

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Parker, AZ

Planting Date 15 MAR 2003
Total Number of Irrigations 9 Irrigations

Final Irrigation Date 14 SEP 2003
Total N Applied 125 lbs. N

Harvest Date 10 OCT 2003
General Soil Texture Silt 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	842 a ¹	33.5 bc	5.5 ab	1.06	34.0	29.0 cd	80.3 cd	-316	413
Stoneville	ST5303R	815 a	33.0 cd	5.5 ab	1.06	33.8	30.0 bc	82.0 a	-323	398
Delta and Pine	DP555BR	804 a	36.0 a	5.4 bc	1.04	33.3	27.4 de	79.5 d	-531	376
Stoneville	ST5599BR	791 a	34.3 b	5.4 bc	1.03	33.0	26.5 e	79.8 cd	-557	365
Salcot	SCX-7	781 ab	32.8 cd	5.3 cd	1.07	34.5	31.0 ab	81.3 ab	-101	398
Delta and Pine	DP448B	734 ab	32.3 d	5.2 d	1.06	34.0	28.0 de	80.5 bc	-219	367
ACGA	ACG3601	669 bc	30.8 e	5.6 a	1.08	34.8	33.0 a	81.8 a	-131	338
FiberMax	FM960BR	621 c	33.0 cd	5.2 d	1.06	34.0	31.4 ab	81.5 a	-170	313
LSD _{0.05} ²		112	1.2	0.2	NS	NS	1.9	1.0		
OSL ³		0.0060	0.0001	0.0001	0.0945	0.1253	0.0001	0.0001		
CV (%) ⁴		10.1	2.4	2.1	2.2	2.5	4.4	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.