2017 University of California UPLAND / ACALA COTTON VARIETY TRIALS

5-Mar-18 update

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

Questions?	Cooperative Project by:
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	SJV Quality Cotton Growers Assoc.-Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties

Location: Shafter Research Center - Kern County

VARIETY	MICRO-NAIRE	LENGTH (in)	STRENGTH (g/Tex)	UNIFORMITY INDEX	MANUAL CLASSING LEAF GRADE	HVI TRASH	COLOR RD	COLOR +B
PHY 725RF	4.35	1.26	35.7	83.0	7.25	1.68	69.30	8.5
PHY 764WRF	4.00	1.23	37.4	83.9	7.50	1.98	69.20	8.2
DAYTONA RF	4.40	1.20	35.2	83.2	7.25	1.85	69.00	8.3
FM 1830GLT	4.55	1.22	33.1	82.4	6.50	1.45	73.70	7.8
FM 1888GL	4.83	1.22	33.5	82.8	6.50	1.43	71.90	7.7
FM 1953GLTP	4.50	1.21	32.7	83.1	6.75	1.50	73.30	7.2
ST 5020GLT	4.63	1.22	34.3	83.4	7.50	1.83	67.70	8.0
DP 1646 B2XF	4.63	1.23	31.8	82.7	5.75	1.13	74.10	8.1
DP 1639 B2XF	4.88	1.16	32.6	82.9	6.25	1.28	71.70	8.4
DP 1522 B2XF	4.83	1.19	32.7	82.8	7.25	1.65	69.50	8.1
DP 1725 B2XF	4.90	1.18	31.2	82.3	6.00	1.28	72.00	8.1
DP 1555 B2XF	4.50	1.20	33.1	82.8	5.50	1.10	75.20	8.3
MEAN	4.58	1.21	33.6	82.9	6.67	1.51	71.40	8.0
LSD 0.05	0.38	0.03	1.4	0.8	1.03	0.45	2.40	0.4
%CV	5.8	1.9	2.9	0.7	10.7	20.9	2.3	3.1
P	0.001	0.000	0.000	0.016	0.002	0.003	0.000	0.000

* **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)