

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Mohave Valley, AZ

Planting Date: <u>10 April 2007</u>	Final Irrigation Date: <u>9 Aug. 2007</u>	Harvest Date: <u>13 Sept. 2007</u>
Total Irrigations: <u>9</u>	Total N Applied: <u>165 lbs/A</u>	General Soil Texture: <u>Silt Loam</u>

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality				
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index
Dow AgroSciences	PHY 370 WR	1050 a ¹	36.0 a	5.3 ab	1.10 a	35.3 a	30.8 b	82.5 a
Delta and Pine	DP 445 BR	1030 a	36.3 a	5.1 bc	1.12 a	36.0 a	30.4 bc	81.9 a
Stoneville	ST 4357 B2RF	971 ab	36.3 a	5.3 ab	1.11 a	35.7 a	31.0 b	82.0 a
Delta and Pine	DP 449 BR	957 ab	35.7 a	5.5 a	1.11 a	35.7 a	30.7 b	81.7 a
Stoneville	ST 5327 B2RF	955 ab	35.3 a	5.3 ab	1.09 a	35.0 a	29.5 bc	81.6 a
Alltex	AT 55066 B2RF	947 ab	34.3 a	5.2 abc	1.11 a	35.7 a	29.5 bc	82.2 a
Stoneville	ST 4427 B2RF	923 ab	35.7 a	5.0 c	1.09 a	35.0 a	28.4 c	81.1 a
Delta and Pine	DP 164 B2RF	865 b	33.8 a	5.2 abc	1.15 a	37.0 a	30.3 bc	82.5 a
Alltex	APEX B2RF	838 b	35.3 a	5.4 ab	1.09 a	35.0 a	28.3 c	81.9 a
Dow AgroSciences	PHY 745 WRF	704 c	33.7 a	5.2 bc	1.13 a	36.3 a	33.2 a	83.1 a
LSD _{0.05} ²		131.2	1.89	0.23	0.038	1.53	1.89	1.10
OSL ³		0.002	0.0567	0.0306	0.0935	0.1989	0.0026	0.0822
CV (%) ⁴		8.2	3.1	2.48	1.99	2.47	3.61	0.77

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.