

**2023 Mississippi Cotton Official
Small Plot Variety Trials
Preliminary Data**



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Table 1. One-year mean yield performance and fiber characteristics for OVT varieties submitted for testing in 2023 averaged across seven (7) testing locations.

Variety	Lint Yield† (lb/acre)	Lint %	Measurement				
			Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity -	Loan Value ¢/LB
PHY 411 W3FE	1764	45.35	1.11	4.8	33.4	83.3	50.15
ST 4595 B3XF	1758	44.01	1.17	4.6	32.8	83.8	52.45
Armor 9371 B3XF	1740	43.79	1.16	4.4	30.9	83.9	52.72
PX1140D328-04	1683	44.16	1.18	4.6	34.7	83.8	52.39
PHY 415 W3FE	1680	43.64	1.18	4.4	35.3	83.7	52.86
DP 2127 B3XF	1674	44.10	1.13	4.7	31.3	83.8	51.68
PX1140A385-04	1665	45.11	1.13	4.7	35.2	84.3	50.87
NG 4190 B3XF	1649	42.91	1.17	4.5	32.6	83.8	52.31
PX1130D303-04	1646	43.36	1.12	4.7	32.7	84.1	51.25
DG 4530 B3TXF	1632	43.38	1.17	4.3	31.9	84.0	52.88
PHY 332 W3FE	1631	42.71	1.20	4.4	34.6	83.8	53.17
PX1130B333-04	1627	43.26	1.14	4.6	35.7	84.8	51.71
NG 3195 B3XF	1624	42.68	1.15	4.5	32.2	83.8	52.74
ST 5091 B3XF	1624	42.78	1.15	4.4	30.1	82.5	52.58
PHY 360 W3FE	1623	43.09	1.15	4.5	31.2	82.9	50.95
DP 2211 B3TXF	1622	44.21	1.16	4.4	30.9	83.6	52.61
PHY 400 W3FE	1602	43.76	1.17	4.4	35.1	83.5	52.12
DG 3528 B3XF	1590	42.92	1.18	4.5	32.1	83.9	52.13
DP 2131 B3TXF	1585	43.56	1.20	4.3	31.0	83.4	52.79
PHY 443 W3FE	1585	43.95	1.13	4.6	34.6	83.6	51.97
DP 2115 B3XF	1575	43.41	1.16	4.6	31.8	83.9	52.40
DP 2328 B3TXF	1571	43.81	1.15	4.4	30.9	82.8	52.90
DP 2012 B3XF	1571	41.85	1.17	4.4	31.8	83.6	52.85
DP 2038 B3XF	1545	45.22	1.12	4.7	32.0	82.7	52.25
DP 2317 B3TXF	1542	41.68	1.17	4.2	31.9	83.2	53.06
DP 2239 B3XF	1531	44.27	1.21	4.6	32.4	84.0	53.42
AMX20T079 B3XF	1512	42.13	1.18	4.6	32.3	83.9	52.74
Armor 23X1424 B3TX	1512	41.94	1.17	4.5	34.4	84.0	52.20
PX1140B373-04	1505	42.68	1.15	4.5	34.9	84.5	51.96
Armor 9383 B3TXF	1486	40.86	1.17	4.3	31.5	84.0	53.02
AMX20T157 B3XF	1470	42.67	1.17	4.5	32.7	83.8	52.64
DP 2141NR B3XF	1466	41.74	1.18	4.7	35.2	84.0	52.76
ST 4990 B3XF	1465	40.60	1.18	4.5	31.7	84.6	52.47
NG 4335 B3TXF	1464	41.51	1.18	4.4	33.0	84.7	52.52
DG 4484 B3TXF	1435	44.12	1.13	4.2	33.0	83.4	52.22
PX1150D490-04	1434	43.37	1.16	4.4	32.8	82.9	52.56
NG 4343 B3TXF	1433	41.74	1.18	4.3	31.3	83.7	52.71
AMX21C005 B3TXF	1414	40.68	1.16	4.2	32.3	84.0	53.22
DP 1646 B2XF	1392	43.32	1.21	4.6	32.0	83.9	53.40
PX1150B437-04	1383	41.63	1.14	4.6	34.8	83.1	51.30
AMX160030-B B3XF	1350	42.04	1.17	4.6	34.0	83.9	53.48
AMX20T114 B3XF	1347	42.26	1.18	4.7	31.0	84.6	52.70
DG 3503 B3XF	1341	43.02	1.23	3.9	35.6	84.3	53.12
AMX160030-A B3XF	1321	44.10	1.19	4.5	32.5	84.0	53.19
Overall Mean	1547	43.03	1.16	4.5	32.8	83.8	52.44
LSD (0.05)	103	0.53	0.02	0.2	1.0	0.6	1.03
C.V (%)	12.3	2.5	3.0	6.0	5.2	1.2	3.3

*Yield in bold type are not significantly different from the highest yielding variety.

Table 2. 2023 mean yield performance of varieties cultivated at 4 locations in the Delta Region.

