

# University of Arizona Cooperative Extension

## 2007 Upland Cotton Variety Trial Results

Yuma Valley, AZ

Planting Date: 28 March 2007      Final Irrigation Date: 5 Sept. 2007      Harvest Date: 15 Oct. 2007  
 Total Irrigations: 6      Total N Applied: 40 lbs/A      General Soil Texture: Sandy Clay

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Micronaire	Fiber Quality				Premium/ Discount <sup>5</sup> (\$/lb.)	Value <sup>6</sup> (\$/Acre)
					Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Stoneville	ST 4427 B2RF	1925 a <sup>1</sup>	32.7 a	4.63 a	1.10 ab	35.3 a	27.3 b	80.2 b	0.51	858
Delta and Pine	DP 445 BR	1920 a	33.9 a	4.53 ab	1.12 ab	36.0 a	30.5 ab	82.5 a	0.54	930
Stoneville	ST 4554 B2RF	1881 a	32.5 a	4.67 a	1.23 a	36.3 a	30.4 ab	81.5 ab	0.54	892
Stoneville	ST 5327 B2RF	1870 a	33.4 a	4.50 ab	1.12 ab	36.0 a	29.0 ab	81.1 ab	0.53	888
Delta and Pine	DP 449 BR	1782 ab	30.8 a	4.50 ab	1.11 ab	36.0 a	29.5 ab	80.9 ab	0.56	873
Delta and Pine	DP 121 RF	1775 ab	33.8 a	4.53 ab	1.09 ab	34.7 a	28.0 ab	80.8 ab	0.45	683
Phytogen	PHY 745 WRF	1714 ab	32.6 a	4.23 ab	1.12 ab	35.7 a	30.7 a	80.8 ab	0.54	821
Phytogen	PHY 370 WR	1575 b	32.3 a	4.60 a	1.07 b	34.3 a	28.1 ab	80.6 ab	0.49	672
LSD <sub>0.05</sub> <sup>2</sup>		145.3	1.791	0.167	0.030	1.11	1.76	1.221		
OSL <sup>3</sup>		0.0431	0.7037	0.0154	0.0261	0.4004	0.0339	0.0252		
CV (%) <sup>4</sup>		9.10	5.10	3.46	2.57	2.91	5.64	1.40		

<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.

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