

Bainbridge, Georgia: Later Maturity Cotton Variety Performance, 2008, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length* inches		
PHY375WRF	1762	44.3	83.0	1.18	32.3	3.8
BCSX0727B2RF	1727	43.8	83.0	1.18	33.9	4.4
DP 0935 B2RF	1655	44.4	82.6	1.15	33.3	4.3
DP174RF	1589	46.6	84.1	1.22	32.9	4.3
PHY485WRF	1560	42.4	83.3	1.15	36.1	4.3
BCSX0102LLB2	1536	41.3	84.8	1.25	36.3	3.8
GA2004358	1523	43.3	83.4	1.20	35.5	4.2
DP 555 BG/RR	1521	46.2	81.8	1.15	33.7	4.4
GA2004371	1511	45.9	83.5	1.20	34.1	4.7
DP161B2RF	1508	41.8	83.7	1.23	35.6	4.2
PHY480WR	1492	40.4	85.3	1.22	36.0	4.6
BCSX0721B2RF	1472	43.9	84.1	1.20	32.9	4.2
PHY440W	1451	41.1	83.1	1.18	33.7	3.8
PHY425RF	1444	42.6	84.0	1.18	37.1	4.8
GA2004137	1428	44.6	83.2	1.18	35.5	4.9
GA2004392	1407	41.8	83.0	1.18	36.0	5.0
BCSX0614B2RF	1306	40.3	82.7	1.20	33.6	3.6
DP 164 B2RF	1264	41.9	83.3	1.21	35.8	4.1
Average	1509	43.1	83.4	1.19	34.7	4.3
LSD 0.10	166	1.2	1.2	0.03	1.8	0.5
CV %	9.3	2.5	0.8	1.41	2.9	6.6

* 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 14, 2008.

Harvested: October 7, 2008.

Soil Type: Bonnaeu blanton loamy sand.

Fertilization: 166 lb N, 92 lb P₂O₅, and 130 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.
Irrigation (in):	2.20	3.20	1.60	1.60	0.80

Trials conducted by Larry Thompson.

**Midville, Georgia:
Later Maturity Cotton Variety Performance, 2008, Irrigated**

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
PHY480WR	2291	42.2	84.7	1.19	29.2	4.4
DP 555 BG/RR	2255	45.0	82.0	1.17	30.6	4.1
DP 0935 B2RF	2228	44.1	83.9	1.16	27.4	4.1
DP161B2RF	2187	43.3	84.5	1.24	32.2	3.7
PHY440W	2161	42.8	83.8	1.17	29.8	4.1
BCSX0727B2RF	2136	43.9	83.6	1.17	27.7	4.4
DP174RF	2120	46.2	84.5	1.24	27.1	4.2
PHY375WRF	2010	42.7	83.2	1.20	27.3	4.0
BCSX0102LLB2	2006	40.7	85.2	1.27	32.3	3.7
PHY485WRF	1987	41.7	84.3	1.19	29.5	4.4
GA2004358	1934	42.4	83.1	1.20	31.6	4.5
GA2004392	1897	41.7	85.3	1.18	29.7	4.8
BCSX0614B2RF	1872	39.5	84.9	1.24	29.6	4.2
PHY425RF	1794	40.7	85.1	1.20	29.2	4.3
GA2004137	1740	43.4	84.4	1.20	30.7	4.4
DP 164 B2RF	1706	42.1	83.6	1.21	31.6	4.1
BCSX0721B2RF	1621	46.9	83.4	1.21	27.9	4.2
GA2004371	1570	44.7	85.6	1.19	29.6	4.7
Average	1973	43.0	84.1	1.20	29.6	4.2
LSD 0.10	230	0.9	1.8	0.03	1.8	0.3
CV %	9.8	1.8	1.0	0.28	3.6	3.7

* 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: First planting on May 1, 2008; due to strong wind and blowing sand damage after emergence, replanted on May 28, 2008.

Harvested: October 22, 2008.

Soil Type: Tifton sandy loam.

Fertilization: 96 lb N, 91 lb P₂O₅, and 74 lb K₂O/acre.

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

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0.50	2.25	1.50	1.50	0.00	0.00

Trials conducted by Larry Thompson.

