

Athens, Georgia: Dryland Later Maturity Cotton Variety Performance, 2007

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
AM1550B2RF	559	44.0	79.0	0.97	24.9	4.7
ST 5599BR	549	44.5	79.3	0.98	27.3	4.7
GA2004371	531	48.4	79.9	0.97	27.7	5.0
STX06351B2RF	515	39.4	79.3	1.02	26.3	4.1
DP 164 B2RF	507	43.4	78.8	1.03	27.3	5.1
ST5327B2RF	506	45.6	80.4	1.01	29.5	4.7
GA2004392	500	43.6	80.7	1.02	29.5	5.5
ST5283RF	499	45.8	80.6	1.01	29.9	4.5
DP 454 BG/RR	498	45.1	79.9	0.96	26.8	3.8
DP 555 BG/RR	497	45.6	79.2	1.01	28.0	5.0
STX5458B2RF	496	43.7	79.3	1.00	27.0	4.6
DP 515 BG/RR	496	45.6	79.3	0.99	27.1	4.9
DP 455 BG/RR	496	45.2	78.7	1.01	28.3	4.5
DP 445 BG/RR	494	46.2	82.4	1.07	30.6	4.5
DP161B2RF	446	42.1	80.6	1.07	29.4	5.1
DP 167 RF	434	40.7	80.1	1.08	29.5	4.9
PHY745WRF	432	42.2	80.1	1.00	29.9	4.1
GA2004356	418	45.5	80.1	1.02	28.2	4.9
DP 143 B2RF	417	41.3	80.1	1.06	27.6	4.2
DP 147 RF	412	43.8	78.7	1.03	27.8	4.1
ST 6622RF	406	42.5	80.0	1.05	31.3	5.1
DP141B2RF	388	42.0	79.7	1.03	28.9	4.6
DP 493	366	45.9	79.9	1.01	29.8	5.3
FM1880B2F	363	41.8	79.8	1.02	29.8	4.7
DP174RF	358	46.7	79.6	1.03	27.1	4.8
ST 6611B2RF	345	41.3	79.9	0.99	28.9	4.8
Average	459	43.9	79.8	1.01	28.4	4.7
LSD 0.10	70	0.9	1.1	0.04	2.2	0.5
CV %	12.9	1.7	0.8	2.22	4.6	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: May 3, 2007.

Harvested: October 30, 2007.

Soil Type: Cecil coarse sandy loam.

Fertilization: 94 lb N, 48 lb P₂O₅, and 48 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson and J. Strickland.

Midville, Georgia: Dryland Later Maturity Cotton Variety Performance, 2007

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire* units
			Index*	Length*		
			%	inches		
GA2004392	640	43.0	81.6	1.08	31.9	4.6
ST 5599BR	623	41.5	80.8	1.06	29.4	4.0
STX06351B2RF	621	41.5	81.7	1.13	27.8	4.0
DP 445 BG/RR	612	45.0	81.2	1.07	28.7	3.9
DP 454 BG/RR	612	44.5	80.1	1.04	28.8	3.7
GA2004371	601	45.0	82.2	1.11	31.2	4.5
GA2004356	594	44.0	82.4	1.15	32.3	4.3
DP 455 BG/RR	577	45.5	80.5	1.05	28.1	3.7
AM1550B2RF	559	42.5	80.5	1.04	26.3	3.6
DP161B2RF	543	41.0	80.7	1.13	30.5	4.0
DP 147 RF	540	43.0	80.7	1.13	31.7	4.1
DP 167 RF	537	42.0	80.7	1.10	28.8	4.1
DP 493	519	44.5	81.4	1.11	32.5	4.8
DP 555 BG/RR	518	44.0	80.6	1.06	28.5	4.3
ST5327B2RF	517	44.0	81.2	1.07	29.9	4.0
DP 164 B2RF	512	41.5	81.1	1.11	28.5	4.1
DP174RF	511	47.5	80.0	1.09	28.7	4.4
STX5458B2RF	504	43.0	80.9	1.07	30.0	4.2
DP 143 B2RF	493	42.5	80.8	1.13	28.2	3.9
ST 6622RF	479	39.5	81.6	1.12	30.1	3.8
ST5283RF	471	44.5	80.6	1.04	30.5	4.1
DP 515 BG/RR	469	43.0	80.8	1.04	29.7	4.5
DP141B2RF	451	42.5	81.1	1.11	28.8	4.0
ST 6611B2RF	401	38.5	81.2	1.09	31.6	3.9
PHY745WRF	388	43.0	81.2	1.09	30.2	3.6
FM1880B2F	373	40.5	80.1	1.09	31.2	3.5
Average	526	43.0	81.0	1.09	29.7	4.0
LSD 0.10	112	1.2	N.S. ¹	0.04	1.7	0.5
CV %	18.1	2.3	1.2	2.03	3.4	8.0

