

University of Arizona Cooperative Extension

2003 Upland Cotton Variety Trial Results

Kansas Settlement, AZ

Planting Date <u>10 APR 2003</u>	Final Irrigation Date <u>10 SEP 2003</u>	Harvest Date <u>11 NOV 2003</u>
Total Number of Irrigations <u>Center Pivot</u>	Total N Applied <u>104 lbs. N</u>	General Soil Texture <u>Sandy loam</u>

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)	
FiberMax	FM991BR	1112 a ¹	36.3	3.9	1.12	36.0	32	81.0	505	634
FiberMax	FM991R	999 ab	35.7	3.8	1.11	36.0	31	79.0	415	561
Stoneville	ST5303R	907 bc	38.3	4.5	1.07	34.0	31	83.0	300	497
Stoneville	ST5599BR	879 bc	37.5	3.8	1.03	33.0	28	80.0	300	451
Salcot	SCX-7	855 bcd	35.5	3.6	1.09	35.0	30	81.0	400	479
FiberMax	FM989BR	848 bcd	37.2	4.1	1.00	32.0	27	79.0	-280	417
CPCSD	Riata	817 cd	37.7	4.0	1.12	36.0	32	82.0	505	466
NMSU	1517-99	798 cde	32.7	3.8	1.16	37.0	33	82.0	535	458
CPCSD	Nova	793 cde	37.2	4.5	1.11	36.0	33	83.0	525	454
CPCSD	Sierra	735 cde	34.6	4.0	1.12	36.0	31	82.0	5105	419
Delta and Pine	DP451BR	709 de	32.9	4.1	1.06	34.0	27	80.0	235	385
ACGA	AG3601	697 de	33.0	3.7	1.07	34.0	31	97.0	260	381
Delta and Pine	PM1199R	687 de	36.2	4.6	1.06	34.0	28	83.0	215	372
NMSU	1517-95	632 e	32.7	4.0	1.42	37.0	33	83.0	540	363
LSD _{0.05} ²		170	--	--	--	--	--	--	--	--
OSL ³		0.0001	--	--	--	--	--	--	--	--
CV (%) ⁴		15.0	--	--	--	--	--	--	--	--

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.