



MISSISSIPPI STATE UNIVERSITY™
MS AGRICULTURAL AND
FORESTRY EXPERIMENT STATION

**Mean yield performance and fiber characteristics for cotton varieties cultivated on a non-irrigated
Falaya silt loam soil at Pace Farms near Senatobia, MS during 2018.**

Variety	Seedcotton Yield	Measurement						
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	(lb/acre)	(%)	(in.)	- - - -	(g/tex)	(%)	¢/LB
PX 3C06 W3FE	4381	2041	46.6	1.17	4.9	30.5	82.9	54.60
DG 1702 GLT	4534	2034	44.9	1.11	4.7	30.9	82.5	53.78
DP 1725 B2XF	4168	2026	48.7	1.15	5.1	29.7	82.9	52.03
CG 9178 B3XF	4185	1996	47.7	1.18	5.3	30.3	83.8	51.34
CPS 18R817	4152	1967	47.6	1.12	5.2	30.0	83.9	51.53
DP 1646 B2XF	4103	1955	49.5	1.24	5.0	31.3	83.7	53.20
PHY 312 WRF	4203	1919	45.8	1.17	4.9	30.6	83.3	54.14
ST 5122GLT	4190	1898	45.3	1.13	4.6	29.1	81.6	53.93
CPS 18501-C	4360	1890	43.3	1.25	4.3	31.6	85.3	55.05
ST 5471GLTP	4165	1878	45.0	1.14	4.9	31.0	82.1	53.95
BX 1973GLTP	3934	1873	47.6	1.15	5.0	32.8	85.2	53.83
PX 3B07 W3FE	3823	1867	47.7	1.18	4.8	32.0	83.6	54.18
DG 3526 B2XF	3899	1850	47.5	1.15	5.0	29.1	84.6	53.51
DG 3214 B2XF	4015	1838	45.8	1.17	5.0	30.4	84.2	53.06
PHY 350 W3FE	4089	1834	44.8	1.21	4.9	31.9	85.2	54.14
DP 1518 B2XF	4045	1827	45.1	1.16	4.7	29.7	83.1	54.33
DP 1555 B2RF	3790	1813	47.8	1.18	4.9	32.3	82.7	53.68
DG 3385 B2XF	3931	1804	45.9	1.17	5.1	29.0	85.6	53.18
NG 3729 B2XF	4035	1802	44.7	1.19	5.0	30.5	83.6	53.00
ST 4949GLT	3746	1797	48.0	1.12	5.1	30.4	83.3	52.45
PHY 444 WRF	3945	1794	45.5	1.25	4.4	32.7	85.2	55.48
CPS 18R827	3812	1789	47.0	1.17	5.0	29.5	82.6	52.46
DP 17R818 B3XF	3873	1783	46.0	1.20	5.2	32.2	83.8	52.01
DP 1916 B3XF	3742	1780	47.5	1.14	5.0	31.4	82.7	52.93
NG 4689 B2XF	3942	1761	44.7	1.13	5.1	32.0	83.4	52.80
PX 3B09 W3FE	3807	1756	46.1	1.17	4.7	31.6	83.0	54.65
SSG UA 114	4228	1747	41.3	1.18	5.2	32.2	84.7	51.48
AMX 1817 B3XF	3648	1735	47.5	1.16	5.1	30.0	82.7	52.05
PX 4A64 W3FE	3700	1732	46.8	1.13	4.9	31.9	83.8	53.73
DP 1845 B3XF	3655	1714	46.9	1.21	4.8	33.2	82.5	54.11
NG 4777 B2XF	3877	1709	44.1	1.15	5.0	32.1	83.4	53.55
PX 5D28B W3FE	3651	1702	46.6	1.15	4.7	33.3	83.9	55.05
ST 5020GLT	4012	1700	42.3	1.22	4.9	34.0	84.9	54.99
PHY 340 W3FE	3694	1700	46.1	1.17	4.9	30.7	83.4	53.78
PHY 320 W3FE	3747	1700	45.3	1.15	4.8	32.2	84.5	54.81
PHY 430 W3FE	3546	1699	47.9	1.10	5.2	30.8	84.0	50.90
NG 4936 B3XF	3755	1686	44.9	1.19	5.0	30.4	84.5	53.85
DP 1820 B3XF	3594	1682	46.8	1.23	5.1	33.8	83.9	52.60
DP 1823 NR B2XF	3573	1679	47.0	1.18	4.6	31.3	84.5	54.75
CPS 18503-D	3749	1671	44.6	1.18	4.9	33.5	83.2	54.36
CG 9608 B3XF	3423	1667	48.7	1.14	4.8	29.8	81.6	53.79
BX 1974GLTP	3488	1659	47.6	1.18	5.0	31.4	84.4	53.58
ST 5818GLTP	3789	1641	43.3	1.18	4.6	31.6	83.1	54.41
ST 5517GLTP	3805	1639	43.0	1.17	4.8	31.8	82.7	53.80
DP 1851 B3XF	3434	1636	47.7	1.14	5.0	32.2	84.0	54.03
NG 5711 B3XF	3526	1606	45.6	1.20	4.9	31.2	82.9	53.69
PHY 580 W3FE	3324	1604	48.2	1.16	4.9	32.7	84.4	54.91
AMX 1816 B3XF	3803	1591	41.9	1.19	4.4	31.8	83.4	54.93
CPS 18502-C	3517	1591	45.4	1.17	4.6	30.7	83.3	54.20
PX 5B73 W3FE	3468	1589	45.8	1.16	5.2	30.9	83.9	52.05
BX 1975GLTP	3434	1588	46.4	1.17	5.0	31.5	83.9	53.31
NG 5007 B2XF	3446	1586	46.2	1.14	4.7	28.7	82.7	54.23
PHY 330 W3FE	3401	1574	46.3	1.18	4.8	31.7	84.8	55.15
CPS 18507-D	3407	1572	46.1	1.14	5.1	30.7	83.8	53.09
DG 3433 B2XF	3581	1557	43.5	1.11	4.6	27.7	81.5	53.58
SSG UA 222	3686	1555	42.2	1.22	5.0	33.2	84.3	53.91
PHY 300 W3FE	3345	1546	46.3	1.15	5.0	31.2	83.6	53.55