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	- - - -	(g/tex)	-	¢/LB
DP 2127 B3XF	1953	44.13	1.13	5.0	31.5	84.0	50.31
ST 4595 B3XF	1938	43.68	1.17	4.6	32.9	83.9	52.25
Armor 9371 B3XF	1920	43.93	1.16	4.5	30.9	83.9	52.07
PHY 411 W3FE	1888	45.00	1.11	4.8	33.3	83.5	49.69
PX1140A385-04	1887	45.39	1.13	4.6	35.9	84.0	50.29
DP 2211 B3TXF	1852	44.32	1.16	4.6	30.7	83.8	51.76
PX1140D328-04	1844	43.78	1.18	4.5	35.0	83.3	51.39
NG 3195 B3XF	1822	42.90	1.15	4.6	32.2	83.9	52.20
NG 4190 B3XF	1815	42.88	1.17	4.6	33.4	84.1	52.29
DG 3528 B3XF	1800	43.26	1.17	4.6	31.9	83.9	51.73
PHY 415 W3FE	1793	43.37	1.18	4.3	35.3	83.5	52.32
PX1130D303-04	1778	43.37	1.13	4.7	33.2	84.2	50.78
DG 4530 B3TXF	1769	43.14	1.18	4.4	32.5	84.5	52.66
ST 5091 B3XF	1766	42.85	1.16	4.4	30.7	82.8	52.22
DP 2012 B3XF	1751	42.17	1.18	4.5	32.0	83.7	52.38
PHY 332 W3FE	1739	42.24	1.21	4.3	34.7	84.1	52.72
DP 2038 B3XF	1738	45.48	1.13	4.8	32.3	83.0	51.20
DP 2115 B3XF	1736	43.30	1.16	4.8	31.3	84.0	51.47
DP 2131 B3TXF	1729	43.56	1.20	4.4	31.3	83.5	52.17
PHY 443 W3FE	1725	43.59	1.14	4.5	34.8	83.6	51.00
PX1130B333-04	1716	42.93	1.15	4.5	35.8	84.4	50.98
DP 2239 B3XF	1714	44.16	1.22	4.7	32.5	84.3	52.49
PHY 400 W3FE	1713	44.03	1.16	4.5	34.6	83.2	50.92
PHY 360 W3FE	1709	42.88	1.16	4.5	31.9	83.0	50.25
DP 2328 B3TXF	1708	44.03	1.16	4.4	31.1	83.2	52.82
DP 2317 B3TXF	1702	41.79	1.17	4.3	32.3	83.2	52.39
Armor 9383 B3TXF	1658	40.75	1.16	4.4	31.6	84.2	52.43
DP 2141NR B3XF	1652	41.78	1.19	4.7	35.6	84.1	52.31
AMX20T157 B3XF	1644	42.47	1.16	4.6	32.9	83.8	51.81
ST 4990 B3XF	1634	40.31	1.20	4.6	32.4	84.8	52.31
NG 4335 B3TXF	1623	41.90	1.17	4.4	33.4	84.4	52.60
NG 4343 B3TXF	1620	41.87	1.19	4.3	31.6	84.0	52.18
DG 4484 B3TXF	1611	44.36	1.14	4.3	33.4	83.7	51.97
Armor 23X1424 B3TX	1602	41.69	1.18	4.6	35.1	84.0	52.00
PX1140B373-04	1599	42.78	1.15	4.5	35.3	84.5	51.26
AMX20T079 B3XF	1567	41.94	1.19	4.6	32.5	84.0	52.28
AMX21C005 B3TXF	1559	41.14	1.18	4.3	32.6	84.2	52.58
PX1150D490-04	1538	42.87	1.16	4.3	32.8	82.9	51.78
PX1150B437-04	1509	41.40	1.14	4.7	35.3	83.2	50.22
DP 1646 B2XF	1488	43.03	1.22	4.5	32.6	84.1	52.34
DG 3503 B3XF	1482	43.11	1.22	4.0	35.6	84.2	52.65
AMX160030-B B3XF	1442	42.21	1.18	4.7	34.2	83.9	52.62
AMX160030-A B3XF	1434	43.69	1.20	4.6	32.6	84.0	53.01
AMX20T114 B3XF	1425	42.24	1.18	4.7	31.4	84.6	52.28
Overall Mean	1695	42.99	1.17	4.5	33.1	83.8	51.85
LSD (0.05)	151	0.69	0.02	0.2	1.5	0.8	1.45
C.V (%)	12.4	2.3	2.3	6.0	5.4	1.1	3.4

*Yield in bold type are not significantly different from the highest yielding variety.

Table 3. 2023 mean yield performance of varieties cultivated at 3 locations in the Hill region.

