

Bainbridge, Georgia:

Later Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
DP 1050 B2RF	2025	45.9	83.3	1.14	26.7	4.4
DP 1034 B2RF	1995	45.8	84.2	1.15	25.3	4.4
DP 1048 B2RF	1825	44.8	84.9	1.19	25.9	4.5
NGX0012B2RF	1795	45.7	85.6	1.17	26.0	4.4
PX 5322-11 WRF	1794	43.4	84.4	1.23	27.4	4.1
DP 1137 B2RF	1792	44.7	84.5	1.13	26.4	4.3
CG 3787 B2RF	1765	45.6	84.2	1.15	26.9	4.5
PHY 499 WRF	1718	44.5	84.8	1.16	28.3	4.6
DG2610 B2RF	1689	44.7	84.1	1.16	27.3	4.3
All-Tex Nitro 44 B2RF	1613	43.7	83.9	1.22	29.3	3.9
DP 1252 B2RF	1600	46.9	83.9	1.14	27.2	4.4
BX1348GLB2	1588	42.3	84.2	1.21	28.8	4.4
NG 1511 B2RF	1577	45.3	84.0	1.12	28.7	4.2
MON 11R159 B2RF	1538	44.9	83.2	1.17	28.3	4.2
GA2004230	1510	42.0	85.5	1.26	29.7	4.2
MON 11R136B2R2	1490	42.6	85.6	1.25	29.0	4.2
GA2007095	1485	43.4	84.9	1.16	27.8	4.1
PHY 565 WRF	1367	44.1	84.4	1.17	29.0	4.2
PHY 375 WRF	1357	43.5	83.5	1.14	27.4	3.7
SSG CT310 HQ	1321	40.3	83.2	1.13	30.8	4.1
PHY 440 W	1318	41.3	84.6	1.16	29.3	4.1
GA2008083	1221	42.2	83.5	1.16	28.4	4.3
MON 11R154B2R2	1161	44.6	82.7	1.17	30.3	4.2
Average	1589	44.0	84.2	1.17	28.0	4.2
LSD 0.10	222	0.8	N.S. ¹	0.04	2.1	0.3
CV %	11.5	1.6	1.0	1.84	4.4	4.2

* 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 11, 2012.

Harvested: October 23, 2012.

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

Soil Type: Bonnaeu blanton loamy sand.

Soil Test: P = High, K = Medium, and pH = 5.9.

Fertilization: 35 lb N, 64 lb P₂O₅, 0 lb K₂O, and 1900 lb/acre limestone.

Sidedress: 127 lb N and 123 lb K₂O/acre.

Previous Crop: Corn.

Management: Disked and subsoiled; Prowl, MSMA, Cotoran, Select, and Twister used for weed control; Temik, Belt, Wangler, Tracer, and Tundra used for insect control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.65	1.60	3.20	0	0	0
Rainfall (in):	3.33	4.68	5.00	7.35	3.95	1.15

Trials conducted by A. Coy, R. Brooke, D. Dunn, M. May, and L. Thompson.