

Bainbridge, Georgia:

Earlier Maturity Cotton Variety Performance, 2012, Irrigated

Variety	Lint Yield lb/acre	Lint* %	Uniformity	Length* inches	Strength* g/tex	Micronaire*
			Index* %			
PHY 499 WRF	1922	45.1	85.5	1.17	31.7	4.6
DP 1137 B2RF	1915	45.1	83.9	1.14	27.4	4.5
DP 1034 B2RF	1912	45.5	84.8	1.17	27.5	4.4
GA2009100	1841	44.5	84.1	1.15	30.4	4.3
FM1944 GLB2	1824	43.4	83.6	1.20	31.4	4.2
PX-4339-CB WRF	1796	44.5	84.6	1.19	29.2	4.2
DP 1028 B2RF	1762	45.8	84.3	1.15	28.2	4.6
GA2004143	1757	44.9	84.0	1.21	33.6	4.4
All-Tex Nitro 44 B2RF	1734	44.1	84.4	1.22	31.6	3.9
MON 11R124B2R2	1691	46.1	83.6	1.15	27.4	4.2
BRS 269	1690	43.2	84.0	1.18	31.3	4.4
BRS293	1679	41.8	85.5	1.19	31.2	4.9
GA2006106	1669	43.0	85.3	1.22	30.7	4.1
PX 4339-06 WRF	1661	44.7	84.5	1.19	29.0	4.1
DP 1219 B2RF	1658	44.4	84.6	1.18	31.5	4.5
BX1346GLB2	1645	45.0	84.7	1.18	30.9	4.1
All-Tex 7A21	1627	43.1	85.3	1.24	29.7	4.1
AM 1550 B2RF	1610	42.8	83.1	1.14	29.3	4.1
BRS 335	1583	41.6	84.2	1.18	29.8	4.2
DP 0912 B2RF	1567	43.0	83.5	1.09	29.6	4.7
All-Tex LA122	1565	44.1	84.6	1.15	30.6	4.4
DG2595 B2RF	1550	42.3	84.4	1.15	28.2	4.5
SSG AU 222	1544	44.4	84.5	1.21	28.6	4.4
NG 1511 B2RF	1536	45.3	84.7	1.13	28.6	4.6
SSG CT Linwood	1527	43.1	83.8	1.09	29.5	4.8
MON 11R112B2R2	1516	44.4	84.1	1.14	28.8	4.5
PHY 375 WRF	1514	43.5	83.4	1.13	28.4	4.0
Dyna-Gro 2570B2RF	1477	43.3	83.9	1.13	29.7	4.6
GA2008057	1419	41.9	86.3	1.22	32.7	4.2
BRS286	1410	40.8	82.9	1.13	31.7	4.4
PHY 367 WRF	1360	42.9	83.6	1.15	29.4	4.1
SSG HQ 210 CT	1325	41.4	84.2	1.14	31.6	4.4
Average	1634	43.7	84.3	1.16	30.0	4.3
LSD 0.10	184	1.1	N.S. ¹	0.04	2.4	0.4
CV %	9.6	2.1	1.1	1.91	4.8	4.8

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* 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 P_2O_5 , 0 lb K_2O , and 1900 lb/acre limestone.

Sidedress: 127 lb N and 123 lb K_2O /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.