

# University of Arizona Cooperative Extension

## 2005 Upland Cotton Variety Trial Results

Kansas Settlement, AZ

Planting Date: 14 April 2005  
Total Irrigations: Center Pivot

Final Irrigation Date: 10 September 2005  
Total N Applied: 100 LBS

Harvest Date: 25 October 2005  
General Soil Texture: Sandy 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 444 BR	843 a <sup>1</sup>	39.4 ab	3.3 e	1.08 cd	34.7 cd	28.3 ef	80.3 bc	178	454
Stoneville	ST 5242 BR	829 a	40.1 a	3.9 a	1.01 e	32.0 e	26.5 g	80.3 bc	-135	420
Stoneville	ST 5599 BR	677 ab	38.9 ab	3.7 c	1.08 cd	34.7 cd	28.4 ef	79.3 cde	340	376
New Mexico State	151799 WS	590 b	33.7 d	3.6 cd	1.16 a	37.7 a	32.8 a	82.4 a	628	344
Stoneville	ST 4575 BR	548 b	401 a	4.0 a	1.08 cd	34.7 cd	28.9 de	80.7 b	220	297
Bayer CropScience	FM 989 B2R	537 b	37.3 bc	3.6 cd	1.08 cd	34.7 cd	29.9 bc	79.2 de	423	302
Delta and Pine	DP 432 R	536 b	37.3 bc	3.8 b	1.09 bc	35.0 bc	30.2 b	80.7 b	443	302
Bayer CropScience	FM 981 LL	527 b	35.2 cd	3.8 b	1.09 bc	35.0 bc	29.0 de	80.2 bcd	477	299
Delta and Pine	DP 434 R	510 b	39.4 ab	3.6 cd	1.12 b	36.0 b	27.8 f	79.8 b-e	587	295
Bayer CropScience	FM 960 B2R	504 b	35.7 cd	3.5 d	1.10 bc	35.7 bc	29.3 cd	79.0 e	438	284
Dow AgroSciences	PHY 710 R	461 b	38.0 ab	3.7 c	1.05 d	33.7 d	29.7 bc	79.5 cde	232	251
LSD <sub>0.05</sub> <sup>2</sup>		194.6	2.07	0.09	0.031	1.13	0.62	0.94	218.2	108.9
OSL <sup>3</sup>		0.0046	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0217
CV (%) <sup>4</sup>		19.16	3.23	1.52	1.65	1.90	1.25	0.69	36.78	19.41

<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.