

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Marana, AZ

Planting Date 9 APR 2003
Total Number of Irrigations 8 Irrigations

Final Irrigation Date 25 AUG 2003
Total N Applied 136 lbs. N

Harvest Date 30 OCT 2003
General Soil Texture Clay 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	1230 a ¹	35.1 d	5.2 bc	1.09 bc	35.0 cd	29.3 bc	80.2 cde	-19	637
Stoneville	ST5599B	1223 a	36.9 b	5.2 bc	1.06 c	34.2 de	28.7 bc	80.7 bcd	-72	624
Stoneville	ST5303R	1220 a	34.9 e	5.4 a	1.06 c	34.0 e	29.8 bc	81.7 a	-298	598
Delta and Pine	DP448B	1185 ab	32.7 h	5.0 ef	1.07 bc	34.7 cde	27.4 d	79.7 e	228	643
Delta and Pine	DP555BR	1144 b	38.7 a	5.0 de	1.07 bc	24.7 cde	27.5 d	78.5 f	-6	594
Salcot	SCX-7	1127 bc	32.9 g	4.9 f	1.10 b	35.5 bc	30.0 bc	80.0 ed	434	635
FiberMax	FM960BR	1125 bc	35.6 c	5.1 cd	1.10 b	35.0 cd	31.4 a	81.0 abc	50	591
ACGA	AG3601	1065 cd	32.9 g	5.2 b	1.13 a	36.2 ab	31.8 a	81.2 ab	0	554
Buttonwillow	BR303	1050 d	33.0 f	5.0 de	1.15 a	37.0 a	30.5 ab	80.0 de	176	564
LSD _{0.05} ²		67	--	0.1	0.03	0.9	1.4	0.9		
OSL ³		0.0001	--	0.0001	0.0001	0.0001	0.0001	0.0001		
CV (%) ⁴		3.4	--	1.6	1.8	1.7	3.3	0.8		

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.