

TABLE . 2020 IRRIGATED COTTON TRIAL - EDISTO REC - BLACKVILLE, SC
EARLY MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM	FIBER STRENGTH (G/TEX)	ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)			
Deltapine	DP2012B3XF	2448	45.6	1.17	82.9	31.3	6.4	4.2
NEXGEN	NG4936B3XF	2403	46.9	1.24	85.0	30.9	6.8	4.1
Dyna-Gro	DG3799B3XF	2309	43.3	1.17	82.8	30.7	6.7	4.3
BASF	BX2192B3XF	2303	45.1	1.21	83.7	30.6	6.4	4.4
Stoneville	ST5471GLTP	2299	42.5	1.18	82.9	31.5	6.7	4.2
Dyna-Gro	DG3456B3XF	2297	45.6	1.17	83.0	29.2	6.5	4.1
Stoneville	ST4550GLTP	2244	45.4	1.14	83.1	29.9	7.3	4.2
AMERICOT	AMX19B001B3XF	2241	45.0	1.17	82.6	30.5	6.6	4.5
Dyna-Gro	DG3615B3XF	2235	39.4	1.19	83.7	31.5	7.0	4.5
BASF	BX2191B3XF	2210	44.2	1.17	83.0	29.3	6.4	4.3
Dyna-Gro	DG3753B3XF	2155	44.4	1.17	83.4	30.9	7.4	4.2
NEXGEN	NG5711B3XF	2128	42.3	1.15	82.0	28.8	7.0	4.2
AMERICOT	AMX19B003B3FX	2044	44.0	1.17	82.9	30.1	6.7	4.3
Phytogen	PX4B08W3FE	2040	45.8	1.11	82.6	32.0	6.7	4.3
Stoneville	ST4990B3XF	2014	39.6	1.23	83.9	31.4	6.6	4.2
NEXGEN	NG5007B2XF	1997	42.4	1.16	83.0	29.5	7.2	4.2
AMERICOT	AMX19A016B3FX	1996	41.7	1.16	81.7	28.4	7.5	4.1
Dyna-Gro	DG1702GLT	1982	39.0	1.11	81.9	28.7	6.5	4.0
Phytogen	PHY480W3FE	1968	41.6	1.16	83.2	30.2	7.1	4.0
BASF	BX2193B3XF	1953	41.0	1.15	83.4	31.1	6.6	4.5
BASF	BX2194B3XF	1928	41.5	1.19	83.2	30.2	7.3	3.7
Phytogen	PHY500W3FE	1906	41.0	1.15	84.2	33.3	6.0	4.0
Deltapine	DP2020B3XF	1905	36.3	1.21	84.1	30.8	6.0	4.3
NEXGEN	NG3522B2XF	1898	45.6	1.07	81.9	27.4	6.4	4.2
Deltapine	DP1916B3XF	1890	41.9	1.15	83.1	32.1	6.3	4.6
Dyna-Gro	DGX19731GLTP	1888	39.8	1.17	82.2	30.2	6.8	4.4
NEXGEN	NG3729B2XF	1851	40.7	1.17	83.6	29.7	6.8	4.5
AMERICOT	AMX19A014B3XF	1828	40.4	1.17	83.3	29.8	6.7	4.3
Phytogen	PX5E28W3FE	1827	40.0	1.17	83.5	31.6	6.4	3.7
Phytogen	PHY360W3FE	1824	39.5	1.17	82.8	30.6	6.6	4.2
AMERICOT	AMX19A015B3XF	1817	39.1	1.19	81.5	28.4	8.0	3.8
Phytogen	PX5C45W3FE	1794	40.9	1.12	82.4	29.2	7.0	4.0
Phytogen	PX3D32W3FE	1787	43.6	1.19	82.6	30.7	6.4	4.2
AMERICOT	AMX19A018B3XF	1786	42.0	1.14	82.4	29.4	7.3	4.1
NEXGEN	NG3930B3XF	1782	40.0	1.15	82.3	29.6	6.6	4.1
Phytogen	PX5E34W3FE	1740	36.6	1.16	82.5	29.7	6.6	3.7
Phytogen	PHY390W3FE	1729	39.9	1.16	82.7	31.9	6.0	4.0
Phytogen	PHY350W3FE	1720	40.2	1.15	83.3	29.8	7.0	4.4
NEXGEN	NG4098B3XF	1707	37.0	1.20	83.0	30.9	6.9	4.0
Phytogen	PX3D43W3FE	1547	34.3	1.12	82.9	32.4	6.5	4.2
