

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Thatcher, AZ

Planting Date: 4 May 2007 Final Irrigation Date: 10 Sept. 2007 Harvest Date: 24 Oct. 2007
 Total Irrigations: 6 Total N Applied: 110 lbs/A General Soil Texture: Clay Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Micronaire	Fiber Quality				Premium/ Discount ⁵ (Cents/lb)	Value ⁶ (\$/Acre)
					Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Delta and Pine	DP 455 BR	1503 a ¹	38.7 a	4.1 bc	1.08 c	34.7 d	27.1 d	80.4 bc	4.92	855
Delta and Pine	DP 164 B2R	1498 a	33.9 cd	4.3 a	1.17 a	37.7 a	28.7 c	81.4 abc	6.97	883
Phytogen	PHY 745 WR	1480 ab	32.9 ef	3.9 bcd	1.16 ab	37.3 ab	31.0 a	82.5 a	3.83	826
FiberMax	FM 1880 B2	1422 b	33.1 def	3.8 cd	1.17 a	37.7 a	30.0 ab	81.3 abc	7.08	840
Stoneville	ST 5242 B2	1300 c	36.7 b	4.0 a-d	1.08 c	34.7 d	27.0 de	81.7 abc	4.90	739
Phytogen	PHY 370 WR	1181 d	34.7 c	3.9 bcd	1.13 b	36.3 bc	28.8 bc	81.9 ab	5.68	681
Stoneville	ST 5327 B2	1152 de	36.0 b	4.3 a	1.08 c	34.6 d	27.7 cd	81.2 abc	4.45	650
AllTex	APEX B2RF	1145 de	33.0 def	3.9 d	1.13 b	36.3 bc	25.7 e	80.2 c	6.25	666
Stoneville	ST 6611 B2	1124 def	31.3 g	4.2 ab	1.13 b	36.3 bc	28.9 bc	81.6 abc	6.90	662
AllTex	55066 B2R	1095 ef	32.2fg	3.7 d	1.13 b	36.0 c	26.5 de	80.8 bc	0.93	580
Stoneville	ST 4427 B2	1071 f	33.4de	4.0 a-d	1.13 b	36.0 c	26.8 de	81.7 abc	3.17	591
LSD _{0.05} ²		71.1	0.929	0.3124	0.0346	1.2007	1.3286	1.6129		
OSL ³		<.0001	<.0001	0.0097	<.0001	<.0001	<.0001	0.2007		
CV (%) ⁴		3.3	1.596835	4.585055	1.8048	1.950017	2.784772	1.164153		

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.