

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Parker, AZ

Planting Date: <u>1 May 2007</u>	Final Irrigation Date: <u>10 Oct. 2007</u>	Harvest Date: <u>12 Nov. 2007</u>
Total Irrigations: <u>11</u>	Total N Applied: <u>180 lbs/A</u>	General Soil Texture: <u>Silt Loam</u>

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Micronaire	Fiber Quality			
					Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index
Delta and Pine	DP 449 BR	1371 a ¹	33.7 a	4.8 a	1.12 b	36.0 abc	30.1 bc	82.3 a
Delta and Pine	DP 164 B2RF	1330 a	32.3 a	4.5 bc	1.17a	37.3 a	29.6 cd	82.6 a
Delta and Pine	DP 445 B2RF	1290 a	35.0 a	4.5 bc	1.14 ab	36.7 ab	29.3 cde	81.7 a
Stoneville	ST 5327 B2RF	1277 a	34.0 a	4.7 ab	1.13 ab	36.0 abc	31.0 b	82.4 a
Dow AgroSciences	PHY 370 WR	1271 a	34.0 a	4.9 a	1.08 c	34.7 c	28.8 cde	82.0 a
Stoneville	ST 4357 B2RF	1226 a	31.3 a	4.3 c	1.13 ab	36.3 ab	28.0 e	82.1 a
Alltex	APEX B2RF	1211 a	32.0 a	4.4 c	1.15 ab	37.0 ab	28.7 de	82.6 a
Alltex	AT 55066 B2RF	1193 a	32.7 a	4.5 bc	1.14 ab	36.7 ab	28.4 de	83.0 a
Stoneville	ST 4427 B2RF	1170 a	33.0 a	4.4 c	1.11 bc	35.7 bc	29.1 cde	82.1 a
Dow AgroSciences	PHY 745 WRF	1163 a	34.0 a	4.3 c	1.12 b	36.0 abc	32.8 a	82.9 a
LSD _{0.05} ²		225.1	2.32	0.25	0.038	1.22	1.24	1.33
OSL ³		0.5943	0.0893	0.0003	0.0126	0.0136	0.0001	0.6282
CV (%) ⁴		10.5	4.07	3.03	1.94	1.97	2.45	0.94

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.