

Athens, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2010

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
PHY 499 WRF	1685	46.3	83.6	1.16	33.0	5.2
DP 1028 B2RF	1594	47.9	83.2	1.14	29.8	5.1
GA2006053	1449	42.3	83.5	1.18	29.4	5.0
CG3035RF	1403	44.9	81.9	1.14	30.1	5.2
PHY 367 WRF	1384	44.5	81.1	1.11	29.9	4.7
PHY 375 WRF	1380	45.5	82.9	1.14	29.2	4.6
All-Tex 7A21	1339	45.7	84.0	1.19	30.9	5.0
GA2006106	1296	44.5	82.7	1.22	33.2	4.9
All-Tex LA122	1292	45.1	83.4	1.18	29.1	4.6
NG 3331 B2RF	1280	44.1	82.5	1.10	32.2	5.1
Dyna-Gro 2570B2RF	1271	44.7	83.2	1.15	30.6	5.0
DP 0912 B2RF	1238	45.8	82.0	1.07	29.7	5.4
DP 0920 B2RF	1234	44.8	81.5	1.13	29.0	4.9
CG4020B2RF	1233	43.0	83.7	1.18	27.9	4.5
DP 1032 B2RF	1230	45.4	83.4	1.18	30.6	4.6
All-Tex A102	1229	43.7	82.1	1.20	30.7	4.8
DP 0924 B2RF	1212	45.3	81.7	1.10	28.6	5.0
AM 1550 B2RF	1194	44.0	82.8	1.12	28.5	4.6
CG3520B2RF	1189	43.7	81.7	1.11	26.6	4.5
GA2007095	1165	43.4	83.3	1.20	30.9	4.7
SSG CT Linwood	1152	43.6	83.1	1.15	33.7	5.3
ST 4288B2F	1151	42.5	82.2	1.12	29.1	5.0
FM1740B2RF	1146	44.9	81.5	1.12	30.0	5.2
CG3220B2RF	1141	43.8	82.6	1.11	28.9	4.7
CG3020B2RF	1129	44.1	82.0	1.07	27.8	4.7
NG 8015 B2RF	1106	43.4	83.2	1.17	32.4	4.8
NG 4012 B2RF	900	45.9	81.8	1.10	31.4	4.4
NG 4010 B2RF	845	45.1	82.0	1.12	30.6	4.6
Average	1245	44.6	82.6	1.14	30.1	4.8
LSD 0.10	182	1.2	0.9	0.04	1.4	0.5
CV %	12.4	2.2	0.6	2.24	2.8	5.9

* 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: May 10, 2010.

Harvested: November 2, 2010.

Soil Type: Cecil coarse sandy loam.

Fertilization: 180 lb N, 80 lb P₂O₅, and 80 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Midville, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2010

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
			Index*	%			
PHY 499 WRF	1580	45.1	84.4		1.15	32.4	5.2
DP 1032 B2RF	1415	43.6	82.8		1.16	30.7	4.6
DP 0912 B2RF	1390	43.4	83.0		1.08	31.3	5.2
DP 1028 B2RF	1362	45.4	84.2		1.16	28.2	4.9
GA2007095	1355	42.0	82.7		1.16	30.4	4.8
NG 3331 B2RF	1251	41.8	83.5		1.09	32.8	5.2
FM1740B2RF	1237	42.4	83.2		1.10	29.3	4.8
DP 0924 B2RF	1218	42.8	83.6		1.11	28.7	5.0
CG3035RF	1213	42.5	83.4		1.12	28.9	4.9
Dyna-Gro 2570B2RF	1174	41.3	83.0		1.13	30.4	4.6
SSG CT Linwood	1165	41.8	83.0		1.10	32.4	5.3
DP 0920 B2RF	1163	43.8	83.4		1.15	27.4	4.8
PHY 375 WRF	1161	43.2	83.6		1.13	29.0	4.6
AM 1550 B2RF	1159	41.4	83.9		1.13	29.8	4.6
All-Tex LA122	1151	42.3	82.9		1.14	26.9	4.7
PHY 367 WRF	1125	42.1	82.9		1.14	30.0	4.4
GA2006053	1123	37.9	83.7		1.18	28.8	5.0
All-Tex A102	1074	40.1	84.0		1.21	30.9	4.5
NG 8015 B2RF	1074	38.3	84.8		1.20	33.4	4.8
CG3520B2RF	1068	39.3	84.4		1.14	26.1	4.5
GA2006106	1042	38.5	84.3		1.23	32.0	4.5
All-Tex 7A21	1030	41.7	84.2		1.20	31.6	4.7
CG3220B2RF	1028	40.8	83.8		1.14	30.0	4.8
ST 4288B2F	1027	37.8	82.6		1.16	28.2	4.6
CG4020B2RF	1023	40.7	83.9		1.16	26.9	4.1
NG 4012 B2RF	984	41.4	84.0		1.21	33.1	4.5
NG 4010 B2RF	952	39.7	82.7		1.14	31.3	4.9
CG3020B2RF	931	39.4	83.5		1.11	28.2	4.2
Average	1160	41.4	83.5		1.14	29.9	4.7
LSD 0.10	183	1.1	N.S. ¹		0.06	2.1	0.5
CV %	13.4	2.3	1.0		3.13	4.1	6.2

