

Table 3. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2020. Early-Maturity Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DG 1702GLT	1621	40.9	1.14	82.7	29.7	6.9	4.0
NG 3195B3XF	1540	43.6	1.13	83.2	30.1	6.2	4.2
BX 2192B3XF	1469	44.3	1.26	84.4	31.6	5.8	4.2
DP 1646B2XF	1418	43.2	1.23	83.1	30.3	7.2	4.1
PX 4B08W3FE	1417	44.7	1.11	82.7	31.3	6.7	4.4
ST 4993B3XF	1390	44.0	1.15	83.8	32.1	6.7	4.4
ST 5091B3XF	1389	43.6	1.15	82.4	30.1	6.0	4.0
NG 3729B2XF	1322	41.0	1.19	84.0	30.3	6.8	4.5
DP 2012B3XF	1317	41.6	1.21	83.7	32.1	5.8	4.3
ST 4550GLTP	1312	45.1	1.11	83.2	31.5	7.2	4.6
DG 3799B3XF	1291	43.9	1.14	82.1	30.8	6.9	4.5
DG 3615B3XF	1283	44.1	1.15	82.8	31.5	6.8	4.4
BX 2194B3XF	1253	41.0	1.19	82.5	30.4	7.1	3.4
DP 1840B3XF	1244	42.1	1.20	83.1	31.2	6.5	4.1
ST 5471GLTP	1242	41.7	1.14	82.1	30.8	6.5	4.3
ST 4990B3XF	1215	39.9	1.21	84.1	30.1	6.8	4.1
PHY 390W3FE	1214	42.4	1.17	82.9	31.8	5.9	3.9
PHY 350W3FE	1208	41.3	1.13	82.6	31.2	6.7	4.2
PX 5E34W3FE	1207	39.5	1.16	83.4	32.4	6.6	3.8
PHY 500W3FE	1196	44.7	1.12	83.4	31.3	5.9	4.0
NG 5007B2XF	1172	42.1	1.15	83.2	28.7	7.2	4.3
DG 3456B3XF	1170	43.0	1.13	82.6	29.1	6.5	4.2
PHY 332W3FE	1162	41.7	1.18	82.9	31.4	6.8	4.1
PHY 400W3FE	1150	42.6	1.15	82.6	32.1	6.4	4.2
AMX 19A015B3XF	1132	38.9	1.19	83.7	30.4	7.7	3.9
PX 5E28W3FE	1112	40.7	1.18	83.4	32.5	6.6	3.6
AMX 19A014B3XF	1101	38.6	1.15	82.0	29.0	7.0	3.9
NG 4098B3XF	1099	40.5	1.22	83.9	34.1	6.4	4.0
DGX19731GLTP	1093	40.4	1.19	82.1	30.4	6.6	4.3
AMX 19A016B3XF	1091	39.8	1.16	82.7	29.3	7.5	4.0
NG 5711B3XF	1059	42.3	1.17	82.1	30.0	6.8	4.0
DP 2127B3XF	1040	44.0	1.15	83.6	31.0	6.4	4.2
NG 3930B3XF	1018	40.0	1.16	82.6	30.4	6.3	4.0
DP 2020B3XF	998	40.9	1.21	84.3	31.2	5.8	4.0
PHY 360W3FE	997	43.1	1.14	82.4	30.4	5.8	4.4
NG 4936B3XF	986	39.3	1.21	84.3	30.6	6.9	4.2
DP 1916B3XF	983	44.3	1.13	83.1	31.8	6.2	4.1
PHY 480W3FE	970	42.1	1.14	83.4	30.4	7.4	4.1
AMX 19A018B3XF	967	40.2	1.15	82.9	30.0	7.3	4.1
NG 5150B3XF	959	43.4	1.17	83.2	31.4	6.1	4.4
PHY 545W3FE	913	42.7	1.12	83.2	30.0	7.0	3.9
NG 3522B2XF	839	41.9	1.10	81.9	28.0	6.2	4.4
PHY 443W3FE	801	42.9	1.13	82.9	32.4	6.7	4.2
DG3753B3XF	744	45.1	1.15	83.2	31.7	7.0	4.3
LSD (0.05)	354	2.1	0.03	1.2	1.4	0.4	0.3
C.V. (%)	22	3.5	1.98	1.0	3.4	4.0	5.4
Trial Mean	1162	42.1	1.16	83.0	30.8	6.6	4.1

