

TABLE . 2024 DRY LAND COTTON TRIAL - EDISTO REC - BLACKVILLE, SC

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
Dyna-Gro	DG 3615B3XF	1762	44.3	1.16	83.3	33.3	7.9	4.7
Deltapine	DP 2127B3XF	1685	43.6	1.10	81.8	30.1	7.6	4.9
Deltapine	DP 23R8029B3TXF	1674	48.0	1.17	84.8	34.9	9.0	4.9
BASF/Stoneville	ST 5855AXTP	1564	45.3	1.15	83.0	34.7	7.8	4.0
NexGen	NG 3195B3XF	1558	44.4	1.14	82.2	32.9	7.3	4.6
BASF/Stoneville	ST 6000AXTP	1557	44.6	1.18	84.1	34.6	8.4	4.2
NexGen	AMX 12502B3XF	1541	51.2	1.19	82.9	31.6	6.9	4.3
PhytoGen	PX 1150F361-04	1503	43.6	1.18	84.1	34.7	7.9	4.6
Dyna-Gro	DG 3528B3XF	1481	42.2	1.19	81.9	30.6	8.2	4.3
PhytoGen	PHY360W3FE	1478	46.9	1.15	83.9	32.4	7.4	4.4
PhytoGen	PX 1140F330-04	1474	45.9	1.16	85.0	33.9	8.7	4.7
Dyna-Gro	DG 3799B3XF	1473	45.7	1.19	84.7	34.9	8.4	4.4
PhytoGen	PX 1130F309-04	1468	42.0	1.14	83.6	32.8	7.9	4.5
Dyna-Gro	DG 4434B3TXF	1465	44.7	1.15	82.9	31.8	9.3	4.4
NexGen	AMX 12572B3TXF	1465	44.4	1.11	83.8	30.7	10.5	4.9
NexGen	NG 3457B3XF	1464	40.5	1.13	82.8	31.9	10.1	4.6
Deltapine	DP 2537 B3TXF	1452	44.6	1.14	84.0	33.1	9.5	4.7
BASF/Stoneville	ST 5931AXTP	1435	42.2	1.18	84.0	32.4	8.0	4.3
Deltapine	DP 2038B3XF	1434	43.2	1.09	81.1	30.3	7.4	4.6
PhytoGen	PHY411W3FE	1432	42.3	1.08	81.7	33.7	8.8	4.6
Deltapine	DP 2414B3TXF	1431	43.4	1.11	82.4	30.9	8.7	4.5
PhytoGen	PHY443W3FE	1416	45.4	1.10	84.1	34.3	8.1	4.5
PhytoGen	PX 1150F360-04	1413	40.7	1.22	83.7	36.0	8.3	4.5
Dyna-Gro	DG 4529B3TXF	1410	41.6	1.17	83.2	32.1	8.3	4.1
BASF/Stoneville	BX 2557AXTP	1403	43.7	1.20	85.1	35.9	7.0	4.6
BASF/Stoneville	BX 2556AXTP	1394	42.7	1.17	83.5	34.0	8.2	4.0
Deltapine	DP 2349NRB3XF	1391	43.3	1.13	83.1	31.3	8.1	4.6
NexGen	NG 5430B3XF	1388	39.1	1.20	85.6	34.1	8.6	4.6
PhytoGen	PHY400W3FE	1385	40.2	1.14	82.4	33.4	7.4	4.3
PhytoGen	PHY475W3FE	1376	38.6	1.16	83.8	36.5	8.1	4.7
Deltapine	DP 2333B3XF	1365	44.1	1.15	82.7	30.4	7.1	4.5
Armor	ARMOR 9831B3XF	1364	38.8	1.12	82.8	32.9	9.8	4.6
BASF/Stoneville	ST 4833AXTP	1359	41.4	1.13	82.5	31.1	6.9	4.3
Armor	ARMOR 9245 B3TXF	1354	46.4	1.17	83.4	30.2	6.6	4.2
PhytoGen	PHY332W3FE	1335	40.5	1.19	84.8	33.8	8.4	4.6
Deltapine	DP 2328B3TXF	1331	45.2	1.13	82.7	30.0	7.7	4.6
PhytoGen	PX 1140F331-04	1319	40.3	1.13	84.2	33.4	8.0	4.6
NexGen	AMX 12507B3TXF	1307	38.5	1.16	83.8	33.9	9.4	4.4
PhytoGen	PX 1140F329-04	1306	39.4	1.16	83.3	33.9	7.6	4.5
Deltapine	DP 2522NR B3TXF	1304	45.4	1.15	85.1	32.5	8.0	4.6
Deltapine	DP 23R9918B3TXF	1287	43.7	1.14	83.2	31.8	8.2	4.6
PhytoGen	PX 1150F357-04	1274	38.7	1.12	82.1	35.9	9.5	4.3
PhytoGen	PHY415W3FE	1270	40.1	1.17	82.2	33.6	7.7	4.4
PhytoGen	PHY545W3FE	1263	42.1	1.08	81.7	31.3	8.5	4.4
Deltapine	DP 2211B3TXF	1259	41.8	1.13	82.8	31.3	7.3	4.7
NexGen	AMX 12526B3XF	1256	42.7	1.15	83.8	33.5	10.9	4.7
AVERAGES		1416	43.0	1.15	83.3	32.8	8.2	4.5
L.S.D. (.10)		188.0	4.9	0.05	2.2	1.9	0.8	0.3
C.V. (%)		11.3	9.7	2.8	1.7	3.5	6.3	4.7
STD. ERROR OF ENTRY MEAN		80.3	DF=138					

