

2019 University of California - UPLAND VARIETY TRIAL - West Side REC site						February 15, 2020 update			
fiber quality (hvi data summary)									
Questions?						Cooperative Project by:			
contact: Bob Hutmacher (Univ. CA)						University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC			
Cell: (559) 260-8957						<b>Funding by:</b> Cotton Incorporated State Support Committee, CA Cotton Growers&Ginners Assoc, CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.			
email: rbhutmacher@ucdavis.edu						<b>Cooperators:</b> multiple growers, Dan Munk, Brian Marsh, Lynn Sosnoskie, Bill Weir, Mark Keeley, Raul Delgado, Jorge Angeles,			
						Tarilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties;			
						San Joaquin Quality Cotton Growers Assoc.-Shafter Research Station; Various Seed Companies			
LOCATION: <b>West Side Research and Extension Center - Univ. of California - Five Points area - Fresno County</b>						HARVEST DATE: 10/25			
row spacing = 40 inches									
PLANTING DATE: 4/19						MANUAL			
						CLASSING			
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	COLOR	
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	TRASH	RD	+B
FM 1830 GLT	BASF Fibermax	4.80	1.21	34.9	83.9	4.75	0.80	74.4	7.60
ST 4550 GLTP	BASF Stoneville	4.80	1.21	33.6	84.9	5.00	1.08	72.8	8.13
FM 2398 GLTP	BASF Fibermax	5.13	1.18	33.2	83.7	4.50	0.80	74.7	7.83
ST 5600 B2XF	BASF Stoneville	4.85	1.25	34.6	84.7	6.00	1.30	71.1	8.48
ST 5707 B2XF	BASF Stoneville	4.88	1.22	36.4	85.2	5.25	1.00	70.8	9.03
FM 2498 GLT	BASF Fibermax	4.98	1.21	32.7	83.7	4.75	0.83	74.4	7.65
ST 5471 GLTP	BASF Stoneville	4.70	1.19	34.5	83.3	5.25	1.00	73.3	7.75
FM 2574 GLT	BASF Fibermax	4.70	1.21	34.2	83.7	5.25	1.00	73.4	7.80
PHY 764 WRF	Phytogen	4.43	1.22	38.4	84.4	6.00	1.28	69.5	8.28
DP 1646 B2XF	Delta Pine / Bayer	4.80	1.25	32.0	83.9	5.25	1.05	74.9	7.90
DP 1820 B3XF	Delta Pine / Bayer	4.78	1.26	35.9	84.6	4.75	0.85	73.4	8.08
DP 1845 B3XF	Delta Pine / Bayer	4.28	1.28	33.6	83.6	6.00	1.25	72.4	7.55
MEAN		4.76	1.22	34.50	84.13	5.23	1.02	72.93	8.01
LSD 0.05 <sup>a</sup>		0.37	0.03	1.40	NS	NS	NS	2.10	0.30
%CV <sup>b</sup>		5.4	1.9	2.8	1.1	17.9	27.0	2.0	2.6
P <sup>c</sup>		0.005	0.000	0.000	0.105	0.287	0.105	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 used prior to 2017 (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 a table top style of mini-gin. All samples were handled in an identical manner in terms of mini-gin operations.									
<sup>a</sup> LSD 0.05= least significant difference at 5% level; LSD 0.10=least significant difference at 10% level (differences in mean values shown that differ by more than LSD value shown are significantly different)									
<sup>b</sup> C.V. = coefficient of variation across replications									
<sup>c</sup> P = probability (if value shown is 0.05 or less, there is greater than a 95% probability of significant differences between mean values shown)									

2019 University of California - UPLAND ADVANCED STRAINS TRIAL - West Side REC site						February 15, 2020 update			
fiber quality (hvi data summary)									
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		San Joaquin Quality Cotton Growers Assoc.-Shafter Research Station; Various Seed Companies							
LOCATION: <b>West Side Research and Extension Center - Univ. of California - Five Points area - Fresno County</b>						HARVEST DATE: 10/28			
row spacing = 40 inches									
PLANTING DATE: 4/22						MANUAL			
						CLASSING			
VARIETY	SEED COMPANY	MICRO-NAIRE	LENGTH (in)	STRENGTH (g/Tex)	UNIFORMITY INDEX	LEAF GRADE	HVI TRASH	COLOR RD	+B
DGX 19001 B3XF	Dynagro	4.45	1.27	32.4	84.0	5.75	1.23	72.7	7.88
DGX 19014 B3XF	Dynagro	4.68	1.22	34.3	84.1	4.50	0.83	74.3	7.93
DGX H929 B3XF	Dynagro	4.70	1.19	35.0	85.3	5.25	1.00	72.5	8.65
BX 2002 GL	BASF	4.63	1.19	37.7	84.6	6.25	1.23	71.0	8.28
BX 2005 GLT	BASF	4.90	1.23	35.9	84.8	5.50	1.18	71.9	8.00
BX 2037 GLT	BASF	4.75	1.24	35.6	84.0	4.50	0.83	75.2	7.30
BX 2016 GLTP	BASF	4.63	1.23	33.5	84.8	5.25	1.10	71.5	8.23
BX 2022 GLTP	BASF	4.68	1.22	35.6	84.4	5.25	1.00	72.7	8.65
BX 2076 GLTP	BASF	4.93	1.20	33.9	83.8	4.25	0.70	74.1	7.75
FM 2398 GLTP	BASF-Fibermex	5.45	1.21	34.4	84.0	4.50	0.88	73.6	7.78
FM 2498 GLT	BASF-Fibermex	5.08	1.23	33.0	84.8	4.75	0.90	74.5	7.88
ST 5600 B2XF	BASF-Stoneville	4.70	1.23	35.6	84.2	5.75	1.18	71.6	8.45
ST 5707 B2XF	BASF-Stoneville	4.85	1.26	36.0	84.9	5.00	0.93	70.7	8.98
FM 1621 GL	BASF-Fibermex	4.95	1.20	35.3	84.2	6.50	1.53	69.9	7.85
18 R411 B3XF	Delta Pine / Bayer	4.50	1.21	32.3	83.8	5.00	0.95	74.6	7.93
18 R421 B3XF	Delta Pine / Bayer	4.65	1.23	32.7	84.2	5.00	1.00	75.1	7.85
18 R423 B3XF	Delta Pine / Bayer	4.20	1.16	32.6	83.0	7.00	1.78	69.5	7.15
18 R438 B3XF	Delta Pine / Bayer	4.55	1.18	32.9	83.1	4.50	0.80	74.5	8.30
18 R445 B3XF	Delta Pine / Bayer	4.25	1.29	33.4	84.9	5.00	1.00	74.9	8.18
18 R448 B3XF	Delta Pine / Bayer	4.13	1.30	36.4	83.6	6.75	1.55	69.4	8.65
PHY 764 WRF	Phytogen	4.45	1.24	39.5	84.4	4.75	0.90	72.6	8.25
MEAN		4.67	1.23	34.67	84.23	5.29	1.07	72.70	8.09
LSD 0.05 <sup>a</sup>		0.33	0.03	1.70	1.00	1.08	0.39	2.10	0.34
%CV <sup>b</sup>		5.0	1.7	3.5	0.8	14.5	26.1	2.9	2.9
P <sup>c</sup>		0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
<b>* NOTE: SAMPLES SUBMITTED FOR HVI ANALYSES</b> were separated from seed using a mini-gin. This ginning method differs from UCCE methods used prior to 2017 (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 a table top style of mini-gin. All samples were handled in an identical manner in terms of mini-gin operations.									
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