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

Location: Pee Dee Research & Education Center
 Soil Type: Norfolk Loamy Sand
 GPS Coordinates: lat: 34.296786 long: -79.744398
 Planted: May 4, 2020
 Harvested: October 29, 2020

Table 1. Lint Yield, Gin Turnout, and Fiber Quality of Early-Maturing Cotton Varieties Grown at PDREC located in Florence, 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
DP 1646B2XF	1203	45.3	1.24	84.5	30.1	6.4	4.1
BX 2192B3XF	1162	42.6	1.27	83.4	31.7	5.3	3.9
NG 3729B2XF	1146	41.7	1.19	84.5	31.0	6.6	4.6
PHY 443W3FE	1145	44.3	1.15	83.7	32.6	6.0	4.0
NG 3195B3XF	1134	42.6	1.18	84.6	31.8	5.7	4.0
NG 5150B3XF	1100	42.6	1.20	83.5	31.0	6.0	3.9
DGX19731GLTP	1041	41.6	1.24	83.9	30.6	6.1	4.2
PX 4B08W3FE	1037	45.0	1.14	83.8	32.6	6.3	4.2
ST 5091B3XF	1015	43.2	1.18	83.2	30.1	5.8	3.6
DP 2012B3XF	1011	42.0	1.21	84.4	31.4	5.5	4.1
NG 5711B3XF	1009	42.3	1.22	83.9	31.5	5.9	4.0
DG3753B3XF	1009	45.6	1.19	84.7	32.4	6.6	4.1
PHY 545W3FE	1006	44.8	1.15	84.0	31.0	6.0	3.9
NG 4098B3XF	999	40.4	1.26	83.2	34.3	5.6	3.8
DP 2020B3XF	994	40.6	1.23	84.6	31.7	5.3	4.0
PHY 360W3FE	972	43.4	1.20	84.7	32.1	5.5	4.1
NG 4936B3XF	966	41.1	1.22	85.3	30.0	6.4	4.0
ST 4990B3XF	963	40.1	1.21	84.7	31.3	6.3	3.8
PX 5E28W3FE	951	41.0	1.20	83.8	31.4	6.2	3.5
NG 3930B3XF	929	42.3	1.20	84.0	31.7	5.9	3.8
AMX 19A014B3XF	922	39.6	1.18	82.8	29.2	6.3	3.7
AMX 19A018B3XF	919	41.3	1.15	83.2	31.0	6.9	3.9
PHY 332W3FE	914	42.5	1.23	84.0	32.2	5.9	3.8
DG 1702GLT	903	41.3	1.17	83.3	30.5	6.1	3.8
NG 3522B2XF	900	42.2	1.10	83.1	28.4	5.7	4.1
ST 4550GLTP	886	44.3	1.17	84.0	30.6	6.2	4.0
PHY 500W3FE	884	43.0	1.16	84.5	32.9	5.3	3.5
DG 3615B3XF	873	43.2	1.18	83.3	30.6	6.0	3.5
ST 4993B3XF	873	44.3	1.15	84.9	32.2	6.3	4.4
AMX 19A016B3XF	872	39.1	1.19	83.5	29.8	6.7	3.6
PHY 390W3FE	867	42.5	1.17	83.5	31.9	5.5	3.8
PX 5E34W3FE	840	40.0	1.20	84.5	32.2	6.0	3.4
DP 1840B3XF	824	41.6	1.24	83.7	30.8	6.0	3.6
ST 5471GLTP	812	41.9	1.16	82.2	29.7	6.0	3.8
DG 3799B3XF	804	43.1	1.20	83.2	31.7	6.1	3.9
BX 2194B3XF	794	41.5	1.22	83.1	30.3	6.2	3.2
AMX 19A015B3XF	772	37.8	1.20	83.3	30.2	6.4	3.7
DP 1916B3XF	769	44.5	1.17	83.5	31.9	5.5	4.0
PHY 350W3FE	766	42.3	1.17	83.3	30.6	6.3	3.7
DP 2127B3XF	766	44.2	1.18	83.5	32.2	5.4	3.9
PHY 480W3FE	756	44.1	1.15	84.6	30.7	6.6	3.8
PHY 400W3FE	752	43.5	1.18	83.4	32.3	5.5	3.8
DG 3456B3XF	713	44.0	1.17	83.7	30.0	5.8	3.8
NG 5007B2XF	556	42.1	1.19	83.8	29.6	6.6	3.8
LSD (0.05)	218	1.8	0.03	1.1	1.5	0.3	0.4
C.V. (%)	17	3.0	1.98	0.9	3.4	4.0	7.5
Trial Mean	921	42.4	1.19	83.8	31.2	6.0	3.9

