

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

Variety	Lint Yield lb/acre	Lint %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
PHY440W	1145	45.3	83.9	1.12	33.1	5.3
FM1740B2RF	1123	46.3	82.9	1.12	30.7	5.4
BCSX0888LLB2	1056	44.2	83.6	1.14	32.2	5.6
DP161B2RF	1041	42.0	84.0	1.20	32.3	5.2
GA2004143	1039	48.6	83.3	1.15	33.0	5.3
STX4498B2RF	1038	43.4	83.7	1.13	32.9	4.9
ST5327B2RF	1034	45.2	82.8	1.11	30.8	4.7
CG3035RF	1028	45.2	82.6	1.12	28.0	5.1
DP 0935 B2RF	1024	44.9	82.7	1.13	30.9	5.2
DP 143 B2RF	1022	44.4	82.5	1.16	29.9	5.0
CG4020B2RF	1020	44.3	82.8	1.13	27.7	4.8
BCSX0187LLB2	991	44.5	81.6	1.11	31.6	5.2
CG3520B2RF	989	43.9	82.9	1.13	28.4	5.0
FM1735LLB2	986	41.3	83.9	1.13	36.0	5.1
DP 555 BG/RR	985	44.5	81.7	1.12	32.0	4.8
GA2004303	981	45.0	82.2	1.12	31.0	5.4
ST4427B2RF	974	43.8	83.1	1.12	31.5	4.8
ST 4554B2RF	955	45.1	82.9	1.10	30.7	5.6
NG3331B2RF	954	44.9	85.5	1.08	33.9	5.7
GA2004230	953	45.4	83.6	1.21	31.4	5.2
DP 164 B2RF	933	40.2	83.1	1.16	31.8	5.2
NG4370B2RF	932	43.7	83.2	1.11	30.0	5.0
DP141B2RF	932	43.1	83.8	1.20	32.5	4.8
CG 3220B2RF	927	44.8	83.1	1.12	29.3	5.2
PHY315RF	925	46.5	82.2	1.09	29.0	5.0
AM1532B2RF	909	43.1	82.7	1.14	26.1	4.7
PHY370WR	883	45.3	82.6	1.07	31.3	5.0
NG4377B2RF	880	43.9	83.1	1.10	29.5	5.2
PHY375WRF	866	46.4	82.2	1.12	28.8	5.0
DP 121 RF	862	45.5	84.0	1.12	31.0	5.6
PHY485WRF	846	44.2	83.3	1.12	32.2	5.4
DP 0924 B2RF	822	45.1	82.9	1.11	31.0	5.5
CG3020B2RF	818	40.9	83.1	1.12	28.6	4.5
PHY425RF	805	43.9	84.2	1.11	30.7	5.4
AM1550B2RF	782	45.7	82.8	1.11	29.2	5.3
PHY480WR	740	42.9	84.1	1.13	32.2	5.3
Average	950	44.4	83.1	1.12	30.8	5.1
LSD 0.10	146	1.2	0.9	0.03	2.0	0.4
CV %	13.1	2.3	0.7	1.49	3.9	5.1

* 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 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 Larrv Thompson.