Bold numbers are not statistically different at the 0.10 level of probability

Location: Edisto Research and Education Center, Blackville, SC

Soil Type: Barnwell Loamy Sand

GPS Coordinates: 33°21'20.59"N 81°18'22.74"W

Planted: May 16, 2024

Harvested: October 22, 2024

TABLE . 2024 IRRIGATED COTTON TRIAL - EDISTO REC - BLACKVILLE, SC

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
BASF/Stoneville	ST 5855AXTP	2202	45.6	1.15	83.0	33.1	8.1	4.0
Dyna-Gro	DG 3615B3XF	2180	41.4	1.20	83.9	34.4	8.0	4.6
BASF/Stoneville	ST 6000AXTP	2105	46.7	1.22	85.2	34.4	8.7	3.9
Deltapine	DP 23R8029B3TXF	2041	43.1	1.20	84.9	34.1	8.9	4.9
NexGen	NG 5430B3XF	2012	42.9	1.21	83.8	32.9	8.3	4.7
Dyna-Gro	DG 4434B3TXF	2002	43.4	1.16	82.5	30.6	8.9	4.7
Deltapine	DP 2127B3XF	1992	40.9	1.15	83.1	31.8	7.2	4.5
Dyna-Gro	DG 3799B3XF	1988	42.0	1.18	84.2	34.4	7.9	4.4
NexGen	AMX 12502B3XF	1958	43.3	1.24	85.2	32.5	6.4	4.4
Dyna-Gro	DG 3528B3XF	1929	41.5	1.18	83.1	30.0	8.1	4.3
Deltapine	DP 2038B3XF	1919	44.4	1.14	82.5	33.0	7.3	4.5
Deltapine	DP 2211B3TXF	1898	43.5	1.16	82.6	30.2	7.0	4.5
BASF/Stoneville	BX 2557AXTP	1893	45.9	1.21	84.4	35.0	6.8	4.3
BASF/Stoneville	ST 5931AXTP	1887	40.2	1.21	84.8	32.5	8.1	3.9
Dyna-Gro	DG 4529B3TXF	1886	39.4	1.17	84.1	32.3	8.1	4.2
Armor	ARMOR 9831B3XF	1865	41.5	1.18	82.5	32.5	9.4	4.5
PhytoGen	PHY400W3FE	1861	42.5	1.15	82.6	33.0	7.5	4.0
Deltapine	DP 2333B3XF	1858	41.9	1.17	84.1	30.8	7.4	4.4
PhytoGen	PHY411W3FE	1855	45.8	1.17	84.3	33.1	9.4	4.3
Deltapine	DP 2414B3TXF	1849	43.5	1.20	84.6	31.8	8.7	4.2
Deltapine	DP 23R9918B3TXF	1843	45.2	1.13	83.3	31.4	7.5	4.6
PhytoGen	1150F360-04	1811	41.8	1.19	83.7	33.8	8.2	4.0
PhytoGen	1130F309-04	1807	40.1	1.13	82.7	32.5	7.6	4.4
NexGen	NG 3195B3XF	1793	42.6	1.11	82.2	30.6	7.2	4.3
