6448GLB2	1304	2163	1326	.	1793	1458	1609
DP 1034 B2RF	1322	1822	1573	.	1823	1411	1590
DP 1133 B2RF	1436	2060	1340	.	1776	1202	1563
ST 5288B2F	1189	2148	1430	.	1564	1296	1525
AM 1550 B2RF	1253	1980	1261	.	1658	1318	1494
CG 3428 B2RF	1227	1799	1563	.	1741	1135	1493
FM 1944GLB2	1133	1996	1412	.	1704	1158	1481
ST 4946GLB2	1241	2203	1142	.	1614	1040	1448
DP 1044 B2RF	1209	1962	1094	.	1716	1196	1435
DP 1311 B2RF	1285	1774	1243	.	1637	1200	1428

***Table is sorted based on average across location and year Lint Yield means (i.e. from greatest to lowest lint yield)***

***DATA DOES NOT INCLUDE STARKVILLE LOCATION, DUE TO INCOMPLETE GINNING***

One year mean yield performance of varieties cultivated at 4 locations in the Delta Region during 2013.

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
Px312b51WRF	5864	<b>2494</b>	0.44	1.18	4.79	32.12	85.21	6.86	5.35	10.51
Px375001WRF	5374	<b>2363</b>	0.45	1.16	4.91	33.01	84.19	7.88	5.68	10.01
Px300310WRF	5670	<b>2349</b>	0.43	1.14	4.94	32.43	83.70	7.19	5.29	9.03
PHY 333 WRF	5454	<b>2322</b>	0.44	1.18	4.75	31.81	85.04	6.35	5.38	10.07
NG 1511 B2RF	5202	<b>2262</b>	0.45	1.15	5.05	33.78	84.38	8.21	5.63	10.34
Px445022WRF	5413	<b>2254</b>	0.43	1.18	4.85	34.17	85.09	6.82	5.25	10.12
DP 0912 B2RF	5434	<b>2232</b>	0.43	1.13	5.29	31.60	83.92	6.89	5.43	10.07
PHY 427 WRF.rk	5441	<b>2209</b>	0.42	1.15	4.61	32.51	84.08	7.39	5.04	9.55
PHY 375 WRF	5142	<b>2208</b>	0.44	1.13	4.75	31.43	84.04	6.44	5.14	9.93
Px444414WRF	5208	<b>2208</b>	0.44	1.18	4.50	32.96	84.70	6.68	5.21	10.38
Px553840WRF	5335	<b>2206</b>	0.43	1.17	4.72	32.59	84.94	6.17	4.93	9.53
DP 1321 B2RF	5191	<b>2198</b>	0.44	1.15	5.06	33.37	84.40	8.56	5.71	10.11
ST 4946GLB2	5449	<b>2189</b>	0.42	1.18	5.06	34.74	84.98	7.24	6.21	11.39
PHY 499 WRF	5110	<b>2172</b>	0.44	1.17	4.91	34.91	84.99	7.56	5.38	9.63
PHY 339 WRF	5150	2144	0.43	1.19	4.64	33.19	85.13	6.71	5.32	9.96
PHY 417 WRF.rk	5041	2135	0.44	1.14	4.48	32.88	84.13	7.79	5.02	9.13
Px300304WRF	5356	2116	0.41	1.17	4.79	32.91	84.49	5.99	5.59	9.79
Px444413WRF	4869	2112	0.45	1.24	4.33	32.61	85.87	6.45	5.51	11.06
Px554010WRF	4867	2069	0.44	1.17	4.36	32.31	84.73	6.79	4.80	8.96
DP 1311 B2RF	4781	2050	0.44	1.15	4.76	30.89	84.18	7.70	4.88	9.22
ST 5288B2F	5019	2036	0.42	1.15	4.94	30.64	83.92	6.86	5.50	9.50
DP 1133 B2RF	4469	2029	0.45	1.17	4.93	35.45	84.93	7.33	5.22	9.54
PHY 575 WRF	4915	2027	0.41	1.21	4.46	31.79	84.86	7.26	5.20	10.13
2285 B2RF	4862	2023	0.43	1.16	4.79	32.15	84.40	7.55	5.50	10.37
MON 12R242B2R2	4671	2019	0.45	1.16	5.04	32.20	84.50	8.84	5.13	9.43
DP 1048 B2RF	4702	2012	0.44	1.18	4.70	31.59	84.51	8.03	5.09	9.74
MON 12R224B2R2	4933	2009	0.42	1.18	4.66	31.70	84.79	6.48	5.44	10.14
BX 1347GLB2	4938	2007	0.42	1.21	4.76	29.38	84.37	5.29	5.54	10.63
Croplan 3787 B2RF	4640	2006	0.45	1.15	4.83	31.75	84.24	7.84	5.38	9.42
FM 1944GLB2	4956	1968	0.41	1.22	4.92	31.88	85.31	5.08	5.50	11.04
AM 1550 B2RF	4715	1961	0.43	1.12	4.94	29.82	84.03	6.93	5.39	10.33
2610 B2RF	4502	1935	0.44	1.16	4.69	32.30	84.56	7.90	5.43	9.56
ST 6448GLB2	4757	1933	0.42	1.22	4.69	30.48	84.51	5.46	5.04	9.81
DP 1028 B2RF	4342	1917	0.46	1.15	4.94	32.30	84.48	7.74	5.36	9.49
DP 1137 B2RF	4478	1910	0.44	1.15	4.76	31.74	84.58	7.62	5.50	9.49
DP 1034 B2RF	4403	1893	0.44	1.17	4.74	31.99	84.43	7.96	5.60	9.54
DP 1044 B2RF	4575	1875	0.42	1.14	4.79	32.40	83.78	7.87	5.08	9.64
SSG UA 222	4540	1836	0.42	1.21	4.85	33.66	84.97	7.82	5.86	11.46
HQ 110 CT	4534	1812	0.41	1.15	4.84	33.31	83.96	6.65	5.41	9.99
NG 5315 B2RF	4146	1786	0.44	1.16	4.78	32.23	84.86	8.28	5.24	9.69
PHY 599 WRF	4427	1759	0.43	1.21	4.45	32.44	84.90	6.67	4.76	8.89
Croplan 3428 B2RF	3962	1677	0.44	1.20	4.81	31.99	84.54	7.39	5.06	9.38
<b>Overall Mean</b>	<b>4925</b>	<b>2065</b>	<b>0.43</b>	<b>1.17</b>	<b>4.8</b>	<b>32.37</b>	<b>84.56</b>	<b>7.15</b>	<b>5.33</b>	<b>9.90</b>
<b>LSD(0.05)</b>	<b>915</b>	<b>329</b>	<b>0.01</b>	<b>0.03</b>	<b>0.15</b>	<b>0.91</b>	<b>0.76</b>	<b>0.35</b>	<b>0.48</b>	<b>0.47</b>
<b>C.V. (%)</b>	<b>26.78</b>	<b>22.88</b>	<b>3.69</b>	<b>3.62</b>	<b>4.45</b>	<b>4.05</b>	<b>1.29</b>	<b>7.12</b>	<b>12.87</b>	<b>6.96</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