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	----	(g/tex)	-	¢/LB
PHY 411 W3FE	1608	45.78	1.10	4.8	33.5	83.1	50.67
PHY 415 W3FE	1526	44.02	1.17	4.5	35.2	84.0	53.52
ST 4595 B3XF	1519	44.46	1.17	4.6	32.6	83.6	52.71
PHY 332 W3FE	1496	43.35	1.19	4.5	34.4	83.5	53.71
PX1130B333-04	1473	43.68	1.14	4.7	35.5	85.2	52.52
Armor 9371 B3XF	1469	43.62	1.15	4.4	30.9	83.7	53.59
NG 4190 B3XF	1463	42.94	1.17	4.5	31.8	83.6	52.33
PX1140A385-04	1457	44.75	1.12	4.9	34.4	84.6	51.58
PX1140D328-04	1450	44.68	1.17	4.6	34.4	84.3	53.49
AMX20T079 B3XF	1439	42.38	1.18	4.6	32.1	83.7	53.30
PHY 360 W3FE	1437	43.35	1.15	4.5	30.5	82.8	51.71
ST 5091 B3XF	1435	42.68	1.13	4.2	29.5	82.1	53.00
DP 2328 B3TXF	1423	43.53	1.15	4.3	30.7	82.3	53.01
PX1130D303-04	1400	43.35	1.11	4.6	32.2	84.0	51.83
PHY 443 W3FE	1398	44.43	1.12	4.7	34.3	83.6	53.14
DP 2131 B3TXF	1394	43.58	1.20	4.1	30.6	83.2	53.61
PHY 400 W3FE	1383	43.41	1.18	4.3	35.6	83.9	53.57
PX1140B373-04	1379	42.55	1.15	4.6	34.4	84.4	52.91
NG 3195 B3XF	1362	42.38	1.14	4.3	32.4	83.8	53.45
PX1150D490-04	1353	44.05	1.15	4.5	32.6	82.9	53.50
DG 4530 B3TXF	1350	43.68	1.16	4.3	31.2	83.5	53.13
DP 2317 B3TXF	1342	41.53	1.18	4.0	31.5	83.2	53.81
Armor 23X1424 B3TX	1315	42.28	1.16	4.5	33.5	83.9	52.44
DP 2012 B3XF	1309	41.43	1.15	4.2	31.5	83.4	53.42
DG 3528 B3XF	1309	42.47	1.18	4.4	32.4	83.9	52.60
DP 2211 B3TXF	1308	44.08	1.15	4.1	31.2	83.4	53.55
DP 2038 B3XF	1305	44.88	1.11	4.4	31.6	82.4	53.50
DP 2127 B3XF	1299	44.06	1.13	4.4	31.0	83.6	53.50
DP 2239 B3XF	1288	44.42	1.19	4.4	32.4	83.6	54.53
DP 1646 B2XF	1281	43.70	1.19	4.7	31.3	83.6	54.68
Armor 9383 B3TXF	1272	40.99	1.18	4.2	31.4	83.8	53.67
ST 4990 B3XF	1269	40.98	1.16	4.3	30.9	84.3	52.66
PX1150B437-04	1257	41.92	1.13	4.6	34.3	83.0	52.49
NG 4335 B3TXF	1251	40.99	1.19	4.4	32.6	84.9	52.43
AMX20T157 B3XF	1248	42.93	1.18	4.4	32.4	83.8	53.56
AMX20T114 B3XF	1244	42.29	1.18	4.6	30.4	84.6	53.26
AMX21C005 B3TXF	1238	40.07	1.14	4.2	32.0	83.9	54.00
AMX160030-B B3XF	1237	41.83	1.17	4.6	33.7	83.8	54.53
DP 2141NR B3XF	1216	41.69	1.16	4.7	34.7	83.8	53.31
DP 2115 B3XF	1211	43.56	1.15	4.4	32.3	83.8	53.43
DG 4484 B3TXF	1200	43.81	1.13	4.1	32.5	83.0	52.53
NG 4343 B3TXF	1185	41.57	1.18	4.2	31.1	83.5	53.35
AMX160030-A B3XF	1182	44.66	1.18	4.3	32.3	84.0	53.40
DG 3503 B3XF	1136	42.90	1.23	3.8	35.5	84.3	53.76
Overall Mean	1343	43.08	1.16	4.4	32.5	83.7	53.15
LSD (0.05)	145	0.79	0.04	0.2	1.4	0.9	1.46
C.V (%)	13.2	2.3	3.7	5.9	4.9	1.2	3.1

*Yield in bold type are not significantly different from the highest yielding variety.

Table 4. Mean yield performance and fiber characteristics for cotton varieties in Senatobia, MS during 2023.

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	-----	(g/tex)	-	¢/LB
NG 4190 B3XF	1911	42.83	1.20	4.3	33.7	84.1	50.11
DP 2328 B3TXF	1909	43.75	1.19	4.2	32.4	82.8	51.48
ST 4595 B3XF	1889	44.55	1.21	4.2	34.9	84.3	50.74
ST 5091 B3XF	1854	43.15	1.17	4.1	32.2	82.5	52.76
PX1130B333-04	1841	44.53	1.18	4.1	37.6	85.2	50.81
PHY 411 W3FE	1833	45.28	1.13	4.3	34.4	83.3	50.04
PHY 332 W3FE	1822	42.53	1.22	4.1	35.2	83.3	52.38
PHY 360 W3FE	1810	43.93	1.18	4.2	32.8	83.1	50.04
DG 4530 B3TXF	1796	43.60	1.22	3.9	33.3	83.8	51.54
AMX20T079 B3XF	1780	42.58	1.22	4.5	33.9	84.3	51.58
DP 2211 B3TXF	1764	44.70	1.22	4.0	34.4	84.5	52.43
DP 2317 B3TXF	1748	42.25	1.22	4.0	33.6	84.0	51.58
PX1140D328-04	1745	44.05	1.20	4.4	35.1	85.0	51.60
PX1130D303-04	1737	43.55	1.16	4.4	33.2	84.0	51.46
Armor 9371 B3XF	1728	43.48	1.16	4.3	33.1	83.7	51.45
DP 2012 B3XF	1720	41.83	1.23	4.0	33.2	84.8	52.46
NG 3195 B3XF	1716	42.68	1.19	4.5	35.4	84.8	51.83
PX1140A385-04	1694	44.70	1.18	4.4	37.2	85.0	50.77
PHY 415 W3FE	1680	43.50	1.21	3.9	35.7	84.2	50.72
DP 2038 B3XF	1654	44.73	1.16	4.3	33.2	82.8	53.05
AMX20T157 B3XF	1629	43.00	1.21	4.4	34.3	84.6	52.41
DG 3528 B3XF	1626	42.90	1.23	4.1	35.1	84.1	50.76
DP 2115 B3XF	1620	43.55	1.21	4.3	34.7	84.6	50.76
DP 2131 B3TXF	1608	43.43	1.23	4.0	32.2	83.8	49.46
AMX20T114 B3XF	1576	42.78	1.22	4.4	32.4	84.6	51.77
DP 2239 B3XF	1556	43.83	1.23	4.4	33.7	83.7	54.04
PX1150D490-04	1555	42.20	1.20	3.9	34.7	83.2	51.03
Armor 9383 B3TXF	1538	40.30	1.20	3.9	33.2	83.8	52.35
ST 4990 B3XF	1537	41.10	1.24	4.1	32.3	84.4	51.53
Armor 23X1424 B3TX	1532	43.35	1.18	4.4	34.1	83.8	51.44
NG 4343 B3TXF	1532	41.98	1.20	4.1	32.1	83.8	52.33
PHY 443 W3FE	1528	42.95	1.18	4.1	36.7	84.4	51.85
PX1140B373-04	1511	42.60	1.19	4.3	34.2	84.7	51.58
DP 2141NR B3XF	1500	41.58	1.22	4.2	37.5	84.6	50.19
PHY 400 W3FE	1475	43.33	1.20	4.1	36.7	84.0	50.75
AMX21C005 B3TXF	1435	41.83	1.20	4.2	34.4	83.9	51.56
DG 3503 B3XF	1393	43.25	1.26	3.9	36.6	84.4	52.45
NG 4335 B3TXF	1383	42.33	1.24	4.3	33.6	85.2	51.00
DP 1646 B2XF	1371	43.30	1.26	4.4	31.5	84.2	53.09
DG 4484 B3TXF	1368	44.88	1.14	4.0	34.2	83.4	52.29
AMX160030-B B3XF	1366	41.93	1.20	4.4	34.3	83.8	52.93
AMX160030-A B3XF	1341	43.55	1.23	4.1	34.5	84.3	50.95
DP 2127 B3XF	1337	44.55	1.16	4.3	32.9	84.1	52.28
PX1150B437-04	1305	41.13	1.19	4.3	36.8	83.9	50.76
Overall Mean	1619	43.13	1.20	4.2	34.2	84.0	51.55
LSD (0.05)	321	1.81	0.04	0.4	2.6	1.5	NS
C.V (%)	13.9	3.0	2.2	6.7	5.2	1.2	NS

