

# University of Arizona Cooperative Extension

## 2007 Upland Cotton Variety Trial Results

Goodyear, AZ

Planting Date: 16 April 2007      Final Irrigation Date: 11 Sept. 2007      Harvest Date: 6 Feb. 2007  
 Total Irrigations: 10      Total N Applied: 245 lbs/A      General Soil Texture: Silt Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Micronaire	Fiber Quality				Premium/ Discount <sup>5</sup> (Points)	Value <sup>6</sup> (\$/Acre)
					Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Stoneville	ST 4554 B2RF	2784 a <sup>1</sup>	38.0 a	4.2 a	1.12 a	36.3 a	32.6 a	82.5 a	252	1125
Alltex	APEX B2RF	2701 ab	34.7 a	4.0 a	1.10 a	35.3 a	31.8 a	81.4 a	-100	1058
Phytogen	PHY 370 WR	2559 abc	33.2 a	4.3 a	1.12 a	36.3 a	29.6 a	82.3 a	-108	984
Stoneville	ST 4427 B2RF	2534 a-d	34.9 a	4.3 a	1.08 a	34.7 a	31.8 a	81.0 a	-80	994
Stoneville	ST 5327 B2RF	2532 a-d	34.6 a	4.1 a	1.12 a	36.3 a	31.2 a	81.5 a	-17	1006
Phytogen	PHY 785 WR	2406 a-e	33.0 a	4.3 a	1.10 a	35.3 a	31.2 a	82.2 a	-170	907
Delta and Pine	DP 449 BR	2376 a-e	34.4 a	4.4 a	1.10 a	35.3 a	31.2 a	82.0 a	-40	937
Americot	AM 1532 B2RF	2374 a-e	33.3 a	4.0 a	1.12 a	36.0 a	32.3 a	81.2 a	23	946
Americot	AM 1504 B2RF	2362 a-e	33.0 a	4.2 a	1.12 a	36.3 a	32.0 a	81.9 a	55	944
Alltex	AT 55066 B2RF	2272 b-e	32.1 a	3.9 a	1.11 a	35.7 a	30.7 a	82.1 a	-33	882
AllTex	SUMMIT B2RF	2231 cde	33.7 a	4.3 a	1.12 a	36.0 a	32.0 a	82.3 a	-395	797
Delta and Pine	DP 164 B2RF	2099 de	33.2 a	4.3 a	1.11 a	35.7 a	32.5 a	81.1 a	-83	811
Delta and Pine	DP 455 B2RF	2047 e	32.3 a	3.9 a	1.10 a	35.3 a	34.0 a	82.0 a	-355	731
LSD <sub>0.05</sub> <sup>2</sup>		387.2	3.22	0.61	0.04	1.39	3.94	1.37		
OSL <sup>3</sup>		0.0201	0.0841	0.8181	0.4784	0.3168	0.8081	0.3206		
CV (%) <sup>4</sup>		9.55	5.64	8.39	2.12	2.31	7.37	1.0		

<sup>1</sup>Means followed by the same letter do not significantly differ (P=.05, Duncan's New MRT).

<sup>2</sup>LSD: Least Significant Difference.

<sup>3</sup>OSL: Observed Significance Level.

<sup>4</sup>CV: Coefficient of Variation.

<sup>5</sup>Average premium or discount applied to the lint based on CCC loan schedule.

<sup>6</sup>Value of lint per acre based on CCC loan schedule of discount and premiums and assuming a base value of 52.00 cents per pound.