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

1. The F-test indicated no statistical differences at the alpha = 0.10 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 2, 2007.

Harvested: October 11, 2007.

Soil Type: Tifton sandy loam.

Fertilization: 95 lb N, 50 lb P₂O₅, and 75 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, 2007

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length* inches	Strength* g/tex	Micronaire* units
			Index*	%			
GA2004392	854	42.9	81.8		1.06	32.2	5.0
DP 515 BG/RR	815	44.0	81.5		1.08	30.2	4.5
ST5283RF	795	45.6	82.4		1.06	30.7	4.5
PHY745WRF	775	42.3	81.5		1.10	31.2	3.9
DP 147 RF	720	41.1	82.1		1.18	30.5	4.3
GA2004371	718	44.2	83.6		1.11	30.5	5.4
DP 555 BG/RR	698	44.1	81.3		1.07	29.8	4.8
ST 5599BR	696	44.5	81.7		1.10	31.1	4.7
DP 445 BG/RR	695	43.0	82.5		1.12	31.0	4.4
DP 454 BG/RR	693	44.1	81.9		1.07	29.8	4.1
ST5327B2RF	673	45.1	83.7		1.10	31.5	4.5
STX5458B2RF	659	43.6	81.2		1.07	31.2	4.8
AM1550B2RF	659	44.6	81.8		1.07	28.8	4.5
DP 167 RF	658	42.3	81.3		1.10	29.7	4.2
DP 493	652	43.5	82.2		1.07	32.2	4.5
DP 455 BG/RR	637	45.0	81.2		1.09	30.8	4.1
GA2004356	626	43.9	83.3		1.12	31.9	4.6
DP 143 B2RF	600	41.2	81.6		1.17	30.2	4.1
DP174RF	570	45.5	82.7		1.14	29.8	4.6
STX06351B2RF	545	40.7	82.0		1.11	29.8	4.5
ST 6622RF	527	43.0	82.8		1.11	33.1	4.3
DP161B2RF	452	42.3	82.3		1.15	31.8	4.6
FM1880B2F	448	40.2	80.7		1.09	31.7	4.0
DP 164 B2RF	440	40.2	81.6		1.13	30.2	4.4
ST 6611B2RF	438	39.9	81.7		1.08	30.6	4.2
DP141B2RF	305	41.7	81.5		1.16	30.7	4.3
Average	629	43.0	82.0		1.10	30.8	4.4
LSD 0.10	275	1.1	N.S. ¹		0.04	1.6	0.3
CV %	18.2	2.2	1.2		2.23	3.1	4.1

* 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 1, 2007.

Harvested: October 9, 2007.

Soil Type: Faceville sandy loam.

Fertilization: 90 lb N, 88 lb P₂O₅, and 24 lb K₂O/acre.

Management: Temik applied 5 lb/acre.

Trials conducted by Larry Thompson and R. Pines.