BASF/Stoneville	ST 4833AXTP	1750	41.2	1.22	85.0	32.6	6.3	4.0
Deltapine	DP 2522NR B3TXF	1730	42.6	1.15	82.9	29.5	8.4	4.1
NexGen	AMX 12507B3TXF	1717	43.4	1.19	84.6	32.6	8.5	4.4
Deltapine	DP 2349NRB3XF	1716	40.5	1.16	82.8	31.3	8.1	4.4
Armor	ARMOR 9245 B3TXF	1710	41.9	1.18	84.5	32.1	5.6	4.2
PhytoGen	1150F361-04	1700	41.4	1.20	84.7	34.3	8.1	4.1
PhytoGen	PHY475W3FE	1694	43.6	1.13	83.9	34.9	8.2	4.3
PhytoGen	1140F331-04	1688	44.2	1.17	83.9	34.2	8.0	4.1
Deltapine	DP 2537 B3TXF	1684	41.1	1.14	83.5	31.8	9.8	4.6
Deltapine	DP 2328B3TXF	1654	43.4	1.16	82.6	29.7	7.2	4.4
NexGen	AMX 12526B3XF	1653	43.9	1.10	81.7	31.3	10.8	4.5
BASF/Stoneville	BX 2556AXTP	1645	39.2	1.22	83.7	33.9	7.9	3.8
PhytoGen	PHY443W3FE	1633	42.1	1.15	83.4	33.9	8.5	4.4
NexGen	AMX 12572B3TXF	1618	41.3	1.13	82.5	30.4	10.4	4.5
PhytoGen	1140F329-04	1606	41.0	1.18	84.5	33.4	7.5	4.1
NexGen	NG 3457B3XF	1603	36.9	1.20	84.5	32.3	9.0	4.1
PhytoGen	PHY360W3FE	1601	39.6	1.17	83.1	31.4	7.6	4.2
PhytoGen	1140F330-04	1570	40.7	1.18	83.3	32.1	7.8	4.1
PhytoGen	1150F357-04	1537	41.6	1.14	84.0	35.2	10.0	4.0
PhytoGen	PHY415W3FE	1514	40.2	1.21	83.9	34.1	8.4	4.1
PhytoGen	PHY545W3FE	1510	40.1	1.14	82.9	31.5	8.6	4.0
PhytoGen	PHY332W3FE	1413	39.0	1.19	83.6	34.1	8.2	4.0
AVERAGES		1789	42.2	1.17	83.6	32.5	8.1	4.3
L.S.D. (.10)		248	3.5	0.05	2.1	1.9	0.7	0.3
C.V. (%)		11.8	7.3	2.4	1.5	3.5	5.6	5.0
STD. ERROR OF ENTRY MEAN		105.9	DF=138					

Bold numbers are not statistically different at the 0.10 level of probability

Location: Edisto Research and Education Center, Blackville, SC

Soil Type: Barnwell Loamy Sand

GPS Coordinates: 33° 20'50.93" N 81° 18'17.08" W

Planted: May 16, 2024

Harvested: October 22, 2024

Table: Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at Durant Farm
Alcolu, SC, in 2024. Dryland OVT. M. Jones.

