

University of Arizona Cooperative Extension

2006 Upland Cotton Variety Trial Results

Thatcher, Arizona

Planting Date: 25 April 2006 Final Irrigation Date: 15 September 2006 Harvest Date: 31 October 2006
 Total Irrigations: 6 Total N Applied: 120 LBS General Soil Texture: Pima Clay Loam

Company	Variety	Lint Yield (lbs/Acre)	Percent Lint	Micronaire	Fiber Quality				Premium/ Discount ⁵ (cents/lb)	Value ⁶ (\$/Acre)
					Fiber Length (100ths)	Staple Length (32nds)	Fiber Strength (g/tex)	Uniformity Index		
Dow AgroSciences	PHY 745 WRF	1859.9 a	36.5	3.6	1.19	37.7	29.6	81.9	2.85	1020.47
Delta and Pine	DP 455 BG/RR	1701.2 b	41.7	3.7	1.15	36.7	28.6	80.0	6.95	1002.74
Delta and Pine	DP 164 B2RF	1645.7 bc	37.3	3.4	1.17	37.3	28.8	80.0	4.27	925.05
Stoneville	ST 5242 BR	1606.4 c	39.7	3.7	1.11	35.7	26.1	80.6	5.80	928.44
Bayer CropSciences	FM 9063 B2RF	1494.6 d	37.3	3.7	1.23	39.7	30.3	80.8	6.93	880.72
Delta and Pine	DP 655 B/RR	1487.7 d	37.2	3.4	1.17	37.3	29.1	81.5	5.00	847.43
Bayer CropSciences	FM 991 BR	1487.0 d	36.8	3.7	1.18	38.0	29.9	81.2	7.12	878.83
Stoneville	ST 4554 B2RF	1474.0 de	38.0	3.9	1.13	36.3	26.8	80.0	3.63	820.09
Delta and Pine	DP 143 B2RF	1389.3 ef	36.6	3.3	1.22	39.0	28.2	80.1	-2.57	686.31
Dow AgroSciences	PHY 485 WRF	1378.2 f	36.0	3.9	1.14	37.0	27.1	81.6	-3.18	673.06
AllTex	APEX B2RF	1336.9 fg	36.3	3.4	1.21	38.7	26.4	80.2	3.78	745.93
AllTex	SUMMIT B2RF	1333.5 fg	36.2	3.3	1.14	36.7	25.4	79.9	2.32	724.01
Stoneville	ST 4357 B2RF	1325.3 fgh	36.1	3.0	1.17	37.3	26.5	80.2	-1.50	671.24
Stoneville	ST 6611 B2RF	1278.7 gh	34.9	3.4	1.19	37.7	28.6	80.4	3.55	711.49
Stoneville	ST 6565 B2RF	1272.8 h	34.6	3.5	1.20	38.3	28.8	81.0	4.72	704.41
Dow AgroSciences	PHY 370 WR	1239.3 h	39.1	3.4	1.14	36.7	27.1	80.9	1.33	660.66
LSD ²		87.4	1.1	0.3	0.02	0.8	1.4	NS	3.49	70.69
OSL ³		0.0001	0.0001	0.0004	0.0001	0.0001	0.0001	0.1188	0.0001	0.0001
CV (%) ⁴		3.6	1.7	5.6	1.4	1.3	2.9	1.1	65.7	5.3

¹Means followed by the same letter do not significantly differ (Fishers).

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.