



MISSISSIPPI STATE UNIVERSITY™
MS AGRICULTURAL AND FORESTRY EXPERIMENT STATION

Mean yield performance and fiber characteristics for cotton varieties across all seven (7) locations in 2024.

Variety	Lint Yield†	Lint	Measurement				
			Length	Mic.	Strength	Uniformity	Loan Value
	(lb/acre)	%	(in.)	----	(g/tex)		¢/LB
PX1140F331-04W3FE	1314	44.2	1.17	4.4	33.7	83.6	52.55
DP 2127 B3XF	1260	44.5	1.12	4.7	30.3	83.3	52.28
PX1140F329-04W3FE	1227	43.9	1.16	4.1	32.2	82.5	52.41
PX1150F361-04W3FE	1217	42.9	1.2	4.2	34.1	83.7	52.58
DP 2414 B3TXF	1205	44	1.17	4.3	30.3	82.6	52.24
AMX 12526 B3XF	1205	45.6	1.17	4.6	32.1	83.6	52.45
PHY415W3FE	1198	42.8	1.18	4.2	33.4	83.1	52.48
PX1150F357-04W3FE	1195	43.5	1.14	4.3	34.1	83.5	52.57
PX1150F360-04W3FE	1180	43.2	1.22	4.3	33.6	83.8	52.57
Armor 9371 B3XF	1176	44.4	1.15	4.3	29.7	83.3	52.02
PHY411W3FE	1171	45.3	1.11	4.4	31.4	82.4	52.33
PX1130F309-04W3FE	1157	42.4	1.15	4.4	32.3	83.5	52.47
PX1140F330-04W3FE	1152	43.8	1.17	4.2	31.9	82.8	52.4
DG 3528 B3XF	1143	43.8	1.18	4.2	30.6	82.9	52.3
BX2531AXTP	1139	42.7	1.2	3.9	31.3	83	52.38
NG 3195 B3XF	1132	43.1	1.15	4.4	30.4	82.8	52.25
Armor 24X954 B3TXF	1128	43.2	1.15	4.3	29.9	82.7	52.19
DG 4530 B3TXF	1119	42.8	1.16	4.1	29.6	82.9	52.18
AMX12507 B3TXT	1108	40.8	1.22	3.9	32.3	83	52.44
Armor 24X951 B3TXF	1102	44.7	1.16	4.3	29.9	82	52.14
ST6000AXTP	1100	45.6	1.2	4.1	34	83.6	52.58
23R9128B3TXF	1100	45.8	1.16	4.2	31.7	82.4	52.37
DP 2333 B3XF	1097	44.7	1.13	4.7	29.8	82.2	51.95
BX2515AXTP	1095	43.2	1.2	4.5	30.8	82.3	52.29
BX2533AXTP	1079	42	1.2	4.2	30.7	82.8	52.28
DP 2141NR B3TXF	1064	43.1	1.16	4.7	32.7	82.5	52.45
BX2555AXTP	1061	45.8	1.17	4.1	32.6	82.7	52.47
23R9143B3TXF	1057	44.7	1.16	4.5	32.1	83.2	52.45
DP 2328 B3TXF	1056	43.9	1.15	4.3	29.7	81.8	51.9
PHY443W3FE	1053	43.8	1.14	4.4	33	83.4	52.54
AMX12502 B3TXF	1052	43.5	1.17	4.2	30.1	81.6	52.11
PHY475W3FE	1049	40.9	1.13	4.4	32.6	82.2	52.4
PHY332W3FE	1047	42.1	1.2	4.3	32.7	83	52.48
BX2556AXTP	1045	42.3	1.19	4.1	32.7	82.1	52.39
PHY360W3FE	1036	42.9	1.15	4.5	29.5	81.7	52.11
BX2557AXTP	1006	44.5	1.2	4.5	33.2	83.9	52.53
AMX 12572 B3TXF	1001	45.1	1.12	4.4	30.2	82.9	52.21
NG 3457 B3XF	998	43.4	1.17	4.5	31	83	52.34
23R9822B3TXF	991	43.5	1.14	4.4	29.6	82.2	52.14
PHY400W3FE	991	43.6	1.15	4.2	32.3	82.4	52.38
DP 2115 B3XF	989	43.9	1.16	4.6	30.9	82.9	52.32
NG 5430 B3XF	983	42.4	1.16	4.5	31.9	83	52.37
DP 2211 B3TXF	980	44	1.16	4.3	29.3	82.5	52.15
DG 4434 B3TXF	975	43.2	1.19	4.1	31	82.4	52.3



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Variety	Lint Yield† (lb/acre)	Lint (%)	Measurement				Loan Value (¢/LB)
			Length (in.)	Mic. (---)	Strength (g/tex)	Uniformity	
DG 3503 B3XF	975	44.4	1.2	3.9	32.8	83	52.48
NG 4405 B3TXF	952	40.9	1.18	4	30.5	83.2	52.29
DG 3519 B3XF	942	41.8	1.21	4.3	32.3	83.9	52.5
Armor 24X955 B3TXF	940	43	1.14	4	28.1	78.6	51.78
23R9918B3TXF	918	44.5	1.15	4.1	31.4	82.4	52.33
DG 3511 B3XF	856	43.9	1.17	4.6	33.6	84.1	52.58
Overall Mean	1080	43.6	1.17	4.3	31.5	82.8	52.33
LSD (0.05)	92	0.97	0.01	0.2	0.8	1.4	0.21
C.V (%)	16	4	2.74	6.4	4.3	3	0.72

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