Variety	Seed cotton Yield	Measurement						
		Lint Yield†	Lint	Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	(lb/acre)	(%)	(in.)	----	(g/tex)	(%)	¢/LB
DP 1835 B3XF	3260	1532	47.1	1.19	5.0	32.0	84.0	54.38
NG 3780 B2XF	3572	1527	42.8	1.16	5.1	32.0	83.5	53.05
PHY 480 W3FE	3331	1516	45.5	1.16	4.8	30.9	84.4	54.20
BX 1976GLTP	3307	1515	45.8	1.18	5.5	33.9	84.3	51.56
PX 4A69 W3FE	3159	1510	47.6	1.18	4.6	31.3	83.4	55.01
NG 3699 B2XF	3481	1488	42.7	1.16	4.8	31.3	82.3	54.64
AMX 1819 B3XF	3295	1411	42.8	1.17	5.0	30.1	84.5	54.16
AMX 1818 B3XF	3166	1384	43.8	1.18	5.0	33.7	84.6	53.55
PHY 440 W3FE	3028	1380	45.7	1.21	4.5	34.8	84.0	55.24
NG 2982 B3XF	2782	1160	41.9	1.12	4.2	33.6	84.2	54.28
Overall Mean	3725	1702	45.7	1.17	4.9	31.4	83.7	53.66
LSD(0.05)	428	195	1.5	0.04	0.3	1.6	1.6	1.65
C.V. (%)	8.1	8.1	2.3	2.5	3.8	3.7	1.3	2.2
† Lint yields in bold type within a column are not significantly different from the numerically greatest yielding variety. N.S. = No significant differences between treatments.								