

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

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire*
			Index* %	Length* inches		
PX 444414 WRF	1903	40.1	83.5	1.15	29.5	4.3
PX 300310 WRF	1870	39.4	81.9	1.14	28.7	4.6
PHY 499 WRF	1829	41.9	81.6	1.13	29.7	5.0
SSG HQ 210 CT	1811	39.9	82.2	1.11	28.2	5.0
PX 444413 WRF	1802	41.7	83.1	1.25	32.3	3.8
DP 1034 B2RF	1799	41.4	83.1	1.18	28.2	4.6
NG 1511 B2RF	1769	40.1	83.6	1.13	29.8	4.8
GA2009100	1705	39.8	83.6	1.23	30.9	4.1
SSG AU 222	1701	39.9	83.0	1.19	29.8	4.7
AM 1550 B2RF	1694	40.0	82.0	1.13	27.8	4.7
ST 4946GLB2	1689	40.7	82.4	1.10	29.8	5.0
GA2009037	1679	39.5	82.1	1.22	31.7	4.6
DP 1321 B2RF	1655	39.5	83.4	1.15	29.2	5.0
PHY 427 WRF.rk	1655	39.6	81.7	1.12	28.9	4.4
GA2004143	1651	40.8	83.9	1.24	32.7	4.5
PHY 333 WRF	1650	41.4	83.4	1.17	30.4	4.5
DG CT12353	1640	40.8	82.7	1.14	30.1	5.0
DG2285 B2RF	1632	39.7	82.7	1.13	26.5	4.8
PHY339 WRF	1629	39.4	82.8	1.20	29.1	4.3
MON 12R224B2R2	1612	38.8	83.1	1.19	29.8	4.2
CG 3428 B2RF	1607	41.4	83.4	1.21	29.3	4.9
DP 0912 B2RF	1565	38.5	82.7	1.10	28.9	5.0
PHY 417 WRF.rk	1523	40.2	82.4	1.14	28.5	4.1
GA2008016	1506	37.5	83.6	1.18	31.8	4.9
DG CT13125F	1491	40.7	82.4	1.18	29	4.4
GA2010098	1408	38.6	83.5	1.23	32.7	4.4
SSG CT Linwood	1181	39.1	82.8	1.12	31.6	5.1
Average	1654	40	82.8	1.16	29.8	4.6
LSD 0.10	168	0.7	N.S. ¹	0.04	1.6	0.2
CV %	8.6	1.5	0.9	2.06	3.2	2.7

* To determine percent lint fractions and quality parameters plot seed cotton was processed through the Micro-Gin located 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: April 30, 2013.

Harvested: October 10, 2013.

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

Soil Type: Tifton sandy loam.

Soil Test: P = Medium, K = Medium, and pH = 6.8.

Fertilization: 25 lb N, 88 lb P₂O₅, and 100 lb K₂O/acre. Sidedress: 70 lb N and 25 lb K₂O/acre.

Previous Crop: Peanuts.

Management: Disked, subsoiled and bedded; Reflex, Cotoran, and Prowl used for weed control; Orthene and Bidrin used for insect control; Pix used for PGR.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0	1.75	0	1.00	0.75	0
Rainfall (in):	2.26	6.86	8.67	7.41	0	0

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