* 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 7, 2010.

Harvested: October 6, 2010.

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

Fertilization: 100 lb N, 115 lb P₂O₅, and 30 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Plains, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2010

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
PHY 499 WRF	551	45.4	82.2	1.01	30.1	4.6
DP 1028 B2RF	542	47.2	82.1	1.04	28.2	5.1
PHY 367 WRF	504	42.2	80.9	1.05	27.4	4.1
DP 0920 B2RF	501	44.4	80.9	1.01	25.1	4.6
AM 1550 B2RF	463	44.1	80.8	0.98	23.9	4.7
PHY 375 WRF	450	46.2	81.6	1.01	26.1	4.6
CG3035RF	449	42.8	82.0	1.02	29.9	5.1
CG3220B2RF	447	42.4	81.2	1.02	27.2	4.6
All-Tex LA122	435	45.6	82.6	1.06	28.5	5.2
NG 4010 B2RF	434	41.7	81.5	1.01	29.9	4.4
DP 0912 B2RF	424	42.8	82.2	0.99	27.2	4.7
Dyna-Gro 2570B2RF	418	44.1	82.2	1.00	28.7	4.8
SSG CT Linwood	415	43.3	81.1	1.00	30.0	5.5
DP 1032 B2RF	408	44.8	81.0	1.05	27.9	4.6
All-Tex 7A21	405	45.3	80.7	1.04	29.3	5.3
CG4020B2RF	393	42.1	81.0	1.02	24.4	4.1
GA2007095	392	41.7	81.7	1.05	29.8	5.1
CG3520B2RF	385	40.6	81.7	1.04	25.7	4.1
ST 4288B2F	381	40.4	79.8	0.96	23.6	4.2
GA2006053	374	40.5	80.8	1.05	26.7	4.9
FM1740B2RF	372	43.0	81.5	1.02	28.0	4.3
DP 0924 B2RF	364	43.0	80.8	0.98	27.0	4.7
NG 4012 B2RF	355	44.2	79.8	1.00	27.6	4.5
GA2006106	348	41.9	80.2	1.09	30.7	4.9
NG 3331 B2RF	347	42.6	81.8	1.02	29.7	4.3
NG 8015 B2RF	342	39.1	80.6	1.00	28.1	4.4
All-Tex A102	340	40.9	81.4	1.06	28.6	5.0
CG3020B2RF	305	40.5	81.4	0.98	25.5	4.1
Average	412	43.0	81.2	1.02	27.7	4.6
LSD 0.10	106	1.0	1.2	0.05	3.0	0.3
CV %	21.8	2.0	0.8	3.25	6.3	3.9

* 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: April 28, 2010.

Harvested: September 23, 2010

Soil Type: Greenville sandy clay loam.

Fertilization: 100 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Tifton, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2010

