

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Yuma, Arizona

Planting Date: 11 April 2006 Final Irrigation Date: 29 September 2006 Harvest Date: 7 December 2006
 Total Irrigations: 6 Total N Applied: 50 LBS General Soil Texture: Sandy Clay

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Premium/ Discount ⁵ (cents/lb)	Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index			
Stoneville	ST 4357 B2RF	1185 a ¹	26.5 ab	4.30 a	1.14 ab	36.7 a	29.2 abc	81.3 ab	5.10	462	
Delta and Pine	DP 117 B2RF	1149 a	27.0 ab	4.40 a	1.16 a	37.0 a	31.5 a	81.2 ab	4.90	459	
PhytoGen	PHY 370 WR	1108 a	29.1 a	4.27 a	1.08 c	34.7 b	29.7 abc	81.4 ab	5.40	440	
Stoneville	ST 4554 B2RF	1023 a	26.8 ab	4.40 a	1.10 c	35.3 b	30.7 ab	81.2 ab	4.20	360	
Stoneville	ST 4700 B2RF	1022 a	26.8 ab	4.13 a	1.13 b	36.7 a	28.4 bc	81.1 ab	4.80	358	
PhytoGen	PHY 485 WRF	989 a	27.1 ab	4.23 a	1.09 c	35.0 b	30.7 ab	82.0 a	5.10	387	
Delta and Pine	DP 432 RR	703 b	27.8 ab	3.57 b	1.09 c	35.0 b	27.9 c	80.9 b	4.90	240	
Delta and Pine	DP 110 RF	508 b	25.1 b	3.80 b	1.10 c	35.3 b	30.4 ab	80.8 b	4.50	197	
LSD _{0.05} ²		242.4	3.114	0.3573	0.0267	1.152	2.546	1.037			
OSL ³		0.0001	0.2257	0.0004	0.0001	0.0008	0.0463	0.2839			
CV (%) ⁴		12.75	5.82	4.36	1.21	1.63	4.31	0.64			

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.