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

Location: Pee Dee Research & Education Center
 Soil Type: Noboco Loamy Sand
 GPS Coordinates: lat: 34.291328; long: -79.741808
 Planted: April 28, 2020
 Harvested: October 8, 2020

Table 4. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown at PDREC located in Florence, SC, in 2020. Late-Maturity Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DP 1646B2XF	1457	44.6	1.21	82.6	29.2	7.3	4.2
PX 4B08W3FE	1423	44.9	1.11	82.5	31.0	6.8	4.0
DP 1916B3XF	1410	43.3	1.20	82.8	29.5	7.3	3.9
DP 2038B3XF	1349	45.7	1.11	82.4	29.3	6.2	4.4
PHY 500W3FE	1339	45.5	1.11	82.5	31.3	6.0	3.8
PHY 400W3FE	1337	44.0	1.15	82.3	31.3	6.2	4.0
PHY 390W3FE	1334	42.4	1.16	82.6	31.6	6.2	3.7
DP 2055B3XF	1327	44.0	1.22	82.8	30.0	7.2	4.1
BX 2194B3XF	1290	40.7	1.17	82.2	29.6	7.0	3.2
BX 2192B3XF	1287	42.3	1.26	84.1	32.5	5.6	3.9
PHY 350W3FE	1280	41.7	1.15	83.0	30.4	6.6	4.1
NG 3729B2XF	1278	40.7	1.17	83.7	29.9	7.0	4.3
DP 1840B3XF	1271	42.2	1.19	82.1	30.4	7.0	3.8
PHY 480W3FE	1253	43.6	1.11	83.1	29.0	7.2	3.8
PHY 580W3FE	1238	44.9	1.14	82.8	30.0	6.8	3.9
DG 3520B3XF	1230	39.5	1.23	83.8	31.3	7.5	3.5
ARMOR 9831B3XF	1229	43.9	1.13	81.6	30.5	7.0	4.4
PHY 443W3FE	1215	44.7	1.11	83.1	31.8	6.4	4.1
ST 5600B2XF	1209	44.0	1.12	82.6	30.9	7.0	4.8
DP 1851B3XF	1196	44.5	1.13	82.6	32.5	7.6	4.0
DG 3615B3XF	1190	41.8	1.12	82.8	30.4	6.9	4.1
ST 6182GLT	1187	45.2	1.13	82.8	28.4	6.4	4.4
NG 4936B3XF	1186	40.4	1.21	83.6	30.1	7.1	3.9
DGX 1901SEGLTP	1176	43.4	1.15	83.1	30.9	7.0	4.2
DP 19R237B3XF	1167	41.9	1.24	84.2	32.6	5.8	4.1
DG H959B3XF	1165	41.2	1.17	81.9	31.2	6.7	3.9
NG 4098B3XF	1162	40.5	1.21	82.9	34.7	6.4	4.0
PX 5E28W3FE	1160	40.4	1.15	82.7	31.8	6.7	3.6
NG 3195B3XF	1144	43.6	1.13	82.8	30.2	5.9	3.9
DGX 197312GLTP	1132	44.4	1.14	81.1	29.7	6.5	4.3
ST 5091B3XF	1129	43.8	1.13	81.7	28.7	5.8	3.9
DG 3555B3XF	1128	42.0	1.21	84.1	31.0	7.3	3.8
DG 1702GLT	1112	42.1	1.12	81.3	30.2	6.5	4.0
DG 3570B3XF	1106	42.0	1.14	83.3	30.3	7.1	4.4
ST 4990B3XF	1100	42.0	1.17	83.5	29.9	6.6	4.2
ARMOR 9608B3XF	1100	45.5	1.13	81.0	28.3	5.6	4.1
PHY 545W3FE	1075	45.1	1.11	82.3	29.6	7.0	3.9
DGX 19052B3XF	1071	42.6	1.17	83.7	31.5	7.1	3.9
ST 5471GLTP	1031	42.9	1.14	81.7	30.3	6.5	4.3
NG 3522B2XF	1029	42.9	1.10	82.3	28.3	6.1	4.2
ST 4993B3XF	1013	43.3	1.12	82.9	31.1	6.6	4.2
PHY 332W3FE	1013	42.4	1.16	82.1	30.8	6.6	3.9
ST 5610B3XF	1001	45.0	1.12	83.0	30.5	6.6	4.2
NG 3930B3XF	991	41.7	1.15	82.6	28.8	6.5	3.9
ARMOR 3885B2XF	980	44.1	1.12	83.0	29.0	7.0	4.4
PX 5E34W3FE	979	39.9	1.17	82.7	30.9	6.5	3.5
NG 5007B2XF	969	41.3	1.13	82.2	28.4	6.9	4.1
AMX 19A016B3XF	963	40.5	1.14	81.6	28.3	7.6	3.8
NG 5150B3XF	958	42.5	1.16	81.5	30.0	6.0	3.9
ARMOR 9371B3XF	943	44.4	1.12	83.3	29.1	6.1	4.2
AMX 19A018B3XF	910	40.8	1.14	82.6	30.6	7.5	4.1
NG 5711B3XF	904	42.8	1.16	82.2	30.7	6.8	4.3
AMX 19A014B3XF	887	40.2	1.15	81.9	28.6	7.1	3.9
AMX 19A015B3XF	816	38.9	1.19	83.0	29.9	7.3	3.7
LSD (0.05)	274	2.1	0.04	1.4	1.6	0.4	0.4
C.V. (%)	17	3.4	2.59	1.2	3.8	3.8	6.3
Trial Mean	1145	42.8	1.15	82.6	30.3	6.7	4.0

