

# University of Arizona Cooperative Extension

## 2006 Upland Cotton Variety Trial Results

Goodyear, Arizona

Planting Date: 7 April 2006      Final Irrigation Date: 19 September 2006      Harvest Date: 1 December 2006  
 Total Irrigations: 11      Total N Applied: 140 lbs      General Soil Texture: Silt Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Premium/ Discount <sup>5</sup> (cents/lb)	Value <sup>6</sup> (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index			
Delta and Pine	DP 449 BG/RR	1260 a	33.3 a	4.6 a	1.10 a	35.0 a	30.6 bc	80.2 a	4.12	733	
Stoneville	ST 4357 B2RF	1116 a	32.6 a	4.4 a	1.12 a	36.0 a	32.1 ab	80.7 a	5.05	772	
Delta and Pine	DP 164 B2RF	1062 a	32.2 a	5.3 a	1.10 a	35.3 a	32.4 ab	81.0 a	3.17	757	
Dow AgroSciences	PHY 370 WR	1055 a	34.0 a	4.8 a	1.07 a	34.0 a	31.5 abc	80.8 a	2.88	776	
Stoneville	ST 4554 B2RF	1041 a	32.5 a	4.8 a	1.10 a	35.3 a	31.4 bc	80.4 a	4.68	758	
Delta and Pine	DP 445 BG/RR	1028 a	33.4 a	4.9 a	1.08 a	34.7 a	33.6 a	80.7 a	2.20	683	
Stoneville	ST 6565 B2RF	1022 a	33.3 a	4.7 a	1.06 a	34.0 a	29.6 c	80.3 a	0.93	696	
Dow AgroSciences	PHY 485 WRF	1018 a	33.1 a	4.5 a	1.07 a	34.3 a	29.5 c	80.3 a	3.33	770	
LSD <sub>0.05</sub> <sup>2</sup>		190.804	2.13	0.71	0.051	1.59	1.93	1.36	4.859	77.652	
OSL <sup>3</sup>		0.1982	0.6798	0.2927	0.2345	0.1567	0.0059	0.8949	0.6694	0.134	
CV (%) <sup>4</sup>		10.13	3.68	8.58	2.68	2.61	3.52	0.97	84.19	5.97	

<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.