

University of Arizona Cooperative Extension

2005 Upland Cotton Variety Trial Results

Mohave Valley, AZ

Planting Date: 2 May 2005

Final Irrigation Date: 3 October 2005

Harvest Date: 10 December 2005

Total Irrigations: 10

Total N Applied: 202 LBS

General Soil Texture: Silty Clay Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality				Uniformity Index	Premium/ Discount ⁵ (Points)	Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)			
Delta and Pine	DP 449 BR	868 a ¹	33.0 ab	4.8 ab	1.11 b	35.8 a	31.0 b	80.1 c	584	502
Stoneville	ST 5599 BR	797 ab	30.4 bc	4.9 ab	1.15 ab	37.0 a	33.1 ab	82.2 ab	594	461
Delta and Pine	DP 455 BR	725 bc	31.9 abc	4.8 ab	1.14 ab	36.5 a	32.2 ab	81.0 b	526	415
Bayer Crop Sciences	FM 958 LL	695 c	34.0 a	5.2 a	1.12 ab	35.9 a	32.5 abc	81.3 cd	328	383
Stoneville	ST 4575 BR	677 c	31.2 c	4.7 bc	1.18 a	38.0 a	33.1 ab	81.9 abc	530	388
Bayer Crop Sciences	FM 966 LL	632 cd	30.9 c	4.5 c	1.13 ab	36.3 a	30.8 c	81.5 bcd	616	370
Stoneville	ST 5242 BR	581 d	31.7 bc	4.8 bc	1.13 ab	36.2 a	34.2 a	82.4 a	515	332
LSD _{0.05} ²		86.961	1.613	0.275	0.045	1.623	1.897	0.783	238.103	53.08
OSL ³		0.0001	0.004	0.31	0.0734	0.1222	0.0176	0.0002	0.2534	0.0001
CV (%) ⁴		8.12	3.36	3.81	2.63	2.96	3.91	0.64	30.1	8.65

¹Means followed by the same letter do not significantly differ (P=.05, Duncan's New MRT).

²LSD: Least Significant Difference.

³OSL: Observed Significance Level.

⁴CV: Coefficient of Variation.

⁵Average premium or discount applied to the lint based on CCC loan schedule.

⁶Value of lint per acre based on CCC loan schedule of discount and premiums and assuming a base value of 52.00 cents per pound.