

# University of Arizona Cooperative Extension

## 2003 Upland Cotton Variety Trial Results

Buckeye, AZ

Planting Date 15 APR 2003

Final Irrigation Date 25 SEP 2003

Harvest Date 8 DEC 2003

Total Number of Irrigations 21 Irrigations

Total N Applied 10 tons manure/ac,  
50 lbs. N

General Soil Texture Silt 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	1792 a <sup>1</sup>	31.4 bcd	4.4 d	1.10 c	35.2 bc	28.5 cde	80.5 bc	344	993
Delta and Pine	DP555BR	1758 ab	34.6 a	4.9 b	1.07 d	34.3 cde	28.5 cde	79.5 c	70	928
Delta and Pine	DP449BR	1677 b	32.1 b	4.9 cb	1.10 c	35.2 bc	30.1 bcd	80.8 b	369	934
FiberMax	FM960BR	1494 c	31.7 bc	4.8 bc	1.08 cd	35.0 c	34.2 a	81.2 ab	308	822
Delta and Pine	DP33B	1483 c	29.5 e	4.7 bc	1.09 cd	34.8 cd	30.0 bcde	80.5 bc	269	812
Stoneville	ST5599BR	1425 cd	31.9 bc	4.9 bc	1.04 e	33.3 e	27.7 de	79.5 c	-134	721
Stoneville	ST4892BR	1336 de	32.3 b	5.3 a	1.06 de	33.8 ed	27.2 e	80.8 b	-369	646
Stoneville	ST5303R	1312 e	30.3 de	5.2 a	1.09 cd	34.8 cd	31.0 b	82.3 a	-79	672
Salcot	SCX-7	1300 ef	30.8 cd	4.7 bc	1.10 bc	35.2 bc	31.7 b	81.0 b	310	689
FiberMax	FM989BR	1248 efg	30.2 de	4.8 bc	1.08 cd	34.8 cd	30.4 bc	81.0 b	271	684
ACGA	AG3601	1225 fg	28.2 f	4.7 c	1.13 ab	36.2 ab	31.3 b	81.0 b	406	687
Buttonwillow	BW303	1200 g	28.0 f	4.7 cb	1.15 a	36.5 a	31.0 b	80.5 bc	245	653
LSD <sub>0.05</sub> <sup>2</sup>		97	1.2	0.2	0.02	1.1	2.5	1.1		
OSL <sup>3</sup>		0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0009		
CV (%) <sup>4</sup>		4.7	2.7	2.8	1.7	2.1	5.7	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.