Phytogen	PHY400W3FE	1544	35.1	1.23	83.6	33.2	6.4	4.2
AVERAGES		1975	41.5	1.17	83.0	30.4	6.7	4.2
L.S.D. (.10)		264	5.0	0.04	1.6	1.9	0.6	0.5
C.V. (%)		11.4	10.3	2.3	1.2	3.9	5.9	7.0
STD. ERROR OF ENTRY MEAN		112.5	DF=120					

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

TABLE . 2020 IRRIGATED COTTON TRIAL - EDISTO REC - BLACKVILLE, SC
LATER MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM	FIBER STRENGTH (G/TEX)	ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)			
Stoneville	ST 5091 B3XF	2360	47.8	1.16	80.5	28.7	6.7	4.0
Dyna-Gro	DGH959B3XF	2214	41.4	1.21	82.3	32.0	6.6	4.4
ARMOR	9371 B3XF	2199	43.1	1.14	82.5	31.6	7.2	4.4
Deltapine	19R237B3XF	2145	40.9	1.26	83.5	32.1	5.9	4.4
NEXGEN	NG4936B3XF	2129	44.3	1.20	82.9	30.7	7.1	4.3
Deltapine	DP2038B3XF	2055	42.9	1.15	82.2	29.9	6.5	4.3
NEXGEN	NG4098B3XF	2050	46.2	1.17	82.1	32.3	6.6	4.4
AMERICOT	AMX19A016B3FX	2007	41.1	1.15	82.8	29.5	7.6	4.4
Deltapine	DP1646B2XF	2006	44.6	1.22	83.7	29.7	7.6	4.2
Deltapine	DP2055B3XF	2001	44.9	1.20	81.6	30.9	7.5	4.4
NEXGEN	NG 5150 B3XF	1999	42.8	1.17	82.9	30.3	6.6	4.4
Stoneville	ST 4993 B3XF	1973	43.8	1.17	83.7	31.5	7.1	4.3
Phytogen	PHY500W3FE	1972	43.3	1.16	83.2	33.2	6.2	4.3
NEXGEN	NG5711B3XF	1965	40.4	1.17	82.4	30.4	6.9	4.2
Dyna-Gro	DG3555B3XF	1958	42.7	1.20	82.9	32.7	7.4	4.1
Stoneville	ST6182GLT	1957	44.1	1.11	81.0	29.0	6.8	4.3
Stoneville	ST4990B3XF	1952	40.0	1.18	84.0	29.7	6.9	4.1
Dyna-Gro	DGX197312GLTP	1927	41.5	1.22	82.4	30.4	6.5	4.3
Stoneville	ST5610B3XF	1924	45.3	1.12	81.2	29.7	7.3	4.1
Deltapine	DP1840B3XF	1911	38.1	1.19	82.5	29.1	6.9	4.0
Dyna-Gro	DG3615B3XF	1909	40.2	1.20	83.1	29.7	6.5	4.4
ARMOR	9608B3XF	1900	42.3	1.13	83.0	28.2	7.6	4.2
ARMOR	9831 B3XF	1887	41.2	1.14	82.0	29.3	6.2	4.5
Phytogen	PHY580W3FE	1886	44.8	1.12	82.1	30.0	7.1	4.5
Stoneville	ST5471GLTP	1879	39.9	1.11	81.2	30.9	6.9	4.4
NEXGEN	NG 3195 B3XF	1870	38.6	1.11	82.5	30.6	6.3	4.5
ARMOR	3885B2XF	1867	40.0	1.16	83.0	29.1	6.3	4.2
NEXGEN	NG3729B2XF	1856	39.5	1.14	82.5	29.2	7.2	4.7
Dyna-Gro	DG3520B3XF	1855	39.4	1.22	83.4	31.2	7.4	4.1
Stoneville	ST5600B2XF	1848	41.5	1.15	82.6	30.6	7.2	4.8
Dyna-Gro	DG1702GLT	1843	41.6	1.14	82.2	30.0	6.7	4.3
Phytogen	PHY350W3FE	1840	42.8	1.16	83.1	30.2	7.0	4.3
Deltapine	DP1851B3XF	1837	40.7	1.17	83.3	32.1	7.6	4.2
Dyna-Gro	DGX1901SEGLTP	1810	43.8	1.12	83.0	28.4	7.4	4.7
Phytogen	PHY 545 WFE	1799	44.4	1.12	82.4	32.3	7.1	4.3