**One year mean yield performance of varieties cultivated at 4 locations in the HILL Region during 2013.**

[BACK TO TOC](#)

*DATA NOT PRESENTED DUE TO INCOMPLETE GINNING*

Variety	Measurement								
	Lint Yield† (lb/acre)	Lint (%)	Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity (%)	Elongation (%)	Ind. Boll Weight (g)	100 seed Weight (g)
2285 B2RF									
2610 B2RF									
AM 1550 B2RF									
BX 1347GLB2									
Croplan 3428 B2RF									
Croplan 3787 B2RF									
DP 0912 B2RF									
DP 1028 B2RF									
DP 1034 B2RF									
DP 1044 B2RF									
DP 1048 B2RF									
DP 1133 B2RF									
DP 1137 B2RF									
DP 1311 B2RF									
DP 1321 B2RF									
FM 1944GLB2									
HQ 110 CT									
MON 12R224B2R2									
MON 12R242B2R2									
NG 1511 B2RF									
NG 5315 B2RF									
PHY 375 WRF									
PHY 339 WRF									
PHY 499 WRF									
PHY 575 WRF									
Px300304WRF									
Px300310WRF									
PHY 333 WRF									
Px312b51WRF									
Px375001WRF									
PHY 417 WRF.rk									
PHY 427 WRF.rk									
Px444413WRF									
Px444414WRF									
Px445022WRF									
PHY 599 WRF									
Px553840WRF									
Px554010WRF									
SSG UA 222									
ST 4946GLB2									
ST 5288B2F									
ST 6448GLB2									
<b>Overall Mean</b>									
<b>LSD(0.05)</b>									
<b>C.V. (%)</b>									

Mean yield performance and fiber characteristics for cotton varieties cultivated on a non-irrigated Dubbs very fine sandy loam on Cliff Heaton Farms near Clarksdale, MS during 2013.

Trial Facilitator: Dr. Bobby Golden

[BACK TO TOC](#)

Variety	Seedcotton Yield (lb/acre)	Measurement								
		Lint Yield† (lb/acre)	Lint (%)	Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity (%)	Elongation (%)	Ind. Boll Weight (g)	100 seed Weight (g)
Px312b51WRF	7638	<b>3039</b>	0.42	1.22	4.88	32.70	85.95	6.75	6.05	10.95
Px300310WRF	7520	<b>2949</b>	0.41	1.16	5.00	33.03	84.38	6.93	6.63	8.93
Px375001WRF	6973	<b>2943</b>	0.44	1.19	4.90	34.53	84.50	7.30	5.85	10.35
PHY 333 WRF	7278	<b>2925</b>	0.42	1.21	4.68	31.80	85.55	6.25	5.55	9.98
DP 0912 B2RF	7539	<b>2915</b>	0.41	1.17	5.28	32.95	84.85	6.75	6.20	9.98
NG 1511 B2RF	6938	<b>2879</b>	0.44	1.19	4.98	35.55	85.23	8.08	6.23	10.35
ST 5288B2F	7298	<b>2866</b>	0.41	1.21	4.68	32.20	84.88	6.85	5.70	9.23
ST 4946GLB2	7446	<b>2815</b>	0.40	1.23	5.08	35.50	85.85	6.78	7.40	11.48
Px444414WRF	7037	<b>2807</b>	0.42	1.23	4.40	34.35	85.88	6.35	5.85	10.18
DP 1133 B2RF	6726	<b>2787</b>	0.44	1.20	4.85	36.65	85.58	7.60	5.68	9.25
PHY 427 WRF.rk	7101	<b>2713</b>	0.40	1.18	4.65	32.95	84.38	7.25	5.53	9.45
PHY 339 WRF	6913	<b>2712</b>	0.41	1.22	4.55	34.40	85.85	6.28	5.80	10.28
PHY 375 WRF	6495	<b>2708</b>	0.44	1.15	4.78	31.58	84.53	6.05	5.73	9.85
2610 B2RF	6544	2693	0.43	1.20	4.68	33.93	85.43	7.75	5.90	9.55
BX 1347GLB2	6884	2670	0.41	1.25	4.60	31.48	85.35	4.75	6.48	9.98
DP 1137 B2RF	6307	2614	0.44	1.18	4.65	32.18	84.95	7.45	5.40	9.05
PHY 599 WRF	6549	2614	0.42	1.26	4.25	33.25	86.15	6.68	5.50	8.20
DP 1311 B2RF	6519	2610	0.42	1.19	4.80	31.38	85.00	7.78	5.45	9.18
MON 12R242B2R2	6307	2598	0.43	1.20	4.83	32.90	85.03	8.70	5.23	8.53
Px445022WRF	6711	2598	0.41	1.24	4.85	36.00	86.30	6.93	5.93	10.30
Px554010WRF	6450	2577	0.42	1.25	4.08	34.03	86.08	6.83	5.50	8.78
PHY 417 WRF.rk	6524	2575	0.42	1.23	4.45	34.13	86.18	6.18	5.35	8.98
Px553840WRF	6820	2575	0.40	1.17	4.58	33.88	84.58	7.38	5.70	9.30
Croplan 3787 B2RF	6258	2572	0.44	1.19	4.88	32.75	85.03	7.68	5.85	9.43
Px300304WRF	6736	2561	0.40	1.23	4.85	32.85	85.25	6.03	6.23	10.33
DP 1048 B2RF	6386	2543	0.42	1.23	4.70	32.58	85.43	8.38	5.55	9.60
PHY 499 WRF	6278	2537	0.43	1.20	4.63	35.10	85.88	7.50	6.03	9.40
HQ 110 CT	6603	2531	0.40	1.18	4.80	34.43	84.58	6.65	6.10	9.58
DP 1321 B2RF	6219	2506	0.43	1.19	5.15	35.20	85.25	8.58	6.13	10.53
AM 1550 B2RF	6288	2463	0.41	1.16	4.85	30.23	84.95	6.53	5.90	10.25
DP 1028 B2RF	5805	2455	0.45	1.18	4.83	33.38	85.38	8.35	5.80	8.78
NG 5315 B2RF	5938	2449	0.43	1.19	4.68	33.28	85.30	7.95	5.75	9.75
MON 12R224B2R2	6411	2433	0.40	1.21	4.68	33.03	85.45	6.25	6.13	10.18
PHY 575 WRF	6332	2431	0.40	1.23	4.50	32.45	85.85	7.28	5.63	10.20
Px444413WRF	5982	2418	0.43	1.29	4.43	33.73	86.53	6.40	6.08	11.55
ST 6448GLB2	6169	2403	0.41	1.25	4.50	31.08	85.00	5.35	5.50	9.25
2285 B2RF	6056	2378	0.41	1.22	4.78	33.58	85.18	7.28	5.95	10.40
FM 1944GLB2	6155	2360	0.40	1.27	4.95	33.53	86.15	4.90	6.03	11.08
SSG UA 222	5829	2274	0.41	1.25	5.00	34.13	85.88	7.50	6.80	11.30
DP 1044 B2RF	5775	2231	0.41	1.16	4.73	33.43	83.88	7.98	5.48	9.18
Croplan 3428 B2RF	5322	2148	0.43	1.24	4.70	32.53	85.73	8.05	5.33	9.13
DP 1034 B2RF	5578	2067	0.43	1.20	4.68	32.93	84.93	8.03	6.05	9.40
<b>Overall Mean</b>	<b>6539</b>	<b>2597</b>	<b>0.42</b>	<b>1.21</b>	<b>4.73</b>	<b>33.37</b>	<b>85.33</b>	<b>7.05</b>	<b>5.88</b>	<b>9.79</b>
<b>LSD(0.05)</b>	<b>987</b>	<b>340</b>	<b>0.01</b>	<b>0.04</b>	<b>0.27</b>	<b>1.41</b>	<b>1.10</b>	<b>0.67</b>	<b>0.72</b>	<b>0.83</b>
<b>C.V. (%)</b>	<b>10.78</b>	<b>10.94</b>	<b>2.29</b>	<b>2.29</b>	<b>4.13</b>	<b>3.02</b>	<b>0.92</b>	<b>6.81</b>	<b>8.77</b>	<b>6.09</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for OVT cotton varieties cultivated on a non-irrigated Tensas silty clay loam on Mark Kimmel farms near Itta Bena, MS during 2013

