

Bainbridge, Georgia: Later Maturity Cotton Variety Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
DP 555 BG/RR	2250	42.8	83.7	1.20	30.0	4.5
ST 5599BR	2098	42.3	82.1	1.13	31.1	4.9
STX5458B2RF	2080	42.6	82.2	1.15	30.7	4.8
DP 515 BG/RR	2074	42.0	82.8	1.17	29.9	4.6
GA2004371	2044	43.6	83.0	1.17	30.2	5.0
DP 454 BG/RR	2038	43.8	82.6	1.12	30.5	4.2
DP161B2RF	1951	40.3	84.0	1.24	31.3	4.3
ST 6611B2RF	1920	39.5	83.1	1.16	31.8	4.6
GA2004392	1914	38.9	85.1	1.20	31.8	5.0
DP174RF	1903	45.7	82.0	1.15	28.1	4.8
GA2004356	1880	43.4	83.9	1.19	31.8	5.1
DP 455 BG/RR	1839	43.6	83.1	1.18	32.2	4.3
DP141B2RF	1834	39.5	83.5	1.25	30.0	4.2
DP 143 B2RF	1796	40.3	82.1	1.24	28.0	4.0
DP 164 B2RF	1790	40.0	82.5	1.19	29.3	4.2
DP 445 BG/RR	1765	41.9	83.5	1.17	30.3	4.6
DP 493	1761	43.2	83.4	1.19	31.8	4.8
ST5327B2RF	1745	42.5	82.8	1.15	30.8	4.5
DP 147 RF	1688	40.2	83.1	1.24	30.8	4.1
STX06351B2RF	1663	39.1	83.0	1.20	28.8	4.6
AM1550B2RF	1620	40.7	83.1	1.15	28.4	4.4
ST5283RF	1612	42.5	83.4	1.17	30.3	4.6
ST 6622RF	1600	40.2	83.9	1.20	32.2	4.4
DP 167 RF	1553	40.0	83.0	1.21	29.8	4.5
FM1880B2F	1459	38.8	83.6	1.22	30.4	4.0
PHY745WRF	1096	41.5	83.7	1.19	32.1	4.3
Average	1807	41.5	83.1	1.18	30.4	4.5
LSD 0.10	192	0.6	1.2	0.04	1.2	0.4
CV %	9.0	1.3	0.8	1.83	2.4	5.6

* A random quality sample was taken on the picker during cotton harvest.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 16, 2007.

Harvested: October 26, 2007.

Fertilization: 174 lb N, 92 lb P₂O₅, and 157 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.05	3.00	4.60	4.60	0.0	0.0

Trials conducted by Larry Thompson.

Midville, Georgia: Later Maturity Cotton Variety Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index* %	Length* inches		
STX5458B2RF	1532	41.5	82.2	1.16	31.4	4.6
ST 5599BR	1529	43.0	81.8	1.11	32.1	4.8
GA2004371	1480	45.0	83.4	1.17	30.8	4.1
DP 167 RF	1407	40.5	83.0	1.20	29.5	4.2
DP 555 BG/RR	1400	44.0	82.6	1.14	30.1	4.7
GA2004392	1391	41.0	84.2	1.16	32.0	5.1
DP174RF	1377	45.5	82.9	1.20	29.5	4.4
DP 147 RF	1355	41.0	83.0	1.22	31.1	4.2
GA2004356	1347	44.0	83.5	1.17	31.5	4.5
DP 445 BG/RR	1342	43.0	83.1	1.15	30.7	4.4
DP 493	1322	45.5	82.4	1.15	30.9	4.5
STX06351B2RF	1318	41.0	82.1	1.16	30.7	4.2
DP 455 BG/RR	1308	43.5	80.9	1.13	32.1	3.8
DP 515 BG/RR	1277	42.0	82.9	1.15	30.5	4.6
ST 6611B2RF	1273	38.0	81.7	1.11	31.4	4.3
DP161B2RF	1268	41.0	82.5	1.19	31.5	4.4
DP 143 B2RF	1251	40.0	82.1	1.22	29.2	3.9
ST5283RF	1240	41.5	82.5	1.15	30.5	4.2
DP 164 B2RF	1223	40.0	81.8	1.18	30.6	4.1
ST5327B2RF	1211	42.0	81.9	1.12	30.0	4.1
ST 6622RF	1198	41.0	82.8	1.17	31.8	4.4
FM1880B2F	1188	40.0	81.6	1.16	30.2	3.7
DP141B2RF	1176	39.0	83.6	1.25	31.6	3.5
DP 454 BG/RR	1165	45.0	82.3	1.11	29.2	4.0
AM1550B2RF	1111	39.5	82.3	1.16	28.4	3.8
PHY745WRF	1010	41.0	83.7	1.19	32.1	4.1
Average	1296	41.9	82.5	1.16	30.7	4.2
LSD 0.10	168	1.0	1.1	0.04	1.1	0.4
CV %	11.0	1.9	0.8	1.85	2.1	5.0

* A random quality sample was taken on the picker during cotton harvest.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 2, 2007.