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length* inches		
DP 0912 B2RF	1135	44.0	80.5	1.02	26.1	5.1
GA2006106	1013	42.6	80.7	1.08	29.5	4.4
All-Tex LA122	997	43.8	82.9	1.10	28.0	4.5
PHY 375 WRF	985	44.7	81.8	1.03	25.9	4.4
PHY 499 WRF	977	47.7	82.6	1.02	29.6	4.5
All-Tex A102	945	43.8	81.0	1.02	27.5	4.3
CG3035RF	937	45.5	82.1	1.03	28.1	4.9
FM1740B2RF	919	43.6	81.8	1.05	26.8	5.0
NG 4010 B2RF	856	43.6	82.5	1.05	30.0	4.6
GA2007095	856	43.2	81.9	1.08	28.5	4.8
DP 1028 B2RF	816	47.8	81.0	1.04	26.9	5.0
CG3220B2RF	816	44.1	81.9	1.03	25.7	4.6
NG 8015 B2RF	804	41.5	82.5	1.07	30.6	4.6
PHY 367 WRF	800	44.8	82.2	1.09	27.4	4.3
Dyna-Gro 2570B2R	791	43.2	81.8	1.03	27.0	4.7
NG 4012 B2RF	789	45.1	81.4	1.03	27.5	4.6
GA2006053	781	42.5	82.0	1.05	26.8	5.1
ST 4288B2F	767	42.3	80.9	1.05	26.7	4.7
DP 0920 B2RF	765	45.4	81.9	1.05	24.4	4.8
NG 3331 B2RF	764	43.9	81.4	0.98	28.1	4.8
DP 0924 B2RF	745	44.5	80.8	0.99	26.9	4.7
DP 1032 B2RF	704	47.6	80.9	1.02	25.6	4.7
CG3020B2RF	675	40.0	81.7	0.98	24.6	3.9
SSG CT Linwood	671	42.3	80.1	1.01	27.3	4.4
CG3520B2RF	657	41.4	79.7	1.05	23.6	4.0
CG4020B2RF	652	43.5	81.2	1.04	23.5	4.1
All-Tex 7A21	644	45.4	82.5	1.08	27.4	4.7
AM 1550 B2RF	632	43.7	81.3	0.99	23.7	4.5
Average	818	44.0	81.5	1.04	26.9	4.6
LSD 0.10	218	1.2	1.4	0.06	2.3	0.4
CV %	22.6	2.4	1.0	1.03	5.0	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: April 27, 2010.

Harvested: September 14, 2010.

Soil Type: Tifton sandy loam.

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

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Yield Summary for Dryland Earlier Maturity Cotton Varieties, 2010