*Yield in bold type are not significantly different from the highest yielding variety.

Table 5. Mean yield performance and fiber characteristics for cotton varieties in Starkville, MS during 2023.

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	----	(g/tex)	-	¢/LB
PHY 415 W3FE	1516	42.50	1.20	4.6	37.6	84.6	57.40
PHY 411 W3FE	1454	44.25	1.13	4.8	34.4	83.7	56.49
PHY 443 W3FE	1419	43.53	1.11	4.7	33.6	84.0	57.23
PHY 332 W3FE	1332	41.43	1.22	4.5	34.9	84.0	57.44
PX1140D328-04	1330	43.28	1.20	4.6	35.0	84.0	56.79
PX1130B333-04	1327	41.43	1.14	4.8	36.2	85.9	56.26
PX1130D303-04	1279	42.38	1.13	4.5	31.7	84.5	56.46
PX1140B373-04	1266	40.93	1.15	4.6	35.5	84.9	56.35
PHY 400 W3FE	1260	41.83	1.20	4.1	35.8	84.3	57.49
DP 2131 B3TXF	1246	42.43	1.20	4.2	29.4	83.1	57.16
Armor 9371 B3XF	1245	41.10	1.17	4.2	29.2	83.8	56.98
ST 4595 B3XF	1245	42.13	1.19	4.6	31.9	83.7	57.14
DG 4530 B3TXF	1222	41.50	1.15	4.2	30.0	83.5	56.73
PX1150D490-04	1199	42.50	1.16	4.7	31.5	82.9	56.95
DP 2127 B3XF	1159	41.73	1.15	4.3	30.4	83.5	56.83
AMX20T079 B3XF	1148	40.48	1.19	4.4	32.6	83.9	57.14
NG 4190 B3XF	1148	40.78	1.20	4.4	30.9	83.7	57.20
PX1150B437-04	1137	39.73	1.13	4.5	33.8	82.5	56.73
PHY 360 W3FE	1122	41.00	1.18	4.4	30.2	83.2	56.98
DG 3528 B3XF	1112	39.80	1.21	4.3	30.8	84.2	56.95
DP 2012 B3XF	1112	39.38	1.15	4.1	30.9	82.7	57.11
ST 5091 B3XF	1098	41.43	1.14	4.1	28.4	81.8	55.95
DP 2211 B3TXF	1095	41.50	1.12	3.9	28.6	82.8	56.98
DP 1646 B2XF	1090	42.30	1.17	4.9	31.0	83.6	56.65
NG 3195 B3XF	1088	39.88	1.16	3.9	31.2	83.6	56.80
DP 2115 B3XF	1084	41.73	1.13	4.3	31.0	83.5	56.36
NG 4335 B3TXF	1066	38.83	1.22	4.2	32.7	85.5	57.00
DP 2317 B3TXF	1057	38.65	1.19	3.7	31.2	82.7	57.24
ST 4990 B3XF	1049	39.20	1.12	4.2	30.8	84.7	56.45
PX1140A385-04	1026	43.63	1.14	4.9	34.1	84.7	55.43
AMX20T157 B3XF	1024	40.23	1.20	4.1	31.6	83.8	56.60
AMX160030-B B3XF	1021	40.68	1.20	4.5	34.4	84.3	57.59
DG 4484 B3TXF	1010	41.45	1.17	3.8	32.1	83.4	56.46
AMX21C005 B3TXF	1003	38.38	1.11	4.0	30.7	84.0	56.89
DP 2239 B3XF	1002	42.23	1.20	4.1	32.1	84.0	56.63
DP 2328 B3TXF	1000	41.25	1.16	4.0	30.3	81.7	57.08
Armor 23X1424 B3TX	983	39.80	1.20	4.3	34.5	84.5	56.64
Armor 9383 B3TXF	975	38.68	1.19	4.1	30.2	84.4	57.15
DP 2141NR B3XF	975	40.23	1.13	4.8	33.6	83.5	57.24
DP 2038 B3XF	944	43.05	1.11	4.1	31.7	82.1	57.08
DG 3503 B3XF	929	41.55	1.22	3.6	35.2	84.4	54.89
NG 4343 B3TXF	902	40.00	1.21	4.0	30.8	83.7	55.08
AMX20T114 B3XF	880	40.50	1.21	4.4	30.2	85.3	56.10
AMX160030-A B3XF	840	43.20	1.16	4.3	31.4	83.7	56.71
Overall Mean	1123	41.19	1.17	4.3	32.1	83.8	56.74
LSD (0.05)	216	1.26	0.08	0.3	1.9	1.3	NS
C.V (%)	13.7	2.2	4.8	5.4	4.2	1.1	NS

