2018 University	of Californi	a PIMA CO	TTON VARII	ETY TRIALS				7-Feb-19	update				
Questions?			Cooperative P	Project by:									
contact: Bob Hutmacher (Univ. CA)			University of CA	Coop. Extension (	UC-ANR) / Univ. C	A Davis Plant S	Sci Dept. / Univ.	CA West Side F	REC				
Cell: (559) 260-8957			Funding by: CA	Funding by: CA Cotton Growers&Ginners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.									
email: rbhutmacher@ucdavis.edu		Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lynn Sosnoskie, Mark Keeley, Raul Delgado, TariLee Frigulti,											
			SJV Quality Cott	on Growers Assoc	Shafter, Univ CA	Cooperative Ex	ktension Tulare,	Kings, Fresno, I	Kern, Merced C	counties			
											+	+	
ocation: Corcora	n area - Hans	sen Ranches	(Kings County)								+	+	
lay loam soil, 30 inc			(:go o o a)									1	
<b>,</b>													
					MANUAL								
					CLASSING								
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR					
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B				
DP 341RF	4.73	1.47	48.3	87.6	7.00	6.50	3.15	57.3	10.9				
DP 348RF	4.93	1.42	48.4	87.5	7.00	7.00	4.05	54.7	11.1				
PHY 841RF	5.05	1.44	45.1	87.0	7.00	6.75	3.58	55.5	11.3				
PHY 881RF	5.03	1.47	45.8	87.5	7.00	6.50	3.20	56.8	11.0				
PHY 888RF	4.75	1.46	45.1	87.2	7.00	7.00	3.53	55.5	11.2				
DP 358RF	4.88	1.42	46.4	87.6	7.00	7.00	3.60	55.8	11.0				
MEAN	4.90	1.45	46.52	87.40	7.00	6.79	3.52	55.93	11.08				
LSD 0.05 <sup>a</sup>	0.23	0.02	NS	NS	NS	NS	0.54	NS	NS				
%CV <sup>b</sup>	3.10	1.10	5.0	0.5	-	5.80	10.10	2.5	2.3				
P <sup>c</sup>	0.040	0.002	0.187	0.408	-	0.225	0.032	0.147	0.233				
NOTE: SAMPLES SUE	gin style cleane	ers). Correction	s were calculated	for moisture loss/	gain between field	harvest weight	timing and ginn	ng timing, and b					
LSD = least significan					in an identical mar				1			-	
C.V. = coefficient of v			umerences in me	an values shown th	iat diller by filore t	TIATI LOD VAIUE	SHOWIT ATE SIGNI	ncarity unreferit	)		+	+	
P = probability (if value			greater than a 95°	% probability of sig	nificant differences	s between mear	n values shown)	I.					

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	Funding by: CA Cotton Growers&Ginners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.
email: rbhutmacher@ucdavis.edu	Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lynn Sosnoskie, Mark Keeley, Raul Delgado, TariLee Frigulti,
	SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties

Location: Los Banos area - Bowles Farms (Merced County)

clay loam soil, 30 inch row spacing

				_	MANUAL CLASSING				
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR	
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B
DP 341RF	3.73	1.46	44.0	87.0	7.00	5.75	2.78	58.4	11.5
DP 348RF	4.08	1.46	43.9	87.0	7.00	5.25	2.20	58.9	11.9
PHY 841RF	3.93	1.47	45.5	87.3	7.00	5.25	1.90	59.9	12.0
PHY 881RF	3.85	1.49	44.3	87.1	7.00	5.50	2.30	59.4	11.7
PHY 888RF	3.85	1.48	43.6	86.1	7.00	5.50	2.30	59.3	11.8
HA 1432	4.15	1.36	41.6	85.2	7.00	5.25	1.95	62.2	10.7
MEAN	3.93	1.45	43.82	86.62	7.00	5.42	2.24	59.68	11.60
LSD 0.05 <sup>a</sup>	0.26	0.02	2.3	0.9	NS	NS		2.1	0.3
LSD 0.10 <sup>a</sup>							0.46		
%CV <sup>b</sup>	4.40	1.10	3.4	0.7	-	10.80	16.70	2.3	1.8
P <sup>c</sup>	0.030	0.000	0.001	0.001	-	0.783	0.055	0.020	0.000

<sup>\*</sup> 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 a table top style 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)

