

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Parker, Arizona

Planting Date: 5 April 2006 Final Irrigation Date: 1 October 2006 Harvest Date: 21 November 2006
 Total Irrigations: 9 Total N Applied: 190 LBS General Soil Texture: Silty 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			
Delta and Pine	DP 164 B2RF	1931 a	30.6 cd	4.6 d	1.17 ab	37.8 a	31.2 bcd	81.2 b	6.63	775	
Dow AgroSciences	PHY 370 WR	1919 a	32.0 ab	4.8 abc	1.12 d	36.8 a	30.9 cd	82.1 a	6.31	789	
Delta and Pine	DP 449 BG/RR	1906 a	31.2 bcd	4.7 a-d	1.15 bc	37.3 a	33.0 a	82.0 ab	6.71	775	
Stoneville	ST 4357 B2RF	1860 a	30.4 d	4.2 e	1.17 ab	36.8 a	30.2 d	81.2 b	6.01	770	
Stoneville	ST 4554 B2RF	1712 b	31.04 bc	4.6 cd	1.15 bc	37.0 a	32.1 abc	82.6 a	3.05	747	
Dow AgroSciences	PHY 485 WRF	1686 b	30.7 cd	4.6 bcd	1.13 cd	35.8 a	32.1 abc	82.5 a	3.13	719	
Stoneville	ST 6565 B2RF	1623 b	28.3 e	4.8 abc	1.20 a	38.0 a	31.2 bcd	82.2 a	6.69	777	
Delta and Pine	DP 445 BG/RR	1606 b	32.7 a	4.8 a	1.16 bc	36.5 a	32.6 ab	82.3 a	6.23	774	
LSD _{0.05} ²		135.9	0.82	0.15	0.03	1.54	1.34	0.83	2.387	93.3	
OSL ³		0.0001	0.0001	0.0001	0.0009	0.1316	0.0049	0.009	0.0089	0.7981	
CV (%) ⁴		5.19	1.81	2.26	1.77	2.84	2.88	0.69	29.01	6.95	

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.