BASF	BX2192B3XF	1795	40.7	1.22	82.4	32.5	6.0	4.5
Phytogen	PHY480W3FE	1787	41.2	1.11	81.8	28.5	7.5	4.0
Phytogen	PX4B08W3FE	1782	42.8	1.11	81.8	30.6	7.2	4.2
AMERICOT	AMX19A018B3XF	1766	43.4	1.11	81.7	29.6	7.9	4.4
NEXGEN	NG5007B2XF	1759	38.2	1.13	81.7	27.8	7.5	4.3
Phytogen	PHY390W3FE	1753	44.1	1.16	82.2	31.0	6.0	4.1
Dyna-Gro	DGX19052B3XF	1752	44.5	1.15	83.3	29.8	7.0	4.3
Dyna-Gro	DG3570B3XF	1747	41.9	1.13	82.5	30.0	7.2	4.4
Phytogen	PHY 332 WFE	1743	44.0	1.16	81.4	30.9	6.8	4.4
Phytogen	PX5E28W3FE	1735	39.5	1.16	82.5	30.5	6.9	3.7
AMERICOT	AMX19A014B3XF	1731	38.7	1.11	81.2	28.6	7.5	4.2
NEXGEN	NG3930B3XF	1704	39.5	1.16	82.2	28.8	6.6	4.2
Phytogen	PHY400W3FE	1692	40.2	1.18	81.8	31.1	6.3	3.9
BASF	BX2194B3XF	1625	38.0	1.18	82.9	29.1	7.4	3.6
Phytogen	PX5E34W3FE	1597	37.8	1.15	82.4	31.8	6.9	3.9
NEXGEN	NG3522B2XF	1592	38.8	1.08	81.7	26.9	6.5	4.1
Phytogen	PX3D43W3FE	1485	37.4	1.13	82.5	30.9	6.8	4.5
AMERICOT	AMX19A015B3XF	1438	34.5	1.21	83.2	29.1	8.4	4.2
AVERAGES		1869	41.6	1.15	82.4	30.2	6.9	4.3
L.S.D. (.10)		273	4.9	0.05	NS	2.2	0.5	0.4
C.V. (%)		12.5	10.0	2.6	1.5	4.6	4.1	5.6
STD. ERROR OF ENTRY MEAN		116.7	DF=156					

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EARLY MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM		ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)	FIBER STRENGTH (G/TEX)		
Dyna-Gro	DG3799B3XF	1987	37.8	1.18	82.6	30.7	7.0	4.6
Dyna-Gro	DG3615B3XF	1916	37.3	1.20	81.9	31.3	7.0	4.2
Dyna-Gro	DG1702GLT	1822	40.2	1.15	82.9	29.4	7.3	4.2
Stoneville	ST5471GLTP	1805	36.9	1.17	82.3	30.2	7.3	4.5
Stoneville	ST4550GLTP	1636	38.9	1.14	82.4	29.2	7.8	4.5
NEXGEN	NG5007B2XF	1630	37.8	1.16	83.1	26.1	8.0	4.0
Stoneville	ST 4993 B3XF	1614	40.2	1.16	82.5	31.3	7.4	4.7
NEXGEN	NG 3195 B3XF	1610	37.3	1.11	82.1	29.6	6.9	4.6
Dyna-Gro	DG3456B3XF	1605	37.3	1.13	83.0	29.6	7.0	4.5
Deltapine	DP2012B3XF	1595	35.4	1.19	84.0	30.6	6.6	4.3
Stoneville	ST4990B3XF	1579	38.1	1.16	83.1	29.0	7.9	4.2
AMERICOT	AMX19A016B3FX	1564	33.3	1.20	82.9	28.1	8.2	4.1
Phytogen	PHY 545 WFE	1551	38.4	1.14	83.9	29.3	7.3	4.5
Phytogen	PHY480W3FE	1539	38.4	1.12	83.6	28.8	8.1	4.3
Deltapine	DP1916B3XF	1533	38.7	1.15	84.4	29.7	7.1	4.4
NEXGEN	NG3930B3XF	1529	38.8	1.17	82.7	27.3	7.6	4.4
Stoneville	ST 5091 B3XF	1507	37.4	1.20	83.1	29.8	6.7	4.1
NEXGEN	NG3729B2XF	1503	38.0	1.18	82.7	28.6	7.5	4.5
