

Athens, Georgia: Dryland Later Maturity Cotton Variety Performance, 2008

Variety	Lint Yield lb/acre	Lint %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
BCSX0614B2RF	1191	43.2	83.0	1.16	31.3	5.3
DP 0935 B2RF	1173	45.9	82.1	1.09	30.2	5.6
GA2004137	1121	46.6	82.4	1.15	33.3	5.3
DP161B2RF	1103	43.4	82.5	1.15	31.2	5.7
PHY375WRF	1077	46.9	82.7	1.08	28.9	5.2
GA2004392	1013	44.0	84.0	1.11	33.5	5.7
BCSX0102LLB2	1011	43.7	83.1	1.19	33.6	5.4
GA2004358	1008	46.5	82.6	1.12	30.8	5.5
DP 164 B2RF	1002	41.0	82.9	1.15	31.0	5.0
BCSX0727B2RF	996	45.6	82.7	1.09	29.9	5.6
PHY480WR	993	43.1	82.8	1.12	32.1	5.4
DP174RF	991	47.7	81.6	1.13	29.6	5.3
PHY440W	989	45.7	82.6	1.08	32.7	5.2
GA2004371	965	46.9	83.9	1.12	30.5	5.7
DP 555 BG/RR	944	44.4	82.6	1.13	31.9	4.6
BCSX0721B2RF	920	46.3	82.0	1.07	29.0	5.8
PHY485WRF	918	44.0	83.1	1.10	30.2	5.3
PHY425RF	869	44.7	82.9	1.08	30.9	5.5
Average	1016	45.0	82.7	1.12	31.1	5.4
LSD 0.10	N.S. ¹	0.7	N.S.	0.03	2.6	0.3
CV %	16.2	1.3	1.1	1.78	4.8	3.5

* 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

Planted: May 6, 2008.

Harvested: October 27, 2008.

Soil Type: Appling coarse sandy loam.

Fertilization: 117 lb N, 57 lb P₂O₅, and 57 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

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

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
BCSX0727B2RF	1610	41.7	82.9	1.22	28.5	4.6
DP174RF	1534	44.8	82.9	1.21	29.5	4.6
DP 0935 B2RF	1533	43.2	83.6	1.17	28.4	4.6
PHY425RF	1510	39.8	84.6	1.21	30.4	4.8
PHY375WRF	1489	41.9	82.2	1.17	30.7	4.9
DP 164 B2RF	1471	37.7	83.9	1.23	34.1	4.2
GA2004137	1429	40.5	84.8	1.22	33.5	4.8
DP 555 BG/RR	1427	40.9	83.1	1.17	32.3	4.3
PHY480WR	1424	40.4	83.3	1.21	29.7	5.0
BCSX0102LLB2	1418	40.4	85.2	1.27	32.4	4.5
GA2004371	1404	42.9	84.8	1.20	32.9	4.6
PHY440W	1369	40.6	81.5	1.18	31.4	5.3
DP161B2RF	1351	37.5	83.0	1.22	32.3	4.6
BCSX0614B2RF	1334	37.2	84.6	1.24	33.6	4.2
GA2004392	1332	38.9	85.5	1.22	32.3	4.7
BCSX0721B2RF	1244	41.8	83.3	1.22	28.9	4.5
PHY485WRF	1231	39.4	84.0	1.21	31.3	5.0
GA2004358	1212	40.7	83.6	1.21	33.6	4.6
Average	1407	40.6	83.7	1.21	31.4	4.6
LSD 0.10	222	1.4	1.5	0.04	2.3	0.4
CV %	13.3	2.9	1.1	1.94	4.3	4.8

* 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 23, 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.

Trials conducted by Larry Thompson.

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

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
DP 555 BG/RR	1109	44.0	82.9	1.18	34.7	4.7
GA2004358	963	42.0	83.7	1.22	33.6	4.8
DP 0935 B2RF	912	44.4	81.8	1.17	30.3	4.8
GA2004137	908	45.1	83.8	1.21	35.4	5.1
GA2004371	880	42.6	83.9	1.22	35.2	5.2
BCSX0727B2RF	851	43.6	83.0	1.20	31.1	4.9
PHY375WRF	850	45.0	81.7	1.16	30.0	4.8
BCSX0102LLB2	849	40.8	84.2	1.25	37.5	5.1
DP174RF	845	46.1	83.6	1.20	32.3	4.9
BCSX0614B2RF	836	39.4	83.8	1.23	34.1	4.7
PHY485WRF	805	41.7	83.5	1.19	34.5	5.3
PHY440W	741	42.8	83.5	1.17	34.3	4.9
DP 164 B2RF	730	40.6	83.7	1.25	36.0	4.8
DP161B2RF	717	41.0	83.7	1.22	37.3	4.9
BCSX0721B2RF	713	43.5	83.6	1.23	31.6	4.7
GA2004392	707	42.2	82.9	1.19	33.8	5.3
PHY425RF	682	41.6	81.8	1.19	33.1	5.3
PHY480WR	645	41.6	83.0	1.20	33.6	4.7
Average	819	42.6	83.2	1.20	33.8	4.9
LSD 0.10	160	1.9	1.0	0.04	2.6	N.S. ¹
CV %	16.5	3.8	0.7	1.74	4.5	6.8

* 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 30, 2008.

Harvested: October 16, 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.

Trials conducted by Larry Thompson.

