

Plains, Georgia:

Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire* units
			Index* %			
DP 1252 B2RF	2142	46.4	84.4	1.17	26.0	3.7
DG2610 B2RF	2137	44.4	83.8	1.18	27.2	3.7
PHY 499 WRF	2111	44.5	84.8	1.20	30.0	4.1
DP 1137 B2RF	2054	45.1	84.1	1.14	26.8	3.9
DP 1034 B2RF	2027	45.0	83.5	1.18	27.2	3.8
DP 1048 B2RF	1992	43.9	83.7	1.18	26.6	3.9
CG 3787 B2RF	1962	44.8	84.1	1.17	26.9	3.9
PX 5322-11 WRF	1954	41.0	83.9	1.22	27.0	3.6
NGX0012B2RF	1945	45.3	82.7	1.15	26.3	3.5
DP 1050 B2RF	1897	44.5	83.4	1.19	26.0	3.5
PHY 565 WRF	1769	41.5	83.6	1.21	29.3	3.6
PHY 440 W	1721	41.3	84.0	1.19	29.4	4.1
GA2004230	1702	40.3	85.1	1.28	29.1	3.6
All-Tex Nitro 44 B2RF	1665	40.4	85.6	1.28	31.2	3.5
MON 11R136B2R2	1652	41.7	86.1	1.27	30.5	3.6
NG 1511 B2RF	1650	44.0	84.5	1.19	28.5	3.8
BX1348GLB2	1606	41.4	84.8	1.26	29.9	3.6
MON 11R154B2R2	1582	42.2	83.8	1.21	31.7	3.3
GA2007095	1521	42.1	85.5	1.24	29.9	3.9
PHY 375 WRF	1472	41.3	84.0	1.13	26.9	3.6
MON 11R159 B2RF	1459	43.7	83.6	1.20	30.2	3.2
GA2008083	1271	42.8	83.3	1.18	30.8	3.6
SSG CT310 HQ	914	37.8	83.6	1.14	31.9	3.9
Average	1748	42.8	84.2	1.20	28.6	3.7
LSD 0.10	225	1.0	N.S. ¹	0.06	1.6	N.S.
CV %	10.9	2.0	1.4	2.71	3.2	6.6

* A random quality sample was taken on the picker during cotton harvest and to determine percent lint fractions plot seed cotton was processed through a small gin in gin house on the UGA Tifton Campus.

1. The F-test indicated no statistical differences at the alpha = 0.10 probability level; therefore an 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, 2012.

Harvested: October 17, 2012.

Seeding Rate: 4 seeds/foot in 36" rows.

Soil Type: Greenville sandy loam.

Soil Test: P = Low, K = High, and pH = 6.3.

Fertilization: 21 lb N, 60 lb P₂O₅, and 60 lb K₂O/acre. Sidedress: 80 lb N/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled, and bedded; Treflan, Reflex, Diuron, Staple, and MSMA used for weed control; Orthene, Bidren, Mustang Max, Baythroid, and Discipline used for insect control; Temik applied 5 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	3.00	1.00	4.00	4.00	0	0
Rainfall (in):	1.36	3.49	3.91	2.28	3.64	1.50

Trials conducted by A. Coy, R. Brooke, D. Dunn, R. Pines, W. Jones, D. Pearce, and L. Thompson.