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
Deltapine	DP 2127B3XF	1724	44.3	1.15	82.6	29.0	6.2	4.7
BASF/Stoneville	ST 6000AXTP	1679	45.9	1.20	82.2	31.9	6.5	3.7
BASF/Stoneville	ST 5855AXTP	1600	46.7	1.18	82.3	31.3	6.6	4.1
NexGen	NG 3195B3XF	1589	43.8	1.17	83.3	31.1	6.2	4.5
NexGen	NG 3457B3XF	1588	42.4	1.19	82.6	30.0	7.5	4.3
BASF/Stoneville	ST 4833AXTP	1544	42.3	1.23	82.8	31.3	5.7	4.2
Dyna-Gro	DG 4434B3TXF	1539	45.4	1.19	80.5	28.6	7.7	3.8
BASF/Stoneville	ST 5931AXTP	1513	43.5	1.21	81.5	30.1	6.7	4.1
Deltapine	DP 2038B3XF	1505	45.8	1.13	81.0	29.3	6.2	4.4
Deltapine	DP 2349NRB3XF	1491	43.1	1.16	82.4	29.2	6.6	4.4
Phytogen	PHY 400W3FE	1490	43.7	1.18	82.6	31.9	6.4	4.1
Armor	ARMOR 9831B3XF	1484	43.3	1.17	80.9	29.7	7.5	4.5
NexGen	AMX 12526B3XF	1477	45.6	1.21	83.8	30.9	8.1	4.4
Phytogen	PHY 411W3FE	1440	44.9	1.14	83.1	31.3	7.0	3.9
Deltapine	DP 2414B3TXF	1434	44.0	1.18	83.1	29.6	7.1	4.3
NexGen	NG 5430B3XF	1427	41.8	1.19	82.9	30.9	6.8	4.5
Deltapine	DP 23R9918B3TXF	1421	45.5	1.16	82.4	30.3	6.4	4.3
Deltapine	DP 2537 B3TXF	1412	46.0	1.17	82.6	30.9	7.6	4.7
NexGen	AMX 12507B3TXF	1402	41.3	1.22	82.0	30.2	7.7	3.5
NexGen	AMX 12572B3TXF	1399	44.9	1.13	82.3	28.0	8.0	4.3
Phytogen	PHY 415W3FE	1379	43.5	1.18	81.9	31.6	6.8	3.9
Phytogen	1150F360-04	1373	43.0	1.23	82.8	31.9	6.6	3.7
Phytogen	PHY 475W3FE	1373	42.1	1.15	82.0	31.8	6.6	4.4
Phytogen	1150F361-04	1372	43.7	1.23	82.3	32.1	6.7	3.7
Dyna-Gro	DG 3528B3XF	1369	42.2	1.20	82.3	29.2	7.0	3.6
Phytogen	1130F309-04	1369	42.7	1.18	83.1	30.9	6.4	4.4
Armor	ARMOR 9245 B3TXF	1364	44.6	1.16	81.8	29.5	5.7	3.6
Deltapine	DP 23R8029B3TXF	1363	45.7	1.18	82.7	30.7	7.4	4.7
Phytogen	1150F357-04	1359	43.6	1.14	81.5	30.2	7.7	3.4
BASF/Stoneville	BX 2556AXTP	1341	43.2	1.19	80.7	30.8	6.5	3.5
Phytogen	PHY 545W3FE	1314	45.2	1.12	81.8	29.9	6.9	3.8
Dyna-Gro	DG 4529B3TXF	1306	44.8	1.19	82.2	30.3	6.7	4.5
Phytogen	1140F329-04	1293	44.5	1.17	81.3	29.8	6.5	3.7
Deltapine	DP 2211B3TXF	1287	44.6	1.18	82.3	30.0	6.1	4.4
Phytogen	PHY 443W3FE	1278	44.2	1.15	83.0	31.4	6.4	4.4
NexGen	AMX 12502B3XF	1255	43.9	1.19	81.7	30.2	6.1	3.8
Deltapine	DP 2333B3XF	1254	44.0	1.17	82.4	31.3	6.0	4.3
Phytogen	1140F330-04	1230	43.9	1.17	80.8	29.6	6.7	3.5
Deltapine	DP 2328B3TXF	1178	45.3	1.17	81.0	28.7	6.4	4.0
Phytogen	PHY 332W3FE	1177	41.9	1.20	82.3	30.3	6.9	3.9
Phytogen	PHY 360W3FE	1166	41.8	1.15	80.3	28.6	6.5	3.4
Dyna-Gro	DG 3615B3XF	1154	42.3	1.18	81.6	30.3	6.8	4.4
Deltapine	DP 2522NR B3TXF	1151	44.0	1.14	81.6	28.5	6.7	4.0
Phytogen	1140F331-04	1141	44.5	1.17	82.1	30.3	6.7	4.0
BASF/Stoneville	BX 2557AXTP	1041	44.8	1.19	82.5	32.3	6.0	4.4
Dyna-Gro	DG 3799B3XF	981	42.3	1.16	80.8	27.9	6.8	4.1
LSD (0.05)		278	1.3	0.03	1.5	1.7	0.3	0.4
C.V. (%)		15	2.2	1.80	1.3	4.1	2.7	6.3
Trial Mean		1366	43.9	1.18	82.1	30.3	6.7	4.1

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

Location: Alcolu, SC

GPS Coordinates: lat: 33.793539; long: -80.144300

Planted: May 13, 2024

Harvested: November 25, 2024

Table: Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at Hunsucker Farm
Bennettsville, SC, in 2024. Dryland OVT. M. Jones.