Midville, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2008

Variety	Lint Yield lb/acre	Lint %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
GA2004303	1559	42.8	82.2	1.15	33.9	4.6
GA2004230	1475	41.0	85.3	1.29	31.6	4.3
DP 555 BG/RR	1440	40.5	81.9	1.18	30.7	4.5
DP 0935 B2RF	1425	39.7	82.6	1.15	30.4	4.4
PHY370WR	1399	41.2	82.9	1.12	30.4	4.6
DP 0924 B2RF	1377	40.2	83.1	1.16	29.8	4.8
DP 143 B2RF	1368	38.4	82.8	1.28	32.0	4.4
NG3331B2RF	1363	40.0	84.3	1.17	33.1	5.1
PHY315RF	1356	39.8	82.7	1.18	29.4	4.2
DP141B2RF	1331	38.8	83.7	1.24	32.7	4.6
GA2004143	1321	42.3	84.3	1.27	35.8	4.4
NG4370B2RF	1313	40.1	83.0	1.17	30.1	4.4
PHY425RF	1300	39.0	84.7	1.21	30.0	4.7
PHY375WRF	1286	44.9	83.1	1.18	31.0	4.3
BCSX0187LLB2	1283	40.0	83.4	1.19	33.2	4.7
BCSX0888LLB2	1277	40.5	84.0	1.20	33.0	5.0
FM1740B2RF	1248	40.8	83.6	1.18	33.2	4.5
ST5327B2RF	1245	38.7	82.4	1.16	31.5	4.4
STX4498B2RF	1235	38.0	81.9	1.15	31.8	4.6
DP161B2RF	1220	36.0	82.8	1.18	30.4	4.2
NG4377B2RF	1203	40.3	82.5	1.12	29.5	5.3
CG 3220B2RF	1183	39.0	81.9	1.18	31.3	4.8
FM1735LLB2	1180	39.1	82.0	1.15	34.3	4.8
ST 4554B2RF	1179	39.4	82.9	1.16	32.8	4.7
DP 121 RF	1173	40.5	83.8	1.17	31.1	4.5
PHY485WRF	1167	38.4	83.9	1.21	32.0	4.8
DP 164 B2RF	1158	37.4	82.9	1.20	32.7	4.7
CG3520B2RF	1143	39.7	84.1	1.16	27.3	4.2
CG3035RF	1142	41.2	83.2	1.18	30.5	4.4
AM1550B2RF	1134	39.4	81.3	1.14	28.7	4.5
AM1532B2RF	1104	39.3	82.0	1.21	28.0	4.5
CG4020B2RF	1094	40.5	83.7	1.24	28.2	4.5
PHY480WR	1090	38.6	82.4	1.20	30.9	4.9
PHY440W	1072	39.5	85.0	1.22	30.5	4.9
ST4427B2RF	1065	37.9	82.7	1.16	29.4	4.2
CG3020B2RF	994	37.0	83.6	1.16	27.4	3.8
Average	1247	39.7	83.1	1.18	31.0	4.5
LSD 0.10	148	1.2	1.7	0.05	2.4	0.5
CV %	10.1	2.6	1.2	2.45	4.6	6.9

* 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.

Trials conducted by Larry Thompson.

Plains, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2008

Variety	Lint Yield lb/acre	Lint %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
GA2004143	1146	46.7	82.9	1.21	37.2	5.1
DP 555 BG/RR	1120	44.7	81.4	1.16	34.1	4.7
GA2004230	1100	42.9	84.8	1.26	35.4	4.9
ST4427B2RF	1081	43.5	83.5	1.19	33.2	4.4
GA2004303	1002	46.2	83.7	1.19	35.3	5.0
DP141B2RF	983	42.8	83.3	1.26	36.1	4.9
PHY315RF	970	44.1	82.8	1.18	33.1	4.8
DP 143 B2RF	961	42.9	83.7	1.28	33.7	4.5
DP 0935 B2RF	951	44.5	83.1	1.16	31.9	4.6
NG4370B2RF	937	41.9	83.3	1.19	34.3	4.9
NG3331B2RF	932	43.6	83.6	1.18	35.6	5.2
ST5327B2RF	917	44.5	83.7	1.18	34.8	5.0
PHY440W	887	43.2	82.9	1.17	35.6	5.0
AM1550B2RF	880	44.0	83.2	1.18	31.2	5.1
DP161B2RF	842	41.4	83.7	1.23	37.1	4.9
AM1532B2RF	832	39.8	83.1	1.22	31.2	4.2
PHY370WR	817	45.5	82.9	1.14	31.5	4.9
PHY480WR	811	40.5	83.1	1.19	35.9	5.0
BCSX0187LLB2	796	41.9	82.6	1.19	35.8	4.8
BCSX0888LLB2	775	42.6	82.9	1.18	35.4	5.2
STX4498B2RF	773	41.3	81.9	1.15	34.4	4.8
FM1740B2RF	772	44.4	84.1	1.19	32.2	4.8
ST 4554B2RF	772	43.4	81.6	1.15	32.5	4.9
CG 3220B2RF	772	41.8	83.4	1.20	31.4	4.9
PHY485WRF	772	41.5	82.6	1.19	35.4	5.0
CG4020B2RF	770	42.0	81.9	1.18	31.8	4.4
DP 0924 B2RF	738	43.8	82.2	1.17	33.6	4.9
NG4377B2RF	733	42.9	82.2	1.17	32.8	4.9
CG3520B2RF	713	41.4	82.7	1.19	30.1	4.5
DP 164 B2RF	709	40.1	82.8	1.23	35.7	4.9
FM1735LLB2	698	41.2	82.9	1.16	38.3	4.6
PHY375WRF	681	44.9	82.9	1.16	32.3	5.0
PHY425RF	671	41.7	83.4	1.19	32.7	5.2
CG3035RF	668	43.1	84.0	1.23	33.4	4.8
CG3020B2RF	660	40.5	81.9	1.14	30.4	3.8
DP 121 RF	654	43.7	83.2	1.18	35.5	4.7
Average	842	42.9	83.0	1.19	33.9	4.8
LSD 0.10	182	1.4	N.S. ¹	0.03	1.9	0.4
CV %	18.5	2.8	1.1	1.76	3.2	5.5

