

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Marana, AZ

Planting Date: 26 April 2007 Final Irrigation Date: 28-Aug-07 Harvest Date: 18 Oct 2007
 Total Irrigations: 3 Total N Applied: 10 tons manure Pre-plant/A 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		
Stoneville	ST 4554 B2RF	1307 a ¹	34.0 cd	4.3 a	1.11 a	35.0 a	28.8 abc	81.7 ab	671	607
Americot	AM 1532 B2RF	1303 a	34.2 c	3.9 cd	1.12 a	36.0 a	25.3 e	80.3 bc	653	604
Dow AgroSciences	PHY 370 WR	1283 a	35.8 ab	4.0 bcd	1.10 a	35.0 a	27.4 cd	81.2 ab	623	596
Delta and Pine	DP 455 B2RF	1250 a	36.7 a	3.7 d	1.11 a	35.5 a	27.8 bcd	79.6 c	479	564
Delta and Pine	DP 445 B2RF	1231 a	36.5 a	4.1 abc	1.13 a	36.2 a	30.0 a	82.0 a	718	587
Stoneville	ST 4427 B2RF	1214 ab	32.6 d	4.0 bcd	1.11 a	35.5 a	26.1 de	80.4 abc	468	534
Americot	AM 1504 B2RF	1177 ab	32.6 d	3.7 d	1.08 a	34.7 a	25.1 e	80.5 abc	541	528
Stoneville	ST 5327 B2RF	1175 ab	34.8 bc	3.8 cd	1.12 a	36.0 a	29.5 ab	81.8 ab	705	552
Delta and Pine	DP 449 BR	1066 bc	34.3 c	4.3 ab	1.11 a	35.5 a	29.3 abc	81.8 ab	650	493
Dow AgroSciences	PHY 745 WRF	963 c	33.3 cd	4.1 abc	1.12 a	35.7 a	30.0 a	81.6 ab	669	446
LSD _{0.05} ²		142.241	1.392	0.28	0.033	1.367	1.82	1.4		
OSL ³		0.0005	0.0001	0.0006	0.1392	0.4007	0.0001	0.132		
CV (%) ⁴		8.19	2.78	4.89	2.04	2.65	4.5	1.19		

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.