

Athens, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2009

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length* inches		
SSG CT Linwood	741	47.0	83.2	1.11	29.9	5.7
ST 5288B2F	666	49.0	82.4	1.10	26.1	5.5
All-Tex A102	653	46.8	83.9	1.18	26.4	5.2
PHY375WRF	632	48.6	82.3	1.11	25.8	5.2
NG3331B2RF	622	45.5	82.7	1.09	28.1	5.6
GA2006053	621	44.6	84.7	1.18	28.7	5.5
AM1550B2RF	600	46.7	82.7	1.11	24.3	5.4
DP 0912B2RF	597	46.5	82.7	1.08	26.5	5.6
ST 4498B2RF	589	47.8	81.5	1.12	28.6	5.3
GA2004230	580	47.4	84.1	1.19	28.9	5.4
NG4370B2RF	579	45.7	83.7	1.10	26.6	5.6
PHY367WRF	561	46.6	82.4	1.10	26.5	5.1
DP 0924 B2RF	558	46.1	82.4	1.08	26.2	5.3
CG3520B2RF	558	47.2	82.0	1.11	22.5	4.9
BCSX 1035LLB2	553	48.8	82.9	1.13	24.9	5.2
ST 4554B2RF	551	47.1	81.8	1.09	24.6	5.8
CG4020B2RF	547	47.1	83.2	1.15	24.3	4.9
GA2006168	547	44.6	82.9	1.16	27.9	5.1
PHY370WR	537	47.6	83.3	1.09	26.5	5.6
DP 0920B2RF	533	43.1	83.7	1.14	26.0	5.5
CG 3220B2RF	523	46.6	83.0	1.13	24.7	5.1
GA2004143	502	50.4	83.6	1.17	30.8	5.3
Dyna-Gro 2570B2RF	502	47.6	83.3	1.11	25.1	5.4
CG3020B2RF	498	45.1	83.4	1.09	25.5	5.0
FM1740B2RF	488	47.7	82.0	1.10	25.4	5.3
GA2004303	464	47.3	82.1	1.11	27.4	5.3
09R619B2R2	462	49.0	83.2	1.11	24.2	5.3
GA2006127	460	46.3	83.1	1.15	29.2	5.1
ST 4288B2F	427	45.3	83.1	1.13	25.0	5.4
All-Tex Epic RF	426	47.9	83.5	1.14	25.9	5.3
CG3035RF	389	47.1	83.2	1.09	24.8	5.3
DP 0935 B2RF	381	47.6	83.5	1.09	25.9	5.6
Average	542	46.9	83.0	1.12	26.3	5.3
LSD 0.10	93	1.2	N.S. ¹	0.04	2.6	0.2
CV %	14.5	2.1	1.0	1.98	5.9	2.6

* 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: May 11, 2009.

Harvested: October 22, 2009.

