

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Marana, Arizona

Planting Date: 20 April 2006 Final Irrigation Date: 14 August 2006 Harvest Date: 24 October 2006
 Total Irrigations: 3 Total N Applied: 85 lbs General Soil Texture: Clay Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index	Premium/ Discount ⁵ (cents/lb)	
Dow AgroSciences	PHY 370 WR	1556 a	35.5 a	4.4 a	1.1 d	36.0 d	28.5 b	82.0 a	6.5	910
Stoneville	ST 4554 B2RF	1548 a	34.5 b	4.2 ab	1.2 bcd	37.0 bcd	29.4 b	82.6 a	5.53	890
Stoneville	ST 4357 B2RF	1437 b	33.2 c	4.0 c	1.2 abc	37.8 abc	27.3 c	81.1 a	6.74	844
Dow AgroSciences	PHY 485 WRF	1400 b	33.5 c	4.3 a	1.2 bcd	37.3 bc	30.3 a	82.3 a	3.25	774
Delta and Pine	DP 444 BG/RR	1375 b	35.3 ab	3.9 cd	1.2 cd	36.8 cd	28.9 b	82.5 a	6.76	808
Delta and Pine	DP 117 B2RF	1334 b	34.6 b	4.1 bc	1.2 abc	38.0 ab	30.3 a	82.0 a	0.44	699
Stoneville	ST 6565 B2RF	1060 c	30.3 d	3.8 d	1.2 abc	38.5 a	29.2 b	81.6 a	5.8	613
LSD _{0.05} ²		100.2	0.85	0.17	0.03	1.04	0.89	1.4	2.246	56.5
OSL ³		0.0001	0.0001	0.0001	0.0006	0.0018	0.0001	0.3699	0.0001	0.0001
CV (%) ⁴		4.86	1.68	2.78	1.63	1.88	2.05	1.15	30.23	4.81

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.