**Plains, Georgia:
Later Maturity Cotton Variety Performance, 2008, Irrigated**

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length*		
			%	inches		
BCSX0721B2RF	1773	45.3	84.0	1.21	29.5	4.1
BCSX0727B2RF	1677	44.3	82.3	1.16	30.3	4.4
PHY485WRF	1584	42.8	83.5	1.20	30.9	4.3
DP174RF	1580	45.5	83.2	1.20	29.7	4.4
GA2004137	1559	45.1	83.5	1.22	33.2	4.7
BCSX0102LLB2	1552	40.3	83.7	1.26	34.4	4.5
DP 555 BG/RR	1551	42.9	81.8	1.17	32.9	4.2
PHY375WRF	1532	43.6	82.0	1.15	30.6	3.7
GA2004358	1526	43.4	82.7	1.19	31.9	4.6
GA2004392	1509	41.3	83.6	1.15	33.0	4.9
PHY440W	1482	41.8	82.4	1.15	30.9	4.3
PHY425RF	1449	41.0	84.6	1.18	31.3	4.6
PHY480WR	1442	42.0	83.5	1.20	32.6	4.3
DP161B2RF	1401	41.2	84.8	1.25	36.8	3.8
GA2004371	1372	43.8	83.8	1.21	31.9	4.7
BCSX0614B2RF	1370	38.8	83.3	1.21	32.8	4.1
DP 0935 B2RF	1327	42.9	81.8	1.16	30.4	4.1
DP 164 B2RF	1304	42.5	82.7	1.24	33.8	3.8
Average	1499	42.7	83.2	1.19	32.0	4.3
LSD 0.10	164	0.9	1.3	0.03	3.0	0.4
CV %	9.2	1.7	0.9	1.51	5.5	5.7

* 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 30, 2008.

Harvested: October 15, 2008.

Soil Type: Greenville sandy clay loam.

Fertilization: 95 lb N, 110 lb P₂O₅, and 30 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	2.00	1.00	2.00	1.00	0.00	0.00

Trials conducted by Larry Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance, 2008, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
			Index*	%			
DP 0935 B2RF	1937	45.2	82.0		1.12	27.6	4.7
GA2004371	1932	47.4	83.4		1.14	30.2	4.9
DP 555 BG/RR	1926	44.2	82.6		1.15	30.0	4.2
GA2004137	1906	46.7	82.7		1.17	35.7	4.6
DP 164 B2RF	1823	46.4	81.6		1.14	30.5	4.6
BCSX0721B2RF	1785	45.6	83.1		1.18	28.6	4.6
GA2004358	1734	45.7	82.9		1.18	35.1	4.3
DP161B2RF	1730	43.2	83.5		1.22	34.1	4.6
GA2004392	1693	43.6	82.8		1.17	33.8	4.7
DP174RF	1626	48.9	82.5		1.15	29.8	4.5
BCSX0727B2RF	1608	43.9	80.7		1.13	30.0	4.7
BCSX0614B2RF	1605	42.5	81.9		1.14	27.6	4.7
BCSX0102LLB2	1577	44.7	83.3		1.19	32.2	5.0
PHY375WRF	1568	46.1	82.6		1.14	30.3	4.2
PHY480WR	1555	44.1	82.9		1.13	30.0	4.9
PHY485WRF	1529	45.1	82.7		1.14	31.1	4.9
PHY425RF	1401	41.9	83.0		1.15	29.7	4.8
PHY440W	1288	43.7	82.5		1.16	31.9	4.7
Average	1679	44.9	82.6		1.15	31.0	4.6
LSD 0.10	151	0.9	N.S. ¹		0.04	2.7	N.S.
CV %	7.6	1.7	1.1		2.19	5.1	6.4

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

1. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 28, 2008.

Harvested: September 24, 2008.

Soil Type: Tifton loamy sand.

Fertilization: 78 lb N, 54 lb P₂O₅, and 108 lb K₂O/acre.

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

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.80	0.90	2.73	0.00	0.00	0.00

Trials conducted by Larry Thompson.

