

2017 University of California UPLAND ADVANCED STRAINS COTTON VARIETY TRIAL _ West Side REC site only

fiber quality - hvi results: Ginned at Shafter Station, analyzed at the USDA-AMS Classing Office - Visalia, CA

5-Mar-18 update

Questions?	Cooperative Project by:
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Location: University of CA West Side REC - Fresno County

VARIETY	MICRO-NAIRE	LENGTH (in)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING		COLOR	
					LEAF GRADE	HVI TRASH	RD	+B
BX 1831GLT	4.70	1.16	31.6	80.9	5.75	1.18	73.40	8.6
BX 1832GLT	5.03	1.16	32.5	82.1	6.25	1.45	73.10	8.7
BX 1836GLT	5.00	1.16	32.5	81.7	6.25	1.38	72.60	8.8
BX 1838GLT	4.58	1.18	31.7	80.9	5.75	1.25	74.40	9.2
BX 1839GLT	4.73	1.19	32.0	81.8	6.00	1.23	73.00	8.8
BX 1840GLT	4.80	1.12	31.6	81.5	6.50	1.40	71.50	8.3
BX 1835GLT	4.20	1.18	31.7	80.8	7.25	1.78	73.70	7.7
BX 1837GLT	4.53	1.18	32.0	81.8	5.75	1.10	73.00	8.7
ST 5517GLTP	4.73	1.16	33.0	82.6	6.00	1.33	71.10	8.7
FM 1830GLT	5.10	1.16	32.2	81.9	6.25	1.30	72.60	8.7
16R324B3XF	5.00	1.20	33.2	81.6	6.75	1.50	71.20	8.7
16R338B3XF	4.63	1.15	32.7	81.8	6.75	1.68	71.40	9.2
16R341B3XF	4.38	1.24	34.9	82.1	7.00	1.78	71.60	8.5
16R343B3XF	4.55	1.21	33.1	82.4	6.75	1.58	71.40	9.2
16R346B3XF	4.48	1.23	35.1	82.3	7.50	1.80	70.30	8.8
16R351B3XF	4.45	1.19	35.1	83.3	6.75	1.60	72.20	9.2
16R353B3XF	4.68	1.17	33.9	82.4	6.75	1.65	70.20	9.0
16R225NRB2XF	4.58	1.19	33.7	83.4	7.00	1.65	70.20	9.1
16R245NRB2XF	4.55	1.21	32.3	82.0	7.75	2.00	69.60	9.3
16R246NRB2XF	5.03	1.18	33.9	83.0	7.00	1.75	68.80	9.6
CPS 16214 B2XF	5.15	1.16	32.5	83.4	7.25	1.65	71.20	8.9
CPS 17228NR B2XF	4.38	1.21	33.3	82.1	7.75	1.98	68.60	9.2
CPS 17251NR B2XF	4.70	1.17	31.3	81.5	7.00	1.65	70.40	9.5
CPS 1702 GLT	4.65	1.13	32.9	81.9	6.50	1.58	71.90	8.5
DG 3109 B2XF	4.93	1.11	33.3	82.7	7.50	2.08	68.70	8.6
PHY 725RF	4.60	1.18	35.9	81.8	6.50	1.58	70.90	9.6
MEAN	4.70	1.18	33.0	82.1	6.70	1.57	71.40	8.9
LSD 0.05	0.22	0.04	1.3	1.4		NS	2.60	0.5
LSD 0.10					1.11			
%CV	3.30	2.50	2.7	1.2	14.00	26.70	2.60	3.6
P	0.00	0.00	0.0	0.0	0.06	0.10	0.00	0.0

* **NOTE: SAMPLES SUBMITTED FOR HVI ANALYSES** were separated from seed using a mini-gin. This ginning method differs from UCCE methods in prior years (mini-gin does not have commercial gin style cleaners).

Corrections were calculated for moisture loss/gain between field harvest weight timing and ginning timing, and basic gin loss estimates are typically lower with use of mini-gin. All samples were handled in an identical manner in terms of mini-gin operations.

a LSD = least significant difference at 5% or 10% level (differences in mean values shown that differ by more than LSD value shown are significantly different)

b C.V. = coefficient of variation across replications

c P = probability (if value shown is 0.05 or less, there is greater than a 95% probability of significant differences between mean values shown)