* 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 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 Earlier Maturity Cotton Variety Performance, 2008

Variety	Lint Yield lb/acre	Lint %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
GA2004230	979	45.3	84.3	1.25	34.3	4.4
GA2004303	963	46.6	81.9	1.12	34.2	5.2
DP161B2RF	953	43.2	82.9	1.20	34.1	4.9
DP 0935 B2RF	933	45.8	82.2	1.15	29.6	4.8
DP141B2RF	904	49.0	80.9	1.18	30.6	4.7
FM1740B2RF	888	46.1	82.7	1.13	30.1	4.8
ST 4554B2RF	864	44.9	80.6	1.13	30.7	5.0
NG4377B2RF	860	45.4	82.0	1.10	29.1	4.8
PHY375WRF	805	48.3	81.0	1.11	29.2	5.1
PHY370WR	787	46.0	81.9	1.07	30.7	5.2
DP 164 B2RF	779	44.8	82.9	1.18	32.9	5.0
PHY485WRF	775	43.3	82.5	1.14	33.8	4.9
FM1735LLB2	772	40.7	82.6	1.14	33.5	4.6
DP 555 BG/RR	753	45.5	81.2	1.10	33.3	4.9
DP 143 B2RF	749	44.0	81.3	1.22	31.2	4.5
DP 0924 B2RF	740	45.6	82.0	1.12	30.8	5.4
AM1550B2RF	737	46.3	80.3	1.12	27.9	5.1
CG3020B2RF	706	44.1	81.0	1.11	26.3	4.7
PHY480WR	702	45.1	82.2	1.13	30.5	5.2
NG3331B2RF	696	44.8	82.2	1.09	34.2	5.5
CG4020B2RF	677	45.8	81.7	1.15	28.1	4.6
NG4370B2RF	647	43.2	82.0	1.11	31.3	5.2
GA2004143	642	49.3	81.4	1.16	34.2	4.9
CG3035RF	639	46.1	81.8	1.09	29.0	5.0
PHY425RF	632	45.6	81.1	1.10	33.1	5.2
ST5327B2RF	628	46.2	81.8	1.13	31.9	5.0
DP 121 RF	617	47.4	81.8	1.11	31.7	5.4
PHY440W	616	44.7	82.8	1.14	30.3	4.8
PHY315RF	611	46.3	82.2	1.12	29.6	4.9
AM1532B2RF	594	45.1	83.0	1.13	29.2	4.9
CG 3220B2RF	593	46.9	80.5	1.11	27.8	5.1
BCSX0187LLB2	571	44.4	81.5	1.11	32.1	4.6
STX4498B2RF	551	44.8	82.5	1.15	34.0	4.8
ST4427B2RF	543	45.6	81.3	1.09	31.3	5.1
CG3520B2RF	504	43.2	84.3	1.19	28.3	4.5
BCSX0888LLB2	467	43.5	82.9	1.19	36.4	5.4
Average	719	45.3	82.0	1.13	31.2	4.9
LSD 0.10	239	1.7	1.4	0.05	2.5	0.3
CV %	28.3	3.2	0.9	2.54	4.8	4.0

* 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: April 29, 2008.

