

2013 Mississippi Cotton Variety Trials

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

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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)
Px375001WRF	4714	2056	0.45	1.16	4.63	32.72	84.01	7.71	5.68	9.69
Px312b51WRF	4931	2029	0.44	1.17	4.46	31.81	85.10	6.83	5.32	10.14
PHY 333 WRF	4677	1984	0.44	1.18	4.46	30.95	84.84	6.34	5.54	9.78
Px444414WRF	4665	1966	0.44	1.18	4.34	32.41	84.80	6.71	5.55	10.35
PHY 375 WRF	4572	1951	0.44	1.13	4.51	30.81	83.81	6.56	5.38	9.77
DP 0912 B2RF	4749	1945	0.43	1.12	4.99	31.18	83.84	6.83	5.54	9.88
PHY 499 WRF	4574	1943	0.44	1.16	4.70	34.50	84.78	7.48	5.57	9.48
NG 1511 B2RF	4461	1919	0.45	1.15	4.80	33.29	84.20	8.09	5.59	10.17
Px300310WRF	4666	1914	0.43	1.13	4.59	31.96	83.44	7.20	5.26	8.87
Px553840WRF	4638	1909	0.43	1.16	4.49	31.98	84.81	6.12	4.99	9.28
DP 1321 B2RF	4509	1897	0.44	1.15	4.81	33.17	84.45	8.46	5.81	9.98
Px444413WRF	4401	1894	0.45	1.24	4.13	32.30	85.73	6.49	5.72	10.87
PHY 339 WRF	4569	1885	0.43	1.19	4.46	32.47	84.79	6.82	5.51	9.76
Px445022WRF	4584	1881	0.43	1.18	4.60	33.38	84.83	6.78	5.25	9.90
Px554010WRF	4279	1816	0.44	1.16	4.16	31.55	84.51	6.83	4.91	8.66
DP 1048 B2RF	4249	1810	0.44	1.17	4.52	30.85	84.19	7.98	5.44	9.53
ST 5288B2F	4388	1788	0.42	1.15	4.69	30.41	83.71	6.77	5.41	9.28
ST 4946GLB2	4476	1779	0.41	1.18	4.66	34.01	84.90	7.22	6.24	11.12
PHY 575 WRF	4456	1776	0.42	1.21	4.25	31.48	84.60	7.16	5.33	9.77
PHY 427 WRF	4408	1776	0.42	1.15	4.37	32.36	84.02	7.30	5.22	9.39
Croplan 3787 B2RF	4112	1768	0.45	1.15	4.62	31.18	84.11	7.88	5.85	9.22
ST 6448GLB2	4311	1758	0.43	1.21	4.47	29.55	84.11	5.60	5.13	9.54
ST 4747GLB2	4311	1754	0.42	1.21	4.50	28.67	84.04	5.50	5.58	10.17
MON 12R242B2R2	4097	1747	0.44	1.15	4.75	31.51	84.35	8.74	5.29	9.08
PHY 417 WRF	4135	1737	0.44	1.14	4.14	32.29	84.06	7.55	5.13	8.76
DP 1137 B2RF	4083	1729	0.44	1.15	4.58	31.13	84.29	7.58	5.76	9.48
Px300304WRF	4378	1726	0.41	1.16	4.47	32.40	84.17	5.88	5.60	9.58
DP 1028 B2RF	3917	1720	0.46	1.14	4.73	31.61	84.28	7.75	5.57	9.21
DP 1311 B2RF	4035	1714	0.44	1.15	4.55	30.52	84.00	7.58	5.05	8.90
DP 1133 B2RF	3956	1714	0.45	1.16	4.68	34.46	84.67	7.14	5.31	9.24
MON 12R224B2R2	4271	1713	0.42	1.17	4.32	31.07	84.44	6.51	5.43	9.97
FM 1944GLB2	4325	1698	0.41	1.22	4.65	31.35	84.86	5.17	5.76	10.86
DG 2285 B2RF	4144	1692	0.42	1.17	4.47	31.67	84.51	7.58	5.83	10.10
AM 1550 B2RF	4095	1690	0.43	1.12	4.63	29.46	83.84	7.01	5.65	9.98
DG 2610 B2RF	3887	1659	0.44	1.16	4.52	31.76	84.50	7.86	5.55	9.39
DP 1034 B2RF	3859	1646	0.44	1.17	4.52	31.35	84.15	7.85	5.79	9.32
NG 5315 B2RF	3795	1633	0.45	1.15	4.58	31.62	84.54	8.17	5.40	9.34
SSG UA 222	4017	1622	0.42	1.21	4.50	33.21	84.71	7.85	5.83	10.92
DP 1044 B2RF	3964	1595	0.42	1.14	4.44	32.23	83.76	7.72	5.16	9.35
HQ 110 CT	3982	1593	0.42	1.15	4.62	32.50	83.78	6.53	5.35	9.75
Croplan 3428 B2RF	3722	1567	0.44	1.20	4.68	31.15	84.40	7.30	5.24	9.25
PHY 599 WRF	3859	1562	0.44	1.20	4.23	31.74	84.59	6.55	4.83	8.68
Overall Mean	4291	1785	0.43	1.17	4.53	31.81	84.37	7.12	5.46	9.66
LSD(0.05)	649	256	0.01	0.02	0.21	0.84	0.55	0.30	0.65	0.40
C.V. (%)	30.84	29.17	4.09	3.17	9.01	5.00	1.25	7.92	22.93	8.11

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

DATA DOES NOT INCLUDE FIBER QUALITY FOR STARKVILLE LOCATION

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.

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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 2012 and 2013.

