

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Coolidge, AZ

Planting Date: 5 April 2007

Final Irrigation Date: 10 Sept. 2007

Harvest Date: 7 Nov. 2007

Total Irrigations: 10

Total N Applied: 150 lbs/A

General Soil Texture: Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality					Premium/ Discount ⁵ (Points)	Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Stoneville	ST 4427 B2RF	1640 a ¹	35.5 cde	4.6 cde	1.15 a	36.7 a	30.3 b	80.5 d	587	757
Stoneville	ST 5327 B2RF	1615 ab	38.8 a	4.7 b-e	1.11 bcd	35.7 bc	29.3 cd	81.8 abc	660	768
Delta and Pine	DP 455 B2RF	1538 abc	35.1 de	4.9 a-d	1.11 bc	35.7 bc	30.2 bc	81.3 bcd	490	692
Dow AgroSciences	PHY 745 WR	1474 bc	37.0 a-d	5.1 a	1.11 bc	36.0 ab	30.9 b	82.5 a	433	663
Delta and Pine	DP 449 BR	1433 c	38.5 ab	5.0 ab	1.07 f	34.3 d	29.3 cd	81.3 bcd	388	641
Dow AgroSciences	PHY 370 WR	1431 c	37.6 abc	4.9 abc	1.09 c-f	35.0 bcd	30.6 b	82.1 ab	515	657
Stoneville	ST 4554 B2RF	1428 c	35.3 de	4.7 cde	1.10 b-e	35.3 bcd	29.1 de	81.6 a-d	520	647
Alltex	SUMMITT B2RF	1385 cd	36.5 b-e	4.7 cde	1.12 bc	35.7 bc	28.4 ef	81.7 abc	592	642
Americot	AM 1532 B2RF	1267 de	34.7 e	4.7 cde	1.10 b-e	35.3 bcd	27.9 f	81.0 cd	655	589
Americot	AM 1504 B2RF	1255 de	35.3 de	4.6 de	1.08 def	34.7 cd	29.4 cd	81.3 bcd	438	557
Alltex	APEX	1203 e	34.8 de	4.7 cde	1.10 b-f	35.3 bcd	28.3 ef	82.2 ab	370	526
Alltex	Alltex 55066 B2RF	1197 e	35.0 de	4.5 e	1.08 ef	34.7 cd	28.0 f	81.6 a-d	533	543
Delta and Pine	DP 164 B2RF	1032 f	34.9 de	4.7 b-e	1.12 b	36.0 ab	32.6 a	82.4 ab	655	481
LSD _{0.05} ²		145.9	1.96	0.26	0.024	0.885	0.81	0.994		
OSL ³		0.0001	0.0007	0.0049	0.0001	0.0009	0.0001	0.0149		
CV (%) ⁴		6.29	3.22	3.28	1.31	1.48	1.63	0.72		

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.