*Yield in bold type are not significantly different from the highest yielding variety.

Table 6. Mean yield performance and fiber characteristics for cotton varieties in Clarksdale, MS during 2023.

Variety	Lint Yield† (lb/acre)	Lint %	Measurement				Loan Value ¢/LB
			Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity -	
DP 2328 B3TXF	2200	45.38	1.13	4.8	29.9	82.3	54.23
ST 4595 B3XF	2036	44.35	1.14	5.0	31.2	83.2	53.68
Armor 9371 B3XF	1868	45.98	1.11	5.0	28.8	83.3	53.26
NG 3195 B3XF	1819	44.08	1.11	4.8	31.4	82.8	52.06
PX1140A385-04	1816	47.23	1.08	5.2	33.7	83.4	50.06
PHY 360 W3FE	1800	44.78	1.09	5.2	28.6	81.6	47.85
DP 2012 B3XF	1791	42.90	1.13	4.9	30.6	83.2	54.19
ST 5091 B3XF	1785	44.30	1.11	4.8	28.0	81.9	53.59
DP 2211 B3TXF	1695	46.13	1.12	5.1	29.5	83.6	51.81
DG 3528 B3XF	1688	44.33	1.17	5.0	31.1	84.1	52.34
DG 3503 B3XF	1671	44.13	1.22	4.3	36.1	84.3	55.64
PX1140D328-04	1660	45.38	1.16	4.9	34.8	83.3	52.43
NG 4190 B3XF	1647	45.15	1.13	5.0	32.5	83.7	52.94
DG 4530 B3TXF	1645	44.58	1.18	4.8	30.3	84.8	54.28
DP 2141NR B3XF	1615	42.83	1.16	5.0	34.7	83.2	52.70
DP 2317 B3TXF	1608	43.20	1.14	4.7	30.8	82.8	54.56
DP 2038 B3XF	1608	47.28	1.11	5.0	31.0	82.6	50.35
NG 4335 B3TXF	1597	42.90	1.13	4.8	34.2	83.8	53.89
PX1130D303-04	1596	44.78	1.07	5.2	30.9	82.8	49.54
DP 2127 B3XF	1581	46.08	1.07	5.4	28.7	83.4	49.11
PX1150D490-04	1550	44.75	1.13	4.9	31.9	81.6	52.61
PHY 411 W3FE	1549	46.98	1.05	5.4	29.4	82.8	47.31
DP 2239 B3XF	1536	46.00	1.20	5.1	32.0	84.6	53.29
PHY 400 W3FE	1535	45.68	1.11	4.9	33.0	81.8	52.25
PHY 415 W3FE	1530	44.53	1.16	4.9	35.7	83.4	55.45
Armor 9383 B3TXF	1526	40.90	1.15	4.8	31.3	84.5	55.06
AMX20T157 B3XF	1524	44.23	1.11	5.0	30.8	83.0	52.06
PX1130B333-04	1493	44.15	1.11	5.2	34.7	84.1	50.33
DP 2115 B3XF	1492	44.63	1.12	5.2	30.4	83.3	51.84
PX1150B437-04	1479	42.70	1.08	5.3	33.1	81.7	49.91
PHY 443 W3FE	1477	45.75	1.09	5.1	34.2	83.1	50.81
DP 2131 B3TXF	1475	44.83	1.17	4.9	31.2	83.3	52.03
DG 4484 B3TXF	1458	44.83	1.14	4.6	33.8	83.8	53.15
AMX20T114 B3XF	1443	43.75	1.14	5.1	30.1	84.6	53.10
AMX21C005 B3TXF	1408	41.73	1.13	4.6	30.7	83.1	55.16
Armor 23X1424 B3TX	1389	42.20	1.16	5.0	34.3	84.5	52.89
NG 4343 B3TXF	1366	43.53	1.16	4.9	31.1	83.8	52.73
ST 4990 B3XF	1359	41.43	1.17	5.1	30.3	84.3	52.90
AMX20T079 B3XF	1349	42.95	1.15	5.0	31.7	82.9	52.99
PHY 332 W3FE	1348	44.15	1.18	4.8	32.9	83.5	54.80
DP 1646 B2XF	1340	44.45	1.22	5.0	32.4	84.0	53.21
PX1140B373-04	1302	44.80	1.08	5.3	31.9	83.5	49.73
AMX160030-B B3XF	1292	42.93	1.13	5.0	33.0	83.0	53.41
AMX160030-A B3XF	1205	44.88	1.19	4.8	32.0	83.9	54.68
Overall Mean	1571	44.37	1.13	5.0	31.8	83.3	52.50
LSD (0.05)	363	1.28	0.04	0.4	2.7	1.4	3.02
C.V (%)	16.1	2.1	2.6	5.2	6.1	1.2	4.1

*Yield in bold type are not significantly different from the highest yielding variety.