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
Deltapine	DP 2522NR B3TXF	944	44.1	1.11	81.4	26.6	7.2	4.8
Phytogen	PX 1140F329-04	932	43.8	1.13	81.9	28.9	6.9	4.7
Phytogen	PX 1140F331-04	929	47.0	1.15	83.3	30.2	6.6	4.9
Armor	ARMOR 9245 B3TXF	894	44.5	1.11	81.2	27.8	6.0	4.4
Deltapine	DP 2414B3TXF	878	44.5	1.14	81.5	27.3	7.7	4.5
Phytogen	PX 1130F309-04	875	42.6	1.14	82.6	29.3	6.6	4.8
Phytogen	PX 1140F330-04	851	43.5	1.16	82.2	28.4	6.8	4.8
Phytogen	PHY 411W3FE	845	44.0	1.08	81.8	28.7	7.3	4.8
Phytogen	PX 1150F361-04	816	42.8	1.16	82.8	29.9	6.8	4.8
Deltapine	DP 23R8029B3TXF	796	44.7	1.17	82.6	28.9	7.9	5.2
Deltapine	DP 23R9918B3TXF	784	45.1	1.11	81.4	27.9	7.0	4.7
Phytogen	PX 1150F360-04	782	42.8	1.18	82.9	30.6	6.8	4.9
Dyna-Gro	DG 3528B3XF	779	43.3	1.17	82.1	27.7	7.4	4.4
Deltapine	DP 2127B3XF	769	42.9	1.14	82.9	28.6	6.6	5.0
Deltapine	DP 2211B3TXF	768	43.2	1.15	82.1	28.2	6.6	4.7
NexGen	AMX 12502B3XF	768	44.0	1.19	82.3	27.8	6.4	4.4
NexGen	NG 3457B3XF	766	42.1	1.15	82.2	28.5	7.8	4.5
Phytogen	PHY 443W3FE	766	42.2	1.13	83.0	30.5	6.9	4.7
Dyna-Gro	DG 3615B3XF	761	43.2	1.17	83.0	29.6	7.1	4.9
Phytogen	PHY 400W3FE	758	43.2	1.12	81.3	28.7	6.7	4.6
Dyna-Gro	DG 4434B3TXF	756	44.9	1.14	81.6	27.5	8.3	4.6
Phytogen	PHY 360W3FE	748	42.4	1.14	81.1	27.5	6.8	4.7
Deltapine	DP 2537 B3TXF	742	45.5	1.13	82.9	28.3	8.2	5.0
Deltapine	DP 2038B3XF	729	45.1	1.11	81.2	28.5	6.6	4.9
NexGen	NG 5430B3XF	728	43.2	1.19	82.4	29.4	7.2	4.8
NexGen	NG 3195B3XF	725	43.8	1.13	82.0	28.3	6.7	4.7
BASF/Stoneville	ST 5931AXTP	712	42.7	1.18	82.9	28.8	7.1	4.4
Phytogen	PHY 415W3FE	709	43.1	1.17	82.5	29.9	6.7	4.7
Deltapine	DP 2328B3TXF	698	44.5	1.15	82.0	26.7	6.8	4.5
Phytogen	PHY 475W3FE	693	41.0	1.12	82.0	30.2	7.0	4.9
Deltapine	DP 2349NRB3XF	682	43.0	1.13	81.5	28.5	6.9	4.6
Deltapine	DP 2333B3XF	678	43.1	1.13	81.6	27.2	6.5	4.6
Phytogen	PHY 332W3FE	677	41.6	1.17	82.1	29.2	7.0	4.7
Armor	ARMOR 9831B3XF	635	42.8	1.14	81.8	28.9	7.9	4.9
BASF/Stoneville	BX 2556AXTP	630	42.3	1.19	82.3	30.2	6.9	4.1
Dyna-Gro	DG 4529B3TXF	625	44.7	1.15	81.8	29.0	7.1	4.6
BASF/Stoneville	ST 5855AXTP	609	45.4	1.13	82.4	29.0	7.0	4.3
Phytogen	PX 1150F357-04	602	43.4	1.11	83.3	30.7	7.7	4.8
NexGen	AMX 12572B3TXF	601	45.7	1.07	81.2	25.8	8.4	4.9
NexGen	AMX 12507B3TXF	593	40.1	1.16	81.3	27.7	8.0	4.5
NexGen	AMX 12526B3XF	593	43.8	1.13	81.8	27.8	8.8	4.7
BASF/Stoneville	ST 6000AXTP	586	46.1	1.17	82.2	29.8	7.1	4.4
BASF/Stoneville	ST 4833AXTP	537	40.4	1.19	82.6	29.4	6.1	4.5
Phytogen	PHY 545W3FE	529	43.3	1.10	81.7	28.2	7.5	4.6
Dyna-Gro	DG 3799B3XF	423	44.3	1.16	82.2	29.5	7.3	4.9
BASF/Stoneville	BX 2557AXTP	382	44.1	1.18	83.1	30.7	6.4	4.8
LSD (0.05)		149	2.1	0.03	1.3	1.4	0.3	0.2
C.V. (%)		15	3.4	1.94	1.2	3.4	3.2	3.3
Trial Mean		715	43.6	1.14	82.1	28.6	7.1	4.7