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, 2009

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Lint %	Length* inches		
CG 3220B2RF	1755	44.9	83.0	1.18	29.1	5.0
Dyna-Gro 2570B2RF	1730	45.9	82.6	1.13	28.2	5.1
GA2004230	1726	42.7	85.1	1.27	32.3	4.5
PHY370WR	1720	45.8	82.1	1.10	29.8	5.1
GA2006053	1704	42.4	84.3	1.21	32.1	4.9
DP 0935 B2RF	1702	46.0	82.7	1.14	28.5	4.9
DP 0920B2RF	1660	45.6	82.7	1.16	28.0	5.0
PHY367WRF	1652	46.0	81.9	1.12	29.5	4.7
FM1740B2RF	1651	45.7	82.8	1.15	29.4	5.0
PHY375WRF	1639	46.0	83.1	1.14	29.5	4.8
DP 0924 B2RF	1633	44.2	82.8	1.10	29.9	5.0
ST 4498B2RF	1625	45.4	82.7	1.12	30.0	4.8
GA2004143	1601	47.6	83.6	1.18	33.7	4.7
DP 0912B2RF	1591	45.0	82.4	1.10	30.6	5.2
GA2004303	1587	45.4	83.7	1.18	35.2	4.8
09R619B2R2	1570	46.1	84.7	1.18	28.6	4.6
All-Tex A102	1565	43.4	83.9	1.19	29.4	4.5
SSG CT Linwood	1565	44.3	84.1	1.11	33.8	5.4
All-Tex Epic RF	1549	46.6	82.0	1.14	28.4	4.9
ST 5288B2F	1537	45.2	81.6	1.12	27.2	4.9
NG3331B2RF	1510	43.2	82.7	1.12	31.2	5.1
AM1550B2RF	1508	46.0	81.9	1.12	26.6	4.8
GA2006127	1494	44.8	84.0	1.21	31.8	4.6
ST 4288B2F	1479	44.1	82.9	1.16	30.6	5.3
GA2006168	1479	43.5	84.0	1.20	32.1	4.8
BCSX 1035LLB2	1474	43.4	83.3	1.14	33.7	5.7
ST 4554B2RF	1451	44.3	82.8	1.14	27.3	4.8
NG4370B2RF	1447	43.4	81.8	1.14	29.3	4.8
CG4020B2RF	1440	43.0	83.7	1.21	28.4	4.4
CG3520B2RF	1382	43.7	84.0	1.17	27.9	4.7
CG3035RF	1357	46.3	82.7	1.15	29.3	5.0
CG3020B2RF	1297	41.4	82.5	1.12	27.3	4.6
Average	1565	44.7	83.0	1.15	29.9	4.9
LSD 0.10	159	0.8	1.7	0.04	2.6	0.3
CV %	8.6	1.5	1.2	2.16	5.1	3.8

* 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: May 12, 20009.

Harvested: October 26, 2009.

Soil Type: Tifton sandy loam.

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

Management: Temik applied 5 lb/acre at planting and applied 5 lb/acre as sidedress.

Trials conducted by Larry Thompson.

Plains, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2009

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
GA2004230	1965	43.1	84.3	1.28	31.0	4.5
Dyna-Gro 2570B2R	1913	44.1	84.1	1.20	29.4	4.7
GA2006053	1889	40.6	84.6	1.23	29.7	4.3
ST 5288B2F	1834	43.0	83.5	1.17	29.8	4.8
DP 0912B2RF	1827	43.7	84.3	1.16	29.9	4.9
09R619B2R2	1803	45.2	84.3	1.18	27.9	4.7
All-Tex Epic RF	1793	44.9	84.0	1.19	27.9	4.1
DP 0924 B2RF	1770	43.9	84.2	1.13	29.2	4.9
FM1740B2RF	1770	44.1	83.8	1.16	30.3	4.5
PHY370WR	1756	44.6	84.1	1.13	29.6	4.9
PHY375WRF	1755	45.3	83.8	1.17	29.7	4.4
DP 0920B2RF	1725	44.3	84.5	1.18	27.3	5.0
DP 0935 B2RF	1708	44.0	84.8	1.16	29.2	4.8
NG3331B2RF	1684	43.9	84.3	1.15	31.1	5.3
PHY367WRF	1675	43.3	84.6	1.20	27.2	4.0
ST 4554B2RF	1649	43.9	83.9	1.16	29.0	4.8
GA2004143	1626	46.5	84.2	1.20	30.7	4.5
ST 4288B2F	1625	41.3	84.1	1.19	29.3	4.9
AM1550B2RF	1623	42.8	83.6	1.17	26.3	4.5
GA2006127	1614	43.9	84.8	1.25	31.0	4.3
GA2006168	1611	41.2	84.5	1.25	31.4	4.2
CG4020B2RF	1593	41.6	85.4	1.23	27.4	4.3
GA2004303	1577	43.7	83.7	1.17	30.9	4.4
ST 4498B2RF	1577	43.0	85.0	1.19	29.4	4.0
NG4370B2RF	1552	42.1	85.0	1.17	29.5	4.7
CG3520B2RF	1547	43.3	84.4	1.17	26.9	4.6
CG3035RF	1540	44.7	83.6	1.15	29.4	4.5
CG 3220B2RF	1537	41.7	84.5	1.19	26.4	4.8
SSG CT Linwood	1511	43.7	84.2	1.15	30.7	4.8
CG3020B2RF	1479	40.5	84.0	1.19	25.7	3.9
All-Tex A102	1469	41.6	84.9	1.22	29.0	4.1
BCSX 1035LLB2	1410	41.5	84.6	1.17	33.3	5.2
Average	1669	43.3	84.3	1.18	29.2	4.5
LSD 0.10	265	1.3	0.8	0.04	2.3	0.6
CV %	13.5	2.6	0.6	1.98	4.6	7.4