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

Location: Pee Dee Research & Education Center
 Soil Type: Norfolk Loamy Sand
 GPS Coordinates: lat: 34.295951; long: -79.746997
 Planted: May 13, 2020
 Harvested: November 3, 2020

Table 2. Lint Yield, Gin Turnout, and Fiber Quality of Late-Maturing Cotton Varieties Grown at PDREC located in Florence, 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
ST 5471GLTP	1491	43.0	1.17	83.4	31.4	6.3	4.2
ARMOR 9371B3XF	1474	45.0	1.15	83.4	30.8	6.1	4.3
NG 5150B3XF	1419	44.8	1.20	83.8	30.4	6.0	4.4
DP 1916B3XF	1374	44.4	1.23	84.7	31.0	6.8	4.3
ST 6182GLT	1343	45.1	1.18	83.4	29.9	6.0	4.2
NG 3729B2XF	1319	42.4	1.17	83.6	29.9	6.5	4.3
PX 4B08W3FE	1310	45.2	1.13	83.7	31.1	6.6	4.3
AMX 19A016B3XF	1286	39.6	1.17	83.6	29.6	7.3	3.9
BX 2192B3XF	1271	41.6	1.25	84.5	32.9	6.0	4.1
DGX 197312GLTP	1248	43.7	1.19	82.7	30.8	6.4	4.3
DG H959B3XF	1234	43.2	1.18	83.4	31.8	6.4	4.2
ARMOR 3885B2XF	1230	43.2	1.15	83.5	29.6	7.0	4.3
ST 5091B3XF	1214	44.7	1.16	83.2	30.5	6.0	4.1
DP 19R237B3XF	1201	43.7	1.25	85.2	32.1	5.9	4.4
PHY 390W3FE	1198	42.2	1.19	83.1	31.6	5.9	3.9
ST 4990B3XF	1196	41.6	1.24	84.1	31.5	6.2	4.1
NG 3195B3XF	1195	42.7	1.15	83.7	30.7	5.9	4.2
DG 1702GLT	1194	41.0	1.16	82.8	31.1	6.3	3.9
DP 2038B3XF	1172	46.0	1.11	81.5	30.1	6.1	4.5
ST 5600B2XF	1168	43.1	1.18	84.2	30.8	7.1	4.7
NG 5711B3XF	1167	42.7	1.22	83.3	32.2	6.2	4.2
PHY 545W3FE	1156	44.7	1.11	83.0	30.7	6.8	4.1
PX 5E34W3FE	1150	41.0	1.18	83.1	32.4	6.4	3.6
PHY 400W3FE	1148	43.7	1.19	83.6	32.3	6.0	4.1
PHY 580W3FE	1137	42.8	1.14	82.7	30.6	6.9	4.1
PHY 480W3FE	1133	42.2	1.17	83.4	30.3	6.9	4.0
