

Table 5. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown in Dillon County at Minturn, SC, in 2020. Early-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DG 3456B3XF	1182	42.0	1.20	83.6	29.1	6.7	3.9
PHY 443W3FE	1086	43.0	1.15	83.8	31.1	6.7	4.2
PX 4B08W3FE	1064	42.6	1.15	83.0	30.2	6.9	4.0
ST 5091B3XF	1064	40.6	1.22	83.4	30.2	6.1	3.8
BX 2192B3XF	1006	41.2	1.32	85.3	31.5	6.0	4.0
PHY 332W3FE	999	40.5	1.21	83.8	30.9	7.0	3.7
DP 2012B3XF	998	41.2	1.22	83.9	31.0	5.8	3.9
DP 1646B2XF	985	42.3	1.27	84.0	28.9	7.4	3.9
NG 3522B2XF	984	41.1	1.13	82.7	27.5	6.5	3.8
ST 4550GLTP	947	43.3	1.16	83.2	30.5	7.2	4.1
DP 2020B3XF	943	40.5	1.25	84.0	30.5	6.0	4.0
DP 2127B3XF	931	42.5	1.19	83.5	31.7	6.4	3.8
PHY 350W3FE	929	39.3	1.20	84.0	29.9	6.8	3.9
DGX19731GLTP	905	38.8	1.26	83.3	29.5	7.4	4.0
PHY 360W3FE	883	41.0	1.18	82.8	29.0	6.6	3.9
PHY 390W3FE	880	42.5	1.20	83.1	31.4	6.3	3.7
NG 3729B2XF	872	39.8	1.22	85.3	29.7	7.2	4.3
PHY 500W3FE	870	42.9	1.18	84.6	32.4	6.3	3.7
PHY 400W3FE	864	42.4	1.18	83.4	31.2	6.4	3.8
DP 1916B3XF	833	43.3	1.18	83.8	31.9	6.2	3.9
DG 3615B3XF	831	42.6	1.18	83.0	30.5	7.0	4.3
ST 4990B3XF	819	40.1	1.20	84.0	29.7	7.0	4.0
AMX 19A016B3XF	790	38.5	1.18	82.6	27.4	8.3	3.7
DG3753B3XF	786	42.9	1.19	84.5	31.3	7.4	4.0
DG 3799B3XF	781	42.4	1.19	83.0	30.3	7.0	4.2
AMX 19A014B3XF	766	39.9	1.19	83.3	28.2	7.5	4.0
AMX 19A015B3XF	754	39.0	1.24	84.1	29.4	8.0	3.8
NG 3930B3XF	736	39.7	1.19	83.8	29.0	6.8	3.9
LSD (0.05)	240	1.8	0.03	1.1	1.3	0.4	0.2
C.V. (%)	19	3.1	1.92	1.0	3.0	3.7	4.3
Trial Mean	910	41.3	1.20	83.7	30.1	6.8	3.9

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

Location: Baxley Farm, Minturn, SC

Soil Type: Dunbar fine Sandy Loam/Varina Sandy Loam

GPS Coordinates: lat: 34.475424; long: -79.450411

Planted: May 18, 2020

Harvested: November 23, 2020

Table 6. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown in Dillon County at Minturn, SC, in 2020. Late-Maturity Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DG 3615B3XF	1305	43.6	1.17	83.3	29.2	7.3	4.0
DG 3570B3XF	1227	41.7	1.19	83.4	30.2	7.1	3.7
PHY 332W3FE	1213	42.9	1.15	83.1	29.1	7.1	4.1
DP 19R237B3XF	1202	42.2	1.22	83.4	30.2	6.9	3.9
ARMOR 9371B3XF	1200	43.9	1.16	83.4	28.8	6.9	3.9
DP 1916B3XF	1171	43.0	1.19	83.7	28.5	7.6	4.0
NG 3195B3XF	1168	43.6	1.16	83.3	29.9	7.2	4.2
DGX 19052B3XF	1101	40.1	1.17	82.6	30.3	7.4	3.9
ST 5610B3XF	1100	43.2	1.20	84.1	29.1	7.7	3.9
DG 1702GLT	1081	40.9	1.14	81.9	29.2	7.1	4.1
DG H959B3XF	1065	41.1	1.19	82.3	29.5	7.1	3.9
DG 3555B3XF	1060	40.9	1.20	83.8	29.2	7.3	3.9
DGX 197312GLTP	1056	42.8	1.18	82.0	28.3	7.0	4.0
ARMOR 9831B3XF	1048	44.0	1.20	83.5	29.2	7.5	4.0
DP 1646B2XF	1047	42.4	1.18	82.7	28.7	7.3	3.9
PX 5E28W3FE	1042	39.3	1.21	84.2	29.9	7.4	3.8
ARMOR 9608B3XF	1035	44.7	1.16	82.7	29.2	7.3	4.0
DP 1840B3XF	1031	41.7	1.20	82.8	29.4	7.0	3.9
ST 6182GLT	1026	44.2	1.17	83.2	29.4	7.0	4.0
DP 2055B3XF	1022	43.7	1.23	84.0	28.4	7.7	4.0
NG 4936B3XF	1013	40.2	1.21	84.3	29.3	7.7	4.0
DP 1851B3XF	990	42.5	1.17	83.0	28.8	7.7	3.9
ARMOR 3885B2XF	983	43.1	1.19	83.6	29.3	7.3	3.9
PHY 500W3FE	977	43.1	1.18	83.3	29.7	7.0	3.8
ST 5471GLTP	968	41.3	1.22	83.5	29.3	6.9	4.1
NG 5711B3XF	962	42.8	1.20	83.1	30.0	7.4	3.9
DGX 1901SEGLTP	930	43.7	1.17	83.6	28.6	7.5	4.0
ST 4993B3XF	914	44.0	1.19	82.7	28.2	7.5	3.7
AMX 19A018B3XF	911	41.0	1.20	82.9	29.2	7.3	3.7
NG 5007B2XF	904	41.0	1.16	83.5	27.6	7.5	3.9
NG 5150B3XF	899	42.6	1.19	83.0	28.9	6.9	3.8
PHY 545W3FE	891	43.8	1.18	82.9	28.5	7.6	3.8
PHY 580W3FE	883	43.0	1.18	83.5	29.1	7.1	3.9
DP 2038B3XF	874	45.0	1.19	83.4	29.1	7.4	4.0
PHY 480W3FE	871	41.5	1.16	83.9	28.8	8.0	4.1
PX 5E34W3FE	867	40.4	1.17	83.3	29.3	7.3	3.8
NG 4098B3XF	832	39.9	1.22	83.4	29.3	7.2	3.6
BX 2194B3XF	762	40.6	1.17	83.4	29.3	7.2	4.1
ST 5600B2XF	740	41.9	1.19	83.6	29.3	7.0	4.1
DG 3520B3XF	739	41.3	1.21	84.3	28.8	7.4	3.8
LSD (0.05)	231	1.4	0.06	1.4	1.6	0.8	0.4
C.V. (%)	16	2.4	3.51	1.2	3.9	7.4	6.9
Trial Mean	1003	42.3	1.18	83.3	29.1	7.3	3.9

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

Location: Baxley Farm, Minturn, SC
 Soil Type: Dunbar fine Sandy Loam/Varina Sandy Loam
 GPS Coordinates: lat: 34.475424; long: -79.450411
 Planted: May 18, 2020; Replanted: June 8, 2020
 Harvested: November 24, 2020