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Variety	Location and Year						Average across location and year
	Senatobia		Starkville		Verona		
	2012	2013	2012	2013	2012	2013	
-----Lint yield (lb lint/acre)-----							
DP 1321 B2RF	1382	2429	1475	1491	1834	1421	1672
PHY 499 WRF	1423	2335	1347	1359	1876	1593	1656
CG 3787 B2RF	1456	1973	1529	1463	1897	1472	1632
DP 1048 B2RF	1418	2066	1530	1453	1867	1400	1622
PHY 339 WRF	1381	2298	1465	1430	1926	1226	1621
DP 1137 B2RF	1316	2037	1559	1488	1868	1435	1617
DP 0912 B2RF	1257	2336	1307	1437	1798	1487	1604
NG 1511 B2RF	1411	2223	1363	1359	1885	1291	1589
PHY 375 WRF	1351	2292	1255	1268	1679	1488	1556
ST 6448GLB2	1304	2163	1326	1274	1793	1458	1553
DP 1034 B2RF	1322	1822	1573	1302	1823	1411	1542
DP 1133 B2RF	1436	2060	1340	1439	1776	1202	1542
CG 3428 B2RF	1227	1799	1563	1468	1741	1135	1489
ST 5288B2F	1189	2148	1430	1133	1564	1296	1460
AM 1550 B2RF	1253	1980	1261	1233	1658	1318	1451
FM 1944GLB2	1133	1996	1412	1209	1704	1158	1435
DP 1311 B2RF	1285	1774	1243	1189	1637	1200	1388
ST 4946GLB2	1241	2203	1142	1021	1614	1040	1377
DP 1044 B2RF	1209	1962	1094	924	1716	1196	1350

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

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

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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	2494	0.44	1.18	4.79	32.12	85.21	6.86	5.35	10.51
Px375001WRF	5374	2363	0.45	1.16	4.91	33.01	84.19	7.88	5.68	10.01
Px300310WRF	5670	2349	0.43	1.14	4.94	32.43	83.70	7.19	5.29	9.03
PHY 333 WRF	5454	2322	0.44	1.18	4.75	31.81	85.04	6.35	5.38	10.07
NG 1511 B2RF	5202	2262	0.45	1.15	5.05	33.78	84.38	8.21	5.63	10.34
Px445022WRF	5413	2254	0.43	1.18	4.85	34.17	85.09	6.82	5.25	10.12
DP 0912 B2RF	5434	2232	0.43	1.13	5.29	31.60	83.92	6.89	5.43	10.07
PHY 427 WRF	5441	2209	0.42	1.15	4.61	32.51	84.08	7.39	5.04	9.55
PHY 375 WRF	5142	2208	0.44	1.13	4.75	31.43	84.04	6.44	5.14	9.93
Px444414WRF	5208	2208	0.44	1.18	4.50	32.96	84.70	6.68	5.21	10.38
Px553840WRF	5335	2206	0.43	1.17	4.72	32.59	84.94	6.17	4.93	9.53
DP 1321 B2RF	5191	2198	0.44	1.15	5.06	33.37	84.40	8.56	5.71	10.11
ST 4946GLB2	5449	2189	0.42	1.18	5.06	34.74	84.98	7.24	6.21	11.39
PHY 499 WRF	5110	2172	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	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
DG 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
ST 4747GLB2	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
DG 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
Overall Mean	4925	2065	0.43	1.17	4.8	32.37	84.56	7.15	5.33	9.90
LSD(0.05)	915	329	0.01	0.03	0.15	0.91	0.76	0.35	0.48	0.47
C.V. (%)	26.78	22.88	3.69	3.62	4.45	4.05	1.29	7.12	12.87	6.96

† 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.

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Variety	Measurement									
	Seedcotton Yield	Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Elongation	Ind. Boll Weight	100 seed Weight
	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	(%)	(g)	(g)	
Px375001WRF	4054	1748	0.45	1.15	4.25	32.33	83.77	7.48	5.69	9.29
Px444414WRF	4122	1724	0.44	1.17	4.13	31.68	84.94	6.77	5.98	10.32
PHY 499 WRF	4038	1713	0.44	1.15	4.43	33.97	84.50	7.36	5.81	9.29
PHY 375 WRF	4002	1693	0.44	1.14	4.18	29.98	83.50	6.73	5.69	9.58
Px444413WRF	3933	1677	0.45	1.24	3.88	31.88	85.53	6.54	5.97	10.64
DP 0912 B2RF	4063	1659	0.43	1.11	4.59	30.63	83.74	6.73	5.67	9.65
Px312b51WRF	3997	1658	0.43	1.17	4.01	31.39	84.94	6.78	5.28	9.69
PHY 333 WRF	3900	1645	0.44	1.17	4.08	29.82	84.56	6.33	5.74	9.43
PHY 339 WRF	3988	1626	0.43	1.18	4.22	31.51	84.33	6.98	5.76	9.51
Px553840WRF	3940	1611	0.43	1.16	4.18	31.18	84.63	6.06	5.07	8.98
DP 1048 B2RF	3796	1608	0.45	1.15	4.28	29.87	83.77	7.92	5.86	9.28
DP 1321 B2RF	3827	1597	0.44	1.15	4.48	32.91	84.53	8.33	5.94	9.83
PHY 575 WRF	3997	1595	0.42	1.20	3.98	31.07	84.26	7.03	5.50	9.34
ST 6448GLB2	3864	1583	0.43	1.20	4.17	28.31	83.58	5.78	5.25	9.22
NG 1511 B2RF	3719	1576	0.45	1.15	4.46	32.63	83.98	7.93	5.54	9.95
Px554010WRF	3691	1564	0.44	1.15	3.89	30.53	84.23	6.87	5.05	8.26
DP 1137 B2RF	3687	1549	0.44	1.16	4.33	30.33	83.91	7.53	6.08	9.47
ST 5288B2F	3757	1541	0.43	1.14	4.35	30.12	83.44	6.65	5.29	9.00
Croplan 3787 B2RF	3583	1530	0.45	1.15	4.33	30.41	83.93	7.93	6.43	8.98
DP 1028 B2RF	3492	1523	0.46	1.12	4.45	30.69	84.02	7.76	5.83	8.86
Px445022WRF	3754	1508	0.42	1.18	4.26	32.32	84.48	6.73	5.25	9.62
ST 4747GLB2	3684	1501	0.43	1.20	4.15	27.73	83.59	5.78	5.64	9.61
DP 1133 B2RF	3443	1489	0.46	1.14	4.36	33.15	84.32	6.88	5.42	8.88
NG 5315 B2RF	3445	1481	0.45	1.15	4.32	30.82	84.12	8.03	5.61	8.92
Px300310WRF	3661	1478	0.42	1.12	4.13	31.34	83.10	7.22	5.23	8.68
MON 12R242B2R2	3522	1476	0.44	1.14	4.37	30.60	84.14	8.61	5.50	8.65
Croplan 3428 B2RF	3481	1457	0.44	1.18	4.51	30.03	84.23	7.19	5.46	9.08
FM 1944GLB2	3693	1429	0.41	1.21	4.28	30.64	84.26	5.29	6.08	10.64
AM 1550 B2RF	3474	1418	0.43	1.12	4.22	28.98	83.58	7.12	5.98	9.55
MON 12R224B2R2	3609	1416	0.41	1.17	3.86	30.23	83.98	6.56	5.43	9.75
SSG UA 222	3494	1407	0.42	1.22	4.03	32.61	84.37	7.88	5.80	10.25
DP 1034 B2RF	3314	1400	0.45	1.16	4.22	30.51	83.78	7.69	6.02	9.05
DG 2610 B2RF	3272	1384	0.44	1.16	4.29	31.05	84.41	7.82	5.71	9.18
DP 1311 B2RF	3289	1378	0.44	1.15	4.26	30.02	83.75	7.41	5.27	8.52
PHY 599 WRF	3292	1377	0.44	1.18	3.93	30.80	84.17	6.38	4.91	8.42
HQ 110 CT	3431	1374	0.42	1.14	4.32	31.43	83.54	6.37	5.29	9.45
ST 4946GLB2	3504	1369	0.41	1.18	4.14	33.04	84.81	7.18	6.27	10.80
DG 2285 B2RF	3427	1361	0.42	1.19	4.05	31.03	84.67	7.63	6.24	9.76
PHY 427 WRF	3375	1343	0.42	1.15	4.04	32.18	83.93	7.18	5.44	9.20
PHY 417 WRF	3230	1338	0.44	1.15	3.69	31.49	83.98	7.24	5.26	8.30
Px300304WRF	3400	1337	0.41	1.15	4.04	31.72	83.73	5.74	5.60	9.32
DP 1044 B2RF	3354	1315	0.41	1.14	3.98	32.00	83.74	7.52	5.26	9.00
Overall Mean	3657	1511	0.43	1.16	4.19	31.07	84.11	7.06	5.62	9.36
LSD(0.05)	675	277	0.01	0.02	0.27	1.32	0.76	0.49	1.22	0.61
C.V. (%)	26.6	26.37	4.46	2.39	8.05	5.28	1.12	8.74	28.35	8.49

