

# University of Arizona Cooperative Extension

## 2003 Upland Cotton Variety Trial Results

Somerton, AZ

Planting Date 1 APR 2003  
Total Number of Irrigations 8 Irrigations

Final Irrigation Date 9 AUG 2003  
Total N Applied 127 lbs. N

Harvest Date 15 SEP 2003  
General Soil Texture Sandy 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)	
Stoneville	ST5599BR	1370 a <sup>1</sup>	33.8 abc	5.3 abc	1.07 ef	34.3 fg	29.3 def	81.3 bc	-165	693
Stoneville	ST4892BR	1318 ab	34.3 ab	5.5 a	1.10 cde	35.3 cdef	29.6 cdef	82.7 ab	-80	674
Delta and Pine	DP444BR	1260 ab	34.7 ab	4.8 f	1.07 ef	34.3 fg	27.8 f	82.0 abc	265	689
Delta and Pine	DP449BR	1248 abc	32.8 bc	5.4 ab	1.08 def	34.7 efg	29.2 ef	81.0 dc	-170	627
Buttonwillow	BR303	1179 abcd	29. de	4.9 ef	1.18 a	37.7 a	31.3 abcde	82.3 abc	372	658
Stoneville	ST5303R	1175 abcd	32.9 bc	5.4 abc	1.08 def	35.0 defg	31.9 abcd	83.0 a	-55	605
FiberMax	FM989BR	1119 bcde	33.3 bc	5.1 cde	1.06 f	34.0 g	28.2 f	82.3 abc	-253	552
AgriPro	AP7126	1049 cdef	31.4 cd	5.2 bcd	1.14 ab	36.7 ab	30.9 bcde	81.7 abc	75	554
Salcot	SCX-7	1044 cdef	31.3 cd	5.0 def	1.11 cd	36.0 bcd	32.0 abc	82.0 abc	303	623
FiberMax	FM960BR	1021 def	32.8 bc	5.3 abcd	1.11 cd	35.7bcde	32.4 ab	82.3 abc	5	531
Delta and Pine	DP555BR	925 ef	35.9 a	5.3 abcd	1.08 def	35.0 defg	29.1 ef	81.0 cd	-123	470
ACGA	ACG3601	893 f	28.4 e	5.1 cde	1.13 bc	36.3 bc	33.8 a	82.7 ab	90	473
LSD <sub>0.05</sub> <sup>2</sup>		199	2.6	0.3	0.03	1.2	2.6	1.3		
OSL <sup>3</sup>		0.0009	0.0001	0.0007	0.0001	0.0001	0.0016	0.0018		
CV (%) <sup>4</sup>		10.0	4.5	3.2	1.9	2.0	5.0	0.9		

<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.