* 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, 2009.

Harvested: November 9, 2009.

Soil Type: Greenville sandy clay loam.

Fertilization: 90 lb N, 66 lb P₂O₅, and 18 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Tifton, Georgia: Dryland Earlier Maturity Cotton Variety Performance, 2009

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
FM1740B2RF	1939	44.0	83.6	1.13	28.7	4.4
DP 0924 B2RF	1874	44.5	83.6	1.12	29.5	4.5
Dyna-Gro 2570B2RF	1794	44.9	84.2	1.12	30.1	4.8
PHY370WR	1753	44.6	84.1	1.12	29.8	4.7
BCSX 1035LLB2	1746	42.3	84.5	1.11	33.8	5.1
AM1550B2RF	1741	44.7	84.3	1.11	27.8	4.5
PHY367WRF	1725	43.8	83.3	1.15	29.9	4.1
09R619B2R2	1695	46.5	83.6	1.12	28.7	4.8
GA2006053	1671	41.6	84.2	1.16	28.4	4.5
ST 5288B2F	1652	43.0	82.8	1.13	29.0	4.6
CG 3220B2RF	1612	41.5	84.1	1.14	27.6	4.6
NG3331B2RF	1575	42.1	83.8	1.11	30.1	4.5
PHY375WRF	1569	44.1	83.8	1.13	28.1	4.1
DP 0935 B2RF	1557	44.4	83.3	1.11	27.2	4.4
ST 4498B2RF	1542	43.5	84.2	1.13	30.0	4.1
DP 0920B2RF	1530	45.7	84.2	1.14	27.4	4.7
DP 0912B2RF	1508	43.5	83.6	1.11	28.9	4.8
CG3020B2RF	1505	40.1	83.3	1.13	26.1	3.9
ST 4288B2F	1489	41.4	83.1	1.14	30.8	4.8
CG4020B2RF	1485	41.8	84.4	1.17	29.2	4.3
NG4370B2RF	1478	40.9	84.1	1.14	30.4	4.0
CG3520B2RF	1391	42.2	83.8	1.15	26.8	4.5
GA2004230	1361	43.1	84.6	1.24	31.3	4.4
GA2006168	1321	41.0	84.9	1.20	32.1	4.5
GA2004143	1320	45.6	83.5	1.17	34.2	4.4
ST 4554B2RF	1303	43.2	83.9	1.15	30.7	4.5
All-Tex Epic RF	1257	46.4	84.4	1.14	28.7	4.8
GA2004303	1234	42.8	83.5	1.14	30.7	4.4
GA2006127	1226	43.5	84.1	1.21	33.3	4.4
All-Tex A102	1180	42.8	84.3	1.16	29.2	4.0
SSG CT Linwood	1088	42.7	83.9	1.09	35.5	5.2
CG3035RF	1083	44.0	83.9	1.14	31.9	4.3
Average	1506	43.3	83.9	1.14	29.8	4.5
LSD 0.10	264	0.9	N.S. ¹	0.03	2.3	0.3
CV %	14.9	1.8	0.8	1.70	4.5	3.6

* 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 29, 2009.

Harvested: September 28, 2009.

Soil Type: Tifton loamy sand.