PHY 443W3FE	1124	45.6	1.13	83.5	31.8	6.5	4.1
PHY 332W3FE	1118	42.6	1.18	83.0	31.4	6.4	4.2
ARMOR 9608B3XF	1113	44.3	1.16	83.1	29.7	5.8	4.0
AMX 19A014B3XF	1111	40.5	1.20	84.0	30.5	6.8	4.0
DG 3520B3XF	1110	40.5	1.24	84.7	31.9	7.3	3.6
ST 5610B3XF	1101	44.1	1.18	84.0	32.0	6.7	4.1
PHY 350W3FE	1094	42.3	1.16	83.1	31.2	6.6	4.1
BX 2194B3XF	1090	40.4	1.20	82.5	30.3	6.8	3.3
NG 3930B3XF	1085	41.4	1.17	83.0	30.6	6.5	3.8
DG 3615B3XF	1079	44.3	1.16	83.1	31.7	6.6	4.3
DGX 19052B3XF	1069	43.6	1.18	84.2	32.5	6.7	4.3
DG 3555B3XF	1068	41.5	1.21	84.9	32.1	7.0	4.0
NG 4936B3XF	1045	41.2	1.22	84.6	30.6	6.7	4.2
ST 4993B3XF	1043	43.5	1.16	84.0	33.3	6.7	4.3
DP 1646B2XF	1017	44.7	1.21	83.3	32.8	6.7	4.2
NG 4098B3XF	1017	40.4	1.25	84.8	33.8	6.2	3.9
NG 3522B2XF	1009	44.5	1.16	83.9	29.8	6.3	4.3
AMX 19A015B3XF	1008	38.5	1.21	83.5	30.0	7.3	3.8
NG 5007B2XF	1007	43.5	1.17	83.9	30.4	6.6	4.3
PX 5E28W3FE	1002	40.7	1.17	83.4	31.9	6.6	3.7
DP 1851B3XF	999	41.9	1.21	84.4	33.3	7.5	3.9
PHY 500W3FE	992	43.7	1.21	84.4	33.3	5.8	3.9
DG 3570B3XF	985	42.5	1.15	83.3	31.0	6.7	4.6
AMX 19A018B3XF	971	41.5	1.15	83.1	30.4	6.8	4.2
DP 1840B3XF	961	43.7	1.18	82.9	31.4	6.6	4.1
ARMOR 9831B3XF	902	43.2	1.18	83.5	31.9	6.9	4.3
DGX 1901SEGLTP	881	45.2	1.18	84.8	31.5	6.7	4.6
DP 2055B3XF	800	43.8	1.23	83.4	30.6	7.3	4.4
LSD (0.05)	243	2.5	0.04	1.3	1.8	0.5	0.3
C.V. (%)	15	4.2	2.62	1.1	4.2	5.7	4.9
Trial Mean	1134	42.9	1.18	83.6	31.2	6.5	4.1

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

Location: Pee Dee Research & Education Center
 Soil Type: Norfolk Loamy Sand
 GPS Coordinates: lat: 34.297497; long: -79.742630
 Planted: May 4, 2020
 Harvested: October 20, 2020