Harvested: October 11, 2007.

Soil Type: Tifton sandy loam.

Fertilization: 95 lb N, 50 lb P₂O₅, and 75 lb K₂O/acre.

Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	5.00	1.50	3.25	4.50	0.75	0.0

Trials conducted by Larry Thompson.

Plains, Georgia: Later Maturity Cotton Variety Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
			Index*	%			
DP 515 BG/RR	1710	44.3	83.6		1.17	31.0	5.1
DP 555 BG/RR	1625	44.3	82.7		1.17	30.9	4.7
DP 445 BG/RR	1622	43.5	84.9		1.20	31.0	4.9
GA2004392	1543	42.4	85.5		1.18	30.9	5.4
STX5458B2RF	1531	44.4	85.3		1.24	32.2	5.1
AM1550B2RF	1514	43.2	84.3		1.18	28.6	4.6
DP174RF	1446	45.7	85.6		1.25	29.6	4.7
ST 5599BR	1414	41.9	83.5		1.17	31.0	4.8
DP 454 BG/RR	1386	43.5	83.9		1.17	30.3	4.2
GA2004371	1371	45.7	84.7		1.17	31.7	5.4
DP161B2RF	1351	40.8	85.9		1.27	31.4	4.8
ST5327B2RF	1327	44.0	83.7		1.16	31.9	4.9
DP 455 BG/RR	1278	45.2	83.2		1.18	32.3	4.5
DP 143 B2RF	1232	40.3	83.9		1.26	30.0	4.2
DP 147 RF	1218	42.4	84.7		1.25	31.5	4.7
DP 167 RF	1195	41.3	84.2		1.22	30.6	4.7
GA2004356	1180	42.6	85.2		1.22	32.5	5.1
ST 6622RF	1163	42.4	84.2		1.17	32.4	4.8
FM1880B2F	1138	41.8	84.2		1.21	31.7	4.1
ST5283RF	1116	42.7	84.5		1.18	31.8	4.7
STX06351B2RF	1082	40.3	84.0		1.21	31.2	4.8
DP 164 B2RF	1053	40.2	84.8		1.25	31.6	4.6
ST 6611B2RF	1048	38.9	84.1		1.19	32.4	4.8
DP 493	1022	43.6	83.3		1.17	31.6	5.1
DP141B2RF	962	40.7	84.5		1.28	31.3	4.4
PHY745WRF	951	43.3	84.7		1.22	30.6	4.3
Average	1288	42.6	84.3		1.20	31.2	4.7
LSD 0.10	275	1.1	1.4		0.05	1.3	0.4
CV %	18.2	2.2	1.0		2.36	2.5	5.3

* A random quality sample was taken on the picker during cotton harvest.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: May 1, 2007.

Harvested: October 8, 2007.

Soil Type: Faceville sandy loam.

Fertilization: 90 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.80	1.00	1.00	2.00	1.00	0.0

Trials conducted by Larry Thompson and R. Pines.

