

Table 6. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Dillon County at Minturn, SC, in 2017. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DP 1646B2XF	1473	43.7	1.16	81.6	29.5	7.0	4.4
PX 3A96W3FE	1338	40.4	1.10	82.3	31.8	6.2	4.5
PX 3A99W3FE	1313	41.7	1.13	82.5	31.9	6.3	4.6
DP 1639B2XF	1292	45.0	1.10	81.8	31.5	6.7	4.9
PX 3A82W3FE	1287	41.5	1.08	83.2	35.6	7.1	4.5
CP 3885B2XF	1268	42.7	1.08	82.1	29.7	7.4	4.7
PX 5B73W3FE	1231	42.4	1.12	82.7	31.5	6.2	4.5
PHY 330W3FE	1193	43.4	1.15	83.1	31.6	5.2	4.4
PX 5B76W3FE	1190	41.7	1.11	82.1	32.0	5.2	4.5
DP 1553B2XF	1185	42.4	1.14	80.7	29.3	7.4	4.4
PHY 340W3FE	1162	43.6	1.13	82.1	30.7	5.3	4.4
NG 5007B2XF	1160	41.9	1.11	81.3	29.1	7.2	4.4
ST 6182GLT	1150	45.5	1.12	81.8	29.3	6.0	4.6
DP 1538B2XF	1145	43.1	1.08	81.3	29.7	6.8	4.7
ST 5020GLT	1145	41.3	1.13	81.7	31.7	6.2	4.6
NG 4601B2XF	1145	43.6	1.14	82.0	32.7	6.2	4.8
DP 1747NRB2XF	1135	45.0	1.10	81.2	32.1	6.0	4.8
PHY 444WRF	1129	42.7	1.19	83.6	31.2	6.0	4.0
PHY 450W3FE	1125	40.9	1.07	82.2	35.8	6.7	4.8
DG 3526B2XF	1083	43.5	1.08	81.8	29.3	8.0	4.5
ST 5517GLT	1083	41.4	1.13	81.6	31.9	5.7	4.3
PHY 430W3FE ¹	1063	43.1	1.10	82.7	32.2	6.2	4.6
PX 5A57W3FE	1023	41.2	1.12	82.5	33.1	5.7	4.3
DP 1840B3XF	1021	42.8	1.17	82.8	31.8	6.8	4.3
PHY 300W3FE	1007	42.7	1.10	81.3	31.2	5.4	4.7
AMX 1711B2XF	1006	43.0	1.14	81.4	31.3	6.7	4.4
PHY 312WRF	1005	41.0	1.13	82.7	30.8	6.5	4.6
PHY 480W3FE	1000	43.4	1.11	82.6	30.9	6.9	4.6
DP 1851B3XF	999	43.2	1.13	82.0	33.6	7.2	4.5
PHY 440W3FE	993	43.8	1.13	81.1	33.2	4.9	4.2
MN 16R353B3XF	986	44.9	1.11	81.5	31.7	7.2	4.8
PHY 430W3FE ²	979	44.0	1.08	81.7	32.1	6.3	4.4
DG 3635B2XF	970	41.6	1.13	82.0	32.9	6.1	4.7
CG 9608B3XF	969	45.4	1.12	81.5	29.9	5.3	4.5
DG 3757B2XF	960	42.4	1.09	81.4	29.3	6.7	4.5
DG CPS17330	950	45.3	1.12	82.5	33.1	6.7	4.8
ST 4949GLT	917	43.1	1.06	80.6	29.9	6.4	4.6
PHY 499WRF	906	43.0	1.11	82.3	32.5	7.3	4.9
ST 5115GLT	902	40.4	1.10	80.6	31.0	6.1	4.4
PHY 490W3FE	899	42.0	1.10	82.3	34.2	7.3	4.7
PX 2A28W3FE	853	41.1	1.14	81.9	31.5	4.0	4.3
LSD (0.05)	232	1.8	0.04	NS	1.3	0.6	0.3
C.V. (%)	15	3.1	2.36	1.5	3.0	7.1	4.1
Trial Mean	1089	42.8	1.12	81.9	31.6	6.3	4.5

Bold numbers are not statistically different at the 0.05 level of probability.