Tifton, Georgia:
Later Maturity Cotton Variety Performance
including Micro-Gin^a Quality Data, 2008, Irrigated

Variety	MG ¹		MG ¹		Unif. Index ²	MG ¹		MG ¹		MG ¹		Mic. ²	Mic.
	Lint Yield	Lint Yield	Lint	Lint		Unif.	Length ²	Length	Strength ²	Strength	g/tex		
	lb/acre	lb/acre	%	%	%	%	inches	inches	g/tex	g/tex	units	units	
BCSX0102LLB2	1577	1312	44.7	37.9	83.3	81.6	1.19	1.15	32.2	29.8	5.0	5.1	
BCSX0614B2RF	1605	1361	42.5	36.9	81.9	80.3	1.14	1.12	27.6	27.0	4.7	4.8	
BCSX0721B2RF	1785	1586	45.6	40.1	83.1	81.3	1.18	1.13	28.6	26.3	4.6	5.0	
BCSX0727B2RF	1608	1413	43.9	39.1	80.7	80.7	1.13	1.11	30.0	27.4	4.7	5.1	
DP 0935 B2RF	1937	1679	45.2	39.6	82.0	80.7	1.12	1.09	27.6	27.5	4.7	4.9	
DP 164 B2RF	1823	1529	46.4	39.4	81.6	80.8	1.14	1.13	30.5	28.8	4.6	4.9	
DP 555 BG/RR	1926	1739	44.2	40.4	82.6	80.2	1.15	1.08	30.0	27.8	4.2	4.7	
DP161B2RF	1730	1497	43.2	38.2	83.5	81.7	1.22	1.16	34.1	29.8	4.6	5.1	
DP174RF	1626	1360	48.9	41.8	82.5	80.6	1.15	1.11	29.8	26.1	4.5	4.7	
GA2004137	1906	1613	46.7	40.3	82.7	81.7	1.17	1.13	35.7	29.5	4.6	4.8	
GA2004358	1734	1499	45.7	43.2	82.9	81.2	1.18	1.13	35.1	30.2	4.3	4.7	
GA2004371	1932	1619	47.4	41.0	83.4	81.7	1.14	1.11	30.2	28.9	4.9	4.9	
GA2004392	1693	1381	43.6	36.7	82.8	81.9	1.17	1.11	33.8	29.4	4.7	4.9	
PHY375WRF	1568	1320	46.1	39.9	82.6	80.5	1.14	1.08	30.3	26.2	4.2	4.7	
PHY425RF	1401	1227	41.9	37.3	83.0	82.4	1.15	1.09	29.7	28.2	4.8	5.2	
PHY440W	1288	1095	43.7	37.9	82.5	81.3	1.16	1.09	31.9	27.4	4.7	4.9	
PHY480WR	1555	1293	44.1	37.2	82.9	81.7	1.13	1.1	30.0	28.2	4.9	5.0	
PHY485WRF	1529	1221	45.1	37.4	82.7	81.5	1.14	1.09	31.1	28.0	4.9	5.2	
Average	1679	1430	44.9	39.1	82.6	81.2	1.15	1.11	31.0	28.1	4.6	4.9	
LSD 0.10	151	143	0.9	2.3	N.S. ³	0.7	0.04	0.02	2.7	1.7	N.S.	0.2	
CV %	7.6	8.5	1.7	5	1.1	0.7	2.19	1.79	5.1	5.0	6.4	4.4	

1. Micro-Gin quality samples are from total seed cotton harvested from each plot.
2. A random quality sample was taken on the picker during cotton harvest.
3. The F-test indicated no statistical differences at the alpha = .10 probability level; therefore a LSD value was not calculated.

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

Planted: April 28, 2008.

Harvested: September 24, 2008.

Soil Type: Tifton loamy sand.

Fertilization: 78 lb N, 54 lb P₂O₅, and 108 lb K₂O/acre.

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

	May	June	July	Aug.	Sept.
Irrigation (in):	1.80	0.90	2.73	0.00	0.00

Trials conducted by Larry Thompson.

