

# University of Arizona Cooperative Extension

## 2003 Upland Cotton Variety Trial Results

Coolidge, AZ

Planting Date 11 APR 2003  
Total Number of Irrigations 10 Irrigations

Final Irrigation Date 1 SEP 2003  
Total N Applied 280 lbs. N

Harvest Date 24 OCT 2003  
General Soil Texture Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality						Value <sup>6</sup> (\$/acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index	Premium/ Discount <sup>5</sup> (points)	
Delta and Pine	DP448B	1475 a <sup>1</sup>	34.6	4.9cdef	1.11 de	35.5 bcd	29.8 de	80.0 ef	230	801
Delta and Pine	DP555BR	1465 ab	37.5	4.6 f	1.12 bcd	36.5 ab	30.6 cd	80.2 def	371	815
Stoneville	ST5599B	1456 ab	35.9	5.3 ab	1.06 g	34.0 e	29.2 e	79.5 f	-289	716
Delta and Pine	DP449BR	1450 ab	34.4	4.7 ef	1.22 bcd	36.0 abc	31.9 bc	81.0 bcd	789	825
Stoneville	ST4892B	1384 bc	36.9	5.5 a	1.08 fg	34.7 de	29.6 de	81.0 bcd	-154	699
Salcot	SCX-7	1363 c	33.0	4.7 ef	1.14 bc	36.5 ab	32.6 ab	81.0 bcd	496	776
Stoneville	ST5303R	1342 c	34.0	5.2 abc	1.11 cde	36.0 abc	32.8 ab	82.7 a	41	704
Buttonwillow	BR303	1334 c	31.5	4.7 def	1.19 a	37.0 a	32.8 ab	81.7 b	300	734
ACGA	AG3601	1190 d	30.7	5.1 bcd	1.15 b	37.0 a	33.8 a	81.2 bc	294	656
FiberMax	FM960BR	1189 d	34.0	5.0 bcde	1.09 efg	35.0 cde	33.1 ab	81.5 b	109	631
FiberMax	FM989BR	1147 d	32.4	5.0 bcde	1.10 def	35.7 bcd	32.1 b	80.5 cde	189	617
LSD <sub>0.05</sub> <sup>2</sup>		82	--	0.4	0.03	1.2	1.3	0.9		
OSL <sup>3</sup>		0.0001	--	0.0001	0.0001	0.0002	0.0001	0.0001		
CV (%) <sup>4</sup>		4.2	--	5.0	1.7	2.3	2.8	0.7		

<sup>1</sup>Means followed by the same letter are not significantly different according to a Fisher's LSD means separation test.

<sup>2</sup>LSD: Least Significant Difference.

<sup>3</sup>OSL: Observed Significance Level.

<sup>4</sup>CV: Coefficient of Variation.

<sup>5</sup>Average premium or discount applied to the lint based on CCC loan schedule.

<sup>6</sup>Value of lint per acre based on CCC loan schedule of discounts and premiums and assuming a base value of 52.00 cents per pound.