Fertilization: 78 lb N, 54 lb P₂O₅, and 174 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson.

Yield Summary for Dryland Earlier Maturity Cotton Varieties, 2009

Entry	Lint Yield ^a					Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton	4-Loc. Average					
Dyna-Gro 2570B2RF	502 ^{20T}	1730 ²	1913 ²	1794 ³	1485 ¹	45.6	83.5	1.14	28.2	5.0
GA2006053	621 ⁶	1704 ⁵	1889 ³	1671 ⁹	1471 ²	42.3	84.5	1.19	29.7	4.8
FM1740B2RF	488 ²²	1651 ⁹	1770 ^{8T}	1939 ¹	1462 ³	45.4	83.0	1.13	28.4	4.8
DP 0924 B2RF	558 ^{13T}	1633 ¹¹	1770 ^{8T}	1874 ²	1459 ⁴	44.7	83.3	1.11	28.7	4.9
PHY370WR	537 ¹⁷	1720 ⁴	1756 ⁹	1753 ⁴	1441 ⁵	45.7	83.4	1.11	28.9	5.1
ST 5288B2F	666 ²	1537 ¹⁹	1834 ⁴	1652 ¹⁰	1422 ⁶	45.0	82.5	1.13	28.0	4.9
GA2004230	580 ¹⁰	1726 ³	1965 ¹	1361 ²³	1408 ⁷	44.1	84.5	1.24	30.9	4.7
PHY367WRF	561 ¹²	1652 ⁸	1675 ¹⁴	1725 ⁷	1403 ⁸	44.9	83	1.14	28.3	4.5
PHY375WRF	632 ⁴	1639 ¹⁰	1755 ¹⁰	1569 ¹³	1399 ⁹	46.0	83.2	1.14	28.3	4.6
09R619B2R2	462 ²⁴	1570 ¹⁶	1803 ⁶	1695 ⁸	1383 ¹⁰	46.7	83.9	1.14	27.3	4.8
DP 0912B2RF	597 ⁸	1591 ¹⁴	1827 ⁵	1508 ¹⁷	1381 ¹¹	44.7	83.2	1.11	29.0	5.1
AM1550B2RF	600 ⁷	1508 ²¹	1623 ¹⁸	1741 ⁶	1368 ¹²	45.1	83.1	1.13	26.2	4.8
DP 0920B2RF	533 ¹⁸	1660 ⁷	1725 ¹¹	1530 ¹⁶	1362 ¹³	44.7	83.7	1.15	27.2	5.0
CG 3220B2RF	523 ¹⁹	1755 ¹	1537 ²⁶	1612 ¹¹	1357 ¹⁴	43.7	83.7	1.16	26.9	4.9
NG3331B2RF	622 ⁵	1510 ²⁰	1684 ¹³	1575 ¹²	1348 ¹⁵	43.7	83.4	1.12	30.1	5.1
DP 0935 B2RF	381 ²⁹	1702 ⁶	1708 ¹²	1557 ¹⁴	1337 ¹⁶	45.5	83.6	1.12	27.7	4.9
ST 4498B2RF	589 ⁹	1625 ¹²	1577 ^{22T}	1542 ¹⁵	1333 ¹⁷	44.9	83.3	1.14	29.5	4.5
BCSX 1035LLB2	553 ¹⁴	1474 ²⁴	1410 ³⁰	1746 ⁵	1296 ¹⁸	44.0	83.8	1.14	31.4	5.3
CG4020B2RF	547 ^{16T}	1440 ²⁷	1593 ²¹	1485 ²⁰	1266 ¹⁹	43.4	84.2	1.19	27.3	4.5
NG4370B2RF	579 ¹¹	1447 ²⁶	1552 ²³	1478 ²¹	1264 ²⁰	43.0	83.6	1.14	28.9	4.7
GA2004143	502 ^{20T}	1601 ¹³	1626 ¹⁶	1320 ²⁵	1262 ²¹	47.5	83.7	1.18	32.3	4.7
All-Tex Epic	426 ²⁷	1549 ¹⁸	1793 ⁷	1257 ²⁷	1256 ²²	46.5	83.4	1.15	27.7	4.7
ST 4288B2F	427 ²⁶	1479 ^{23T}	1625 ¹⁷	1489 ¹⁹	1255 ²³	43.0	83.3	1.15	28.9	5.1
GA2006168	547 ^{16T}	1479 ^{23T}	1611 ²⁰	1321 ²⁴	1239 ²⁴	42.6	84.1	1.20	30.8	4.6
ST 4554B2RF	551 ¹⁵	1451 ²⁵	1649 ¹⁵	1303 ²⁶	1238 ²⁵	44.6	83.1	1.13	27.9	5.0
SSG CT Linwood	741 ¹	1565 ^{17T}	1511 ²⁷	1088 ³¹	1226 ²⁶	44.4	83.8	1.11	32.5	5.3
CG3520B2RF	558 ^{13T}	1382 ²⁸	1547 ²⁴	1391 ²²	1219 ²⁷	44.1	83.5	1.15	26.0	4.7
All-Tex A102	653 ³	1565 ^{17T}	1469 ²⁹	1180 ³⁰	1217 ²⁸	43.6	84.2	1.19	28.5	4.4
GA2004303	464 ²³	1587 ¹⁵	1577 ^{22T}	1234 ²⁸	1215 ²⁹	44.8	83.2	1.15	31.0	4.7
GA2006127	460 ²⁵	1494 ²²	1614 ¹⁹	1226 ²⁹	1199 ³⁰	44.6	84	1.20	31.3	4.6
CG3020B2RF	498 ²¹	1297 ³⁰	1479 ²⁸	1505 ¹⁸	1195 ³¹	41.8	83.3	1.13	26.1	4.3
CG3035RF	389 ²⁸	1357 ²⁹	1540 ²⁵	1083 ³²	1092 ³²	45.5	83.3	1.13	28.8	4.7
Average	542	1565	1669	1506	1321	44.6	83.5	1.15	28.8	4.8
LSD 0.10	93	159	265	264	152	1.0	0.6	0.02	1.4	0.2
CV %	14.5	8.6	13.5	14.9	13.4	2.0	0.9	1.97	5.0	4.5

