

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Somerton, Arizona

Planting Date: 3 April 2006 Final Irrigation Date: 25 August 2006 Harvest Date: 25 September 2006
 Total Irrigations: 6 Total N Applied: 55 lbs General Soil Texture: Sandy Clay

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)	
Stoneville	ST 4554 B2RF	990 a ¹	30.8 a	4.30 cd	1.15 abc	37.0 ab	33.0 bc	83.7 a	-3.03	396
Stoneville	ST 4357 B2RF	944 a	29.7 a	4.17 d	1.19 a	37.0 ab	30.0 e	82.7 b	2.33	409
Stoneville	ST 4700 B2RF	886 ab	30.5 a	4.43 bcd	1.18 a	37.3 a	30.3 e	83.5 a	4.00	406
PhytoGen	PHY 485 WRF	793 bc	30.4 a	4.83 a	1.10 c	35.7 c	33.3 bc	83.3 ab	2.53	351
Delta and Pine	DP 432 RR	683 cd	31.0 a	4.83 a	1.12 bc	36.0 bc	31.6 d	83.1 ab	2.53	304
PhytoGen	PHY 370 WR	628 d	30.3 a	4.37 bcd	1.15 abc	37.0 ab	32.4 cd	83.8 a	-0.45	264
Delta and Pine	DP 110 RF	621 d	29.6 a	4.53 abc	1.16 ab	37.0 ab	35.4 a	83.8 a	-3.53	243
Delta and Pine	DP 117 B2RF	610 d	28.8 a	4.70 ab	1.18 a	37.3 a	33.8 b	83.6 a	-3.57	251
LSD _{0.05} ²		140.6	2.448	0.3735	0.0524	1.111	0.9683	0.7764		
OSL ³		0.0001	0.4689	0.0043	0.0102	0.0197	0.0001	0.0374		
CV (%) ⁴		9.24	4.11	4.18	2.29	1.52	1.51	0.47		

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.