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

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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	3039	0.42	1.22	4.88	32.70	85.95	6.75	6.05	10.95
Px300310WRF	7520	2949	0.41	1.16	5.00	33.03	84.38	6.93	6.63	8.93
Px375001WRF	6973	2943	0.44	1.19	4.90	34.53	84.50	7.30	5.85	10.35
PHY 333 WRF	7278	2925	0.42	1.21	4.68	31.80	85.55	6.25	5.55	9.98
DP 0912 B2RF	7539	2915	0.41	1.17	5.28	32.95	84.85	6.75	6.20	9.98
NG 1511 B2RF	6938	2879	0.44	1.19	4.98	35.55	85.23	8.08	6.23	10.35
ST 5288B2F	7298	2866	0.41	1.21	4.68	32.20	84.88	6.85	5.70	9.23
ST 4946GLB2	7446	2815	0.40	1.23	5.08	35.50	85.85	6.78	7.40	11.48
Px444414WRF	7037	2807	0.42	1.23	4.40	34.35	85.88	6.35	5.85	10.18
DP 1133 B2RF	6726	2787	0.44	1.20	4.85	36.65	85.58	7.60	5.68	9.25
PHY 427 WRF	7101	2713	0.40	1.18	4.65	32.95	84.38	7.25	5.53	9.45
PHY 339 WRF	6913	2712	0.41	1.22	4.55	34.40	85.85	6.28	5.80	10.28
PHY 375 WRF	6495	2708	0.44	1.15	4.78	31.58	84.53	6.05	5.73	9.85
DG 2610 B2RF	6544	2693	0.43	1.20	4.68	33.93	85.43	7.75	5.90	9.55
ST 4747GLB2	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	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
DG 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
Overall Mean	6539	2597	0.42	1.21	4.73	33.37	85.33	7.05	5.88	9.79
LSD(0.05)	987	340	0.01	0.04	0.27	1.41	1.10	0.67	0.72	0.83
C.V. (%)	10.78	10.94	2.29	2.29	4.13	3.02	0.92	6.81	8.77	6.09

† 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

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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	2353	0.46	1.13	4.88	31.58	84.08	6.68	5.50	9.70
NG 1511 B2RF	4834	2207	0.46	1.09	5.15	32.80	83.65	8.50	5.75	10.05
DP 1048 B2RF	4883	2204	0.45	1.16	4.80	30.40	83.63	8.28	5.18	9.45
DP 1321 B2RF	4967	2200	0.44	1.11	5.23	32.83	83.15	8.73	5.38	9.35
Px445022WRF	4721	2146	0.45	1.12	5.00	33.08	83.40	6.95	4.78	9.85
Px300310WRF	4809	2127	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
DG 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	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
DG 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	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
ST 4747GLB2	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
Overall Mean	4350	1928	0.44	1.13	4.90	31.41	83.51	7.35	5.24	9.56
LSD(0.05)	505	231	0.18	0.04	0.22	1.38	0.99	0.59	0.54	0.74
C.V. (%)	8.30	8.51	2.88	2.29	3.20	3.15	0.85	5.78	7.34	5.52

