

Bainbridge, Georgia: Earlier Maturity Cotton Variety Performance, 2013, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire* units
			Index* %	Length* inches		
PHY 499 WRF	1741	45.4	83.6	1.18	33.3	5.3
PX 444413 WRF	1532	45.0	85.0	1.26	33.1	4.7
PX 444414 WRF	1466	44.1	83.9	1.21	32.2	5.1
DP 0912 B2RF	1455	42.4	84.2	1.18	32.2	5.6
NG 1511 B2RF	1453	51.2	84.6	1.19	34	5.7
PX 300310 WRF	1428	44.4	83.0	1.16	30.8	5.0
PHY 333 WRF	1390	43.0	84.4	1.23	30.6	4.8
SSG HQ 210 CT	1383	41.8	82.8	1.17	32.2	5.5
AM 1550 B2RF	1366	42.7	83.0	1.18	29.5	5.0
PHY339 WRF	1366	44.0	84.2	1.19	31.3	4.9
DP 1321 B2RF	1363	43.3	84.2	1.21	31.9	5.5
MON 12R224B2R2	1352	41.8	84.3	1.20	30.9	4.8
SSG AU 222	1345	43.0	84.3	1.25	31.7	5.0
DG2285 B2RF	1313	43.7	83.9	1.19	29.2	5.2
ST 4946GLB2	1308	42.4	84.1	1.19	33.3	5.6
DP 1034 B2RF	1289	42.7	83.7	1.23	32.9	4.9
PHY 427 WRF.rk	1272	42.1	83.6	1.15	30.2	5.0
GA2004143	1270	43.4	84.0	1.24	33.6	4.9
PHY 417 WRF.rk	1269	43.3	82.9	1.20	31.4	4.8
GA2008016	1268	38.9	84.3	1.21	34.0	5.2
GA2009037	1245	40.9	83.2	1.24	32.0	5.1
GA2009100	1234	41.5	84.7	1.24	33.8	4.7
GA2010098	1211	42.6	84.7	1.25	33.9	4.4
DG CT12353	1170	42.4	82.4	1.17	32.6	5.4
CG 3428 B2RF	1126	43.0	82.9	1.21	30.7	5.4
SSG CT Linwood	1066	41.4	83.8	1.18	33.5	5.3
DG CT13125F	1051	42.2	84.8	1.27	32.7	4.6
Average	1323	43.1	83.8	1.20	32.1	5.1
LSD 0.10	180	2.2	N.S. ¹	0.05	1.7	0.3
CV %	11.5	4.3	1.2	2.44	3.1	3.2

* 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 13, 2013.

Harvested: October 15, 2013.

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

Soil Type: Bonneau blanton loamy sand.

Soil Test: P = High, K = Low, and pH = 6.1.

Fertilization: 21 lb N, 64 lb P₂O₅, and 48 lb K₂O/acre. Sidedress: 160 lb N and 161 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked and subsoiled; Prowl, Roundup, MSMA, and Cotoran used for weed control; Prevathon, Transform, Suspend, and Bidrin used for insect control; Abound used for fungal control.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	1.55	0.80	0	1.60	0.80	0
Rainfall (in):	3.50	9.40	15.25	8.60	2.30	0.70

Trials conducted by A. Coy, R. Brooke, D. Dunn, and B. McCranie.