Table 7. Mean yield performance and fiber characteristics for cotton varieties in Tunica, MS during 2023.

Variety	Lint Yield† (lb/acre)	Lint %	Measurement				
			Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity -	Loan Value ¢/LB
DP 2127 B3XF	2179	42.10	1.19	4.7	33.6	85.0	50.75
PX1140D328-04	2134	41.95	1.22	4.3	34.0	83.3	49.90
DG 3528 B3XF	1905	40.80	1.23	4.2	31.9	83.8	50.06
PHY 360 W3FE	1892	41.53	1.21	4.0	33.5	83.5	50.68
PHY 411 W3FE	1872	43.75	1.17	4.4	35.4	83.8	50.71
ST 4595 B3XF	1867	41.73	1.22	4.5	33.6	84.3	50.73
PHY 415 W3FE	1837	42.25	1.21	4.1	35.0	83.3	50.74
PX1130D303-04	1817	41.55	1.18	4.2	35.0	85.0	49.61
DP 2328 B3TXF	1813	43.20	1.19	4.1	30.8	83.3	51.36
PHY 400 W3FE	1804	41.98	1.22	4.3	35.5	83.9	49.59
NG 3195 B3XF	1792	41.13	1.19	4.5	33.7	85.0	50.71
DP 2211 B3TXF	1791	42.13	1.20	4.3	31.3	83.6	51.43
PX1140A385-04	1785	43.53	1.20	4.3	36.1	84.4	50.19
DP 2012 B3XF	1778	40.35	1.25	4.3	32.2	84.5	50.68
PHY 332 W3FE	1772	39.93	1.23	3.9	34.0	83.8	51.55
DP 2115 B3XF	1760	42.00	1.20	4.7	31.7	84.5	50.64
Armor 23X1424 B3TX	1759	40.83	1.19	4.4	34.4	83.4	51.54
NG 4335 B3TXF	1754	40.70	1.22	4.2	32.9	85.1	50.78
Armor 9383 B3TXF	1751	39.43	1.20	4.1	31.1	84.0	50.56
DG 4484 B3TXF	1743	43.80	1.16	4.1	32.2	83.5	50.68
DP 2038 B3XF	1726	44.05	1.16	4.9	32.1	83.3	51.24
ST 4990 B3XF	1723	37.88	1.23	4.2	32.2	84.4	50.70
DP 2131 B3TXF	1716	41.48	1.25	4.0	31.8	83.5	51.48
DP 2317 B3TXF	1712	39.60	1.22	4.1	33.8	83.5	50.75
Armor 9371 B3XF	1709	42.00	1.19	4.3	32.0	84.0	51.46
NG 4190 B3XF	1701	40.25	1.21	4.2	34.5	84.2	50.78
ST 5091 B3XF	1685	40.23	1.23	4.2	31.7	83.8	50.64
AMX20T157 B3XF	1680	40.40	1.21	4.4	33.6	84.2	51.55
PHY 443 W3FE	1663	41.25	1.19	4.1	36.1	84.1	50.79
DP 2141NR B3XF	1648	39.38	1.24	4.4	36.3	85.0	50.79
DP 2239 B3XF	1609	40.35	1.27	4.2	33.5	83.9	50.73
PX1140B373-04	1603	40.45	1.20	4.0	36.7	84.8	50.83
NG 4343 B3TXF	1603	39.88	1.24	4.1	32.1	84.3	51.50
DG 4530 B3TXF	1587	41.20	1.20	4.0	32.9	84.3	51.51
DP 1646 B2XF	1531	40.70	1.27	4.2	32.0	84.0	50.65
PX1150B437-04	1522	39.45	1.20	4.4	36.2	83.9	50.15
PX1130B333-04	1506	41.33	1.20	4.0	36.6	84.9	50.20
AMX21C005 B3TXF	1444	39.03	1.22	3.8	33.0	84.7	50.16
AMX160030-B B3XF	1412	40.03	1.21	4.6	34.6	84.5	52.40
AMX20T079 B3XF	1408	39.73	1.23	4.4	33.3	84.2	51.54
AMX160030-A B3XF	1338	42.20	1.25	4.4	32.9	84.2	52.35
PX1150D490-04	1290	39.10	1.19	3.7	32.6	83.2	48.91
DG 3503 B3XF	1268	41.75	1.26	3.7	35.1	84.2	50.74
AMX20T114 B3XF	1112	39.80	1.22	4.5	31.9	85.2	50.64
Overall Mean	1682	41.05	1.21	4.2	33.5	84.1	50.80
LSD (0.05)	274	1.19	0.03	0.3	1.7	NS	NS
C.V (%)	11.3	2.1	1.7	4.9	3.7	NS	NS

*Yield in bold type are not significantly different from the highest yielding variety.

Table 8. Mean yield performance and fiber characteristics for cotton varieties in Sidon, MS during 2023.

