

# University of Arizona Cooperative Extension

## 2006 Upland Cotton Variety Trial Results

Coolidge, Arizona

Planting Date: 27 April 2006      Final Irrigation Date: 1 September 2006      Harvest Date: 26 October 2006  
 Total Irrigations: 10      Total N Applied: 200 LBS      General Soil Texture: Sandy Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Value <sup>6</sup> (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index	Premium/ Discount <sup>5</sup> (cents/lb)	
Delta and Pine	DP 449 BG/RR	1617 a	35.5 bc	4.8 a	1.13 b	36.5 bc	29.7 a	81.9 a	3.19	876
Delta and Pine	DP 164 B2RF	1615 a	34.6 c	4.6 a	1.20 a	38.5 a	29.6 a	81.2	5.21	901
Dow AgroSciences	PHY 370 WR	1569 a	37.0 ab	5.0 a	1.10 c	35.3 d	28.4 a	82.0 a	1.56	835
Stoneville	ST 4554 B2RF	1545 a	35.5 bc	4.9 a	1.14 b	36.5 bc	29.0 a	81.9 a	2.25	834
Delta and Pine	DP 445 BG/RR	1508 ab	37.4 a	4.8 a	1.13 bc	36.3 c	28.5 a	81.1 a	4.28	842
Stoneville	ST 6565 B2RF	1371 bc	32.0 d	4.7 a	1.17 a	37.5 b	28.9 a	83.0 a	4.45	780
Stoneville	ST 4357 B2RF	1327 c	35.3 bc	4.6 a	1.14 b	36.8 bc	26.7 b	80.8 a	4.21	760
Dow AgroSciences	PHY 485 WRF	1319 c	35.0 c	4.7 a	1.14 b	36.5 bc	28.9 a	82.2 a	-0.81	701
LSD <sub>0.05</sub> <sup>2</sup>		149.6	1.59	0.34	0.028	0.98	1.35	1.66	3.045	84.9
OSL <sup>3</sup>		0.0004	0.0001	0.2025	0.0001	0.0001	0.0048	0.1817	0.0085	0.0007
CV (%) <sup>4</sup>		6.92	3.09	4.96	4.67	1.83	3.23	1.39	68.72	8.06

<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.