Trial Facilitator: Dr. Bobby Golden

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
Px312b51WRF	5149	<b>2353</b>	0.46	1.13	4.88	31.58	84.08	6.68	5.50	9.70
NG 1511 B2RF	4834	<b>2207</b>	0.46	1.09	5.15	32.80	83.65	8.50	5.75	10.05
DP 1048 B2RF	4883	<b>2204</b>	0.45	1.16	4.80	30.40	83.63	8.28	5.18	9.45
DP 1321 B2RF	4967	<b>2200</b>	0.44	1.11	5.23	32.83	83.15	8.73	5.38	9.35
Px445022WRF	4721	<b>2146</b>	0.45	1.12	5.00	33.08	83.40	6.95	4.78	9.85
Px300310WRF	4809	<b>2127</b>	0.44	1.11	5.15	30.83	82.03	7.40	5.13	8.88
Px444414WRF	4548	2110	0.46	1.11	4.65	31.53	83.18	7.13	5.20	9.80
Px375001WRF	4607	2106	0.46	1.11	5.00	31.30	83.35	8.03	5.68	9.08
DP 1311 B2RF	4593	2083	0.45	1.12	4.83	31.25	84.10	7.90	4.90	8.98
Px444413WRF	4336	2081	0.48	1.17	4.50	31.05	84.83	6.68	5.48	9.60
PHY 333 WRF	4474	2029	0.45	1.14	4.93	31.05	83.85	6.88	6.05	9.83
DP 0912 B2RF	4597	2028	0.44	1.06	5.30	30.00	81.95	7.10	5.00	9.50
Croplan 3787 B2RF	4499	2023	0.45	1.12	4.90	30.85	83.30	8.00	5.28	9.28
ST 4946GLB2	4632	2004	0.43	1.13	5.08	34.10	83.70	7.48	6.13	9.73
FM 1944GLB2	4642	1999	0.43	1.17	4.85	29.85	83.63	5.35	5.50	9.73
PHY 499 WRF	4445	1990	0.45	1.13	5.03	33.23	83.85	7.88	5.13	9.15
PHY 339 WRF	4459	1978	0.44	1.16	4.73	32.95	83.93	7.13	5.15	9.15
2610 B2RF	4390	1976	0.45	1.11	4.83	30.58	83.15	8.05	5.55	9.20
DP 1034 B2RF	4450	1975	0.44	1.16	4.75	31.78	83.83	8.00	5.33	9.68
PHY 427 WRF.rk	4450	1964	0.44	1.10	4.80	31.23	83.10	7.60	4.70	9.43
PHY 375 WRF	4450	1944	0.44	1.12	4.88	30.40	83.38	7.00	5.13	9.65
DP 1044 B2RF	4504	1944	0.43	1.09	4.88	32.05	83.33	8.10	4.60	9.55
MON 12R242B2R2	4233	1919	0.45	1.13	5.15	31.68	83.90	9.00	5.08	9.88
MON 12R224B2R2	4459	1915	0.43	1.14	4.78	30.45	83.25	6.55	5.05	9.73
DP 1028 B2RF	4085	1908	0.47	1.12	5.05	31.10	83.10	7.88	5.48	9.80
Px553840WRF	4164	1877	0.45	1.09	5.10	31.85	83.35	6.10	4.70	9.48
ST 5288B2F	4351	1857	0.43	1.11	5.05	29.23	82.73	7.25	5.43	9.50
Px300304WRF	4479	1843	0.41	1.12	4.83	32.30	83.80	5.70	5.38	9.25
DP 1137 B2RF	4198	1842	0.44	1.12	4.80	31.85	83.93	7.58	5.45	9.20
2285 B2RF	4464	1839	0.45	1.09	4.80	31.03	82.80	7.78	5.53	9.58
Px554010WRF	4026	1839	0.46	1.11	4.83	30.50	83.20	7.10	4.53	9.25
PHY 417 WRF.rk	4016	1829	0.46	1.11	4.58	32.45	83.28	8.60	5.05	9.23
PHY 575 WRF	4341	1808	0.42	1.17	4.63	31.08	83.90	7.25	5.33	9.70
NG 5315 B2RF	3903	1782	0.46	1.13	4.95	31.28	84.25	8.25	5.40	9.38
DP 1133 B2RF	3962	1774	0.45	1.14	4.95	34.33	83.88	7.60	5.05	9.68
SSG UA 222	4179	1750	0.42	1.19	4.78	33.38	84.63	7.70	5.50	11.55
ST 6448GLB2	4075	1727	0.42	1.18	4.95	29.65	84.23	5.60	5.08	9.55
AM 1550 B2RF	3932	1711	0.44	1.08	5.03	29.48	82.95	7.28	5.65	10.05
Croplan 3428 B2RF	3666	1616	0.44	1.18	4.83	31.85	83.60	7.08	4.85	9.18
HQ 110 CT	3794	1588	0.42	1.12	4.93	32.73	83.18	6.83	5.10	9.65
BX 1347GLB2	3568	1559	0.44	1.15	4.98	26.95	83.30	5.98	5.20	10.18
PHY 599 WRF	3385	1500	0.44	1.16	4.90	31.28	83.88	6.88	4.65	9.08
<b>Overall Mean</b>	<b>4350</b>	<b>1928</b>	<b>0.44</b>	<b>1.13</b>	<b>4.90</b>	<b>31.41</b>	<b>83.51</b>	<b>7.35</b>	<b>5.24</b>	<b>9.56</b>
<b>LSD(0.05)</b>	<b>505</b>	<b>231</b>	<b>0.18</b>	<b>0.04</b>	<b>0.22</b>	<b>1.38</b>	<b>0.99</b>	<b>0.59</b>	<b>0.54</b>	<b>0.74</b>
<b>C.V. (%)</b>	<b>8.30</b>	<b>8.51</b>	<b>2.88</b>	<b>2.29</b>	<b>3.20</b>	<b>3.15</b>	<b>0.85</b>	<b>5.78</b>	<b>7.34</b>	<b>5.52</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)



