

Table 4 Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown in Clarendon County at Alcolu, SC, in 2022. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
PX 1140B373-04W3FE	1785	43.3	1.20	83.1	29.2	7.2	3.8
BX 2394B3XF	1751	43.5	1.23	84.0	28.4	7.5	3.4
DP 2115B3XF	1750	43.3	1.21	83.5	31.0	7.0	3.7
DG H959B3XF	1721	43.0	1.20	83.9	30.2	7.4	3.7
DP 2020B3XF	1713	43.6	1.18	83.5	29.5	6.4	3.9
DP 2349NRB3XF	1641	43.9	1.20	84.5	28.4	7.0	4.0
DP 2141NRB3XF	1628	43.2	1.21	81.4	29.2	7.2	3.8
PHY 443W3FE	1627	42.6	1.17	83.6	30.8	6.8	3.7
NG 5150B3XF	1623	42.8	1.20	84.9	30.7	7.2	4.0
PX 1150B437-04W3FE	1622	42.5	1.21	84.0	31.5	6.8	3.6
PHY 360W3FE	1621	41.8	1.17	82.8	29.3	7.2	3.7
DG 3456B3XF	1615	44.5	1.16	82.8	30.0	7.1	4.0
DG 3799B3XF	1606	43.1	1.19	84.0	30.0	6.9	3.9
DP 2239B3XF	1596	42.4	1.20	82.7	29.6	7.1	3.8
ST 4595B3XF	1592	42.9	1.18	83.1	29.4	7.1	3.7
NG 3195B3XF	1589	42.8	1.20	83.6	29.8	7.4	3.7
PX 1130B333-04W3FE	1586	43.7	1.18	84.4	29.8	7.7	4.0
DP 2038B3XF	1584	42.7	1.21	83.1	30.3	7.2	3.7
DP 20R745NRB3XF	1583	41.6	1.23	83.7	30.3	7.0	3.7
PHY 415W3FE	1583	43.4	1.18	84.2	29.7	7.1	4.0
PX 1130B385-04W3FE	1561	42.9	1.22	83.8	30.3	6.9	3.5
PHY 332W3FE	1561	43.2	1.20	83.2	29.5	7.3	3.8
DG 3511B3XF	1559	42.8	1.19	83.5	30.3	6.9	3.7
ARMOR 9831B3XF	1551	43.6	1.21	84.0	30.5	7.1	3.6
BX 2396B3XF	1543	42.5	1.19	84.1	30.6	6.8	3.8
DP 2333B3XF	1542	43.7	1.20	82.9	29.5	7.7	3.9
DP 1646B2XF	1528	43.3	1.19	83.0	29.5	7.0	3.5
BX 2398B3XF	1526	41.5	1.22	83.8	29.7	7.4	3.7
DP 2127B3XF	1523	43.4	1.16	82.7	30.0	7.1	3.5
DP 2012B3XF	1520	43.5	1.20	83.7	29.2	7.6	3.8
DG 3519B3XF	1499	42.2	1.24	83.1	29.9	7.0	3.8
PHY 411W3FE	1484	41.4	1.19	84.3	29.9	7.2	3.6
ST 4990B3XF	1470	43.6	1.19	84.0	30.4	7.7	3.7
BX 2392B3XF	1464	42.7	1.19	83.7	29.1	7.2	3.6
PHY 545W3FE	1462	42.5	1.20	83.4	31.2	7.2	3.7
NG 3299B3XF	1461	42.4	1.17	83.7	30.8	7.2	3.7
PHY 400W3FE	1429	40.9	1.20	84.6	30.8	7.5	3.7
PX 1130B336-04W3FE	1426	42.4	1.21	83.4	30.3	7.2	3.7
ST 5091B3XF	1382	42.9	1.21	83.9	29.6	7.0	3.9
PX 1150A450-04W3FE	1350	44.1	1.21	83.4	28.5	7.8	3.6
NG 4190B3XF	1262	43.1	1.18	82.6	29.9	6.9	3.6
DG 3528B3XF	1223	43.2	1.18	83.2	29.8	6.7	3.6
ARMOR 9371B3XF	1204	43.2	1.21	83.1	29.9	7.1	3.6
ST 5600B2XF	1148	42.9	1.17	83.8	28.6	7.3	3.8
LSD (0.05)	265	2.0	0.05	1.7	1.8	0.6	0.4
C.V. (%)	12	3.3	2.8	1.4	4.4	6.2	6.9
Trial Mean	1534	42.9	1.2	83.5	29.9	7.1	3.7

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

Location: Sam Durant Farm, Alcolu, SC

Soil Type: Norfolk Sandy Loam

Planted: May 25, 2022

Harvested: November 17, 2022