Phytogen	PHY500W3FE	1474	38.6	1.15	82.7	31.9	6.5	4.0
Dyna-Gro	DG3753B3XF	1473	39.1	1.16	83.6	30.1	8.1	4.4
Deltapine	DP2020B3XF	1472	33.1	1.18	84.2	30.1	6.6	4.5
BASF	BX2192B3XF	1466	34.0	1.25	84.1	31.2	6.4	4.0
Phytogen	PX5E28W3FE	1463	36.1	1.16	83.4	30.1	7.0	3.9
AMERICOT	AMX19A015B3XF	1457	32.9	1.21	82.5	28.7	8.3	4.2
Dyna-Gro	DGX19731GLTP	1450	35.9	1.23	83.9	29.1	7.7	4.3
NEXGEN	NG5711B3XF	1415	34.3	1.19	83.6	28.4	7.4	4.1
NEXGEN	NG 5150 B3XF	1405	37.0	1.17	82.7	29.3	6.9	4.4
BASF	BX2194B3XF	1398	36.4	1.18	83.8	30.4	7.7	3.7
Phytogen	PHY400W3FE	1395	35.4	1.15	83.5	31.1	6.8	4.2
NEXGEN	NG4098B3XF	1383	34.0	1.26	84.4	31.0	7.0	4.0
NEXGEN	NG3522B2XF	1381	36.4	1.13	83.5	28.0	6.9	4.3
Phytogen	PX4B08W3FE	1380	34.8	1.10	83.3	29.4	7.5	4.5
Phytogen	PX3D43W3FE	1267	36.4	1.13	83.5	29.2	7.0	4.5
Phytogen	PX5E34W3FE	1267	32.8	1.16	82.3	30.2	7.4	3.8
NEXGEN	NG4936B3XF	1261	29.5	1.22	84.7	28.7	7.8	4.2
AMERICOT	AMX19A018B3XF	1226	34.1	1.12	84.0	30.6	8.3	4.3
Phytogen	PHY350W3FE	1221	33.6	1.16	84.3	30.1	7.0	4.6
Phytogen	PHY390W3FE	1220	33.3	1.18	84.4	30.3	7.4	4.2
Phytogen	PHY360W3FE	1211	32.9	1.17	83.5	29.4	7.0	4.5
AMERICOT	AMX19A014B3XF	1203	30.5	1.18	82.9	28.5	7.1	4.1
Phytogen	PHY 332 WFE	1189	35.2	1.18	82.9	30.7	7.2	4.4
AVERAGES		1478	36.0	1.17	83.3	29.6	7.3	4.3
L.S.D. (.10)		281 NS		0.03 NS		2.2	0.6	0.3
C.V. (%)		16.2	13.5	1.7	1.5	4.5	5.1	4.0
STD. ERROR OF ENTRY MEAN		119.7	DF=12					

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LATER MATURING VARIETIES

COMPANY OR BRAND NAME	VARIETY OR STRAIN	LINT YIELD (LB/A)	LINT PERCENT (%)	UHM LENGTH (IN)	M/UHM	FIBER STRENGTH (G/TEX)	ELONGATION	MIKE (READING)
					UNIF. RATIO (PCT)			
Dyna-Gro	DG3615B3XF	2039	42.8	1.17	81.9	29.1	7.1	4.1
ARMOR	9371 B3XF	1866	46.5	1.14	81.1	30.4	8.1	4.4
ARMOR	9608B3XF	1840	43.5	1.11	81.4	26.8	8.3	4.1
AMERICOT	AMX19A016B3FX	1724	39.5	1.14	80.4	27.7	8.8	4.0
Stoneville	ST 5091 B3XF	1723	42.4	1.16	81.4	28.1	7.4	4.0
Stoneville	ST6182GLT	1689	44.0	1.10	80.9	27.0	7.3	4.4
ARMOR	9831 B3XF	1598	42.9	1.14	81.2	27.5	6.6	4.2
Phytogen	PX4B08W3FE	1595	40.8	1.10	81.5	29.5	7.5	4.4
Deltapine	DP2038B3XF	1548	45.4	1.11	81.1	27.8	7.3	4.2
Dyna-Gro	DG1702GLT	1541	39.8	1.14	81.8	28.2	7.7	4.0
BASF	BX2192B3XF	1525	37.9	1.26	81.1	29.2	6.7	4.1
Deltapine	DP1646B2XF	1520	40.1	1.23	81.4	27.9	7.9	4.1
Dyna-Gro	DGX1901SEGLTP	1516	43.3	1.14	82.0	27.9	8.3	4.3