^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, 2008-2009

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
GA2004230	1267	43.9	84.5		1.25	32.0	4.7
FM1740B2RF	1235	44.9	83.2		1.14	30.0	4.8
DP 0935 B2RF	1210	44.6	83.1		1.13	29.2	4.8
PHY370WR	1207	45.1	83.0		1.10	29.9	5.0
DP 0924 B2RF	1189	44.2	82.9		1.12	30.0	5.0
GA2004303	1171	45.0	82.8		1.14	32.3	4.9
NG3331B2RF	1167	43.5	83.6		1.12	32.1	5.2
PHY375WRF	1154	46.0	82.8		1.14	29.3	4.7
GA2004143	1150	47.1	83.3		1.19	33.7	4.8
AM1550B2RF	1126	44.4	82.5		1.13	27.7	4.9
ST 4498B2RF	1116	43.4	82.9		1.14	31.4	4.7
CG 3220B2RF	1113	43.4	82.9		1.15	28.4	4.9
NG4370B2RF	1111	42.6	83.2		1.14	30.2	4.8
ST 4554B2RF	1090	43.9	82.5		1.13	29.8	5.0
CG4020B2RF	1078	43.2	83.3		1.18	28.1	4.5
CG3520B2RF	1028	43.1	83.5		1.16	27.3	4.6
CG3020B2RF	995	41.2	82.8		1.13	27.1	4.3
CG3035RF	981	44.7	83.1		1.14	29.5	4.8
Average	1133	44.1	83.1		1.15	29.9	4.8
LSD 0.10	67	0.4	0.5		0.01	0.8	0.1
CV %	14.4	2.2	1.0		2.01	4.5	5.0

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).