

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Maricopa, AZ

Planting Date 18 APR 2003
Total Number of Irrigations 11 Irrigations

Final Irrigation Date 25 AUG 2003
Total N Applied 180 lbs. N

Harvest Date 7 NOV 2003
General Soil Texture Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality					Value ⁶ (\$/acre)	
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		Premium/ Discount ⁵ (points)
Delta and Pine	DP449BR	1532 a ¹	33.9	5.1 a	1.10 a	35.7 a	32.6 a	80.7 a	120	817
Stoneville	ST5599B	1430 ab	33.7	5.3 a	1.06 a	34.0 a	29.8 a	80.7 a	-277	704
Delta and Pine	DP448B	1396 ab	32.8	5.0 a	1.08 a	34.3 a	31.4 a	80.7 a	62	734
ACGA	AG3601	1340 bc	30.9	5.3 a	1.11 a	35.7 a	31.6 a	81.0 a	-15	695
Stoneville	ST4892B	1337 bc	34.8	5.2 a	1.10 a	35.3 a	32.3 a	80.7 a	75	700
Stoneville	ST5303R	1315 bc	32.7	5.1 a	1.08 a	34.7 a	32.1 a	81.3 a	-32	680
Salcot	SCX-7	1307 bc	32.6	5.1 a	1.10 a	35.7 a	31.0 a	80.3 a	148	699
Delta and Pine	DP555BR	1240 cd	36.0	5.0 a	1.10 a	35.3 a	31.7 a	81.0 a	2	645
FiberMax	FM960BR	1133 d	32.9	5.3 a	1.08 a	34.7 a	32.0 a	80.0 a	-107	577
Buttonwillow	BR303	1121 d	29.8	5.2 a	1.11 a	35.3 a	31.7 a	81.7 a	83	595
FiberMax	FM989BR	1098 d	32.2	5.4 a	1.08 a	34.7 a	31.3 a	80.7 a	-148	555
LSD _{0.05} ²		152	--	NS	NS	NS	NS	NS		
OSL ³		0.0001	--	0.5301	0.7182	0.7361	0.8288	0.5899		
CV (%) ⁴		6.9	--	4.7	3.3	3.5	6.3	1.1		

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

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 discounts and premiums and assuming a base value of 52.00 cents per pound.