Mean yield performance and fiber characteristics for OVT cotton varieties cultivated on a non-irrigated Brooksville Silty Clay at the BlackBelt Branch Experiment Station during 2013

Trial Facilitator: Dr. Darrin Dodds

[BACK TO TOC](#)

Variety	Measurement								
	Lint Yield† (lb/acre)	Lint (%)	Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity (%)	Elongation (%)	Ind. Boll Weight (g)	100 seed Weight (g)
PHY 375 WRF	3829	<b>1723</b>	0.45					4.30	9.05
DP 1048 B2RF	3375	<b>1676</b>	0.45					5.10	8.80
Px375001WRF	3696	<b>1665</b>	0.45					4.20	8.65
Px444413WRF	3587	<b>1606</b>	0.45					4.70	10.50
ST 5288B2F	3641	<b>1587</b>	0.44					4.35	8.85
Px444414WRF	3632	<b>1587</b>	0.44					4.30	9.45
PHY 575 WRF	3412	<b>1580</b>	0.43					4.25	8.60
Px553840WRF	3703	<b>1574</b>	0.43					4.30	10.25
PHY 499 WRF	3631	<b>1566</b>	0.43					4.35	8.55
PHY 339 WRF	3580	<b>1552</b>	0.43					4.15	8.95
Px312b51WRF	3428	<b>1500</b>	0.44					4.10	9.70
Px300310WRF	3465	1475	0.43					4.45	8.15
PHY 333 WRF	3398	1472	0.43					4.00	8.80
Px554010WRF	3262	1461	0.45					3.85	8.45
PHY 599 WRF	3215	1441	0.45					4.25	7.90
PHY 427 WRF.rk	2975	1437	0.43					4.35	8.40
ST 6448GLB2	3203	1437	0.45					4.10	8.15
NG 1511 B2RF	3178	1434	0.45					4.20	9.20
Croplan 3428 B2RF	3146	1427	0.45					4.55	9.15
DP 0912 B2RF	3216	1375	0.43					3.90	9.25
DP 1028 B2RF	2925	1374	0.47					4.60	8.00
FM 1944GLB2	3394	1353	0.40					4.60	10.55
DP 1311 B2RF	3026	1351	0.45					3.90	8.50
AM 1550 B2RF	3158	1345	0.43					4.30	9.45
NG 5315 B2RF	2891	1321	0.46					4.60	7.60
Px300304WRF	3188	1285	0.40					4.50	8.90
HQ 110 CT	3008	1281	0.43					3.90	8.90
2610 B2RF	2851	1272	0.45					4.75	9.25
MON 12R224B2R2	3060	1263	0.41					3.90	8.95
DP 1133 B2RF	2743	1256	0.46					4.45	8.75
DP 1137 B2RF	2796	1236	0.44					4.60	9.70
DP 1321 B2RF	2799	1235	0.44					4.05	9.05
MON 12R242B2R2	2822	1214	0.43					4.30	8.20
Croplan 3787 B2RF	2619	1211	0.46					4.45	8.55
Px445022WRF	2981	1197	0.40					3.80	8.95
DP 1044 B2RF	2895	1177	0.41					4.30	8.50
BX 1347GLB2	2757	1143	0.41					4.20	8.85
SSG UA 222	2774	1142	0.41					3.85	9.50
ST 4946GLB2	2843	1140	0.40					5.00	10.45
PHY 417 WRF.rk	2554	1122	0.44					3.95	7.65
DP 1034 B2RF	2403	1066	0.44					4.65	9.15
2285 B2RF	2549	958	0.38					4.10	8.75
<b>Overall Mean</b>	<b>3133</b>	<b>1366</b>	<b>0.43</b>					<b>4.3</b>	<b>8.93</b>
<b>LSD(0.05)</b>	<b>599</b>	<b>244</b>	<b>0.16</b>					<b>0.62</b>	<b>1.16</b>
<b>C.V. (%)</b>	<b>13.67</b>	<b>12.62</b>	<b>2.71</b>					<b>7.11</b>	<b>6.47</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for cotton varieties cultivated on an irrigated  
Falaya Silt Loam on Pace Perry Farms near Senatobia, MS during 2013

