

# University of Arizona Cooperative Extension

## 2007 Upland Cotton Variety Trial Results

Stanfield, AZ

Planting Date: 28 March 2007

Final Irrigation Date: 9 Sept. 2007

Harvest Date: 19 Nov. 2007

Total Irrigations: Drip

Total N Applied: 130 lbs/A

General Soil Texture: Sandy Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Premium/ Discount <sup>5</sup> (Points)	Value <sup>6</sup> (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index			
Alltex	AT 55066 B2RF	843 a <sup>1</sup>	37.0 a	4.9 a	1.11 a	35.7 a	30.3 a	81.9 a	312	464	
Delta and Pine	DP 455 B2RF	807 a	36.3 a	5.0 a	1.11 a	35.3 a	29.5 a	81.5 a	348	447	
Delta and Pine	DP 449 BR	797 a	35.2 a	4.8 a	1.10 a	35.3 a	39.2 a	81.6 a	372	445	
Americot	AM 1532 B2RF	795 a	35.3 a	4.9 a	1.10 a	35.7 a	28.9 a	82.0 a	368	445	
Delta and Pine	DP 164 B2RF	781 a	35.5 a	4.9 a	1.10 a	35.7 a	30.3 a	82.7 a	488	445	
Stoneville	ST 4554 B2RF	774 a	36.9 a	5.0 a	1.09 a	35.7 a	29.8 a	81.5 a	238	422	
Stoneville	ST 5327 B2RF	763 a	35.5 a	4.7 a	1.13 a	35.0 a	30.8 a	82.3 a	605	445	
Americot	AM 1504 B2RF	735 a	35.1 a	4.9 a	1.09 a	35.0 a	29.6 a	81.6 a	227	399	
Alltex	APEX B2RF	730 a	37.5 a	4.9 a	1.10 a	35.7 a	30.0 a	82.0 a	452	412	
Dow AgroSciences	PHY 745 WR	720 a	35.1 a	4.8 a	1.12 a	36.3 a	29.8 a	81.6 a	455	407	
Dow AgroSciences	PHY 370 WR	710 a	36.9 a	5.0 a	1.11 a	35.3 a	30.3 a	82.4 a	253	398	
Stoneville	ST 4427 B2RF	692 a	35.1 a	4.8 a	1.11 a	35.7 a	30.8 a	82.5 a	638	405	
Alltex	SUMMITT B2RF	523 a	35.3 a	4.9 a	1.11 a	35.7 a	29.9 a	81.4 a	398	294	
LSD <sub>0.05</sub> <sup>2</sup>		225.3	2.41	0.47	0.044	1.46	2.24	1.56			
OSL <sup>3</sup>		0.4349	0.3583	0.9195	0.08612	0.734	0.8716	0.765			
CV (%) <sup>4</sup>		17.98	3.98	5.75	2.35	2.44	4.43	1.13			

<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.