† 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

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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)
PHY 375 WRF	3829	1723	0.45	1.12	4.03	28.78	83.03	6.63	4.30	9.05
DP 1048 B2RF	3375	1676	0.45	1.13	3.95	28.68	82.80	7.63	5.10	8.80
Px375001WRF	3696	1665	0.45	1.15	3.85	30.23	83.10	7.20	4.20	8.65
Px444413WRF	3587	1606	0.45	1.23	3.70	30.50	84.63	6.35	4.70	10.50
ST 5288B2F	3641	1587	0.44	1.13	4.10	28.55	82.85	6.48	4.35	8.85
Px444414WRF	3632	1587	0.44	1.15	3.85	28.93	84.40	6.85	4.30	9.45
PHY 575 WRF	3412	1580	0.43	1.19	3.85	30.25	83.93	7.20	4.25	8.60
Px553840WRF	3703	1574	0.43	1.14	4.18	29.70	84.00	5.88	4.30	10.25
PHY 499 WRF	3631	1566	0.43	1.14	4.20	32.03	84.13	6.90	4.35	8.55
PHY 339 WRF	3580	1552	0.43	1.16	3.95	29.58	83.73	7.35	4.15	8.95
Px312b51WRF	3428	1500	0.44	1.17	3.60	29.78	84.78	6.83	4.10	9.70
Px300310WRF	3465	1475	0.43	1.11	3.93	29.63	82.83	6.90	4.45	8.15
PHY 333 WRF	3398	1472	0.43	1.16	3.68	27.90	84.13	6.40	4.00	8.80
Px554010WRF	3262	1461	0.45	1.12	3.73	28.53	83.40	7.15	3.85	8.45
PHY 599 WRF	3215	1441	0.45	1.14	3.95	28.85	82.93	7.05	4.25	7.90
PHY 427 WRF	2975	1437	0.43	1.14	3.85	30.93	82.90	6.95	4.35	8.40
ST 6448GLB2	3203	1437	0.45	1.16	3.90	25.98	82.43	5.85	4.10	8.15
NG 1511 B2RF	3178	1434	0.45	1.14	4.05	31.23	83.38	7.88	4.20	9.20
Croplan 3428 B2RF	3146	1427	0.45	1.16	4.48	28.73	83.63	7.55	4.55	9.15
DP 0912 B2RF	3216	1375	0.43	1.08	4.38	28.70	83.53	6.20	3.90	9.25
DP 1028 B2RF	2925	1374	0.47	1.10	4.20	29.18	83.33	7.75	4.60	8.00
FM 1944GLB2	3394	1353	0.40	1.18	4.00	28.78	83.28	5.23	4.60	10.55
DP 1311 B2RF	3026	1351	0.45	1.13	3.95	27.63	82.65	7.40	3.90	8.50
AM 1550 B2RF	3158	1345	0.43	1.10	3.88	27.75	82.53	7.28	4.30	9.45
NG 5315 B2RF	2891	1321	0.46	1.11	4.18	29.20	83.15	7.83	4.60	7.60
Px300304WRF	3188	1285	0.40	1.14	3.75	29.30	83.35	5.65	4.50	8.90
HQ 110 CT	3008	1281	0.43	1.11	4.08	28.95	82.55	6.25	3.90	8.90
DG 2610 B2RF	2851	1272	0.45	1.15	4.20	30.23	84.15	7.63	4.75	9.25
MON 12R224B2R2	3060	1263	0.41	1.16	3.40	28.63	83.15	6.45	3.90	8.95
DP 1133 B2RF	2743	1256	0.46	1.14	4.20	31.50	83.90	6.35	4.45	8.75
DP 1137 B2RF	2796	1236	0.44	1.16	4.08	29.43	83.50	6.85	4.60	9.70
DP 1321 B2RF	2799	1235	0.44	1.14	4.03	31.63	83.83	7.63	4.05	9.05
MON 12R242B2R2	2822	1214	0.43	1.12	3.98	28.80	83.28	8.60	4.30	8.20
Croplan 3787 B2RF	2619	1211	0.46	1.12	4.05	29.25	82.50	7.75	4.45	8.55
Px445022WRF	2981	1197	0.40	1.17	3.78	29.65	83.73	6.85	3.80	8.95
DP 1044 B2RF	2895	1177	0.41	1.14	3.73	31.43	83.43	7.30	4.30	8.50
ST 4747GLB2	2757	1143	0.41	1.20	3.60	26.53	83.28	5.83	4.20	8.85
SSG UA 222	2774	1142	0.41	1.21	3.53	30.78	83.13	7.63	3.85	9.50
ST 4946GLB2	2843	1140	0.40	1.17	3.80	31.30	84.43	6.93	5.00	10.45
PHY 417 WRF	2554	1122	0.44	1.13	3.48	28.93	83.25	7.13	3.95	7.65
DP 1034 B2RF	2403	1066	0.44	1.16	4.03	29.63	83.23	7.08	4.65	9.15
DG 2285 B2RF	2549	958	0.38	1.17	3.53	29.95	83.50	7.30	4.10	8.75
Overall Mean	3133	1366	0.43	1.14	3.91	29.42	83.42	6.94	4.3	8.93
LSD(0.05)	599	244	0.16	0.03	0.35	1.29	1.77	0.8	0.62	1.16
C.V. (%)	13.67	12.62	2.71	1.94	6.39	3.14	1.01	8.23	7.11	6.47

† 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

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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	2472	0.42	1.20	4.03	31.55	85.08	6.70	4.33	10.65
Px375001WRF	5162	2431	0.45	1.18	4.33	32.90	84.30	7.43	5.53	10.33
DP 1321 B2RF	5015	2429	0.42	1.16	4.50	33.13	85.10	8.28	5.48	10.63
Px444414WRF	5316	2375	0.42	1.20	3.98	31.65	85.10	6.45	5.35	11.10
PHY 333 WRF	5153	2345	0.43	1.20	4.23	30.15	84.78	6.30	5.13	10.58
DP 0912 B2RF	5405	2336	0.41	1.14	4.50	30.88	84.20	6.90	5.03	10.18
PHY 499 WRF	5173	2335	0.43	1.18	4.45	35.08	85.58	6.98	5.05	10.00
ST 4747GLB2	5256	2307	0.42	1.19	4.25	27.55	83.28	5.73	5.38	10.55
PHY 339 WRF	5283	2298	0.41	1.20	4.08	31.75	84.63	6.85	5.23	10.20
PHY 375 WRF	5049	2292	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
DG 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	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	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
DG 2610 B2RF	3153	857	0.42	1.16	4.15	31.13	85.00	7.58	5.28	9.48
Overall Mean	4709	2081	0.42	1.18	4.18	31.37	84.48	6.88	5.06	10.13
LSD(0.05)	636	242	0.14	0.03	0.27	1.25	1.05	0.71	0.91	0.71
C.V. (%)	9.65	8.13	2..47	1.96	4.63	2.84	0.89	7.33	12.95	4.96

