

## Plains, Georgia: Earlier Maturity Cotton Variety Performance, 2013, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity		Strength* g/tex	Micronaire* units
			Index* %	Length* inches		
PX 444413 WRF	<b>2146</b>	43.7	83.8	1.25	29.3	3.6
PHY 333 WRF	<b>2131</b>	44.9	83.6	1.18	31.6	4.7
PX 300310 WRF	<b>2079</b>	43.0	81.9	1.11	29.8	4.7
DP 1034 B2RF	<b>2062</b>	44.5	83.8	1.18	28.8	4.8
PHY 499 WRF	<b>2015</b>	45.1	83.8	1.16	30.1	4.8
AM 1550 B2RF	<b>2004</b>	43.0	83.8	1.13	27.6	4.7
PX 444414 WRF	1982	43.2	83.7	1.20	31.7	4.2
GA2009037	1980	42.6	83.3	1.20	31.4	4.6
DG CT13125F	1975	42.4	83.2	1.18	29.8	4.0
GA2009100	1914	43.6	84.2	1.21	33.5	4.3
SSG AU 222	1903	42.7	84.1	1.19	30.4	4.8
GA2010098	1896	43.0	83.6	1.21	33.1	4.6
NG 1511 B2RF	1883	44.3	84.7	1.18	31.7	4.9
SSG CT Linwood	1850	42.2	83.1	1.14	33.3	5.2
PHY339 WRF	1836	42.5	84.3	1.21	31.0	4.2
DP 0912 B2RF	1829	40.3	83.6	1.14	30.0	5.1
DP 1321 B2RF	1824	42.0	83.7	1.16	29.7	4.7
CG 3428 B2RF	1816	43.6	84.2	1.21	30.6	4.8
SSG HQ 210 CT	1800	42.0	83.0	1.12	32.4	4.8
GA2004143	1789	43.8	84.6	1.21	33.5	4.5
GA2008016	1756	39.0	84.0	1.20	31.5	4.6
DG2285 B2RF	1742	41.8	82.5	1.18	28.8	4.6
MON 12R224B2R2	1725	40.5	84.9	1.20	31.2	4.2
PHY 427 WRF.rk	1714	41.8	83.2	1.13	30.9	4.0
DG CT12353	1666	41.8	84.1	1.14	31.9	5.2
ST 4946GLB2	1599	40.5	83.9	1.17	31.1	4.4
PHY 417 WRF.rk	1467	42.0	83.4	1.14	29.8	4.3
Average	1866	42.6	83.7	1.17	30.9	4.5
LSD 0.10	148	0.9	N,S. <sup>1</sup>	0.04	2.4	0.4
CV %	6.8	1.8	1.2	1.89	4.7	5.0

\* 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 9, 2013.

Harvested: October 30, 2013.

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

Soil Type: Greenville sandy loam.

Soil Test: P = Medium, K = Very High, and pH = 6.2.

Fertilization: 20 lb N, 91 lb P<sub>2</sub>O<sub>5</sub>, and 75 lb K<sub>2</sub>O/acre. Sidedress: 90 lb N/acre.

Previous Crop: Soybeans

Management: Disked, chisel plowed, rototilled; Staple, Prowl, and Reflex used for weed control; Bidrin and Sniper used for insect control; Pix used for PGR; Finish and ET® used for defoliation; boron applied 2.5 lb/acre; lime applied 700 lb/acre.

	May	June	July	Aug.	Sept.	Oct.
Irrigation (in):	0	0	0	1.00	0	0
Rainfall (in):	2.25	5.24	7.77	5.91	2.16	0.36

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