Harvested: September 23, 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 Earlier Maturity Cotton Varieties, 2008

Entry	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains	Tifton							
	-----lb/acre-----										
GA2004230	953 ²⁰	1475 ²	1100 ³	979 ¹	1127 ¹	43.6	84.5	1.25	33.2	4.7	
GA2004303	981 ¹⁶	1559 ¹	1002 ⁵	963 ²	1126 ²	45.1	82.5	1.14	33.6	5.0	
DP 0935 B2RF	1024 ⁹	1425 ⁴	951 ⁹	933 ⁴	1083 ³	43.7	82.6	1.14	30.7	4.7	
DP 555 BG/RR	985 ¹⁵	1440 ³	1120 ²	753 ¹⁴	1074 ⁴	43.8	81.5	1.14	32.5	4.7	
DP141B2RF	932 ^{22T}	1331 ¹⁰	983 ⁶	904 ⁵	1037 ^{5T}	43.4	82.9	1.22	33.0	4.7	
GA2004143	1039 ⁵	1321 ¹¹	1146 ¹	642 ²³	1037 ^{5T}	46.7	83.0	1.20	35.0	4.9	
DP 143 B2RF	1022 ¹⁰	1368 ⁷	961 ⁸	749 ¹⁵	1025 ⁶	42.4	82.6	1.23	31.7	4.6	
DP161B2RF	1041 ⁴	1220 ²⁰	842 ¹⁵	953 ³	1014 ⁷	40.6	83.3	1.20	33.5	4.8	
FM1740B2RF	1123 ²	1248 ¹⁷	772 ^{22T}	888 ⁶	1008 ⁸	44.4	83.3	1.15	31.5	4.9	
NG3331B2RF	954 ¹⁹	1363 ⁸	932 ¹¹	696 ²⁰	986 ⁹	43.3	83.9	1.13	34.2	5.4	
PHY370WR	883 ²⁶	1399 ⁵	817 ¹⁷	787 ¹⁰	972 ¹⁰	44.5	82.6	1.10	31.0	4.9	
PHY315RF	925 ²⁴	1356 ⁹	970 ⁷	611 ²⁹	965 ¹¹	44.2	82.4	1.14	30.3	4.7	
NG4370B2RF	932 ^{22T}	1313 ¹²	937 ¹⁰	647 ²²	958 ¹²	42.2	82.9	1.14	31.4	4.9	
ST5327B2RF	1034 ⁷	1245 ¹⁸	917 ¹²	628 ²⁶	956 ¹³	43.6	82.7	1.14	32.3	4.7	
ST 4554B2RF	955 ¹⁸	1179 ²⁴	772 ^{22T}	864 ⁷	943 ¹⁴	43.2	82.0	1.13	31.7	5.0	
PHY440W	1145 ¹	1072 ³⁴	887 ¹³	616 ²⁸	930 ¹⁵	43.2	83.6	1.16	32.3	5.0	
DP 0924 B2RF	822 ³¹	1377 ⁶	738 ²⁴	740 ¹⁶	919 ^{16T}	43.7	82.5	1.14	31.3	5.1	
NG4377B2RF	880 ²⁷	1203 ²¹	733 ²⁵	860 ⁸	919 ^{16T}	43.1	82.4	1.12	30.2	5.0	
ST4427B2RF	974 ¹⁷	1065 ³⁵	1081 ⁴	543 ³⁴	916 ¹⁷	42.7	82.7	1.14	31.3	4.6	
BCSX0187LLB2	991 ¹²	1283 ¹⁵	796 ¹⁹	571 ³²	910 ^{18T}	42.7	82.2	1.15	33.2	4.8	
PHY375WRF	866 ²⁸	1286 ¹⁴	681 ²⁹	805 ⁹	910 ^{18T}	46.1	82.3	1.14	30.3	4.8	
FM1735LLB2	986 ¹⁴	1180 ²³	698 ²⁸	772 ¹³	909 ¹⁹	40.6	82.8	1.14	35.5	4.8	
STX4498B2RF	1038 ⁶	1235 ¹⁹	773 ²¹	551 ³³	899 ²⁰	41.9	82.5	1.14	33.2	4.8	
DP 164 B2RF	933 ²¹	1158 ²⁷	709 ²⁷	779 ¹¹	895 ²¹	40.6	82.9	1.19	33.2	4.9	
BCSX0888LLB2	1056 ³	1277 ¹⁶	775 ²⁰	467 ³⁶	894 ²²	42.7	83.3	1.17	34.2	5.3	
CG4020B2RF	1020 ¹¹	1094 ³²	770 ²³	677 ²¹	890 ^{23T}	43.1	82.5	1.17	28.9	4.5	
PHY485WRF	846 ³⁰	1167 ²⁶	772 ^{22T}	775 ¹²	890 ^{23T}	41.8	83.0	1.16	33.3	5.0	
AM1550B2RF	782 ³⁴	1134 ³⁰	880 ¹⁴	737 ¹⁷	883 ²⁴	43.8	81.9	1.14	29.2	5.0	
CG 3220B2RF	927 ²³	1183 ²²	772 ^{22T}	593 ³¹	869 ^{25T}	43.1	82.2	1.15	29.9	5.0	
CG3035RF	1028 ⁸	1142 ²⁹	668 ³¹	639 ²⁴	869 ^{25T}	43.9	82.9	1.15	30.2	4.8	
AM1532B2RF	909 ²⁵	1104 ³¹	832 ¹⁶	594 ³⁰	860 ²⁶	41.8	82.7	1.17	28.6	4.6	
PHY425RF	805 ³³	1300 ¹³	671 ³⁰	632 ²⁵	852 ²⁷	42.5	83.3	1.15	31.6	5.1	
CG3520B2RF	989 ¹³	1143 ²⁸	713 ²⁶	504 ³⁵	837 ²⁸	42.0	83.5	1.17	28.5	4.5	
PHY480WR	740 ³⁵	1090 ³³	811 ¹⁸	702 ¹⁹	836 ²⁹	41.8	83.0	1.16	32.4	5.1	
DP 121 RF	862 ²⁹	1173 ²⁵	654 ³³	617 ²⁷	827 ³⁰	44.3	83.2	1.14	32.3	5.0	
CG3020B2RF	818 ³²	994 ³⁶	660 ³²	706 ¹⁸	794 ³¹	40.6	82.4	1.13	28.2	4.2	
Average	950	1247	842	719	939	43.1	82.8	1.16	31.8	4.8	
LSD 0.10	146	148	182	239	127	1.2	0.8	0.02	1.3	0.2	
CV %	13.1	10.1	18.5	28.3	16.6	2.8	1.0	2.11	4.2	5.4	