† 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 Marietta Fine sandy loam on the Main Campus MSU near Starkville, MS during 2013

Trial Facilitator: Dr. Ted Wallace

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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)
DP 1321 B2RF	4144	1491	0.44	1.18	4.13	32.37	85.17	8.70	5.67	9.40
DP 1137 B2RF	4051	1488	0.44	1.16	4.37	31.30	84.57	7.60	5.94	9.77
Croplan 3428 B2RF	4025	1468	0.44	1.20	4.13	32.50	85.10	7.33	5.26	8.70
Croplan 3787 B2RF	3967	1463	0.45	1.15	4.23	32.20	83.13	7.87	5.42	8.90
DP 1048 B2RF	3942	1453	0.45	1.19	4.23	31.57	84.07	7.47	5.45	9.37
DP 1133 B2RF	3847	1439	0.45	1.17	4.40	34.43	85.43	7.67	5.17	9.10
DP 0912 B2RF	4050	1437	0.43	1.17	4.27	32.23	84.70	6.60	5.89	9.30
NG 5315 B2RF	3676	1431	0.45	1.17	4.07	31.00	84.43	8.30	5.55	9.40
PHY 339 WRF	4113	1430	0.42	1.21	3.87	32.40	83.83	7.10	5.38	9.43
Px444413WRF	3878	1406	0.44	1.27	3.47	32.87	86.07	6.43	5.77	10.23
Px444414WRF	3993	1397	0.42	1.19	3.70	33.30	84.90	6.93	5.84	10.17
PHY 333 WRF	3843	1391	0.44	1.20	3.87	31.67	84.63	6.40	5.62	9.33
DG 2610 B2RF	3755	1388	0.45	1.20	4.17	30.90	83.53	7.87	5.46	9.33
PHY 575 WRF	4051	1360	0.41	1.19	3.60	31.93	84.27	7.07	5.09	9.03
PHY 499 WRF	3710	1359	0.44	1.18	4.37	35.60	85.57	7.60	5.85	9.60
NG 1511 B2RF	3739	1359	0.44	1.18	3.93	32.67	85.10	7.47	5.38	9.50
DP 1028 B2RF	3584	1338	0.45	1.17	4.30	31.97	84.63	7.43	5.64	8.90
DP 1034 B2RF	3484	1302	0.45	1.15	3.90	32.50	84.30	7.60	5.17	8.73
ST 4747GLB2	3634	1292	0.43	1.22	3.53	28.90	83.87	5.80	5.08	9.17
Px375001WRF	4125	1288	0.44	1.20	3.80	32.97	84.80	7.53	5.58	8.97
Px445022WRF	3747	1281	0.41	1.20	3.83	33.63	84.20	6.97	5.29	9.27
Px554010WRF	3594	1276	0.43	1.20	3.70	31.70	84.00	6.95	4.80	8.80
MON 12R224B2R2	3756	1274	0.41	1.18	3.67	31.73	84.23	6.73	5.09	9.40
ST 6448GLB2	3612	1274	0.43	1.23	3.77	30.57	84.27	5.50	5.14	9.20
PHY 375 WRF	3631	1268	0.42	1.16	3.53	30.80	83.93	6.90	5.34	9.43
Px553840WRF	3644	1264	0.42	1.21	4.03	32.97	85.60	6.13	5.15	9.10
MON 12R242B2R2	3390	1252	0.45	1.15	4.10	31.23	84.07	8.50	5.28	8.43
AM 1550 B2RF	3568	1233	0.42	1.15	3.77	29.33	82.70	7.47	5.49	9.47
Px312b51WRF	3553	1211	0.41	1.20	3.50	31.77	84.93	6.50	5.21	9.07
FM 1944GLB2	3548	1209	0.41	1.22	3.77	31.63	83.57	5.23	5.79	9.70
PHY 417 WRF	3375	1208	0.43	1.17	3.50	32.43	84.10	7.37	4.94	8.07
DG 2285 B2RF	3418	1198	0.42	1.17	3.67	30.57	84.80	7.47	5.39	9.50
DP 1311 B2RF	3357	1189	0.43	1.14	4.20	31.47	83.93	7.63	5.01	8.27
PHY 427 WRF	3489	1189	0.41	1.17	3.80	32.23	83.63	6.63	4.95	9.00
PHY 599 WRF	3227	1140	0.43	1.23	4.20	32.17	85.50	6.67	5.38	8.87
HQ 110 CT	3385	1138	0.41	1.18	3.80	34.03	84.33	6.13	4.88	9.00
ST 5288B2F	3206	1133	0.43	1.15	3.93	29.83	83.13	6.97	5.19	9.27
Px300310WRF	3318	1129	0.41	1.18	3.87	32.13	84.73	7.30	5.62	8.97
Px300304WRF	3183	1050	0.40	1.21	3.53	32.50	84.30	5.73	5.11	8.90
SSG UA 222	2976	1024	0.42	1.27	3.60	33.67	84.13	7.77	5.30	9.37
ST 4946GLB2	3026	1021	0.41	1.18	3.43	33.37	84.27	6.87	5.61	9.93
DP 1044 B2RF	2824	924	0.39	1.18	3.63	33.33	83.77	7.53	4.74	8.77
Overall Mean	3629	1281	0.43	1.19	3.88	32.11	84.39	7.1	5.35	9.2
LSD(0.05)	658	222	0.01	0.03	0.35	1.73	1.31	0.85	0.69	0.98
C.V. (%)	12.94	12.26	2.02	1.76	5.51	3.3	0.95	7.35	7.87	6.53