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

Location: Bennettsville, SC

GPS Coordinates: lat: 34.718294 ; long: -79.687681

Planted: May 23, 2024

Harvested: December 4, 2024

Table: Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at the PDREC
Florence, SC, in 2024. Dryland OVT. M. Jones.

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
Deltapine	DP 2038B3XF	1755	47.7	1.16	82.0	31.0	6.2	4.5
Deltapine	DP 2127B3XF	1734	45.6	1.17	84.3	31.1	6.5	4.8
Deltapine	DP 2349NRB3XF	1721	45.8	1.21	83.4	31.0	6.6	4.3
Deltapine	DP 23R8029B3TXF	1720	47.0	1.21	83.4	31.6	7.4	4.4
Deltapine	DP 2537 B3TXF	1710	45.8	1.19	84.1	31.9	7.8	4.4
Phytogen	PHY 475W3FE	1674	43.1	1.18	82.6	33.4	6.4	4.3
Phytogen	PX 1150F357-04	1668	44.9	1.21	84.4	34.0	7.6	4.0
NexGen	NG 5430B3XF	1661	45.4	1.22	83.9	32.9	6.7	4.4
BASF/Stoneville	ST 5855AXTP	1656	45.9	1.23	83.4	33.4	6.5	3.9
BASF/Stoneville	ST 6000AXTP	1636	47.6	1.26	83.8	32.7	6.8	4.1
Deltapine	DP 2414B3TXF	1634	47.1	1.19	83.7	31.2	7.3	4.4
Deltapine	DP 2333B3XF	1632	46.5	1.19	82.9	31.5	5.9	4.6
NexGen	NG 3195B3XF	1617	45.3	1.19	83.4	32.0	6.2	4.4
Phytogen	PHY 360W3FE	1584	44.3	1.20	83.4	32.5	6.2	4.1
NexGen	NG 3457B3XF	1574	45.4	1.21	83.7	32.4	7.2	4.5
Deltapine	DP 2522NR B3TXF	1547	46.6	1.17	83.6	30.4	6.7	4.2
BASF/Stoneville	ST 5931AXTP	1522	44.0	1.25	84.3	32.1	6.8	3.9
Deltapine	DP 2211B3TXF	1521	46.2	1.20	83.4	30.7	6.2	4.5
Dyna-Gro	DG 3528B3XF	1515	44.2	1.24	84.5	31.1	6.8	4.1
BASF/Stoneville	BX 2556AXTP	1512	44.3	1.25	83.4	33.1	6.3	3.9
Phytogen	PHY 443W3FE	1511	45.5	1.19	83.3	33.1	6.5	4.2
Phytogen	PX 1140F331-04	1511	46.4	1.21	84.1	33.3	6.4	4.2
Phytogen	PHY 411W3FE	1502	46.5	1.18	84.1	32.9	7.1	4.4
Phytogen	PX 1150F361-04	1496	44.9	1.22	83.7	32.9	6.6	4.1
Armor	ARMOR 9245 B3TXF	1487	46.1	1.19	83.9	32.1	5.6	3.9
Dyna-Gro	DG 3615B3XF	1481	44.5	1.21	83.8	32.5	6.7	4.4
Deltapine	DP 2328B3TXF	1475	45.4	1.23	83.0	31.0	6.4	4.2
Dyna-Gro	DG 4529B3TXF	1473	45.5	1.19	83.1	31.3	6.8	4.0
Phytogen	PHY 545W3FE	1473	47.0	1.18	84.1	31.6	6.7	4.2
NexGen	AMX 12572B3TXF	1470	46.5	1.17	83.8	30.8	8.4	4.4
Deltapine	DP 23R9918B3TXF	1468	46.8	1.17	83.3	31.3	6.8	4.1
Phytogen	PX 1130F309-04	1460	44.1	1.19	84.5	32.5	6.2	4.4
BASF/Stoneville	ST 4833AXTP	1436	43.2	1.24	84.3	31.8	5.5	4.3
BASF/Stoneville	BX 2557AXTP	1424	46.9	1.23	83.6	34.2	5.8	4.5
Phytogen	PX 1140F330-04	1412	46.0	1.20	82.5	31.3	6.6	4.2
Armor	ARMOR 9831B3XF	1390	44.7	1.19	82.8	31.7	7.4	4.4
Phytogen	PHY 332W3FE	1370	44.2	1.25	84.4	33.3	6.6	4.2
Phytogen	PHY 415W3FE	1367	44.9	1.23	84.1	32.6	6.4	4.1
Phytogen	PX 1150F360-04	1361	45.3	1.24	83.5	32.8	6.6	3.8
Phytogen	PX 1140F329-04	1357	46.4	1.20	83.2	31.2	6.6	4.0
Dyna-Gro	DG 3799B3XF	1347	45.3	1.20	83.0	31.1	6.9	4.2
NexGen	AMX 12502 B3TXF	1336	45.1	1.23	84.0	31.9	6.2	3.6
Dyna-Gro	DG 4434B3TXF	1324	45.4	1.21	82.7	30.8	7.8	3.8
Phytogen	PHY 400W3FE	1301	45.0	1.20	83.5	32.3	6.0	4.2
NexGen	AMX 12526B3XF	1283	44.7	1.21	83.3	32.5	7.6	4.2
NexGen	AMX 12507B3TXF	1215	43.8	1.23	83.5	32.2	7.4	4.0
LSD (0.05)		255	1.5	0.03	1.3	1.4	0.4	0.3
C.V. (%)		12	2.4	1.87	1.1	3.1	4.2	5.5
Trial Mean		1505	45.5	1.21	83.6	32.0	6.7	4.2