Variety	Lint Yield [†] (lb/acre)	Lint %	Measurement				Loan Value ¢/LB
			Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity -	
PX1130D303-04	1262	42.83	1.15	4.8	33.5	84.8	53.19
PHY 400 W3FE	1240	42.75	1.17	4.4	35.4	83.9	50.91
PHY 411 W3FE	1240	43.73	1.11	4.4	35.6	84.2	51.48
PHY 443 W3FE	1209	42.88	1.15	4.3	34.3	83.5	51.41
DG 4530 B3TXF	1178	42.23	1.15	4.4	34.9	84.2	52.03
DP 2211 B3TXF	1176	42.73	1.17	4.3	31.8	84.4	52.30
PHY 332 W3FE	1166	41.60	1.22	4.1	37.2	84.9	51.80
AMX20T079 B3XF	1143	40.78	1.19	4.4	32.5	85.0	52.31
PX1130B333-04	1126	41.90	1.14	4.2	36.1	84.2	52.88
AMX21C005 B3TXF	1126	42.63	1.20	4.4	34.0	84.8	52.41
DP 2328 B3TXF	1119	41.95	1.16	4.3	32.6	83.9	52.88
Armor 9383 B3TXF	1103	41.67	1.13	4.5	32.8	83.9	51.40
NG 3195 B3XF	1099	42.28	1.17	4.6	31.3	83.9	53.83
PHY 360 W3FE	1087	42.00	1.19	4.2	34.0	84.2	52.90
NG 4343 B3TXF	1086	40.95	1.17	4.1	31.6	83.8	52.33
ST 5091 B3XF	1083	42.13	1.15	4.3	32.3	82.8	52.44
ST 4595 B3XF	1081	42.90	1.16	4.4	33.9	84.3	52.34
Armor 23X1424 B3TX	1065	41.48	1.18	4.4	36.4	84.1	51.56
AMX160030-A B3XF	1061	42.25	1.18	4.5	33.1	84.0	52.01
DP 2127 B3XF	1061	41.98	1.12	5.0	32.3	83.8	51.06
Armor 9371 B3XF	1055	41.43	1.17	4.2	31.8	84.6	51.49
NG 4335 B3TXF	1035	42.20	1.16	4.1	33.1	84.4	53.14
DP 2131 B3TXF	1029	42.98	1.18	4.4	30.8	83.8	53.01
NG 4190 B3XF	1028	40.87	1.17	4.4	33.3	84.5	52.92
ST 4990 B3XF	1026	39.65	1.21	4.5	34.7	85.6	53.33
AMX20T114 B3XF	1022	41.35	1.17	4.5	32.3	84.0	53.11
PX1140A385-04	1015	43.50	1.12	4.1	38.7	84.4	50.72
PHY 415 W3FE	1003	42.13	1.17	4.2	35.3	83.8	51.55
DP 2012 B3XF	1001	41.50	1.17	4.4	33.1	83.5	52.29
PX1140B373-04	999	41.93	1.16	4.3	37.4	85.1	53.23
DG 4484 B3TXF	986	44.23	1.12	4.1	34.2	83.9	52.08
DP 2317 B3TXF	972	40.75	1.13	4.0	32.4	83.6	51.67
DP 2239 B3XF	963	43.93	1.18	4.8	31.9	84.4	53.46
AMX20T157 B3XF	955	40.87	1.17	4.4	35.0	84.4	51.82
DP 1646 B2XF	946	42.23	1.18	4.4	33.4	84.4	53.16
PX1140D328-04	945	43.50	1.18	4.4	36.0	83.4	51.48
DP 2115 B3XF	939	41.37	1.16	4.4	32.2	84.2	52.10
DG 3528 B3XF	927	42.93	1.13	4.5	32.8	83.7	52.79
DP 2141NR B3XF	895	40.95	1.18	4.7	35.8	84.2	53.45
PX1150B437-04	859	40.67	1.14	4.2	37.1	84.4	50.73
DG 3503 B3XF	771	42.35	1.19	4.0	35.8	84.3	51.58
DP 2038 B3XF	732	42.63	1.12	4.6	33.9	83.1	52.03
PX1150D490-04	699	42.57	1.17	4.3	34.4	84.4	54.50
AMX160030-B B3XF	640	42.00	1.20	4.3	35.4	84.3	51.85
Overall Mean	1026	42.09	1.16	4.4	34.0	84.2	52.29
LSD (0.05)	272	1.98	0.05	NS	3.1	NS	NS
C.V (%)	17.7	3.2	2.7	NS	6.1	NS	NS

*Yield in bold type are not significantly different from the highest yielding variety.

Table 9. Mean yield performance and fiber characteristics for cotton varieties in Stoneville, MS during 2023.

Variety	Lint Yield† (lb/acre)	Lint %	Measurement				
			Length (in.)	Mic. - - - -	Strength (g/tex)	Uniformity -	Loan Value ¢/LB
Armor 9371 B3XF	2996	46.30					
DP 2127 B3XF	2993	46.35					
NG 4190 B3XF	2884	45.37					
DP 1646 B2XF	2784	44.75					
ST 4595 B3XF	2767	45.75					
DP 2239 B3XF	2747	46.38					
PHY 415 W3FE	2736	44.85					
PHY 411 W3FE	2731	45.23					
PX1140A385-04	2712	46.85					
DP 2131 B3TXF	2697	44.95					
DG 3528 B3XF	2682	45.00					
PHY 400 W3FE	2657	45.73					
DP 2038 B3XF	2634	47.95					
PX1140D328-04	2622	44.28					
PX1130B333-04	2592	44.08					
DP 2317 B3TXF	2579	43.60					
NG 3195 B3XF	2577	44.13					
DP 2211 B3TXF	2577	45.90					
PHY 332 W3FE	2572	43.28					
DP 2115 B3XF	2556	44.73					
PHY 443 W3FE	2551	44.48					
DG 4530 B3TXF	2519	44.33					
ST 5091 B3XF	2509	44.75					
PX1140B373-04	2493	43.93					
DP 2141NR B3XF	2451	43.98					
PX1130D303-04	2440	44.33					
DP 2012 B3XF	2432	43.93					
NG 4343 B3TXF	2424	43.13					
PX1150D490-04	2402	45.00					
ST 4990 B3XF	2396	42.30					
AMX20T079 B3XF	2367	44.30					
PHY 360 W3FE	2309	43.00					
AMX21C005 B3TXF	2259	41.18					
DG 4484 B3TXF	2256	44.58					
AMX20T157 B3XF	2252	43.98					
AMX160030-B B3XF	2224	43.85					
DG 3503 B3XF	2220	44.23					
Armor 23X1424 B3TX	2195	42.25					
AMX160030-A B3XF	2134	45.43					
DP 2328 B3TXF	2123	45.58					
AMX20T114 B3XF	2122	44.08					
Armor 9383 B3TXF	2111	41.25					
NG 4335 B3TXF	2109	41.80					
PX1150B437-04	2091	42.60					
Overall Mean	2488	44.40	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
LSD (0.05)	297	1.08					
C.V (%)	8.4	1.7					

*Yield in bold type are not significantly different from the highest yielding variety.

