

University of Arizona Cooperative Extension

2005 Upland Cotton Variety Trial Results

Parker, AZ

Planting Date: 9 April 2005

Final Irrigation Date: 21 September 2005

Harvest Date: 30 November 2005

Total Irrigations: 11

Total N Applied: 250 LBS

General Soil Texture: Sandy Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality					Premium/ Discount ⁵ (Points)	Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Delta and Pine	DP 449 BR	1712 a ¹	35.3 a	4.4 b	1.11 bc	35.8 b	30.3 cd	80.6 abc	574	989
Delta and Pine	DP 455 BR	1503 b	33.2 a	4.7 a	1.10 cd	35.3 bc	30.6 cd	80.1 c	516	859
Stoneville	ST 5599 BR	1315 bc	34.0 a	4.8 a	1.12 abc	36.0 ab	32.2 ab	81.5 a	571	759
Stoneville	ST 5242 BR	1299 c	32.5 a	4.2 bc	1.13 ab	36.0 ab	33.6 a	81.1 ab	391	726
Stoneville	ST 4575 BR	1168 cd	32.2 a	4.1 c	1.14 a	36.8 a	31.1 bc	80.5 bc	614	679
Bayer Crop Sciences	FM 958 LL	1011 de	35.5 a	4.8 a	1.10 bcd	35.3 bc	30.7 cd	81.4 ab	434	570
Bayer Crop Sciences	FM 966 LL	893 e	33.1 a	4.4 bc	1.09 d	34.8 c	29.2 d	80.7 abc	298	492
LSD _{0.05} ²		194.652	2.621	0.252	0.021	0.873	1.462	0.895	155.095	113.5
OSL ³		0.0001	0.0916	0.0001	0.0005	0.0035	0.0002	0.0371	0.0041	0.0001
CV (%) ⁴		10.3	5.24	3.8	1.27	1.65	3.17	0.75	21.51	10.54

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.