Tifton, Georgia: Later Maturity Cotton Variety Performance, 2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
DP 454 BG/RR	2093	55.2	82.6	1.12	29.4	3.9
DP 455 BG/RR	2083	49.5	81.7	1.13	29.3	4.0
DP 445 BG/RR	2063	46.3	84.6	1.17	29.3	4.2
DP 555 BG/RR	2026	46.8	82.1	1.14	28.5	4.5
STX5458B2RF	1955	44.7	82.7	1.16	30.7	4.4
DP 515 BG/RR	1920	46.1	82.8	1.13	29.1	4.3
DP161B2RF	1910	42.9	84.6	1.22	30.1	4.1
ST 6611B2RF	1881	44.0	81.8	1.12	30.3	4.5
GA2004371	1825	48.1	83.2	1.11	29.7	5.0
ST 5599BR	1821	44.3	81.8	1.12	29.4	4.6
DP 164 B2RF	1814	42.9	82.4	1.19	28.7	4.2
AM1550B2RF	1806	46.3	81.2	1.10	26.6	4.5
DP174RF	1778	48.3	83.5	1.17	26.8	4.4
GA2004356	1764	46.6	83.5	1.16	31.3	4.5
GA2004392	1752	43.6	83.8	1.18	31.6	4.6
DP141B2RF	1720	44.5	82.8	1.19	28.9	4.2
ST5283RF	1709	46.3	83.8	1.16	29.1	4.1
ST5327B2RF	1687	46.6	84.1	1.14	29.6	4.3
DP 143 B2RF	1679	44.0	81.7	1.21	27.6	4.0
FM1880B2F	1651	43.5	82.2	1.19	29.0	3.7
DP 493	1650	47.7	82.1	1.13	30.6	4.7
STX06351B2RF	1628	42.4	83.7	1.19	28.2	3.9
ST 6622RF	1601	44.8	83.1	1.15	29.9	4.4
DP 167 RF	1581	43.3	82.5	1.16	29.8	4.2
DP 147 RF	1568	45.8	83.0	1.20	28.7	4.0
PHY745WRF	1352	45.2	83.1	1.14	29.5	3.9
Average	1781	45.8	82.8	1.15	29.3	4.3
LSD 0.10	213	2.2	1.3	0.04	2.0	0.3
CV %	10.1	4.1	0.9	1.91	4.1	4.7

* A random quality sample was taken on the picker during cotton harvest.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Planted: April 23, 2007.

Harvested: September 19, 2007.

Soil Type: Tifton sandy loam.

Fertilization: 78 lb N, 54 lb P₂O₅, and 168 lb K₂O/acre.

Management: Temik applied 5 lb/acre and Telone II applied 3 gal/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	2.25	1.80	2.10	2.00	0.0	0.00