Trial Facilitator: Dr. Mark Shankle

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
Px312b51WRF	5612	<b>2472</b>	0.42	1.20	4.03	31.55	85.08	6.70	4.33	10.65
Px375001WRF	5162	<b>2431</b>	0.45	1.18	4.33	32.90	84.30	7.43	5.53	10.33
DP 1321 B2RF	5015	<b>2429</b>	0.42	1.16	4.50	33.13	85.10	8.28	5.48	10.63
Px444414WRF	5316	<b>2375</b>	0.42	1.20	3.98	31.65	85.10	6.45	5.35	11.10
PHY 333 WRF	5153	<b>2345</b>	0.43	1.20	4.23	30.15	84.78	6.30	5.13	10.58
DP 0912 B2RF	5405	<b>2336</b>	0.41	1.14	4.50	30.88	84.20	6.90	5.03	10.18
PHY 499 WRF	5173	<b>2335</b>	0.43	1.18	4.45	35.08	85.58	6.98	5.05	10.00
BX 1347GLB2	5256	<b>2307</b>	0.42	1.19	4.25	27.55	83.28	5.73	5.38	10.55
PHY 339 WRF	5283	<b>2298</b>	0.41	1.20	4.08	31.75	84.63	6.85	5.23	10.20
PHY 375 WRF	5049	<b>2292</b>	0.43	1.16	4.10	30.23	84.48	6.55	4.93	10.65
Px444413WRF	4911	2224	0.43	1.26	3.75	31.48	85.83	6.48	5.63	11.65
NG 1511 B2RF	4908	2223	0.43	1.16	4.55	33.00	84.68	7.70	4.88	10.90
ST 4946GLB2	5282	2203	0.40	1.19	4.40	33.45	85.05	7.23	5.95	12.40
PHY 575 WRF	5175	2187	0.40	1.22	3.88	30.60	84.35	6.80	4.88	10.00
ST 6448GLB2	5116	2163	0.40	1.24	4.15	29.00	83.70	5.60	4.75	10.10
ST 5288B2F	5035	2148	0.40	1.17	4.28	29.88	83.65	6.55	4.90	9.33
SSG UA 222	4946	2145	0.41	1.23	4.20	33.40	85.18	7.73	5.38	11.40
Px554010WRF	4620	2125	0.44	1.18	3.85	30.75	84.30	6.80	4.68	8.55
Px445022WRF	4856	2123	0.41	1.19	4.48	32.25	85.00	6.63	4.73	10.73
Px553840WRF	4820	2081	0.41	1.18	4.03	31.18	84.65	5.88	4.00	9.13
2285 B2RF	4790	2072	0.41	1.21	4.18	31.43	85.58	7.48	4.90	10.78
DP 1048 B2RF	4604	2066	0.43	1.17	4.25	30.30	84.35	7.60	5.28	10.10
DP 1133 B2RF	4425	2060	0.44	1.16	4.13	33.70	84.55	6.73	5.00	8.75
DP 1028 B2RF	4397	2046	0.44	1.14	4.40	31.20	84.40	7.33	5.15	9.60
DP 1137 B2RF	4598	2037	0.42	1.17	4.18	30.50	84.10	7.05	5.63	9.80
PHY 417 WRF.rk	4556	2032	0.42	1.17	3.83	32.05	84.40	7.30	4.50	8.93
Px300310WRF	4686	2020	0.41	1.15	4.33	32.35	83.30	6.95	4.63	9.45
MON 12R242B2R2	4597	2013	0.41	1.17	4.35	31.30	84.58	7.95	4.83	9.38
FM 1944GLB2	4852	1996	0.39	1.22	4.35	31.08	84.83	5.18	5.83	11.63
AM 1550 B2RF	4072	1980	0.41	1.15	4.10	29.30	84.28	7.03	5.75	10.20
Croplan 3787 B2RF	4368	1973	0.43	1.17	4.30	30.48	84.55	7.80	5.60	9.58
MON 12R224B2R2	4731	1969	0.39	1.20	3.90	30.40	84.20	6.60	5.15	10.63
DP 1044 B2RF	4663	1962	0.40	1.15	4.05	32.08	83.88	7.30	4.03	9.83
PHY 427 WRF.rk	4583	1944	0.40	1.17	4.13	32.88	84.38	7.08	4.93	10.15
HQ 110 CT	4397	1890	0.41	1.16	4.45	32.23	84.13	6.30	4.93	10.88
Px300304WRF	4255	1838	0.41	1.17	4.23	31.65	83.73	5.58	5.28	10.38
DP 1034 B2RF	4134	1822	0.42	1.17	4.08	30.30	83.93	7.80	5.73	9.60
NG 5315 B2RF	4034	1819	0.43	1.18	4.15	31.58	85.13	7.43	5.60	9.58
Croplan 3428 B2RF	4070	1799	0.42	1.20	4.35	30.55	83.93	6.83	5.03	9.68
DP 1311 B2RF	4034	1774	0.42	1.17	4.03	30.05	83.75	7.10	4.63	9.05
PHY 599 WRF	3722	1633	0.42	1.22	3.78	31.38	84.55	5.78	3.95	8.93
2610 B2RF	3153	857	0.42	1.16	4.15	31.13	85.00	7.58	5.28	9.48
<b>Overall Mean</b>	<b>4709</b>	<b>2081</b>	<b>0.42</b>	<b>1.18</b>	<b>4.18</b>	<b>31.37</b>	<b>84.48</b>	<b>6.88</b>	<b>5.06</b>	<b>10.13</b>
<b>LSD(0.05)</b>	<b>636</b>	<b>242</b>	<b>0.14</b>	<b>0.03</b>	<b>0.27</b>	<b>1.25</b>	<b>1.05</b>	<b>0.71</b>	<b>0.91</b>	<b>0.71</b>
<b>C.V. (%)</b>	<b>9.65</b>	<b>8.13</b>	<b>2..47</b>	<b>1.96</b>	<b>4.63</b>	<b>2.84</b>	<b>0.89</b>	<b>7.33</b>	<b>12.95</b>	<b>4.96</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for cotton varieties cultivated on an irrigated  
on the Main Campus MSU near Starkville, MS during 2013

Trial Facilitator: Dr. Ted Wallace

[BACK TO TOC](#)

Variety	Measurement									
	Seedcotton Yield	Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
2285 B2RF	3418									
2610 B2RF	3755									
AM 1550 B2RF	3568									
BX 1347GLB2	3634									
Croplan 3428 B2RF	4025									
Croplan 3787 B2RF	3967									
DP 0912 B2RF	4050									
DP 1028 B2RF	3584									
DP 1034 B2RF	3484									
DP 1044 B2RF	2824									
DP 1048 B2RF	3942									
DP 1133 B2RF	3847									
DP 1137 B2RF	4051									
DP 1311 B2RF	3357									
DP 1321 B2RF	4144									
FM 1944GLB2	3548									
HQ 110 CT	3385									
MON 12R224B2R2	3756									
MON 12R242B2R2	3390									
NG 1511 B2RF	3739									
NG 5315 B2RF	3676									
PHY 375 WRF	3631									
PHY 339 WRF	4113									
PHY 499 WRF	3710									
PHY 575 WRF	4051									
Px300304WRF	3183									
Px300310WRF	3318									
PHY 333 WRF	3843									
Px312b51WRF	3553									
Px375001WRF	4125									
PHY 417 WRF.rk	3375									
PHY 427 WRF.rk	3489									
Px444413WRF	3878									
Px444414WRF	3993									
Px445022WRF	3747									
PHY 599 WRF	3227									
Px553840WRF	3644									
Px554010WRF	3594									
SSG UA 222	2976									
ST 4946GLB2	3026									
ST 5288B2F	3206									
ST 6448GLB2	3612									
<b>Overall Mean</b>	<b>3629</b>									
<b>LSD(0.05)</b>										
<b>C.V. (%)</b>	<b>12.94</b>									

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for cotton varieties cultivated on an irrigated  
 Commerce very fine sandy loam at the Delta Research and Extension Center near Stoneville, MS during 2013.