AMERICOT	AMX19A014B3XF	1504	39.1	1.16	81.6	27.0	8.0	4.2
Dyna-Gro	DGH959B3XF	1503	34.7	1.23	81.3	31.7	7.1	4.0
Stoneville	ST4990B3XF	1490	39.0	1.17	81.9	28.9	8.0	4.0
NEXGEN	NG 3195 B3XF	1484	41.5	1.12	82.4	28.8	7.3	4.3
Deltapine	DP2055B3XF	1484	39.2	1.19	80.7	28.7	7.9	4.0
Stoneville	ST5471GLTP	1483	40.7	1.17	82.3	28.7	7.2	4.2
Stoneville	ST5600B2XF	1481	37.6	1.14	80.7	28.4	7.8	4.7
Dyna-Gro	DG3520B3XF	1474	39.6	1.23	81.1	30.8	8.0	4.0
Dyna-Gro	DGX197312GLTP	1472	42.0	1.20	81.3	30.1	7.0	4.0
NEXGEN	NG4098B3XF	1467	38.0	1.25	83.3	30.9	7.1	4.0
NEXGEN	NG3522B2XF	1460	40.2	1.12	81.9	27.0	7.2	4.1
Phytogen	PX3D43W3FE	1460	39.0	1.14	81.6	30.7	7.3	4.3
Phytogen	PHY500W3FE	1458	38.0	1.15	82.9	31.3	6.5	3.9
NEXGEN	NG5711B3XF	1438	40.9	1.15	80.7	27.8	7.6	4.0
Dyna-Gro	DG3555B3XF	1428	38.6	1.23	82.4	31.2	7.9	4.2
ARMOR	3885B2XF	1426	37.4	1.12	82.5	26.5	7.3	4.3
Deltapine	19R237B3XF	1413	41.5	1.23	81.2	30.5	6.8	4.0
Phytogen	PHY400W3FE	1413	42.9	1.15	81.4	28.9	7.2	4.2
AMERICOT	AMX19A018B3XF	1411	44.6	1.09	80.7	29.3	8.3	4.3
Deltapine	DP1851B3XF	1399	38.6	1.16	80.9	30.9	8.0	3.9
Phytogen	PHY350W3FE	1391	39.2	1.14	82.7	29.3	7.3	4.3
Phytogen	PHY480W3FE	1388	35.5	1.15	81.6	27.5	7.8	4.2
NEXGEN	NG3729B2XF	1386	35.7	1.14	82.7	26.8	7.6	4.6
Stoneville	ST 4993 B3XF	1384	40.0	1.14	82.2	29.1	7.6	4.4
Phytogen	PHY 332 WFE	1383	36.3	1.17	81.2	29.6	7.4	4.3
NEXGEN	NG 5150 B3XF	1380	39.1	1.18	81.4	28.4	7.1	4.1
Phytogen	PHY390W3FE	1378	39.1	1.15	81.1	29.4	6.9	4.1
AMERICOT	AMX19A015B3XF	1375	37.0	1.19	81.6	29.1	8.7	4.1
Stoneville	ST5610B3XF	1369	40.3	1.13	82.3	28.4	7.9	4.1
NEXGEN	NG5007B2XF	1353	37.6	1.14	81.3	26.0	8.2	4.0
Phytogen	PHY 545 WFE	1345	40.7	1.12	81.0	27.6	7.6	4.3
Deltapine	DP1840B3XF	1343	38.9	1.20	80.5	28.6	7.5	4.1
Dyna-Gro	DGX19052B3XF	1341	37.8	1.14	81.6	27.2	7.5	4.2
Dyna-Gro	DG3570B3XF	1334	42.5	1.12	82.1	28.3	7.7	4.6
BASF	BX2194B3XF	1333	39.5	1.20	81.8	29.3	8.1	3.6
NEXGEN	NG4936B3XF	1312	37.8	1.21	81.9	29.1	7.7	4.3
NEXGEN	NG3930B3XF	1298	36.3	1.13	81.8	27.6	7.2	4.1
Phytogen	PX5E28W3FE	1287	37.8	1.14	81.6	29.0	7.3	3.6
Phytogen	PHY580W3FE	1182	37.0	1.13	81.3	28.0	7.5	4.3
Phytogen	PX5E34W3FE	1130	36.9	1.12	81.5	28.6	7.3	3.6
AVERAGES		1463	39.8	1.16	81.6	28.7	7.5	4.1
L.S.D. (.10)		274	5.2	0.04	1.4	2.3	0.5	0.3
C.V. (%)		16.0	11.1	2.2	1.1	4.9	4.4	4.5
STD. ERROR OF ENTRY MEAN		117.0	DF=156					

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