

University of Arizona Cooperative Extension

2007 Upland Cotton Variety Trial Results

Kansas Settlement, AZ

Planting Date: 30 April 2007 Final Irrigation Date: 15 Sept. 2007 Harvest Date: 26 Oct. 2007
 Total Irrigations: Drip Total N Applied: 100 lbs/A General Soil Texture: Sandy Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Fiber Quality					Premium/ Discount ⁵ (cent/lb)	Value ⁶ (\$/Acre)
				Micronaire	Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Phytogen	PHY 370 W R	1142 a ¹	37.2 abc	4.2 cd	1.08 b-e	34.8 bc	28.2 bc	81.1 a	4.83	648
Delta and Pine	DP 444 BR	1064 ab	37.1 a	4.0 bcd	1.07 e	34.5 c	27.8 bc	80.9 ab	4.00	595
Stoneville	ST 4427 B2 RF	1063 ab	34.7 bc	3.9 cd	1.11 b-e	35.8 abc	28.2 bc	81.0 ab	5.94	616
FiberMax	FM 1880 B2RF	1009 bc	35.7 abc	3.9 d	1.15 ab	36.8 ab	28.9 ab	79.8 b	6.96	595
Delta and Pine	DP 432 R	1001 bcd	36.3 ab	4.4 a	1.08 de	34.5 c	27.9 bc	81.0 a	4.34	563
Stoneville	ST 5327 B2 RF	999 bcd	36.7 ab	4.0 bcd	1.10 cde	35.3 bc	28.0 bc	81.2 a	5.79	578
Phytogen	PHY 745 W RF	998 bcd	35.4 abc	3.9 bcd	1.12 bcd	36.0 abc	29.0 ab	81.9 a	6.56	585
FiberMax	FM 9063 B2RF	991 bcd	35.3 abc	44.0 bcd	1.17 a	37.3 a	29.7 a	80.7 ab	7.21	587
Delta and Pine	DP 121 RF	976 bcd	37.2 a	4.3 a	1.08 de	35.0 c	27.5 bc	80.8 ab	4.59	551
AllTex	APEX B2 RF	969 bcd	35.4 abc	4.2 a-d	1.11 b-e	35.5 bc	26.9 c	80.8 ab	5.44	556
AllTex	55066 B2 RF	928 cd	35.1 abc	3.9 cd	1.11 b-e	35.5 bc	27.7 bc	81.5 a	5.40	532
Stoneville	ST 6611 B2 RF	910 d	33.9 c	4.2 ab	1.14 abc	36.8 ab	28.9 ab	81.9 a	7.01	538
LSD _{0.05} ²		97.6	2.3404	0.3	0.0441	0.0441	1.5481	1.2419		
OSL ³		0.0032	0.1088	0.0241	0.0015	0.0015	0.0505	0.1228		
CV (%) ⁴		6.8	4.5	5.6	2.8	2.8	3.8	1.1		

¹Means followed by the same letter do not significantly differ (P=.05, Duncan's New MRT).

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 discount and premiums and assuming a base value of 52.00 cents per pound.