Trial Facilitator: Dr. Bobby Golden

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
Px553840WRF	6034	<b>2649</b>	0.44	1.16	4.65	31.83	84.30	6.20	5.08	9.83
Px300310WRF	6137	<b>2604</b>	0.42	1.13	4.85	32.08	83.48	7.08	5.20	9.08
Px375001WRF	5674	<b>2602</b>	0.46	1.14	4.80	32.83	83.60	7.90	5.80	10.20
Px445022WRF	6011	<b>2569</b>	0.43	1.17	4.70	33.03	84.95	6.60	5.45	9.90
PHY 375 WRF	5707	<b>2548</b>	0.45	1.13	4.65	31.18	83.98	6.53	5.33	10.28
Px312b51WRF	6296	<b>2531</b>	0.44	1.17	4.70	31.63	85.00	7.03	5.30	10.30
PHY 427 WRF.rk	6034	<b>2525</b>	0.42	1.14	4.53	32.48	83.63	7.18	5.18	9.48
PHY 417 WRF.rk	5655	<b>2524</b>	0.45	1.13	4.40	32.28	84.50	7.73	5.53	9.28
PHY 333 WRF	5665	<b>2524</b>	0.45	1.18	4.70	31.38	84.65	5.75	5.60	9.83
Px300304WRF	6085	<b>2436</b>	0.40	1.15	4.75	32.53	84.48	5.88	5.63	9.78
Px444413WRF	5380	2408	0.45	1.25	4.28	32.40	85.83	6.08	5.43	11.13
Px554010WRF	5473	2392	0.44	1.17	4.35	32.50	84.75	6.58	5.00	8.73
Px444414WRF	5478	2387	0.44	1.19	4.43	32.50	84.48	6.50	5.40	10.73
ST 4946GLB2	5674	2373	0.42	1.19	5.03	34.03	84.53	6.98	6.13	12.05
PHY 499 WRF	5847	2316	0.44	1.17	4.93	34.80	84.70	7.33	5.65	9.65
PHY 575 WRF	5552	2305	0.42	1.21	4.43	31.98	84.45	7.05	5.65	10.28
PHY 339 WRF	5585	2284	0.44	1.17	4.60	31.98	84.85	6.55	5.48	10.18
PHY 599 WRF	5160	2260	0.44	1.22	4.50	32.70	84.53	6.65	5.13	9.48
ST 6448GLB2	5197	2236	0.43	1.22	4.65	30.58	83.98	5.40	5.03	10.05
BX 1347GLB2	5258	2217	0.42	1.21	4.60	29.00	84.05	5.23	5.63	10.70
DP 1321 B2RF	4987	2183	0.44	1.13	5.15	32.98	84.55	8.60	5.95	10.05
NG 1511 B2RF	4688	2138	0.46	1.15	5.10	33.05	83.93	7.88	5.43	10.18
DP 0912 B2RF	4837	2083	0.43	1.12	5.35	31.25	84.10	6.98	5.38	9.88
Croplan 3787 B2RF	4496	2067	0.46	1.13	4.93	30.88	83.68	7.88	5.68	9.08
DP 1133 B2RF	4370	2048	0.47	1.13	5.18	34.55	84.23	6.60	5.35	9.50
MON 12R224B2R2	4702	2016	0.43	1.16	4.68	31.05	84.75	6.70	5.40	10.03
DP 1048 B2RF	4328	1995	0.46	1.16	4.75	31.45	84.33	7.58	5.30	9.55
DP 1028 B2RF	4277	1992	0.47	1.12	5.18	31.25	84.25	7.68	5.63	9.15
FM 1944GLB2	5197	1939	0.40	1.23	4.88	31.53	85.73	4.80	5.70	11.40
DP 1034 B2RF	4230	1938	0.46	1.14	4.90	30.90	83.88	7.95	5.63	9.08
AM 1550 B2RF	4393	1936	0.44	1.09	5.08	29.30	83.68	7.25	5.60	10.13
HQ 110 CT	4548	1924	0.42	1.13	4.85	32.78	83.25	6.73	5.68	10.33
2285 B2RF	4912	1914	0.43	1.16	4.90	31.75	84.43	7.50	5.55	10.83
SSG UA 222	4449	1888	0.42	1.16	4.93	32.70	83.98	7.78	6.05	10.80
ST 5288B2F	4538	1877	0.41	1.13	5.23	30.05	83.33	6.50	5.38	9.75
MON 12R242B2R2	4459	1875	0.46	1.13	5.25	31.45	83.95	8.85	5.25	9.50
DP 1044 B2RF	4192	1809	0.43	1.14	4.85	31.60	83.83	7.10	5.30	9.85
DP 1137 B2RF	3949	1789	0.45	1.13	4.98	30.85	83.88	7.58	5.70	9.35
Croplan 3428 B2RF	3921	1780	0.45	1.18	5.00	30.95	83.98	7.25	5.33	9.25
DP 1311 B2RF	3931	1774	0.45	1.11	4.85	29.85	83.65	7.68	4.90	9.75
2610 B2RF	3889	1768	0.45	1.14	4.80	31.75	84.03	7.63	5.63	9.48
NG 5315 B2RF	3692	1677	0.46	1.12	4.98	31.65	83.88	8.15	5.18	9.10
<b>Overall Mean</b>	<b>5021</b>	<b>2170</b>	<b>0.44</b>	<b>1.16</b>	<b>4.82</b>	<b>31.84</b>	<b>84.24</b>	<b>7.02</b>	<b>5.46</b>	<b>9.92</b>
<b>LSD(0.05)</b>	<b>647</b>	<b>236</b>	<b>0.02</b>	<b>0.04</b>	<b>0.18</b>	<b>1.41</b>	<b>1.01</b>	<b>0.65</b>	<b>0.61</b>	<b>0.83</b>
<b>C.V. (%)</b>	<b>9.2</b>	<b>7.6</b>	<b>3.22</b>	<b>2.18</b>	<b>2.64</b>	<b>3.16</b>	<b>0.85</b>	<b>6.62</b>	<b>8.02</b>	<b>5.97</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for cotton varieties cultivated on an irrigated Sharkey Clay on George Perry Farms near Tunica, MS during 2013

Trial Facilitator: Dr. Mark Shankle

[BACK TO TOC](#)

