

# University of Arizona Cooperative Extension

## 2006 Upland Cotton Variety Trial Results

Maricopa, Arizona

Planting Date: 20 April 2006      Final Irrigation Date: 11 September 2006      Harvest Date: 15 November 2006  
 Total Irrigations: 11      Total N Applied: 190 LBS      General Soil Texture: Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index	Premium/ Discount <sup>5</sup> (cents/lb)	Value <sup>6</sup> (\$/Acre)
Delta and Pine	DP 449 BG/RR	1546 a	31.0 a	4.7 a	1.14 bcd	36.8 abc	31.5 a	82.8 a	6.35	762
Delta and Pine	DP 164 B2RF	1463 a	30.3 a	4.4 b	1.19 a	37.8 a	28.6 c	81.4 a	6.09	790
AllTex	APEX B2RF	1415 ab	32.3 a	4.2 c	1.15 abc	37.0 ab	28.5 c	81.3 a	6.18	753
Stoneville	ST 4554 B2RF	1412 ab	31.3 a	4.8 a	1.12 cd	35.8 c	29.9 b	82.2 a	2.71	760
Dow AgroSciences	PHY 370 WR	1355 ab	29.7 a	4.8 a	1.12 d	36.0 bc	30.0 b	82.5 a	5.31	755
Dow AgroSciences	PHY 485 WRF	1352 ab	31.0 a	4.8 a	1.16 ab	37.3 ab	31.5 a	82.8 a	0.33	754
Stoneville	ST 4357 B2RF	1330 ab	31.7 a	4.1 c	1.16 ab	37.3 ab	28.6 c	81.7 a	4.55	750
Delta and Pine	DP 445 BG/RR	1230 bc	30.8 a	4.6 a	1.14 bcd	36.5 abc	31.4 a	82.8 a	6.01	790
Stoneville	ST 6565 B2RF	1089 c	31.1 a	4.1 c	1.19 a	37.8 a	30.8 ab	82.5 a	4.11	734
LSD <sub>0.05</sub> <sup>2</sup>		192.7	3.03	0.18	0.031	1.13	1.22	1.35	2.455	104.6
OSL <sup>3</sup>		0.0035	0.8134	0.0001	0.0004	0.0102	0.0001	0.1575	0.0004	0.958
CV (%) <sup>4</sup>		9.75	6.68	2.7	1.83	2.1	2.77	1.13	36.36	7.79

<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.