

University of Arizona Cooperative Extension

2005 Upland Cotton Variety Trial Results

Wellton, AZ

Planting Date: 16 March 2005

Final Irrigation Date: 29 July 2005

Harvest Date: 30 August 2005

Total Irrigations: 6

Total N Applied: 60 LBS

General Soil Texture: Silt 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)			
Stoneville	ST 4574 BR	1079 a ¹	37.7 a	5.1 a	1.11 a	35.7 abc	27.3 ab	82.3 a	228	585
Delta and Pine	DP 445 BR	1031 ab	36.3 a	4.9 ab	1.14 a	36.7 a	28.7 a	82.6 a	605	599
Stoneville	ST 5599 BR	1003 ab	35.0 a	5.0 ab	1.09 a	35.0 bc	25.0 c	80.4 c	172	540
Delta and Pine	DP 444 BR	922 bc	36.0 a	4.3 d	1.12 a	36.0 ab	26.2 bc	82.1 bc	462	522
Delta and Pine	DP 434 R	900 bcd	36.7 a	4.8 abc	1.11 a	36.0 ab	25.5 bc	80.8 bc	417	503
Bayer CropScience	FM 960 R	885 bcd	35.7 a	4.4 cd	1.09 a	35.3 abc	23.9 c	80.8 bc	490	490
Stoneville	ST 5242 BR	827 cd	32.3 b	4.6 bcd	1.06 a	34.3 c	24.3 c	80.9 bc	210	450
Bayer CropScience	FM 989 B2R	754 d	31.7 b	4.8 abc	1.09 a	35.0 bc	25.3 bc	80.4 c	192	406
LSD _{0.05} ²		141.575	2.451	0.412	0.044	1.296	2.084	1.338	437.6	69.404
OSL ³		0.0037	0.0012	0.0117	0.0863	0.0400	0.0040	0.0130	0.3821	0.0005
CV (%) ⁴		8.74	3.98	4.97	2.26	2.08	4.62	0.94	76.63	7.74

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.