University of Arizona
Cooperative Extension

2005 Upland Cotton Variety Trial Results

Somerton, AZ

Planting Date: 30 March 2005	Final Irrigation Date: 30 August 2005	Harvest Date: 7 November 2005	
Total Irrigations: 6	Total N Applied: 50 LBS	General Soil Texture: Clay 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		
Bayer CropScience	FM 958 LL	1024 a[1]	31.3 a	5.4 a	1.13 a	36.7 a	27.4 a	82.1 a	60	539
Stoneville	ST 4575 BR	944 a	31.0 a	4.9 a	1.11 a	35.7 a	27.0 a	81.9 a	243	512
Stoneville	ST 5599 BR	904 a	33.7 a	5.4 a	1.09 a	35.0 a	25.9 a	82.0 a	-163	455
Bayer CropScience	FM 960 R	851 a	32.3 a	4.9 a	1.13 a	36.3 a	27.8 a	82.5 a	237	462
Delta and Pine	DP 434 R	801 a	31.7 a	4.7 a	1.15 a	37.0 a	26.1 a	80.4 b	360	386
Delta and Pine	DP 432 R	794 a	31.0 a	4.8 a	1.14 a	36.3 a	27.2 a	82.1 a	487	453
Bayer CropScience	FM 989 B2R	762 a	30.0 a	4.8 a	1.14 a	36.5 a	26.7 a	81.9 a	348	460
Stoneville	ST 5242 BR	758 a	31.0 a	4.8 a	1.14 a	36.7 a	27.2 a	81.9 a	267	415
Delta and Pine	DP 444 BR	609 a	27.0 a	4.3 a	1.13 a	36.3 a	27.2 a	82.6 a	368	339
$LSD_{0.05}$[2]		338.169	5.553	0.67	0.051	1.572	2.103	0.930	225.4	185.564
OSL[3]		0.3846	0.4961	0.0914	0.4953	0.2975	0.6027	0.0109	0.0013	0.4777
CV (%)[4]		23.61	10.35	7.77	2.55	2.46	4.43	0.64	52.15	23.54

[1]Means followed by the same letter do not significantly differ (P=.05, Duncan's New MRT).
[2]LSD: Least Significant Difference.
[3]OSL: Observed Significance Level.
[4]CV: Coefficient of Variation.
[5]Average premium or discount applied to the lint based on CCC loan schedule.
[6]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.