Variety	Seedcotton Yield	Measurement								
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)
DP 1321 B2RF	4320	<b>1904</b>	0.44	1.17	4.70	32.48	84.65	8.33	5.40	10.50
DP 0912 B2RF	4500	<b>1901</b>	0.42	1.15	5.23	32.20	84.78	6.75	5.15	10.93
NG 1511 B2RF	4095	<b>1825</b>	0.45	1.17	4.98	33.73	84.70	8.38	5.10	10.80
PHY 333 WRF	4092	<b>1812</b>	0.44	1.20	4.70	33.00	86.13	6.53	4.33	10.65
Px312b51WRF	4033	<b>1801</b>	0.45	1.19	4.73	32.58	85.83	7.00	4.55	11.08
Px375001WRF	3934	<b>1800</b>	0.46	1.20	4.95	33.40	85.30	8.30	5.40	10.43
AM 1550 B2RF	4009	<b>1736</b>	0.43	1.14	4.83	30.28	84.53	6.65	4.40	10.90
DP 1311 B2RF	3866	<b>1734</b>	0.45	1.16	4.58	31.10	83.98	7.45	4.25	8.98
Px553840WRF	3996	<b>1723</b>	0.43	1.21	4.68	32.55	85.95	6.20	4.25	9.53
Px300310WRF	3880	<b>1716</b>	0.44	1.16	4.75	33.80	84.93	7.35	4.23	9.23
Px445022WRF	3884	<b>1704</b>	0.44	1.19	4.85	34.58	85.70	6.80	4.85	10.43
MON 12R224B2R2	3904	<b>1673</b>	0.43	1.21	4.53	32.28	85.70	6.43	5.18	10.65
PHY 375 WRF	3606	1633	0.45	1.18	4.68	32.25	85.20	7.65	4.38	9.93
PHY 427 WRF.rk	3852	1632	0.42	1.13	4.70	32.55	84.28	6.20	4.78	9.85
Px300304WRF	3792	1622	0.43	1.17	4.48	33.38	85.23	7.55	5.15	9.83
PHY 417 WRF.rk	3660	1612	0.44	1.18	4.73	33.98	84.45	6.35	4.15	9.05
2285 B2RF	3748	1609	0.43	1.14	4.35	32.93	84.15	7.45	4.98	10.68
PHY 499 WRF	3553	1593	0.45	1.17	5.08	36.50	85.55	7.55	4.73	10.30
BX 1347GLB2	3758	1582	0.42	1.25	4.88	30.08	84.78	5.20	4.85	11.65
ST 4946GLB2	3735	1565	0.42	1.20	5.05	35.35	85.83	7.75	5.18	12.30
ST 5288B2F	3644	1542	0.42	1.17	4.83	31.08	84.75	6.83	5.50	9.53
Px444413WRF	3486	1542	0.44	1.26	4.10	33.25	86.30	6.65	5.08	11.95
Px444414WRF	3472	1527	0.44	1.20	4.53	33.45	85.28	6.73	4.38	10.83
DP 1044 B2RF	3601	1517	0.42	1.16	4.73	32.53	84.10	8.30	4.95	9.98
MON 12R242B2R2	3443	1512	0.44	1.17	4.95	32.78	85.13	8.83	4.98	9.83
Px554010WRF	3222	1467	0.46	1.16	4.20	32.20	84.90	6.68	4.18	9.10
PHY 339 WRF	3340	1456	0.44	1.22	4.68	33.43	85.88	6.88	4.85	10.23
FM 1944GLB2	3547	1444	0.41	1.23	5.00	32.63	85.75	5.28	4.78	11.95
SSG UA 222	3461	1432	0.41	1.24	4.70	34.43	85.40	8.30	5.08	12.20
DP 1137 B2RF	3244	1396	0.43	1.18	4.60	32.08	85.55	7.88	5.45	10.38
DP 1034 B2RF	3126	1372	0.44	1.20	4.65	32.35	85.08	7.88	5.40	10.03
ST 6448GLB2	3304	1366	0.41	1.23	4.68	30.63	84.85	5.50	4.55	10.38
Croplan 3787 B2RF	3062	1362	0.44	1.18	4.63	32.53	84.98	7.83	4.70	9.90
DP 1133 B2RF	2579	1333	0.45	1.20	4.73	33.48	85.20	7.08	4.80	9.73
DP 1028 B2RF	2970	1312	0.44	1.18	4.55	31.95	84.68	7.90	4.55	10.25
DP 1048 B2RF	2975	1305	0.44	1.19	4.45	32.95	85.65	8.18	4.35	10.35
2610 B2RF	2975	1301	0.44	1.24	4.30	31.65	85.23	7.48	4.63	10.00
PHY 575 WRF	3131	1288	0.41	1.20	4.53	32.70	86.03	8.78	4.20	10.33
NG 5315 B2RF	2850	1236	0.43	1.18	4.80	33.33	84.83	6.40	4.63	10.55
Croplan 3428 B2RF	2725	1167	0.43	1.22	4.70	32.63	84.85	7.18	4.73	9.98
HQ 110 CT	2943	1058	0.41	1.20	4.73	36.28	86.05	7.50	4.75	10.43
PHY 599 WRF	2333	1008	0.43	1.22	4.15	32.55	85.05	6.48	3.78	8.80
<b>Overall Mean</b>	<b>3516</b>	<b>1526</b>	<b>0.43</b>	<b>1.19</b>	<b>4.68</b>	<b>32.85</b>	<b>85.17</b>	<b>7.19</b>	<b>4.75</b>	<b>10.34</b>
<b>LSD(0.05)</b>	<b>591</b>	<b>255</b>	<b>0.01</b>	<b>0.03</b>	<b>0.26</b>	<b>1.28</b>	<b>1.08</b>	<b>0.65</b>	<b>0.9</b>	<b>0.78</b>
<b>C.V. (%)</b>	<b>12.01</b>	<b>11.88</b>	<b>1.8</b>	<b>1.84</b>	<b>3.89</b>	<b>2.78</b>	<b>0.91</b>	<b>6.48</b>	<b>13.57</b>	<b>5.39</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for cotton varieties cultivated on a non-irrigated Leeper silty loam at the North Mississippi Research and Extension Center near Verona, MS during 2013.

Trial Facilitator Dr. Normie Buehring

[BACK TO TOC](#)