† 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

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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	2649	0.44	1.16	4.65	31.83	84.30	6.20	5.08	9.83
Px300310WRF	6137	2604	0.42	1.13	4.85	32.08	83.48	7.08	5.20	9.08
Px375001WRF	5674	2602	0.46	1.14	4.80	32.83	83.60	7.90	5.80	10.20
Px445022WRF	6011	2569	0.43	1.17	4.70	33.03	84.95	6.60	5.45	9.90
PHY 375 WRF	5707	2548	0.45	1.13	4.65	31.18	83.98	6.53	5.33	10.28
Px312b51WRF	6296	2531	0.44	1.17	4.70	31.63	85.00	7.03	5.30	10.30
PHY 427 WRF	6034	2525	0.42	1.14	4.53	32.48	83.63	7.18	5.18	9.48
PHY 417 WRF	5655	2524	0.45	1.13	4.40	32.28	84.50	7.73	5.53	9.28
PHY 333 WRF	5665	2524	0.45	1.18	4.70	31.38	84.65	5.75	5.60	9.83
Px300304WRF	6085	2436	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
ST 4747GLB2	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
DG 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
DG 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
Overall Mean	5021	2170	0.44	1.16	4.82	31.84	84.24	7.02	5.46	9.92
LSD(0.05)	647	236	0.02	0.04	0.18	1.41	1.01	0.65	0.61	0.83
C.V. (%)	9.2	7.6	3.22	2.18	2.64	3.16	0.85	6.62	8.02	5.97

† 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

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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	1904	0.44	1.17	4.70	32.48	84.65	8.33	5.40	10.50
DP 0912 B2RF	4500	1901	0.42	1.15	5.23	32.20	84.78	6.75	5.15	10.93
NG 1511 B2RF	4095	1825	0.45	1.17	4.98	33.73	84.70	8.38	5.10	10.80
PHY 333 WRF	4092	1812	0.44	1.20	4.70	33.00	86.13	6.53	4.33	10.65
Px312b51WRF	4033	1801	0.45	1.19	4.73	32.58	85.83	7.00	4.55	11.08
Px375001WRF	3934	1800	0.46	1.20	4.95	33.40	85.30	8.30	5.40	10.43
AM 1550 B2RF	4009	1736	0.43	1.14	4.83	30.28	84.53	6.65	4.40	10.90
DP 1311 B2RF	3866	1734	0.45	1.16	4.58	31.10	83.98	7.45	4.25	8.98
Px553840WRF	3996	1723	0.43	1.21	4.68	32.55	85.95	6.20	4.25	9.53
Px300310WRF	3880	1716	0.44	1.16	4.75	33.80	84.93	7.35	4.23	9.23
Px445022WRF	3884	1704	0.44	1.19	4.85	34.58	85.70	6.80	4.85	10.43
MON 12R224B2R2	3904	1673	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	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	3660	1612	0.44	1.18	4.73	33.98	84.45	6.35	4.15	9.05
DG 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
ST 4747GLB2	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
DG 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
Overall Mean	3516	1526	0.43	1.19	4.68	32.85	85.17	7.19	4.75	10.34
LSD(0.05)	591	255	0.01	0.03	0.26	1.28	1.08	0.65	0.9	0.78
C.V. (%)	12.01	11.88	1.8	1.84	3.89	2.78	0.91	6.48	13.57	5.39

† 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

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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)
PHY 499 WRF	3356	1593	0.47	1.13	4.63	34.80	83.80	8.20	7.28	8.73
Px444414WRF	3257	1539	0.47	1.17	4.55	34.48	85.33	7.00	7.55	10.08
Px553840WRF	3331	1526	0.46	1.15	4.33	32.65	85.25	6.43	6.45	8.10
PHY 375 WRF	3228	1488	0.46	1.13	4.43	30.95	83.00	7.00	7.40	8.90
DP 0912 B2RF	3287	1487	0.45	1.12	4.90	32.30	83.50	7.10	7.03	9.60
Croplan 3787 B2RF	3144	1472	0.47	1.15	4.65	31.50	84.75	8.25	9.00	8.68
Px444413WRF	3090	1470	0.48	1.24	4.18	33.68	86.15	6.80	7.10	10.00
DG 2610 B2RF	3159	1467	0.46	1.16	4.53	31.80	84.08	8.25	6.80	8.73
PHY 575 WRF	3070	1460	0.45	1.21	4.45	29.95	84.63	5.90	7.05	9.28
ST 6448GLB2	3247	1458	0.45	1.15	4.40	32.85	84.98	6.80	6.40	8.90
Px312b51WRF	3090	1450	0.47	1.14	4.75	31.05	84.13	8.70	6.88	9.20
DP 1137 B2RF	3055	1435	0.47	1.19	4.53	35.05	84.73	6.73	7.38	8.80
Px445022WRF	3168	1430	0.45	1.16	4.63	31.68	84.08	8.83	6.48	9.13
NG 5315 B2RF	2961	1430	0.48	1.13	4.78	31.70	84.58	9.28	6.18	8.55
MON 12R242B2R2	3030	1427	0.47	1.16	4.93	33.98	84.65	9.08	6.93	8.33
DP 1321 B2RF	3080	1421	0.46	1.16	4.55	31.60	84.18	8.20	7.55	9.75
DP 1034 B2RF	3011	1411	0.47	1.14	4.65	30.63	84.15	8.53	7.63	8.70
DP 1048 B2RF	3011	1400	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
ST 4747GLB2	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
DG 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	2188	991	0.45	1.15	3.78	33.50	84.30	7.30	6.90	8.18
PHY 427 WRF	2203	958	0.43	1.14	4.15	32.73	84.53	7.50	6.85	8.80
Overall Mean	2900	1329	0.46	1.16	4.47	32.41	84.44	7.37	7.03	8.95
LSD(0.05)	399	193	0.01	0.03	0.27	1.28	0.95	0.7	1.41	0.66
C.V. (%)	9.82	10.32	1.59	1.78	4.24	2.81	0.81	6.77	14.34	5.30

† 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	2657	0.45	1.16	5.13	33.00	83.95	6.75	4.48	10.25
PHY 375 WRF	6174	2613	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
Overall Mean	4837	2039	0.44	1.13	5.15	31.67	83.63	6.76	4.32	9.76
LSD(0.05)	827	296	0.12	0.03	0.26	1.69	1.07	0.57	0.47	0.65
C.V. (%)	11.88	9.95	1.9	2.08	3.51	3.71	0.89	5.85	7.51	4.6

† 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 and fiber characteristics for Commercially available Varieties in 2014 submitted for testing during 2013 across all testing locations

[BACK TO TOC](#)

