

# University of Arizona Cooperative Extension

## 2005 Upland Cotton Variety Trial Results

Goodyear, AZ

Planting Date: 7 April 2005

Final Irrigation Date: 13 September 2005

Harvest Date: 15 December 2005

Total Irrigations: 12

Total N Applied: 157.5 LBS

General Soil Texture: Silt 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		
Delta and Pine	DP 449 BR	1798 a <sup>1</sup>	33.5 a	4.7 ab	1.10 a	35.6 a	29.5 a	81.2 b	359	1001
Delta and Pine	DP 555 BR	1786 a	36.1 a	4.9 a	1.06 a	34.6 a	27.4 cd	80.2 b	109	936
Dow AgroSciences	PHY 310 R	1781 a	34.5 a	4.7 ab	1.07 a	34.3 a	28.5 abc	80.7 b	308	947
Delta and Pine	DP 455 BR	1642 a	34.6 a	4.7 ab	1.06 a	34.0 a	27.5 bcd	81.2 b	259	898
Stoneville	ST 4575 BR	1620 a	34.8 a	4.7 ab	1.06 a	34.0 a	28.8 ab	81.0 b	215	879
Stoneville	ST 5599 BR	1574 a	31.8 a	4.9 a	1.08 a	34.8 a	27.8 bcd	80.4 b	136	841
Stoneville	ST 5242 BR	1559 a	35.1 a	4.5 b	1.06 a	34.0 a	26.5 d	81.0 b	261	849
Dow AgroSciences	PHY 470 WR	1537 a	32.0 a	4.5 b	1.08 a	34.7 a	28.6 abc	82.6 a	365	858
LSD <sub>0.05</sub> <sup>2</sup>		250.2	4.12	0.30	0.043	1.72	1.26	0.97	402.7	163.9
OSL <sup>3</sup>		0.2418	0.3694	0.0410	0.5949	0.7464	0.0022	0.0030	0.8342	0.4441
CV (%) <sup>4</sup>		10.18	8.18	4.36	2.73	3.38	3.03	0.81	108.19	12.24

<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.