

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Stanfield, Arizona

Planting Date: 27 April 2006 Final Irrigation Date: 22 September 2006 Harvest Date: 1 November 2006
 Total Irrigations: Sub-surface Drip Total N Applied: 176 LBS General Soil Texture: Sandy Loam

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 4554 B2RF	1347 a	33.2 abc	4.7 bc	1.17 cd	37.3 c	30.7 ab	82.5 a	3.97	754	
Delta and Pine	DP 449 BG/RR	1207 b	33.5 ab	4.7 bc	1.18 bc	37.7 bc	31.0 a	83.1 a	7.10	713	
Delta and Pine	DP 445 BG/RR	1164 bc	34.7 a	4.9 ab	1.15 d	37.0 c	30.6 ab	83.0 a	7.47	692	
Dow AgroSciences	PHY 485 WRF	1159 bc	31.7 bcd	4.6 bc	1.15 d	37.0 c	29.8 b	81.9 a	3.52	643	
Dow AgroSciences	PHY 370 WR	1051 cd	34.0 ab	5.0 a	1.15 d	37.0 c	30.4 ab	82.6 a	5.27	603	
Stoneville	ST 4357 B2RF	1017 d	32.6 abc	4.4 cd	1.20 ab	38.3 ab	28.0 c	81.3 a	5.80	588	
Delta and Pine	DP 164 B2RF	924 d	30.9 cd	4.1 d	1.18 bc	37.7 bc	30.1 ab	81.4 a	5.73	535	
Stoneville	ST 6565 B2RF	706 e	29.9 d	3.7 e	1.12 a	38.7 a	30.3 ab	82.1 a	5.52	407	
LSD _{0.05} ²		124.6	2.25	0.31	0.026	0.78	1.06	1.79	2.542	86.1	
OSL ³		0.0001	0.0059	0.0001	0.0004	0.0019	0.0009	0.3102	0.0591	0.0001	
CV (%) ⁴		6.64	3.94	3.88	1.29	1.18	2.01	1.24	26.18	7.98	

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.