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)
PHY 333 WRF	4677	1984	0.44	1.18	4.46	30.95	84.84	6.34	5.54	9.78
PHY 375 WRF	4572	1951	0.44	1.13	4.51	30.81	83.81	6.56	5.38	9.77
DP 0912 B2RF	4749	1945	0.43	1.12	4.99	31.18	83.84	6.83	5.54	9.88
PHY 499 WRF	4574	1943	0.44	1.16	4.70	34.50	84.78	7.48	5.57	9.48
NG 1511 B2RF	4461	1919	0.45	1.15	4.80	33.29	84.20	8.09	5.59	10.17
DP 1321 B2RF	4509	1897	0.44	1.15	4.81	33.17	84.45	8.46	5.81	9.98
PHY 339 WRF	4569	1885	0.43	1.19	4.46	32.47	84.79	6.82	5.51	9.76
DP 1048 B2RF	4249	1810	0.44	1.17	4.52	30.85	84.19	7.98	5.44	9.53
ST 5288B2F	4388	1788	0.42	1.15	4.69	30.41	83.71	6.77	5.41	9.28
ST 4946GLB2	4476	1779	0.41	1.18	4.66	34.01	84.90	7.22	6.24	11.12
PHY 575 WRF	4456	1776	0.42	1.21	4.25	31.48	84.60	7.16	5.33	9.77
PHY 427 WRF	4408	1776	0.42	1.15	4.37	32.36	84.02	7.30	5.22	9.39
Croplan 3787 B2RF	4112	1768	0.45	1.15	4.62	31.18	84.11	7.88	5.85	9.22
ST 6448GLB2	4311	1758	0.43	1.21	4.47	29.55	84.11	5.60	5.13	9.54
ST 4747GLB2	4311	1754	0.42	1.21	4.50	28.67	84.04	5.50	5.58	10.17
PHY 417 WRF	4135	1737	0.44	1.14	4.14	32.29	84.06	7.55	5.13	8.76
DP 1137 B2RF	4083	1729	0.44	1.15	4.58	31.13	84.29	7.58	5.76	9.48
DP 1028 B2RF	3917	1720	0.46	1.14	4.73	31.61	84.28	7.75	5.57	9.21
DP 1311 B2RF	4035	1714	0.44	1.15	4.55	30.52	84.00	7.58	5.05	8.90
DP 1133 B2RF	3956	1714	0.45	1.16	4.68	34.46	84.67	7.14	5.31	9.24
FM 1944GLB2	4325	1698	0.41	1.22	4.65	31.35	84.86	5.17	5.76	10.86
DG 2285 B2RF	4144	1692	0.42	1.17	4.47	31.67	84.51	7.58	5.83	10.10
AM 1550 B2RF	4095	1690	0.43	1.12	4.63	29.46	83.84	7.01	5.65	9.98
DG 2610 B2RF	3887	1659	0.44	1.16	4.52	31.76	84.50	7.86	5.55	9.39
DP 1034 B2RF	3859	1646	0.44	1.17	4.52	31.35	84.15	7.85	5.79	9.32
NG 5315 B2RF	3795	1633	0.45	1.15	4.58	31.62	84.54	8.17	5.40	9.34
SSG UA 222	4017	1622	0.42	1.21	4.50	33.21	84.71	7.85	5.83	10.92
DP 1044 B2RF	3964	1595	0.42	1.14	4.44	32.23	83.76	7.72	5.16	9.35
HQ 110 CT	3982	1593	0.42	1.15	4.62	32.50	83.78	6.53	5.35	9.75
Croplan 3428 B2RF	3722	1567	0.44	1.20	4.68	31.15	84.40	7.30	5.24	9.25
PHY 599 WRF	3859	1562	0.44	1.20	4.23	31.74	84.59	6.55	4.83	8.68
Overall Mean	4837	2039	0.44	1.13	5.15	31.67	83.63	6.76	4.32	9.76
LSD(0.05)	827	296	0.12	0.03	0.26	1.69	1.07	0.57	0.47	0.65
C.V. (%)	11.88	9.95	1.9	2.08	3.51	3.71	0.89	5.85	7.51	4.6

* 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)

CCC loan premiums, discounts and loan value per acre calculated on one year mean yield and quality performance of varieties cultivated at 4 locations in the Delta Region during 2013.

[BACK TO TOC](#)

Variety	Lint Yield† (lb/acre)	Measurement				Loan Price* (cents/lb)	Lint Value (\$/acre)	Net Return* (\$/acre)
		Grade & Length‡	Strength	Mike	Uniformity			
Px312b51WRF	2494	145	30	0	25	54.00	1,347	1,290
Px375001WRF	2363	140	30	0	20	53.90	1,274	1,223
Px300310WRF	2349	140	30	0	10	53.80	1,264	1,206
PHY 333 WRF	2322	145	30	0	25	54.00	1,254	1,200
NG 1511 B2RF	2262	140	30	-270	20	51.20	1,158	1,109
Px445022WRF	2254	145	30	0	25	54.00	1,217	1,162
DP 0912 B2RF	2232	135	30	-385	10	49.90	1,114	1,056
PHY 427 WRF	2209	140	30	0	20	53.90	1,191	1,132
PHY 375 WRF	2208	135	30	0	20	53.85	1,189	1,139
Px444414WRF	2208	145	30	0	20	53.95	1,191	1,139
Px553840WRF	2206	140	30	0	20	53.90	1,189	1,134
DP 1321 B2RF	2198	140	30	-270	20	51.20	1,125	1,072
ST 4946GLB2	2189	145	30	-270	25	51.30	1,123	1,063
PHY 499 WRF	2172	140	30	0	25	53.95	1,172	1,121
PHY 339 WRF	2144	145	30	0	25	54.00	1,158	1,105
PHY 417 WRF	2135	140	30	0	20	53.90	1,151	1,102
Px300304WRF	2116	140	30	0	20	53.90	1,141	1,081
Px444413WRF	2112	145	30	0	25	54.00	1,140	1,094
Px554010WRF	2069	140	30	0	20	53.90	1,115	1,069
DP 1311 B2RF	2050	140	15	0	20	53.75	1,102	1,055
ST 5288B2F	2036	140	15	0	10	53.65	1,092	1,038
DP 1133 B2RF	2029	140	30	0	20	53.90	1,094	1,051
PHY 575 WRF	2027	145	30	0	20	53.95	1,094	1,037
DG 2285 B2RF	2023	140	30	0	20	53.90	1,090	1,039
MON 12R242B2R2	2019	140	30	-270	20	51.20	1,034	989
DP 1048 B2RF	2012	145	30	0	20	53.95	1,085	1,040
MON 12R224B2R2	2009	145	30	0	20	53.95	1,084	1,031
ST 4747GLB2	2007	145	10	0	20	53.75	1,079	1,026
Croplan 3787 B2RF	2006	140	30	0	20	53.90	1,081	1,036
FM 1944GLB2	1968	145	30	0	25	54.00	1,063	1,006
AM 1550 B2RF	1961	135	10	0	20	53.65	1,052	1,003
DG 2610 B2RF	1935	140	30	0	20	53.90	1,043	1,000
ST 6448GLB2	1933	145	15	0	20	53.80	1,040	987
DP 1028 B2RF	1917	140	30	0	20	53.90	1,033	993
DP 1137 B2RF	1910	140	30	0	20	53.90	1,029	985
DP 1034 B2RF	1893	140	30	0	20	53.90	1,020	977
DP 1044 B2RF	1875	140	30	0	10	53.80	1,009	960
SSG UA 222	1836	145	30	0	25	54.00	991	941
HQ 110 CT	1812	140	30	0	20	53.90	977	927
NG 5315 B2RF	1786	140	30	0	20	53.90	963	924
PHY 599 WRF	1759	145	30	0	20	53.95	949	906
Croplan 3428 B2RF	1677	145	30	0	20	53.95	905	865