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: 34.306103 ; long: -79.749379

Planted: April 25, 2024

Harvested: October 9, 2024

Table: Lint Yield, Gin Turnout, and Fiber Quality of Cotton Varieties Grown at the PDREC
Florence, SC, in 2024. Irrigated OVT. M. Jones.

Company	Variety	Lint Yield lb/acre	Gin Turnout %	Fiber Length in.	Fiber Uniformity %	Fiber Strength g/tex	Elongation	Micronaire
Deltapine	DP 2127B3XF	2054	45.3	1.19	84.5	31.5	6.1	4.6
Deltapine	DP 2038B3XF	1851	46.8	1.17	83.0	31.6	6.2	4.2
Deltapine	DP 2414B3TXF	1849	45.6	1.21	84.1	30.9	7.4	4.4
NexGen	NG 3195B3XF	1821	44.5	1.21	83.7	31.2	6.4	4.3
NexGen	AMX 12526B3XF	1799	45.3	1.23	84.9	31.9	8.3	4.4
Deltapine	DP 2349NRB3XF	1790	44.6	1.20	83.6	31.4	6.8	4.0
Dyna-Gro	DG 3528B3XF	1749	43.1	1.25	84.2	30.4	7.2	3.8
NexGen	NG 5430B3XF	1749	41.9	1.22	83.7	31.3	7.0	4.0
Deltapine	DP 2333B3XF	1739	44.7	1.20	83.4	30.9	6.2	4.4
BASF/Stoneville	ST 4833AXTP	1724	41.4	1.25	84.1	32.3	5.7	4.1
Dyna-Gro	DG 3615B3XF	1711	43.9	1.20	83.2	31.5	6.5	4.2
BASF/Stoneville	ST 5855AXTP	1688	45.6	1.24	84.1	33.2	6.8	3.5
Armor	ARMOR 9831B3XF	1680	43.6	1.19	83.2	31.4	7.4	4.0
Phytogen	PX 1130F309-04	1677	42.2	1.22	83.8	33.1	6.3	4.0
Deltapine	DP 23R8029B3TXF	1662	46.2	1.23	84.1	32.1	7.8	4.5
BASF/Stoneville	ST 6000AXTP	1648	45.9	1.25	84.4	33.6	6.8	3.7
NexGen	NG 3457B3XF	1644	43.5	1.22	84.4	31.3	7.4	4.2
Phytogen	PHY 545W3FE	1630	44.9	1.18	82.9	31.9	7.0	3.8
Phytogen	PHY 332W3FE	1624	41.7	1.24	83.0	32.0	6.7	4.0
Deltapine	DP 2211B3TXF	1614	45.8	1.20	83.2	30.8	6.1	4.3
Phytogen	PX 1140F331-04	1610	44.8	1.21	83.9	33.5	6.4	4.1
Dyna-Gro	DG 4434B3TXF	1601	45.3	1.22	82.7	29.8	7.8	3.8