Table 10. Mean yield performance and fiber characteristics for cotton varieties in Raymond, MS during 2023.

Variety	Lint Yield [†]	Lint	Measurement				Loan Value
			Length	Mic.	Strength	Uniformity	
	(lb/acre)	%	(in.)	----	(g/tex)	-	¢/LB
PHY 411 W3FE	1537	47.83	0.99	5.7	29.7	81.8	40.30
PX1140A385-04	1446	45.93	1.01	5.8	31.0	83.9	45.13
ST 4595 B3XF	1424	46.70	1.04	5.2	29.6	82.1	47.78
PHY 415 W3FE	1421	45.93	1.06	5.3	29.9	82.6	49.95
PHY 400 W3FE	1414	45.08	1.08	5.0	33.1	82.7	51.38
Armor 9371 B3XF	1399	46.28	1.07	5.3	29.1	83.8	48.65
AMX20T079 B3XF	1388	44.08	1.08	5.3	27.7	82.5	49.08
PHY 360 W3FE	1381	45.13	1.02	5.4	26.5	81.5	44.50
DP 1646 B2XF	1380	45.50	1.12	5.0	31.6	82.5	53.93
DP 2115 B3XF	1379	45.40	1.10	4.8	30.2	82.9	52.90
AMX160030-A B3XF	1364	47.23	1.10	4.9	29.9	84.1	51.65
DP 2328 B3TXF	1359	45.58	1.06	5.2	28.3	82.4	47.93
PX1140B373-04	1359	44.13	0.99	5.4	30.7	81.8	44.45
PX1150D490-04	1355	47.00	1.06	5.1	31.9	82.4	50.30
ST 5091 B3XF	1353	43.48	1.04	4.9	26.1	81.8	47.58
Armor 23X1424 B3TX	1343	43.70	1.04	5.1	30.6	83.2	46.05
PX1130D303-04	1333	44.13	0.99	5.4	31.3	83.1	43.28
PHY 332 W3FE	1333	46.10	1.09	5.3	32.0	82.9	48.90
NG 4190 B3XF	1331	45.23	1.05	5.3	29.7	82.5	47.00
PX1150B437-04	1331	44.90	1.04	5.4	30.2	82.2	47.48
DP 2127 B3XF	1327	45.90	0.99	5.4	26.1	81.8	45.10
DP 2131 B3TXF	1327	44.88	1.12	4.9	29.3	81.7	55.95
AMX160030-B B3XF	1324	42.90	1.07	5.1	31.5	83.0	50.80
DP 2211 B3TXF	1321	46.03	1.00	5.4	29.0	81.2	44.35
DP 2038 B3XF	1316	46.88	1.02	5.3	28.3	82.4	47.25
DP 2239 B3XF	1306	47.20	1.11	5.2	30.7	82.5	51.30
NG 4335 B3TXF	1304	41.83	1.05	5.3	30.4	83.3	46.15
Armor 9383 B3TXF	1303	44.00	1.11	4.9	30.4	82.8	49.35
DP 2012 B3XF	1302	43.10	1.02	5.1	29.6	82.1	47.93
AMX20T157 B3XF	1284	45.58	1.08	5.0	30.2	82.3	49.75
NG 3195 B3XF	1281	44.60	1.03	4.6	30.2	82.8	49.18
AMX21C005 B3TXF	1278	40.00	1.08	4.5	29.7	83.5	53.08
AMX20T114 B3XF	1277	43.60	1.06	5.3	27.7	83.0	49.80
PX1140D328-04	1274	46.73	1.08	5.2	32.0	83.4	50.68
PX1130B333-04	1252	45.08	1.04	5.5	30.0	83.9	48.45
DG 4530 B3TXF	1249	45.93	1.07	5.1	29.4	82.9	49.10
PHY 443 W3FE	1247	46.80	1.03	5.7	30.9	81.3	47.53
DP 2317 B3TXF	1222	43.68	1.07	4.6	28.2	82.8	51.43
DG 4484 B3TXF	1221	45.10	1.01	5.0	29.7	81.3	45.15
ST 4990 B3XF	1219	42.63	1.08	5.2	28.6	83.3	47.35
DG 3528 B3XF	1188	44.70	1.04	5.4	30.1	82.8	47.58
DP 2141NR B3XF	1175	43.28	1.10	5.3	31.5	82.6	51.68
DG 3503 B3XF	1150	43.90	1.17	4.4	32.6	84.1	54.45
NG 4343 B3TXF	1120	42.73	1.09	5.1	29.6	82.4	51.95
Overall Mean	1316	44.92	1.06	5.1	29.9	82.6	48.72
LSD (0.05)	NS	0.95	0.07	0.6	NS	NS	6.33
C.V (%)	NS	1.5	2.8	5.7	NS	NS	6.0

*Yield in bold type are not significantly different from the highest yielding variety.