Variety	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton							
PHY 499 WRF	1685 ¹	1580 ¹	551 ¹	977 ⁵	1198 ¹	46.1	83.2	1.08	31.2	4.9	
DP 1028 B2RF	1594 ²	1362 ⁴	542 ²	816 ^{10T}	1079 ²	47.1	82.6	1.09	28.2	5.0	
DP 0912 B2RF	1238 ¹²	1390 ³	424 ¹¹	1135 ¹	1047 ³	44.0	81.9	1.04	28.6	5.1	
CG3035RF	1403 ⁴	1213 ⁹	449 ⁷	937 ⁷	1000 ⁴	43.9	82.3	1.08	29.3	5.0	
PHY 375 WRF	1380 ⁶	1161 ¹³	450 ⁶	985 ⁴	994 ⁵	44.9	82.5	1.08	27.5	4.5	
All-Tex LA122	1292 ⁹	1151 ¹⁵	435 ⁹	997 ³	969 ⁶	44.2	82.9	1.12	28.1	4.7	
PHY 367 WRF	1384 ⁵	1125 ¹⁶	504 ³	800 ¹²	953 ⁷	43.4	81.8	1.10	28.7	4.3	
GA2007095	1165 ²⁰	1355 ⁵	392 ¹⁷	856 ^{9T}	942 ⁸	42.6	82.4	1.12	29.9	4.8	
DP 1032 B2RF	1230 ¹⁵	1415 ²	408 ¹⁴	704 ²⁰	939 ⁹	45.4	82.0	1.10	28.7	4.6	
GA2006053	1449 ³	1123 ¹⁷	374 ²⁰	781 ¹⁵	932 ¹⁰	40.8	82.5	1.11	27.9	5.0	
GA2006106	1296 ⁸	1042 ²⁰	348 ²⁴	1013 ²	925 ¹¹	41.8	82.0	1.15	31.3	4.7	
FM1740B2RF	1146 ²³	1237 ⁷	372 ²¹	919 ⁸	919 ¹²	43.5	82.0	1.07	28.5	4.8	
DP 0920 B2RF	1234 ¹³	1163 ¹²	501 ⁴	765 ¹⁷	916 ¹³	44.6	81.9	1.08	26.5	4.7	
Dyna-Gro 2570B2RF	1271 ¹¹	1174 ¹⁰	418 ¹²	791 ¹³	914 ¹⁴	43.3	82.5	1.08	29.1	4.8	
NG 3331 B2RF	1280 ¹⁰	1251 ⁶	347 ²⁵	764 ¹⁸	910 ¹⁵	43.1	82.3	1.05	30.7	4.8	
All-Tex A102	1229 ¹⁶	1074 ^{18T}	340 ²⁷	945 ⁶	897 ¹⁹	42.1	82.1	1.12	29.4	4.6	
DP 0924 B2RF	1212 ¹⁷	1218 ⁸	364 ²²	745 ¹⁹	885 ¹⁷	43.9	81.7	1.04	27.8	4.8	
AM 1550 B2RF	1194 ¹⁸	1159 ¹⁴	463 ⁵	632 ²⁶	862 ¹⁸	43.3	82.2	1.05	26.5	4.6	
CG3220B2RF	1141 ²⁴	1028 ²²	447 ⁸	816 ^{10T}	858 ¹⁹	42.8	82.4	1.07	27.9	4.6	
All-Tex 7A21	1339 ⁷	1030 ²¹	405 ¹⁵	644 ²⁵	855 ²⁰	44.5	82.8	1.13	29.8	4.9	
SSG CT Linwood	1152 ²¹	1165 ¹¹	415 ¹³	671 ²²	850 ²¹	42.7	81.8	1.06	30.8	5.1	
NG 8015 B2RF	1106 ²⁶	1074 ^{18T}	342 ²⁶	812 ¹¹	833 ²²	40.7	82.8	1.11	31.1	4.6	
ST 4288B2F	1151 ²²	1027 ²³	381 ¹⁹	767 ¹⁶	832 ²³	40.7	81.3	1.07	26.9	4.6	
CG3520B2RF	1189 ¹⁹	1068 ¹⁹	385 ¹⁸	657 ²³	825 ^{24T}	41.3	81.9	1.08	25.5	4.3	
CG4020B2RF	1233 ¹⁴	1023 ²⁴	393 ¹⁶	652 ²⁴	825 ^{24T}	42.3	82.4	1.10	25.7	4.2	
NG 4010 B2RF	845 ²⁸	952 ²⁶	434 ¹⁰	856 ^{9T}	772 ²⁵	42.5	82.2	1.08	30.4	4.6	
CG3020B2RF	1129 ²⁵	931 ²⁷	305 ²⁸	675 ²¹	760 ²⁶	41.0	82.1	1.03	26.5	4.2	
NG 4012 B2RF	900 ²⁷	984 ²⁵	355 ²³	789 ¹⁴	757 ²⁷	44.2	81.7	1.08	29.9	4.5	
Average	1245	1160	412	818	909	43.2	82.2	1.08	28.6	4.7	
LSD 0.10	182	183	106	218	128	1.1	0.8	0.02	1.2	0.3	
CV %	12.4	13.4	21.8	22.6	16.6	2.2	0.9	2.98	4.6	5.3	

^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, 2009-2010

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
DP 0912 B2RF	1214	44.3	82.6		1.07	28.8	5.1
GA2006053	1202	41.6	83.5		1.15	28.8	4.9
Dyna-Gro 2570B2RF	1199	44.5	83.0		1.11	28.7	4.9
PHY 375 WRF	1196	45.4	82.8		1.11	27.9	4.6
FM1740B2RF	1190	44.4	82.5		1.10	28.5	4.8
PHY 367 WRF	1178	44.2	82.4		1.12	28.5	4.4
DP 0924 B2RF	1172	44.3	82.5		1.07	28.2	4.9
DP 0920 B2RF	1139	44.6	82.8		1.12	26.8	4.9
NG 3331 B2RF	1129	43.4	82.8		1.08	30.4	5.0
AM 1550 B2RF	1115	44.2	82.6		1.09	26.4	4.7
CG3220B2RF	1107	43.2	83.0		1.11	27.4	4.7
All-Tex A102	1057	42.9	83.2		1.15	28.9	4.5
CG3035RF	1046	44.7	82.8		1.10	29.0	4.9
CG4020B2RF	1046	42.8	83.3		1.14	26.5	4.3
ST 4288B2F	1043	41.9	82.3		1.11	27.9	4.8
SSG CT Linwood	1038	43.6	82.8		1.09	31.6	5.2
CG3520B2RF	1022	42.7	82.7		1.12	25.7	4.5
CG3020B2RF	977	41.4	82.7		1.08	26.3	4.3
Average	1115	43.6	82.8		1.11	28.1	4.7
LSD 0.10	66	0.4	0.8		0.02	0.7	0.1
CV %	14.5	2.1	2.5		5.06	4.3	5.1

^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).