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

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
DP 555 BG/RR	1289	45.1	82.9	1.13	33.7	4.9
GA2004137	1286	44.4	83.0	1.15	34.5	4.7
GA2004358	1261	46.7	83.2	1.16	33.2	5.1
DP174RF	1242	49.0	82.5	1.17	28.8	5.1
GA2004371	1241	46.7	82.6	1.13	34.0	5.4
DP 164 B2RF	1158	44.1	82.8	1.15	31.0	5.0
PHY425RF	1059	44.4	83.9	1.14	33.2	5.2
DP 0935 B2RF	1022	42.2	82.0	1.15	30.4	4.9
BCSX0614B2RF	982	41.9	83.1	1.19	34.5	4.8
DP161B2RF	981	42.1	83.5	1.22	34.5	5.1
BCSX0721B2RF	930	46.3	81.5	1.16	31.5	4.9
GA2004392	919	42.9	83.0	1.14	34.0	5.1
PHY485WRF	913	44.3	81.9	1.12	32.3	5.2
PHY480WR	913	44.0	82.6	1.14	30.7	5.0
PHY375WRF	912	48.2	81.3	1.10	28.9	4.9
BCSX0102LLB2	909	45.2	82.7	1.19	33.7	5.1
BCSX0727B2RF	781	46.0	81.1	1.11	29.9	5.4
PHY440W	736	45.2	81.7	1.14	30.4	4.9
Average	1030	44.9	82.5	1.15	32.1	5.0
LSD 0.10	266	1.3	N.S. ¹	0.04	3.0	N.S.
CV %	21.8	2.5	1.0	2.34	5.3	4.9

* 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.

Trials conducted by Larry Thompson.

Yield Summary for Dryland Later Maturity Cotton Varieties, 2008

Entry	Lint Yield ^a					Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton	4-Loc. Average					
DP 555 BG/RR	944 ¹⁵	1427 ⁸	1109 ¹	1289 ¹	1192 ¹	43.6	82.9	1.15	33.1	4.6
GA2004137	1121 ³	1429 ⁷	908 ⁴	1286 ²	1186 ²	44.1	83.5	1.18	34.2	5.0
DP 0935 B2RF	1173 ²	1533 ³	912 ³	1022 ⁸	1160 ³	43.9	82.3	1.14	29.8	5.0
DP174RF	991 ¹²	1534 ²	845 ⁹	1242 ⁴	1153 ⁴	46.9	82.6	1.18	30.0	4.9
GA2004371	965 ¹⁴	1404 ¹¹	880 ⁵	1241 ⁵	1122 ⁵	44.7	83.8	1.17	33.1	5.2
GA2004358	1008 ⁸	1212 ¹⁸	963 ²	1261 ³	1111 ⁶	44.0	83.2	1.18	32.8	5.0
DP 164 B2RF	1002 ⁹	1471 ⁶	730 ¹³	1158 ⁶	1090 ⁷	40.8	83.3	1.19	33.0	4.7
BCSX0614B2RF	1191 ¹	1334 ¹⁴	836 ¹⁰	982 ⁹	1086 ⁸	40.4	83.6	1.20	33.4	4.8
PHY375WRF	1077 ⁵	1489 ⁵	850 ⁷	912 ¹⁴	1082 ⁹	45.5	82.0	1.13	29.6	4.9
BCSX0727B2RF	996 ¹⁰	1610 ¹	851 ⁶	781 ¹⁶	1059 ¹⁰	44.2	82.4	1.15	29.8	5.1
BCSX0102LLB2	1011 ⁷	1418 ¹⁰	849 ⁸	909 ¹⁵	1047 ¹¹	42.5	83.8	1.22	34.3	5.0
DP161B2RF	1103 ⁴	1351 ¹³	717 ¹⁴	981 ¹⁰	1038 ¹²	41.0	83.2	1.20	33.8	5.1
PHY425RF	869 ¹⁸	1510 ⁴	682 ¹⁷	1059 ⁷	1030 ¹³	42.6	83.3	1.15	31.9	5.2
GA2004392	1013 ⁶	1332 ¹⁵	707 ¹⁶	919 ¹²	993 ^{14T}	42.0	83.9	1.16	33.4	5.2
PHY480WR	993 ¹¹	1424 ⁹	645 ¹⁸	913 ^{13T}	993 ^{14T}	42.2	82.9	1.17	31.5	5.0
PHY485WRF	918 ¹⁷	1231 ¹⁷	805 ¹¹	913 ^{13T}	967 ¹⁵	42.3	83.1	1.15	32.1	5.2
PHY440W	989 ¹³	1369 ¹²	741 ¹²	736 ¹⁷	959 ¹⁶	43.5	82.3	1.14	32.2	5.1
BCSX0721B2RF	920 ¹⁶	1244 ¹⁶	713 ¹⁵	930 ¹¹	952 ¹⁷	44.4	82.6	1.17	30.2	5.0
Average	1016	1407	819	1030	1068	43.3	83.0	1.17	32.1	5
LSD 0.10	N.S. ^b	222	160	266	137	1.2	0.8	0.02	1.4	0.3
CV %	16.2	13.3	16.5	21.6	16.9	2.8	1.0	1.96	4.7	5.1

^a Superscripts indicate ranking at that location.

^b 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).

**Two-Year Summary for Dryland 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 %				
GA2004371	1010	45.4	83.0		1.12	31.2	5.0
DP 555 BG/RR	998	43.9	81.7		1.11	30.8	4.5
DP174RF	934	46.4	82.0		1.14	28.9	4.6
GA2004392	925	42.5	82.9		1.12	32.1	5.0
DP 164 B2RF	915	41.2	82.3		1.16	30.8	4.5
DP161B2RF	885	41.4	82.3		1.17	31.9	4.7
Average	944	43.5	82.4		1.14	31.0	4.7
LSD 0.10	67	0.5	0.5		0.01	0.9	0.2
CV %	17.0	2.7	1.0		1.99	4.9	6.1

^a Athens, Midville, Plains, and Tifton.

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