

Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at the Allen Farms
located in Latta, SC, in 2021. Dryland OVT. M. Jones.

Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
DP 2127B3XF	1839	45.2	1.14	84.1	29.2	6.9	4.9
PHY 545W3FE	1774	45.5	1.15	82.5	30.5	7.3	4.6
PHY 443W3FE	1761	45.1	1.14	83.3	31.1	6.9	4.7
NG 3195B3XF	1759	43.9	1.14	84.0	29.8	6.6	4.5
NG 4190B3XF	1758	43.3	1.16	83.0	29.8	6.8	4.3
PX 1140A385-04W3FE	1751	45.8	1.14	84.8	31.5	7.8	4.7
PX 1140A383-04W3FE	1741	43.4	1.18	83.5	32.4	6.6	4.6
DP 2141NRB3XF	1739	44.9	1.15	82.7	31.3	6.9	4.8
ARMOR 9371B3XF	1706	45.1	1.14	83.4	29.3	6.5	4.7
PHY 360W3FE	1688	43.1	1.15	82.2	29.6	6.4	4.6
DP 2115B3XF	1683	45.1	1.14	83.1	29.1	7.5	4.7
BX 2297B3XF	1634	44.3	1.14	82.0	28.3	7.2	4.7
DP 1646B2XF	1634	44.1	1.20	82.5	29.2	7.7	4.6
PHY 332W3FE	1622	42.4	1.18	82.9	30.3	7.3	4.5
DG 3570B3XF	1616	44.0	1.14	83.7	29.8	7.4	4.8
PHY 580W3FE	1594	44.7	1.18	83.0	31.1	7.3	4.5
PHY 500W3FE	1561	43.9	1.16	84.5	32.7	6.3	4.2
DG 3535B3XF	1559	43.5	1.18	83.4	30.1	6.5	4.5
DP 2055B3XF	1552	44.3	1.19	81.6	30.1	7.8	4.6
ST 4595B3FE	1551	44.6	1.15	82.7	28.8	7.3	4.6
ARMOR 9608B3XF	1547	46.5	1.10	81.6	27.7	6.3	4.4
PHY 400W3FE	1539	44.2	1.17	82.8	32.0	6.5	4.2
DG 3615B3XF	1535	43.5	1.13	82.0	29.9	7.1	4.5
DG 3456B3XF	1527	44.8	1.16	82.7	28.8	6.9	4.4
PHY 411W3FE	1525	44.4	1.12	83.6	30.1	7.1	4.8
DP 2038B3XF	1518	47.4	1.11	82.2	29.9	6.5	4.6
BX 2296B3XF	1510	44.9	1.17	83.5	30.1	7.3	4.9
PX 1130A329-04W3FE	1500	45.7	1.13	83.2	31.0	7.3	4.8
PHY 350W3FE	1500	41.1	1.15	84.3	30.2	7.0	4.4
BX 2298B3XF	1498	43.9	1.10	82.0	28.7	7.1	4.7
ST 5091B3XF	1489	44.1	1.17	83.2	29.6	6.4	4.3
PX 1150A452-04W3FE	1478	44.3	1.12	83.6	32.3	6.5	4.4
ST 4550GTLP	1470	45.9	1.15	83.9	30.8	7.2	4.7
NG 4936B3XF	1470	41.9	1.22	83.4	29.5	7.6	4.4
DG H959B3XF	1466	41.0	1.17	82.4	31.1	7.1	4.4
PX 1150A453-04W3FE	1464	43.8	1.14	84.1	34.4	6.3	4.7
PX 1150A450-04W3FE	1453	43.6	1.17	83.6	31.3	7.3	4.8
ST 4990B3XF	1449	42.8	1.20	83.1	29.9	7.4	4.5
ARMOR 9831B3XF	1428	44.7	1.14	82.3	30.4	7.6	4.6
NG 5150B3XF	1427	43.5	1.15	82.7	29.2	6.8	4.5
DP 1840B3XF	1419	43.0	1.17	82.3	30.7	7.1	4.4
PHY 390W3FE	1413	44.0	1.17	83.2	31.7	6.4	4.1
NG 3299B3XF	1408	44.7	1.14	84.0	31.7	6.6	4.8
DP 2020B3XF	1383	42.2	1.21	83.6	30.7	6.1	4.5
ST 4993B3XF	1382	43.9	1.16	83.5	31.1	7.3	5.1
DG 3799B3XF	1351	44.3	1.15	83.1	30.9	7.3	4.5
NG 5711B3XF	1324	42.8	1.20	82.7	30.7	7.2	4.3
NG 3930B3XF	1322	41.9	1.16	83.2	28.6	6.9	4.4
DP 2012B3XF	1279	43.1	1.16	83.0	29.7	6.4	4.6
LSD (0.05)	281	1.0	0.03	1.4	1.3	0.3	0.2
C.V. (%)	13	1.6	2.19	1.2	3.0	3.4	3.5
Trial Mean	1542	44.1	1.15	83.1	30.3	7.0	4.6

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

Location: Keith Allen Farm, Latta, SC
Soil Type: Dothan Loamy Fine Sand
GPS Coordinates: lat: 34.39147 ; long: -79.493126
Planted: May 17, 2021
Harvested: November 16, 2021