

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Stanfield, AZ

Planting Date 23 APR 2003
Total Number of Irrigations 9 Irrigations

Final Irrigation Date 13 SEP 2003
Total N Applied 199 lbs. N

Harvest Date 4 NOV 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	ST5599B	1264 a ¹	34.1 c	4.8 b	1.10 b	35.3 b	29.5 e	79.3 c	253	669
Delta and Pine	DP449BR	1250 a	33.5 d	4.8 b	1.12 b	36.0 b	32.5 abc	81.0 ab	350	683
Stoneville	ST4892B	1220 a	34.9 b	5.2 a	1.11 b	35.6 b	30.7 de	81.3 ab	27	615
Delta and Pine	DP448B	1155 ab	31.4 l	4.3 c	1.12 b	36.3 b	30.3 de	80.0 bc	420	625
Salcot	SCX-7	1061 bc	32.5 f	4.2 c	1.13 b	36.3 b	32.5 abc	80.6 bc	472	581
Buttonwillow	BR303	1017 c	30.3 j	4.6 b	1.22 a	39.0 a	31.9 bcd	81.0 bc	452	587
FiberMax	FM960BR	982 cd	33.3 e	4.6 b	1.09 b	35.3 b	33.2 ab	80.3 bc	413	533
Stoneville	ST5303R	974 dc	31.9 h	4.3 c	1.13 b	36.3 b	32.9 abc	82.3 a	457	551
ACGA	AG3601	966 cd	29.1 k	4.0 d	1.20 a	38.3 a	34.0 a	81.3 ab	485	524
Delta and Pine	DP555BR	955 cd	36.5 a	4.0 d	1.10 b	35.6 b	30.5 de	79.3 c	395	525
FiberMax	FM989BR	885 d	32.0 g	4.7 b	1.10 b	35.6 b	31.3 cd	80.3 bc	373	506
LSD _{0.05} ²		123	--	0.3	0.04	1.0	1.7	1.5		
OSL ³		0.0001	--	0.0001	0.0001	0.0001	0.0003	0.0127		
CV (%) ⁴		8.0	--	3.9	1.9	1.7	3.1	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.