

Table 2. Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at the PDREC located in Florence, SC, in 2022. Irrigated OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
ST 5091B3XF	1505	44.5	1.19	83.3	31.0	6.9	4.9
DP 2127B3XF	1456	44.6	1.17	83.1	31.8	6.7	5.2
ST 5600B2XF	1455	44.8	1.18	83.5	31.4	7.0	5.3
PX 1150B437-04W3FE	1443	43.2	1.17	83.7	31.7	6.7	5.0
PHY 400W3FE	1427	44.2	1.18	83.6	31.7	6.9	4.9
PHY 415W3FE	1417	44.6	1.19	82.9	32.4	6.7	4.9
DP 2115B3XF	1415	44.4	1.17	82.7	30.7	7.1	5.2
PHY 545W3FE	1414	44.7	1.17	83.1	32.2	6.8	4.9
PX 1140B373-04W3FE	1412	44.3	1.21	83.5	32.4	7.2	4.9
BX 2396B3XF	1401	44.1	1.22	82.5	31.5	7.3	5.0
DG 3799B3XF	1395	43.1	1.21	83.6	31.8	7.6	4.8
PX 1130B333-04W3FE	1379	43.4	1.18	83.2	32.6	6.9	5.0
PX 1140B335-04W3FE	1377	45.2	1.20	83.1	32.3	6.9	5.0
BX 2392B3XF	1375	44.9	1.19	82.6	30.3	6.9	4.9
DP 2141NRB3XF	1367	44.5	1.18	83.0	31.2	7.0	4.9
DP 2012B3XF	1365	45.0	1.19	84.0	31.8	7.1	4.9
PHY 443W3FE	1356	45.0	1.14	82.4	31.1	6.9	5.0
DP 2020B3XF	1342	44.4	1.18	82.7	30.0	6.6	4.8
PX 1150A450-04W3FE	1339	43.2	1.16	82.5	31.2	7.3	5.0
BX 2398B3XF	1335	44.5	1.20	84.0	30.9	7.1	5.0
ARMOR 9831B3XF	1330	44.2	1.18	82.9	32.8	7.2	5.1
DG 3456B3XF	1318	44.1	1.20	83.1	31.2	6.8	5.0
NG 3195B3XF	1317	42.8	1.20	82.6	32.1	6.9	5.0
PHY 332W3FE	1310	44.4	1.17	83.3	31.7	6.6	5.3
PHY 360W3FE	1305	44.0	1.16	82.5	31.1	6.9	4.9
DG H959B3XF	1288	43.6	1.21	84.2	31.9	6.8	5.2
DG 3511B3XF	1287	44.9	1.16	82.5	31.6	7.1	5.1
NG 3299B3XF	1287	45.2	1.16	82.7	30.1	6.7	4.9
DP 2038B3XF	1278	45.0	1.16	82.4	31.7	6.7	5.2
DP 20R745NRB3XF	1263	42.9	1.22	83.5	32.6	6.6	4.8
BX 2394B3XF	1258	43.4	1.20	83.9	32.5	7.3	5.2
PHY 411W3FE	1250	44.4	1.16	82.7	31.4	7.0	5.0
NG 4190B3XF	1250	44.6	1.20	83.1	30.9	6.9	5.0
ST 4990B3XF	1247	43.5	1.21	83.6	31.2	7.3	4.8
ARMOR 9371B3XF	1245	44.0	1.17	82.3	30.5	6.7	5.0
DP 2239B3XF	1238	44.8	1.20	82.4	30.6	7.6	5.1
DP 2333B3XF	1235	44.6	1.21	82.5	31.5	6.9	5.1
DG 3528B3XF	1210	43.7	1.15	82.5	32.0	6.9	5.3
NG 5150B3XF	1191	42.2	1.18	82.9	31.5	7.0	5.1
PX 1130B336-04W3FE	1187	44.6	1.17	83.5	31.7	7.0	4.8
DG 3519B3XF	1184	44.4	1.19	83.6	33.1	7.0	4.9
ST 4595B3XF	1158	43.5	1.21	83.5	32.3	7.2	5.2
DP 1646B2XF	1141	43.6	1.19	83.4	31.0	7.8	5.1
DP 2349NRB3XF	1129	43.4	1.18	83.6	31.5	7.0	5.1
LSD (0.05)	233	2.1	0.05	1.6	2.0	0.8	0.3
C.V. (%)	13	3.4	2.89	1.4	4.5	7.7	4.8
Trial Mean	1316	44.2	1.18	83.1	31.5	7.0	5.0

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: 34.296786 long: -79.744398
 Planted: May 2, 2022
 Harvested: October 5, 2022