^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 Dryland Earlier Maturity Cotton Varieties at Four Locations^a, 2007-2008

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
GA2004303	966	44.3	81.8		1.10	31.2	4.7
ST5327B2RF	907	44.2	82.3		1.11	30.8	4.5
PHY370WR	891	44.2	82.2		1.08	30.1	4.6
ST4427B2RF	885	42.7	81.9		1.11	30.3	4.3
PHY315RF	873	44.6	81.7		1.11	29.1	4.4
DP141B2RF	870	42.8	81.7		1.17	31.3	4.4
CG3035RF	865	44.1	82.4		1.11	29.6	4.5
DP161B2RF	862	40.8	82.5		1.17	31.6	4.5
PHY375WRF	861	45.5	81.8		1.12	29.4	4.5
ST 4554B2RF	858	43.1	81.8		1.11	30.5	4.6
FM1735LLB2	850	40.9	82.3		1.13	33.5	4.4
STX4498B2RF	847	42.6	82.2		1.11	32.0	4.5
PHY485WRF	843	42.8	83.0		1.13	31.6	4.7
DP 143 B2RF	842	41.7	81.9		1.19	30.0	4.2
CG3520B2RF	834	42.4	82.9		1.14	27.5	4.3
AM1532B2RF	833	42.1	82.2		1.15	27.8	4.2
CG 3220B2RF	833	42.5	82.1		1.13	29.3	4.6
DP 121 RF	832	44.4	82.6		1.12	30.9	4.8
PHY425RF	808	42.9	82.8		1.12	30.5	4.8
CG4020B2RF	793	42.6	81.7		1.14	27.7	4.2
PHY480WR	778	42.2	82.7		1.13	30.9	4.8
CG3020B2RF	753	40.7	82.0		1.10	27.5	3.9
Average	849	42.9	82.2		1.13	30.1	4.5
LSD 0.10	61	0.5	0.5		0.02	0.7	0.1
CV %	17.4	2.7	0.9		2.28	4.0	5.6

^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).