Tifton, Georgia: Dryland Later Maturity Cotton Variety Performance, 2007

Variety	Lint Yield lb/acre	Lint %	Uniformity		Strength* g/tex	Micronaire*
			Index*	Length*		
			%	inches		units
AM1550B2RF	1841	44.7	83.2	1.15	25.7	4.1
DP 445 BG/RR	1807	43.8	83.3	1.20	27.9	3.8
GA2004371	1739	46.5	83.4	1.14	28.0	4.3
ST 5599BR	1676	42.3	81.9	1.12	28.1	3.9
DP 455 BG/RR	1668	44.8	81.6	1.15	27.9	3.5
DP 493	1597	45.8	81.3	1.14	28.6	4.1
DP 167 RF	1579	42.4	82.0	1.18	28.2	3.8
ST5327B2RF	1541	45.1	83.6	1.15	28.0	3.6
STX06351B2RF	1524	40.4	83.0	1.17	27.9	3.6
DP 515 BG/RR	1518	43.8	82.6	1.15	27.8	3.8
DP 555 BG/RR	1503	43.7	80.8	1.14	27.6	3.7
DP 164 B2RF	1502	41.3	83.3	1.21	28.2	3.5
DP161B2RF	1484	42.0	82.6	1.22	28.2	3.6
ST5283RF	1473	44.8	83.9	1.16	27.8	3.5
STX5458B2RF	1442	42.0	82.6	1.19	27.9	4.0
GA2004392	1434	42.9	84.0	1.14	29.9	4.6
GA2004356	1425	44.6	83.4	1.17	29.3	4.1
DP174RF	1419	44.0	82.9	1.18	25.9	3.6
ST 6611B2RF	1364	40.5	83.1	1.14	27.7	3.6
DP 143 B2RF	1331	40.4	82.8	1.25	27.1	3.3
DP141B2RF	1328	41.9	81.7	1.17	28.1	3.7
DP 454 BG/RR	1320	44.7	83.7	1.16	27.1	3.4
ST 6622RF	1318	39.4	83.2	1.16	28.4	3.8
FM1880B2F	1314	41.4	82.7	1.22	28.6	3.1
DP 147 RF	1304	42.3	82.0	1.20	27.8	3.1
PHY745WRF	1142	44.4	83.3	1.15	29.2	3.6
Average	1484	43.1	82.7	1.17	27.9	3.7
LSD 0.10	141	0.9	1.2	0.03	1.5	0.3
CV %	8.1	1.8	0.9	1.42	3.2	4.7

* 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 24, 2007.

Harvested: September 19, 2007.

Soil Type: Tifton sandy loam.

Fertilization: 78 lb N, 54 lb P₂O₅, and 168 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, 2007

