

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Wellton, AZ

Planting Date 20 MAR 2003
Total Number of Irrigations 7 Irrigations

Final Irrigation Date 24 JUL 2003
Total N Applied 165 lbs. N

Harvest Date 3 SEP 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)	
Stoneville	ST5599BR	2015	34.2	4.7 abc ¹	1.08 de	35.0 bcd	27.7	80.0 cd	365	1121
Delta and Pine	DP449BR	1864	33.8	4.5 abcd	1.13 bcd	36.0 bc	30.4	81.5 ab	433	1049
Delta and Pine	DP555BR	1797	33.7	4.4 bcd	1.07 de	34.5 bc	26.4	78.5 e	205	949
Stoneville	ST4892BR	1744	32.6	4.8 ab	1.09 de	35.0 bcd	27.3	81.5 ab	360	970
Buttonwillow	BR303	1741	32.1	4.3 cde	1.22 a	38.5 a	28.8	81.0 bc	420	978
Salcot	SCX-7	1677	32.7	4.4 cde	1.11 bcd	35.5 bc	27.9	80.0 cd	395	939
AgriPro	AP7126	1608	32.1	4.3 def	1.15 b	36.5 b	29.1	81.5 ab	415	904
Stoneville	ST5303R	1595	33.9	4.5 abcd	1.09 cde	34.5 cd	30.9	82.5 a	363	887
FiberMax	FM989BR	1594	32.9	4.3 de	1.09 bcde	35.5 bc	28.2	79.5 de	388	891
FiberMax	FM960BR	1533	32.6	4.3 cde	1.05 e	33.5 d	28.8	80.0 cd	88	812
Delta and Pine	DP444BR	1442	29.2	4.0 e	1.11 bcd	36.0 bc	26.3	88.5 bcd	445	814
ACGA	ACG3601	1327	29.0	4.9 a	1.14 bc	36.5 b	29.8	81.5 ab	470	758
LSD _{0.05} ²		NS	NS	0.4	0.05	1.6	NS	1.4		
OSL ³		0.0579	0.6673	0.0197	0.0013	0.0035	0.0656	0.0029		
CV (%) ⁴		7.7	6.4	3.8	2.1	2.1	4.5	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.