Variety	Seedcotton Yield (lb/acre)	Measurement								
		Lint Yield† (lb/acre)	Lint (%)	Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity (%)	Elongation (%)	Ind. Boll Weight (g)	100 seed Weight (g)
PHY 499 WRF	3356	<b>1593</b>	0.47	1.13	4.63	34.80	83.80	8.20	7.28	8.73
Px444414WRF	3257	<b>1539</b>	0.47	1.17	4.55	34.48	85.33	7.00	7.55	10.08
Px553840WRF	3331	<b>1526</b>	0.46	1.15	4.33	32.65	85.25	6.43	6.45	8.10
PHY 375 WRF	3228	<b>1488</b>	0.46	1.13	4.43	30.95	83.00	7.00	7.40	8.90
DP 0912 B2RF	3287	<b>1487</b>	0.45	1.12	4.90	32.30	83.50	7.10	7.03	9.60
Croplan 3787 B2RF	3144	<b>1472</b>	0.47	1.15	4.65	31.50	84.75	8.25	9.00	8.68
Px444413WRF	3090	<b>1470</b>	0.48	1.24	4.18	33.68	86.15	6.80	7.10	10.00
2610 B2RF	3159	<b>1467</b>	0.46	1.16	4.53	31.80	84.08	8.25	6.80	8.73
PHY 575 WRF	3070	<b>1460</b>	0.45	1.21	4.45	29.95	84.63	5.90	7.05	9.28
ST 6448GLB2	3247	<b>1458</b>	0.45	1.15	4.40	32.85	84.98	6.80	6.40	8.90
Px312b51WRF	3090	<b>1450</b>	0.47	1.14	4.75	31.05	84.13	8.70	6.88	9.20
DP 1137 B2RF	3055	<b>1435</b>	0.47	1.19	4.53	35.05	84.73	6.73	7.38	8.80
Px445022WRF	3168	<b>1430</b>	0.45	1.16	4.63	31.68	84.08	8.83	6.48	9.13
NG 5315 B2RF	2961	<b>1430</b>	0.48	1.13	4.78	31.70	84.58	9.28	6.18	8.55
MON 12R242B2R2	3030	<b>1427</b>	0.47	1.16	4.93	33.98	84.65	9.08	6.93	8.33
DP 1321 B2RF	3080	<b>1421</b>	0.46	1.16	4.55	31.60	84.18	8.20	7.55	9.75
DP 1034 B2RF	3011	<b>1411</b>	0.47	1.14	4.65	30.63	84.15	8.53	7.63	8.70
DP 1048 B2RF	3011	<b>1400</b>	0.46	1.15	4.10	32.33	84.98	6.65	7.15	8.65
Px554010WRF	3035	1396	0.46	1.13	4.58	33.85	83.90	7.80	6.15	7.60
Px375001WRF	2952	1395	0.47	1.19	4.20	32.35	84.50	7.08	6.68	8.83
PHY 333 WRF	2927	1372	0.47	1.17	4.33	31.40	84.78	6.28	7.33	8.68
DP 1028 B2RF	2824	1333	0.47	1.13	4.75	31.70	84.33	8.20	7.28	8.53
SSG UA 222	3011	1319	0.44	1.23	4.38	33.65	84.80	8.30	7.58	10.15
AM 1550 B2RF	2878	1318	0.46	1.10	4.68	29.90	83.95	7.05	7.43	9.00
ST 5288B2F	2873	1296	0.45	1.13	4.68	31.93	83.83	6.93	6.23	8.55
PHY 599 WRF	2804	1293	0.46	1.19	4.05	32.18	85.03	6.33	5.85	7.85
NG 1511 B2RF	2784	1291	0.46	1.14	4.78	33.68	83.88	8.20	7.00	9.73
Px300310WRF	2922	1289	0.44	1.11	4.13	32.05	83.18	7.80	5.93	7.95
BX 1347GLB2	2804	1263	0.45	1.20	4.60	29.13	84.23	5.80	7.05	9.38
PHY 339 WRF	2690	1226	0.46	1.18	4.63	33.20	84.65	6.73	7.38	9.15
2285 B2RF	2690	1217	0.45	1.19	4.45	31.73	84.93	8.10	9.30	9.45
DP 1133 B2RF	2518	1202	0.48	1.13	4.75	34.25	84.50	7.58	6.50	8.90
DP 1311 B2RF	2523	1200	0.48	1.15	4.80	32.38	84.85	7.73	6.80	8.18
DP 1044 B2RF	2779	1196	0.43	1.13	4.15	32.50	83.93	7.95	7.35	8.60
HQ 110 CT	2695	1186	0.44	1.14	4.15	34.20	84.13	6.00	6.65	8.65
Px300304WRF	2745	1175	0.43	1.16	4.28	31.65	84.58	6.63	6.85	8.80
MON 12R224B2R2	2631	1160	0.44	1.22	4.50	32.08	84.68	5.48	6.73	9.53
FM 1944GLB2	2715	1158	0.43	1.14	4.43	33.10	83.95	6.55	7.30	10.40
Croplan 3428 B2RF	2464	1135	0.46	1.19	4.70	30.80	85.13	7.20	6.50	8.75
ST 4946GLB2	2577	1040	0.43	1.18	4.23	34.38	84.95	7.40	7.73	10.03
PHY 417 WRF.rk	2188	991	0.45	1.15	3.78	33.50	84.30	7.30	6.90	8.18
PHY 427 WRF.rk	2203	958	0.43	1.14	4.15	32.73	84.53	7.50	6.85	8.80
<b>Overall Mean</b>	<b>2900</b>	<b>1329</b>	<b>0.46</b>	<b>1.16</b>	<b>4.47</b>	<b>32.41</b>	<b>84.44</b>	<b>7.37</b>	<b>7.03</b>	<b>8.95</b>
<b>LSD(0.05)</b>	<b>399</b>	<b>193</b>	<b>0.01</b>	<b>0.03</b>	<b>0.27</b>	<b>1.28</b>	<b>0.95</b>	<b>0.7</b>	<b>1.41</b>	<b>0.66</b>
<b>C.V. (%)</b>	<b>9.82</b>	<b>10.32</b>	<b>1.59</b>	<b>1.78</b>	<b>4.24</b>	<b>2.81</b>	<b>0.81</b>	<b>6.77</b>	<b>14.34</b>	<b>5.30</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)

Mean yield performance and fiber characteristics for CAST cotton varieties cultivated on an irrigated Commerce very fine sandy loam at the Delta Research and Extension Center near Stoneville, MS during 2013.

Trial Facilitator: Dr. Bobby Golden

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Variety	Measurement									
	Seedcotton Yield (lb/acre)	Lint Yield† (lb/acre)	Lint (%)	Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity (%)	Elongation (%)	Ind. Boll Weight (g)	100 seed Weight (g)
DGX 11W351 B2R	5652	<b>2657</b>	0.45	1.16	5.13	33.00	83.95	6.75	4.48	10.25
PHY 375 WRF	6174	<b>2613</b>	0.45	1.13	4.83	30.05	83.25	6.70	3.95	9.98
DP 0912 B2RF	5770	2325	0.43	1.11	5.35	30.65	83.90	6.83	4.15	9.60
MON 13R347B2R2	5233	2293	0.46	1.14	5.20	31.70	83.58	7.08	4.55	9.63
DG CT13125 B2R	5189	2227	0.45	1.15	4.83	31.25	83.85	8.00	3.95	10.13
MON 13R341B2R2	4632	2075	0.47	1.12	5.58	32.60	83.45	5.98	4.58	9.43
CT13414	4706	2071	0.46	1.13	5.18	31.20	84.20	8.90	4.63	9.20
ST 5288B2F	4972	2034	0.43	1.11	5.30	29.80	83.20	7.20	4.05	9.18
BRS-293	4706	1925	0.43	1.10	5.43	33.30	83.65	6.55	4.65	9.95
BRS-286	4701	1893	0.42	1.10	5.03	32.55	83.10	5.98	4.23	10.08
BRS-269	3533	1378	0.41	1.18	5.20	32.30	83.93	5.10	4.73	10.28
BRS-335	2779	1133	0.43	1.12	4.88	31.63	83.50	6.15	3.88	9.45
<b>Overall Mean</b>	<b>4837</b>	<b>2039</b>	<b>0.44</b>	<b>1.13</b>	<b>5.15</b>	<b>31.67</b>	<b>83.63</b>	<b>6.76</b>	<b>4.32</b>	<b>9.76</b>
<b>LSD(0.05)</b>	<b>827</b>	<b>296</b>	<b>0.12</b>	<b>0.03</b>	<b>0.26</b>	<b>1.69</b>	<b>1.07</b>	<b>0.57</b>	<b>0.47</b>	<b>0.65</b>
<b>C.V. (%)</b>	<b>11.88</b>	<b>9.95</b>	<b>1.9</b>	<b>2.08</b>	<b>3.51</b>	<b>3.71</b>	<b>0.89</b>	<b>5.85</b>	<b>7.51</b>	<b>4.6</b>

† Bolded means are not statistically different from greatest yielding variety at 0.05 level of significance

Table is sorted based on Lint Yield means (i.e. from greatest to lowest lint yield)