

Hamilton County Cotton Variety On-Farm Trial Introduction

The 2014 Hamilton County Cotton Variety On-Farm Trial was organized by UF/IFAS Hamilton County Agriculture Extension Agent Keith Wynn and UF/IFAS Extension Agronomist, Dr. David Wright, in a commercial cotton field in Hamilton County. The efficacy of 15 cotton varieties was compared. Yield and quality were measured on cotton harvested from plots consisting of 8 rows each and replicated 3 times. This year the varieties

compared consisted of CG 3787 B2RF, PHY 333 WRF, DP 1050 B2RF, NG 1511 B2RF, PHY 427 WRF, ST 4747 GLB2, DP 1137 B2RF, NG 5315 B2RF, PHY 495 W3RF, ST 4946 GLB2, DP 1252 B2RF, PHY 499 WRF, ST 6448 GLB2, DP 1454 NRB2RF, PHY 575 WRF. In this trial cotton was planted on May 19, 2014, germination counts were conducted on June 10, 2014, and harvested on October 11, 2014 using the cooperating producer's equipment.

Variety	Average Weight (lb./acre)	Gin Turn Out (% Fiber)	Lint Yield (lb./acre)
CG 3787 B2RF	1710	39	667
PHY 333 WRF	2110	39	823
DP 1050 B2RF	1957	39	763
NG 1511 B2RF	2062	39	804
PHY 427 WRF	1751	36	630
ST 4747 GLB2	2004	37	741
DP 1137 B2RF	2083	39	812
NG 5315 B2RF	1935	40	774
PHY 495 W3RF	2221	38	844
ST 4946 GLB2	2127	37	787
DP 1252 B2RF	1953	38	742
PHY 499 WRF	2331	39	909
ST 6448 GLB2	2308	36	831
DP 1454 NRB2RF	2406	40	962
PHY 575 WRF	2661	35	931

(Statistical significance has not been analyzed)

Germination Rates

	Average	Plants per foot
CG 3787 B2RF	9.5	0.95
PHY 333 WRF	13.2	1.32
DP 1050 B2RF	9.3	0.93
NG 1511 B2RF	10.7	1.07
PHY 427 WRF	10.8	1.08
ST 4747 GLB2	14.3	1.43
DP 1137 B2RF	7.7	0.77
NG 5315 B2RF	5.8	0.58
PHY 495 W3RF	7	0.7
ST 4946 GLB2	15.3	1.53
DP 1252 B2RF	6.8	0.68
PHY 499 WRF	9.8	0.98
ST 6448 GLB2	9.7	0.97
DP 1454 NRB2RF	12.7	1.27
PHY 575 WRF	11.5	1.15