Trials conducted by Larry Thompson

Yield Summary for Later Maturity Cotton Varieties, 2007, Irrigated

Entry	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Bainbridge	Midville	Plains lb/acre	Tifton							
DP 555 BG/RR	2250 ¹	1400 ⁵	1625 ²	2026 ⁴	1825 ¹	44.5	82.7	1.16	29.8	4.6	
STX5458B2RF	2080 ³	1532 ¹	1531 ⁵	1955 ⁵	1775 ²	43.3	83.1	1.18	31.2	4.7	
DP 515 BG/RR	2074 ⁴	1277 ¹⁴	1710 ¹	1920 ⁶	1745 ³	43.6	83.0	1.15	30.1	4.6	
ST 5599BR	2098 ²	1529 ²	1414 ⁸	1821 ¹⁰	1715 ⁴	42.9	82.3	1.13	30.9	4.8	
DP 445 BG/RR	1765 ¹⁶	1342 ¹⁰	1622 ³	2063 ³	1698 ⁵	43.7	84.0	1.17	30.3	4.5	
GA2004371	2044 ⁵	1480 ³	1371 ¹⁰	1825 ⁹	1680 ⁶	45.6	83.6	1.15	30.6	4.8	
DP 454 BG/RR	2038 ⁶	1165 ²⁴	1386 ⁹	2093 ¹	1670 ⁷	46.9	82.8	1.13	29.8	4.0	
GA2004392	1914 ⁹	1391 ⁶	1543 ⁴	1752 ¹⁵	1650 ⁸	41.5	84.6	1.18	31.5	5.0	
DP 455 BG/RR	1839 ¹²	1308 ¹³	1278 ¹³	2083 ²	1627 ⁹	45.4	82.2	1.15	31.5	4.1	
DP174RF	1903 ¹⁰	1377 ⁷	1446 ⁷	1778 ¹³	1626 ¹⁰	46.3	83.5	1.19	28.5	4.6	
DP161B2RF	1951 ⁷	1268 ¹⁶	1351 ¹¹	1910 ⁷	1620 ¹¹	41.3	84.2	1.23	31.1	4.4	
GA2004356	1880 ¹¹	1347 ⁹	1180 ¹⁷	1764 ¹⁴	1543 ¹²	44.2	84.0	1.18	31.8	4.8	
ST 6611B2RF	1920 ⁸	1273 ¹⁵	1048 ²³	1881 ⁸	1530 ¹³	40.1	82.7	1.14	31.4	4.5	
AM1550B2RF	1620 ²¹	1111 ²⁵	1514 ⁶	1806 ¹²	1513 ¹⁴	42.4	82.7	1.15	28.0	4.3	
ST5327B2RF	1745 ¹⁸	1211 ²⁰	1327 ¹²	1687 ¹⁸	1492 ¹⁵	43.8	83.1	1.14	30.6	4.4	
DP 143 B2RF	1796 ¹⁴	1251 ¹⁷	1232 ¹⁴	1679 ¹⁹	1490 ¹⁶	41.1	82.4	1.23	28.7	4.0	
DP 164 B2RF	1790 ¹⁵	1223 ¹⁹	1053 ²²	1814 ¹¹	1470 ¹⁷	40.8	82.8	1.20	30.0	4.3	
DP 147 RF	1688 ¹⁹	1355 ⁸	1218 ¹⁵	1568 ²⁵	1457 ¹⁸	42.3	83.4	1.23	30.5	4.2	
DP 493	1761 ¹⁷	1322 ¹¹	1022 ²⁴	1650 ²¹	1439 ¹⁹	45.0	82.8	1.16	31.2	4.8	
DP 167 RF	1553 ²⁴	1407 ⁴	1195 ¹⁶	1581 ²⁴	1434 ²⁰	41.3	83.2	1.20	29.9	4.4	
DP141B2RF	1834 ¹³	1176 ²³	962 ²⁵	1720 ¹⁶	1423 ^{21T}	40.9	83.6	1.24	30.4	4.1	
STX06351B2RF	1663 ²⁰	1318 ¹²	1082 ²¹	1628 ²²	1423 ^{21T}	40.7	83.2	1.19	29.7	4.4	
ST5283RF	1612 ²²	1240 ¹⁸	1116 ²⁰	1709 ¹⁷	1419 ²²	43.3	83.5	1.16	30.4	4.4	
ST 6622RF	1600 ²³	1198 ²¹	1163 ¹⁸	1601 ²³	1391 ²³	42.1	83.5	1.17	31.6	4.5	
FM1880B2F	1459 ²⁵	1188 ²²	1138 ¹⁹	1651 ²⁰	1359 ²⁴	41.0	82.9	1.19	30.3	3.9	
PHY745WRF	1096 ²⁶	1010 ²⁶	951 ²⁶	1352 ²⁶	1102 ²⁵	42.7	83.8	1.19	31.0	4.1	
Average	1807	1296	1288	1781	1543	42.9	83.2	1.18	30.4	4.4	
LSD 0.10	192	168	275	213	154	1.3	0.7	0.02	0.7	0.2	
CV %	9.0	11.0	18.2	10.1	11.9	2.7	0.9	2.01	2.8	5.2	

^a Superscripts indicate ranking at that location.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).

Two-Year Summary for Later Maturity Cotton Varieties at Four Locations^a, 2006-2007, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
DP 555 BG/RR	1965	44.0	82.9		1.16	29.8	4.6
DP 515 BG/RR	1831	43.1	83.0		1.15	30.1	4.6
DP 454 BG/RR	1776	45.7	83.1		1.12	29.3	4.1
ST 5599BR	1683	43.0	82.7		1.14	30.8	4.8
DP 493	1674	45.4	83.2		1.16	30.6	4.7
DP 455 BG/RR	1638	44.6	82.3		1.14	30.8	4.2
DP 143 B2RF	1584	40.8	82.6		1.23	28.4	4.1
ST 6611B2RF	1557	39.2	82.8		1.14	31.2	4.6
DP 445 BG/RR	1538	42.6	83.7		1.15	29.4	4.6
DP 164 B2RF	1533	40.4	83.2		1.19	29.5	4.5
DP 147 RF	1493	42.2	83.4		1.22	30.0	4.2
DP 167 RF	1452	40.4	83.6		1.18	30.0	4.4
ST 6622RF	1422	41.2	83.7		1.15	30.9	4.5
PHY745WRF	1247	42.2	83.8		1.18	30.9	4.2
Average	1600	42.5	83.1		1.16	30.1	4.4
LSD 0.10	80	0.5	0.4		0.01	0.5	0.2
CV %	12.2	2.7	0.9		2.02	3.1	5.6

^a Bainbridge, Midville, Plains, and Tifton.

Bolding indicates entries not significantly different from highest yielding entry based on Fisher's protected LSD (P = 0.10).