Yield Summary for Later Maturity Cotton Varieties, 2008, Irrigated

Entry	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Bainbridge	Midville	Plains	Tifton							
	----- lb/acre -----										
DP 555 BG/RR	1521 ⁸	2255 ²	1551 ⁷	1926 ³	1813 ¹	44.6	82.0	1.16	31.8	4.2	
BCSX0727B2RF	1727 ²	2136 ⁶	1677 ²	1608 ¹¹	1787 ^{2T}	43.9	82.4	1.16	30.4	4.5	
DP 0935 B2RF	1655 ³	2228 ³	1327 ¹⁷	1937 ¹	1787 ^{2T}	44.1	82.5	1.14	29.7	4.3	
DP174RF	1589 ⁴	2120 ⁷	1580 ⁴	1626 ¹⁰	1729 ³	46.8	83.6	1.20	29.9	4.3	
PHY375WRF	1762 ¹	2010 ⁸	1532 ⁸	1568 ¹⁴	1718 ⁴	44.1	82.7	1.16	30.1	3.9	
DP161B2RF	1508 ¹⁰	2187 ⁴	1401 ¹⁴	1730 ⁸	1707 ⁵	42.3	84.1	1.23	34.7	4.1	
PHY480WR	1492 ¹¹	2291 ¹	1442 ¹³	1555 ¹⁵	1695 ⁶	42.1	84.1	1.18	31.9	4.5	
GA2004358	1523 ⁷	1934 ¹¹	1526 ⁹	1734 ⁷	1679 ⁷	43.7	83.0	1.19	33.5	4.4	
BCSX0102LLB2	1536 ⁶	2006 ⁹	1552 ⁶	1577 ¹³	1668 ⁸	41.7	84.2	1.24	33.8	4.2	
PHY485WRF	1560 ⁵	1987 ¹⁰	1584 ³	1529 ¹⁶	1665 ⁹	43.0	83.4	1.17	31.9	4.5	
BCSX0721B2RF	1472 ¹²	1621 ¹⁷	1773 ¹	1785 ⁶	1663 ¹⁰	45.4	83.6	1.20	29.7	4.3	
GA2004137	1428 ¹⁵	1740 ¹⁵	1559 ⁵	1906 ⁴	1659 ¹¹	44.9	83.5	1.19	33.8	4.6	
GA2004392	1407 ¹⁶	1897 ¹²	1509 ¹⁰	1693 ⁹	1626 ¹²	42.1	83.7	1.17	33.1	4.8	
GA2004371	1511 ⁹	1570 ¹⁸	1372 ¹⁵	1932 ²	1596 ¹³	45.4	84.1	1.18	31.4	4.7	
PHY440W	1451 ¹³	2161 ⁵	1482 ¹¹	1288 ¹⁸	1595 ¹⁴	42.3	82.9	1.17	31.6	4.2	
BCSX0614B2RF	1306 ¹⁷	1872 ¹³	1370 ¹⁶	1605 ¹²	1538 ¹⁵	40.2	83.2	1.20	30.9	4.1	
DP 164 B2RF	1264 ¹⁸	1706 ¹⁶	1304 ¹⁸	1823 ⁵	1524 ¹⁶	43.2	82.8	1.20	32.9	4.1	
PHY425RF	1444 ¹⁴	1794 ¹⁴	1449 ¹²	1401 ¹⁷	1522 ¹⁷	41.5	84.1	1.18	31.8	4.6	
Average	1509	1973	1499	1679	1665	43.4	83.3	1.18	31.8	4.4	
LSD 0.10	166	230	164	151	198	1.2	0.7	0.02	1.4	0.3	
CV %	9.3	9.8	9.2	7.6	9.1	1.9	1.0	1.63	4.4	5.8	

^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, 2007-2008, Irrigated

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
DP 555 BG/RR	1819	44.5	82.4		1.16	30.8	4.4
DP174RF	1677	46.5	83.5		1.20	29.2	4.4
DP161B2RF	1663	41.8	84.2		1.23	32.9	4.2
GA2004371	1638	45.5	83.8		1.17	31.0	4.8
GA2004392	1638	41.8	84.1		1.17	32.3	4.9
DP 164 B2RF	1497	42.0	82.8		1.20	31.5	4.2
Average	1656	43.7	83.5		1.19	31.3	4.5
LSD 0.10	79	0.3	0.5		0.01	0.7	0.2
CV %	11.6	1.6	1.1		2.02	4.0	5.9

^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).