† 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)

‡ Length premiums and discounts calculated from 41-4 color and leaf base.

* Calculations based on 2012 Crop American Upland Cotton Loan Schedule, web available <http://www.fsa.usda.gov/FSA/webapp?area=home&subject=prsu&topic=lor>.

* Net return per acre at loan above harvest and ginning costs after seed credit. Seed credit calculated at USDA-RMA lint to seed conversion factor of 1.412, with seed at \$240/ton. Harvest charge calculated at \$3.20/cwt of seed cotton, ginning at \$0.12/lb of lint.

CCC loan premiums, discounts and loan value per acre calculated on one year mean yield and quality performance of varieties cultivated at 4 locations in the Hill Region during 2013.

Variety	Lint Yield† (lb/acre)	Measurement				Loan Price* (cents/lb)	Lint Value (\$/acre)	Net Return* (\$/acre)
		Grade & Length‡	Strength	Mike	Uniformity			
(premium or discount in points/lb)								
Px375001WRF	1748	140	30	0	10	53.80	940	903
Px444414WRF	1724	140	30	15	20	54.05	932	891
PHY 499 WRF	1713	140	30	0	20	53.90	923	884
PHY 375 WRF	1693	140	15	15	10	53.80	911	872
Px444413WRF	1677	145	30	15	25	54.15	908	871
DP 0912 B2RF	1659	135	15	0	10	53.60	889	847
Px312b51WRF	1658	140	30	15	20	54.05	896	856
PHY 333 WRF	1645	140	10	15	20	53.85	886	849
PHY 339 WRF	1626	145	30	15	20	54.10	880	840
Px553840WRF	1611	140	30	15	20	54.05	871	831
DP 1048 B2RF	1608	140	10	0	10	53.60	862	826
DP 1321 B2RF	1597	140	30	0	20	53.90	861	824
PHY 575 WRF	1595	145	30	15	20	54.10	863	821
ST 6449GLB2	1583	145	0	15	10	53.70	850	810
NG 1511 B2RF	1576	140	30	0	20	53.90	849	814
Px554010WRF	1564	140	15	15	20	53.90	843	807
DP 1137 B2RF	1549	140	15	0	10	53.65	831	795
ST 5288B2F	1541	140	15	0	10	53.65	827	788
Croplan 3787 B2RF	1530	140	15	0	10	53.65	821	787
DP 1028 B2RF	1523	135	15	0	20	53.70	818	787
Px445022WRF	1508	145	30	0	20	53.95	814	773
ST 4747GLB2	1501	145	0	15	10	53.70	806	768
DP 1133 B2RF	1489	140	30	0	20	53.90	803	772
NG 5315 B2RF	1481	140	15	0	20	53.75	796	764
Px300310WRF	1478	135	30	15	10	53.90	797	758
MON 12R242B2R2	1476	140	15	0	20	53.75	793	759
Croplan 3428 B2RF	1457	145	15	0	20	53.80	784	751
FM 1944GLB2	1429	145	15	0	20	53.80	769	728
AM 1550 B2RF	1418	135	10	15	10	53.70	761	725
MON 12R224B2R2	1416	140	15	15	20	53.90	763	724
SSG UA 222	1407	145	30	15	20	54.10	761	723
DP 1034 B2RF	1400	140	15	15	10	53.80	753	721
DG 2610 B2RF	1384	140	30	0	20	53.90	746	714
DP 1311 B2RF	1378	140	15	0	10	53.65	739	708
PHY 599 WRF	1377	145	15	15	20	53.95	743	710
HQ 110 CT	1374	140	30	0	10	53.80	739	702
ST 4946GLB2	1369	145	30	15	20	54.10	741	702
DG 2285 B2RF	1361	145	30	15	20	54.10	736	699
PHY 427 WRF	1343	140	30	15	10	53.95	725	689
PHY 417 WRF	1338	140	30	15	20	54.05	723	691
Px300304WRF	1337	140	30	15	10	53.95	721	684
DP 1044 B2RF	1315	140	30	15	10	53.95	709	671

† 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)

‡ Length premiums and discounts calculated from 41-4 color and leaf base.

* Calculations based on 2012 Crop American Upland Cotton Loan Schedule, web available <http://www.fsa.usda.gov/FSA/webapp?area=home&subject=prsu&topic=lor>.

† Net return per acre at loan above harvest and ginning costs after seed credit. Seed credit calculated at USDA-RMA lint to seed conversion factor of 1.412, with seed at \$240/ton.
 Harvest charge calculated at \$3.20/cwt of seed cotton, ginning at \$0.12/lb of lint.