Entry	Lint Yield ^a					4-Loc. Average	Lint %	Unif. Index %	Length in	Strength g/tex	Mic. units
	Athens	Midville	Plains lb/acre	Tifton							
AM1550B2RF	559 ¹	559 ⁸	659 ^{12T}	1841 ¹	904 ¹	43.9	81.1	1.06	26.4	4.2	
DP 445 BG/RR	494 ¹²	612 ^{4T}	695 ⁹	1807 ²	902 ²	44.5	82.3	1.11	29.6	4.1	
GA2004371	531 ³	601 ⁵	718 ⁶	1739 ³	897 ³	46.0	82.3	1.08	29.3	4.8	
ST 5599BR	549 ²	623 ²	696 ⁸	1676 ⁴	886 ⁴	43.2	80.9	1.06	29.0	4.3	
GA2004392	500 ⁷	640 ¹	854 ¹	1434 ¹⁶	857 ⁵	43.1	82.0	1.07	30.9	4.9	
DP 455 BG/RR	496 ^{11T}	577 ⁷	637 ¹⁵	1668 ⁵	844 ⁶	45.1	80.5	1.07	28.8	3.9	
DP 515 BG/RR	496 ^{11T}	469 ²¹	815 ²	1518 ¹⁰	824 ⁷	44.1	81.0	1.06	28.7	4.4	
ST5283RF	499 ⁸	471 ²⁰	795 ³	1473 ¹⁴	810 ⁸	45.2	81.9	1.07	29.7	4.1	
ST5327B2RF	506 ⁶	517 ¹⁴	673 ¹¹	1541 ⁸	809 ⁹	44.9	82.2	1.08	29.7	4.2	
DP 555 BG/RR	497 ¹⁰	518 ¹³	698 ⁷	1503 ¹¹	804 ¹⁰	44.3	80.4	1.07	28.5	4.4	
DP 167 RF	434 ¹⁴	537 ¹¹	658 ¹³	1579 ⁷	802 ¹¹	41.8	81.0	1.11	29.1	4.2	
STX06351B2RF	515 ⁴	621 ³	545 ¹⁹	1524 ⁹	801 ¹²	40.5	81.5	1.11	27.9	4.0	
DP 493	366 ²¹	519 ¹²	652 ¹⁴	1597 ⁶	783 ¹³	44.9	81.2	1.08	30.7	4.7	
DP 454 BG/RR	498 ⁹	612 ^{4T}	693 ¹⁰	1320 ²²	781 ¹⁴	44.6	81.4	1.06	28.1	3.7	
STX5458B2RF	496 ^{11T}	504 ¹⁷	659 ^{12T}	1442 ¹⁵	775 ¹⁵	43.1	81.0	1.08	29.0	4.4	
GA2004356	418 ¹⁶	594 ⁶	626 ¹⁶	1425 ¹⁷	766 ¹⁶	44.5	82.3	1.11	30.4	4.4	
DP 147 RF	412 ¹⁸	540 ¹⁰	720 ⁵	1304 ²⁵	744 ¹⁷	42.5	80.9	1.13	29.4	3.9	
DP 164 B2RF	507 ⁵	512 ¹⁵	440 ²³	1502 ¹²	740 ¹⁸	41.6	81.2	1.12	28.5	4.3	
DP161B2RF	446 ¹³	543 ⁹	452 ²¹	1484 ¹³	731 ¹⁹	41.8	81.5	1.14	29.9	4.3	
DP174RF	358 ²³	511 ¹⁶	570 ¹⁸	1419 ¹⁸	715 ²⁰	45.9	81.3	1.11	27.8	4.3	
DP 143 B2RF	417 ¹⁷	493 ¹⁸	600 ¹⁷	1331 ²⁰	710 ²¹	41.3	81.3	1.15	28.3	3.9	
PHY745WRF	432 ¹⁵	388 ²⁴	775 ⁴	1142 ²⁶	684 ²²	43.0	81.5	1.08	30.1	3.8	
ST 6622RF	406 ¹⁹	479 ¹⁹	527 ²⁰	1318 ²³	683 ²³	41.1	81.9	1.11	30.7	4.2	
ST 6611B2RF	345 ²⁴	401 ²³	438 ²⁴	1364 ¹⁹	637 ²⁴	40.1	81.5	1.08	29.7	4.1	
FM1880B2F	363 ²²	373 ²⁵	448 ²²	1314 ²⁴	625 ²⁵	41.0	80.8	1.10	30.3	3.8	
DP141B2RF	388 ²⁰	451 ²²	305 ²⁵	1328 ²¹	618 ²⁶	42.0	81.0	1.12	29.1	4.2	
Average	459	526	629	1484	774	43.2	81.4	1.09	29.2	4.2	
LSD 0.10	70	112	275	141	112	1.1	0.7	0.02	1.0	0.2	
CV %	12.9	18.1	18.2	8.1	15.9	2.0	1.1	1.98	3.6	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 Dryland Later Maturity Cotton Varieties at Four Locations^a, 2006-2007

Variety	Lint Yield lb/acre	Lint %	Uniformity		Length inches	Strength g/tex	Micronaire units
			Index %				
DP 555 BG/RR	1029	44.3	81.5		1.09	29.0	4.6
DP 454 BG/RR	1026	45.0	82.0		1.06	28.7	3.9
DP 445 BG/RR	1007	43.8	82.8		1.10	29.4	4.3
DP 515 BG/RR	1004	43.3	81.8		1.09	29.5	4.5
ST 5599BR	978	43.4	81.7		1.08	30.3	4.6
DP 493	971	44.4	81.9		1.10	30.6	4.7
DP 455 BG/RR	959	44.7	81.2		1.07	29.3	4.1
DP 167 RF	940	40.8	82.1		1.12	29.2	4.3
DP 147 RF	902	42.5	81.8		1.14	29.5	4.1
DP 143 B2RF	886	41.2	81.8		1.16	28.4	4.1
DP 164 B2RF	872	41.0	81.9		1.12	29.1	4.4
ST 6622RF	853	40.6	82.1		1.10	31.0	4.3
PHY745WRF	838	42.6	82.5		1.10	30.8	4.1
ST 6611B2RF	799	39.0	81.9		1.08	30.0	4.3
Average	933	42.6	81.9		1.10	29.6	4.3
LSD 0.10	57	0.4	0.5		0.02	0.7	0.2
CV %	14.8	2.0	1.0		2.24	4.1	5.9

^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).