Deltapine	DP 2328B3TXF	1572	45.4	1.21	83.7	31.2	6.3	4.3
BASF/Stoneville	ST 5931AXTP	1565	42.4	1.26	83.9	31.5	6.7	3.7
Phytogen	PHY 415W3FE	1564	44.1	1.23	83.6	33.1	6.4	4.1
Phytogen	PHY 411W3FE	1557	45.1	1.18	83.4	32.5	7.1	4.1
Phytogen	PHY 443W3FE	1543	44.6	1.16	83.5	33.2	6.5	4.3
Armor	ARMOR 9245 B3TXF	1542	44.2	1.20	83.1	32.0	5.7	3.5
BASF/Stoneville	BX 2557AXTP	1541	45.9	1.22	83.7	33.7	6.0	4.3
Deltapine	DP 2537 B3TXF	1537	45.6	1.19	83.5	31.4	8.1	4.4
Phytogen	PHY 360W3FE	1528	42.7	1.19	83.0	31.3	6.3	4.1
Phytogen	PHY 475W3FE	1519	41.3	1.20	83.3	34.1	6.6	4.2
NexGen	AMX 12572B3TXF	1515	46.2	1.16	83.6	30.5	8.2	4.3
Phytogen	PHY 400W3FE	1505	43.8	1.20	82.6	32.4	6.2	4.0
Phytogen	PX 1150F360-04	1504	43.2	1.26	84.2	32.6	6.8	3.8
Deltapine	DP 23R9918B3TXF	1500	45.8	1.18	83.1	30.9	6.7	4.2
Deltapine	DP 2522NR B3TXF	1493	45.9	1.17	82.5	31.1	6.8	4.1
Phytogen	PX 1150F357-04	1479	44.3	1.17	83.8	34.7	7.4	4.2
Dyna-Gro	DG 4529B3TXF	1459	43.0	1.21	83.2	31.3	7.0	3.7
Phytogen	PX 1140F329-04	1423	44.3	1.22	84.1	33.4	6.4	4.1
Phytogen	PX 1150F361-04	1422	43.0	1.25	83.5	33.2	6.4	3.8
BASF/Stoneville	BX 2556AXTP	1416	41.3	1.27	83.5	32.1	6.6	3.6
Phytogen	PX 1140F330-04	1392	44.0	1.22	83.2	32.6	6.5	3.9
Dyna-Gro	DG 3799B3XF	1361	41.9	1.21	82.9	32.0	6.9	3.9
NexGen	AMX 12502 B3TXF	1308	44.4	1.23	82.5	30.5	6.2	3.5
NexGen	AMX 12507 B3TXF	1297	41.2	1.26	83.9	32.3	7.6	3.7
LSD (0.05)		260	1.4	0.03	1.1	1.3	0.4	0.3
C.V. (%)		12	2.2	1.69	1.0	2.8	3.8	5.0
Trial Mean		1593	44.2	1.21	83.5	31.9	6.8	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: 34.310862 ; long: -79.745182

Planted: April 29, 2024

Harvested: October 12, 2024