

# University of Arizona Cooperative Extension

## 2003 Upland Cotton Variety Trial Results

Thatcher, AZ

Planting Date 28 APR 2003  
Total Number of Irrigations 7 Irrigations

Final Irrigation Date 26 SEP 2003  
Total N Applied 83 lbs. N

Harvest Date 30 OCT 2003  
General Soil Texture Clay 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)	
FiberMax	FM991BR	1690 a <sup>1</sup>	36.0 a	4.3 a	1.10 a	35.2 a	32.6 a	81.2 ab	85	864
Stoneville	ST5303R	1661 a	35.8 a	4.4 a	1.04 a	33.5 a	30.3 a	80.0 abc	81	877
Delta and Pine	DP655BR	1661 ab	35.0 a	4.4 a	1.07 a	34.5 a	30.5 a	80.5 abc	334	920
FiberMax	FM991R	1632 abc	34.1 a	4.5 a	1.05 a	33.5 a	28.8 a	79.0 c	430	952
Delta and Pine	DP5690R	1618 abc	35.5 a	4.7 a	1.07 a	34.5 a	30.9 a	81.2 ab	281	886
Delta and Pine	DP555BR	1593 abc	36.0 a	4.4 a	1.06 a	34.2 a	30.1 a	79.7 bc	231	863
Salcot	SCX-7	1517 bcd	33.9 a	4.4 a	1.08 a	34.5 a	31.0 a	80.0 abc	360	844
Delta and Pine	DP449BR	1496 cde	34.8 a	4.3 a	1.10 a	35.2 a	31.7 a	81.5 ab	423	841
ACGA	AG3601	1398 def	32.3 a	5.1 a	1.08 a	34.5 a	32.0 a	81.0 ab	-13	725
Stoneville	ST5599BR	1395 def	34.8 a	4.3 a	1.07 a	33.5 a	30.8 a	80.2 abc	280	766
CPCSD	Riata	1363 ef	35.5 a	4.7 a	1.08 a	34.5 a	31.8 a	81.7 a	354	757
FiberMax	FM989BR	1292 f	32.3 a	4.3 a	1.08 a	34.7 a	31.9 a	81.5 ab	380	721
LSD <sub>0.05</sub> <sup>2</sup>		144	NS	NS	NS	NS	NS	1.8		
OSL <sup>3</sup>		0.0001	0.1218	0.0797	0.1035	0.2394	0.1690	0.0488		
CV (%) <sup>4</sup>		6.0	5.0	5.4	2.5	2.7	5.2	1.4		

<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.