

University of Arizona Cooperative Extension

2005 Upland Cotton Variety Trial Results

Coolidge, AZ

Planting Date: 14 April 2005

Final Irrigation Date: 20 August 2005

Harvest Date: 20 October 2005

Total Irrigations: 10

Total N Applied: 160 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		
Stoneville	ST 4575 BR	1690 a ¹	37.4 a	5.1 ab	1.12 a	36.2 a	28.4 b	82.2 ab	296	929
Dow AgroSciences	PHY 310 R	1626 ab	37.8 a	5.1 a	1.05 b	33.8 b	28.1 b	80.9 c	-76	833
Stoneville	ST 5599 BR	1548 abc	35.6 a	5.1 a	1.12 a	36.0 a	28.6 b	81.5 bc	278	848
Delta and Pine	SP 455 BR	1465 bcd	35.4 a	4.6 d	1.15 a	36.8 a	30.8 a	81.3 cd	642	856
Delta and Pine	DP 449 BR	1424 cd	34.3 a	4.9 bc	1.14 a	36.0 a	30.6 a	81.3 bc	453	798
Dow AgroSciences	PHY 470 WR	1314 d	34.2 a	4.7 cd	1.12 a	36.0 a	28.6 b	83.0 a	566	758
Stoneville	ST 5242 BR	1309 d	33.9 a	4.8 c	1.11 a	35.6 a	28.7 b	81.6 bc	471	743
LSD _{0.05} ²		161.8	4.07	0.18	0.039	1.22	1.25	1.08	257.1	99.6
OSL ³		0.0002	0.3127	0.0001	0.0019	0.0016	0.0001	0.0118	0.0002	0.0135
CV (%) ⁴		8.34	8.77	2.88	2.69	2.62	3.25	1.02	52.42	9.25

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.