

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Mohave, AZ

Planting Date 1 MAY 2003
Total Number of Irrigations _____

Final Irrigation Date _____
Total N Applied 265 lbs. N

Harvest Date 21 OCT 2003
General Soil Texture Sandy 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)	
Stoneville	ST5599BR	961 a ¹	29.8 a	4.7 a	1.08 de	35.0 cd	27.9 d	79.5 de	176	515
Delta and Pine	DP448B	944 ab	28.0 ab	4.6 ab	1.11 dc	35.7 bc	28.5 d	80.0 cd	401	529
Stoneville	ST5303R	943 ab	28.5 a	4.7 ab	1.11 bc	35.7 bc	31.0 bc	81.8 a	429	531
Delta and Pine	DP555BR	867 ab	31.0 a	4.4 bc	1.10 cd	35.2 cd	29.2 cd	78.8 e	353	482
Delta and Pine	DP449BR	814 bc	30.2 a	4.6 ab	1.14 ab	36.5 ab	30.6 bc	81.0 ab	458	461
Salcot	SCX-7	686 c	29.0 a	4.2 c	1.12 abc	36.5 ab	31.5 b	80.5 bc	485	390
FiberMax	FM960BR	531 d	28.0 ab	4.5 ab	1.07 e	34.5 d	30.5 bc	80.8 bc	325	293
ACGA	ACG3601	387 e	25.0 b	3.9 d	1.14 a	37.03 a	33.6 a	81.0 ab	506	221
LSD _{0.05} ²		143	3.2	0.3	0.03	0.8	1.8	1.0		
OSL ³		0.0001	0.0305	0.0001	0.0002	0.0001	0.0001	0.0001		
CV (%) ⁴		12.7	7.6	4.2	1.6	1.6	4.1	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.