^{1,2} PHY 430W3FE is a 50/50 blend of sister lines tested as PX 4A54W3FE¹ AND PX 4A57W3FE² in trial

Location: Baxley Farm, Minturn, SC

Soil Type: Dunbar fine Sandy Loam/Varina Sandy Loam

GPS Coordinates: lat: 34.475424; long: -79.450411

Planted: May 11, 2017

Harvested: November 7, 2017

Table 5. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Dillon County at Minturn, SC, in 2017. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PHY 312WRF	1415	39.5	1.14	83.5	31.9	7.0	4.4
PX 5B76W3FE	1402	40.4	1.125	83.33	32.7	6.15	4.38
PX 3A82W3FE	1330	41.8	1.093	82.95	33.8	8.38	3.85
PHY 430W3FE ¹	1329	43	1.13	82.75	32.65	6.98	4.3
PHY 430W3FE ²	1302	44.2	1.083	81.33	32.88	7.43	3.85
DP 1522B2XF	1277	40.5	1.11	81.75	30.35	8.95	4.88
DG 3385B2XF	1194	40.6	1.135	82.3	29.53	8.08	4.88
PX 3A99W3FE	1193	42.1	1.09	80.68	31.43	6.68	3.9
PHY 440W3FE	1160	43.6	1.145	81.3	32	5.73	3.68
PX 3A96W3FE	1131	39.8	1.086	81.99	31.35	6.7	3.75
ST 5517GLT	1130	38.7	1.13	82.03	32.63	6.38	4.35
NG 3522B2XF	1109	40	1.068	81.05	29.53	6.7	4.5
NG 3699B2XF	1102	38.7	1.16	81.43	31.6	4.95	4.4
DP 1725B2XF	1081	44	1.12	81.78	31.25	5.75	4.65
NG 3406B2XF	1080	40	1.095	81.1	29	8.03	4.58
PX 5B73W3FE	1079	42.2	1.115	82.43	31.68	6.43	4.1
PHY 330W3FE	1076	42.2	1.11	82.28	32.38	5.85	3.93
PHY 300W3FE	1062	42.2	1.123	82.58	31.15	6.83	4.55
DP 1614B2XF	1054	42.6	1.123	82.6	30.93	8.03	4.85
PHY 480W3FE	1054	42	1.113	82.53	32.18	8	3.93
PX 5A57W3FE	1040	40.6	1.13	82.05	32.95	6.8	3.9
ST 5115GLT	1028	40	1.113	81.9	31.93	6.35	3.98
ST 5020GLT	1023	40.1	1.14	82.6	32.75	6.43	4.13
ST 4949GLT	1007	43.3	1.103	82.18	30.7	6.88	4.53
DG CPS16228NR	986	41.8	1.123	80.63	31.7	8.05	4.38
PHY 444WRF	956	42.7	1.193	84.01	31.8	6.38	3.81
PX 2A28W3FE	938	42.1	1.121	82.32	33.64	5.57	3.89
PHY 340W3FE	885	43.4	1.113	83	31.98	5.75	4.05
ST 4848GLT	873	43.4	1.118	81.6	32.43	6.3	3.85
PHY 450W3FE	849	40.3	1.105	83.29	36.15	7.38	4.48
PHY 499WRF	845	42	1.123	82.8	33.93	7.85	4.6
PHY 490W3FE	809	42.3	1.1	82.1	35.03	7.35	4.43
LSD (0.05)	207	1.8	0.05	1.6	1.5	0.7	0.6
C.V. (%)	13	3	2.89	1.4	3.3	6.9	9.7
Trial Mean	1087	41.6	1.12	82.2	32.1	6.9	4.2

Bold numbers are not statistically different at the 0.05 level of probability.

^{1,2} PHY 430W3FE is a 50/50 blend of sister lines tested as PX 4A54W3FE¹ AND PX 4A57W3FE² in trial

Location: Baxley Farm, Minturn, SC

Soil Type: Dunbar fine Sandy Loam/Varina Sandy Loam

GPS Coordinates: lat: 34.475424; long: -79.450411

Planted: May 11, 2017

Harvested: November 14, 2017