2018 University of	of California	a PIMA CO	TTON VARI	ETY TRIALS				7-Feb-19	update			
Questions?			Cooperative F	Project by:								
contact: Bob Hutmacher (Univ. CA)			University of CA	Coop. Extension (	UC-ANR) / Univ. C	A Davis Plant S	Sci Dept. / Univ.	CA West Side F	REC			
Cell: (559) 260-8957				Cotton Growers&0								<u> </u>
email: rbhutmacher@ucc	davis.edu			nultiple growers, St							, TariLee Fr	igulti,
			SJV Quality Cott	on Growers Assoc	Shafter, Univ CA	Cooperative Ex	tension Tulare,	Kings, Fresno, I	Kern, Merced C	Counties		
Location: Stratford	/ Huron area	a - AZCAL Mg	gmt. /Sheely F	arms (Fresno/k	(ings County)							
clay loam soil, 40 inc					,,							
,												
					MANUAL							
					CLASSING							
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR				
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B			
DP 341RF	4.40	1.43	46.4	86.8	7.00	6.00	2.70	57.9	11.7			
DP 348RF	4.33	1.45	46.8	87.8	7.00	5.67	2.90	58.0	11.9			
PHY 841RF	4.60	1.44	45.3	86.6	7.00	6.00	2.93	58.9	11.7			
PHY 881RF	4.43	1.44	45.5	87.4	7.00	5.33	1.97	60.3	11.6			
PHY 888RF	4.53	1.45	44.9	86.8	7.00	5.33	2.70	58.7	11.9			
PHY 802RF	4.20	1.45	45.6	87.5	7.00	5.67	2.80	59.3	11.7			
MEAN	4.42	1.44	45.75	87.15	7.00	5.67	2.67	58.85	11.75			
LSD 0.05 <sup>a</sup>		NS	NS	NS	NS	NS		NS	NS			
LSD 0.10 <sup>a</sup>	0.22						0.53					
%CV <sup>b</sup>	3.30	1.00	3.5	0.7	-	10.20	13.30	2.5	1.8			
P <sup>c</sup>	0.077	0.280	0.712	0.133	-	0.574	0.065	0.388	0.385			
* NOTE: SAMPLES SUB	MITTED EOD L	VI ANAI VSES	wore congreted fr	om cood using a n	nini ain. This ainni	ng mothod diffe	re from LICCE r	nothods in prior	voore (mini gin	doos not h	avo commo	roial
NOTE. SAIVIFILS SUB				I for moisture loss/								
	with use of a ta	ble top style of	mini-gin. All sam	oles were handled	in an identical mar	nner in terms of	mini-gin operati	ons.				
a LSD = least significant			differences in me	an values shown th	nat differ by more t	han LSD value	shown are signi	ficantly different	)			
<ul><li>C.V. = coefficient of value</li><li>P = probability (if value)</li></ul>			arootor there a 05'	/ probability of -'-	wificant difference						-	

of Californi	a PIMA CO	TTON VARII	ETY TRIALS				7-Feb-19	update			
											$\bot$
	1								1		—
contact: Bob Hutmacher (Univ. CA)			•	· · · · · · · · · · · · · · · · · · ·		•					
Cell: (559) 260-8957									15		
email: rbhutmacher@ucdavis.edu											
		SJV Quality Coll	on Growers Assoc	Shaller, Univ CA	Cooperative Ex	dension rulare,	Kings, Fresho, r	terri, iviercea c	Journes		+
de Research a	and Extension	on Center (Free	sno County)								
ch row spacing	9										
											<del>                                     </del>
				MANUAL							
				CLASSING							
MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR				
NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B			
3.98	1.47	44.9	87.8	7.00	5.25	2.45	60.8	11.5			
3.73	1.42	43.5	87.6	7.00	5.75	3.18	58.9	12.0			
3.93	1.46	43.8	87.4	7.00	5.00	2.43	60.6	12.1			
3.60	1.48	42.4	87.1	7.00	5.25	2.68	60.0	11.7			
3.90	1.49	41.1	86.9	7.00	6.00	3.00	58.1	11.9			
3.78	1.38	39.3	86.0	7.00	5.00	2.18	64.2	10.6			
3.78	1.48	43.0	87.0	7.00	5.50	3.23	59.4	11.5			
3.70	1.46	43.0	87.8	7.00	5.50	3.50	59.6	11.6			
3.80	1.44	42.3	86.9	7.00	5.25	3.18	59.7	11.8			
3.80	1.45	42.6	87.2	7.00	5.39	2.87	60.1	11.6			
NS	0.03	2.2	NS	NS	NS	NS	2.4	0.4			
6.10	1.50	3.5	0.9	-	9.80	22.90	2.7	2.4			
0.425	0.000	0.004	0.129	-	0.142	0.106	0.001	0.000			
								asic gin ioss e	stimates ar	e typically id	wer
										+	+-
	eplications			nificant differences			,,				+
	micro- mi	MICRO- LENGTH NAIRE (in) 3.98 1.47 3.73 1.42 3.93 1.46 3.60 1.48 3.90 1.49 3.78 1.38 3.78 1.48 3.70 1.46 3.80 1.44 3.80 1.45 NS 0.03 6.10 1.50 0.425 0.000  BMITTED FOR HVI ANALYSES gin style cleaners). Correction with use of a table top style of	Cooperative P In (Univ. CA)  In (Univ. CA)  Cooperators: m SJV Quality Cott  Coth row spacing  MICRO- LENGTH STRENGTH NAIRE (in) (g/Tex) 3.98 1.47 44.9 3.73 1.42 43.5 3.93 1.46 43.8 3.60 1.48 42.4 3.90 1.49 41.1 3.78 1.38 39.3 3.78 1.48 43.0 3.70 1.46 43.0 3.70 1.46 43.0 3.70 1.46 43.0 3.80 1.44 42.3 3.80 1.44 42.3 3.80 1.44 42.3 3.80 1.45 42.6 NS 0.03 2.2 6.10 1.50 3.5 0.425 0.000 0.004  BMITTED FOR HVI ANALYSES were separated frequency of the strength of t	Funding by: CA Cotton Growers & Cooperators: multiple growers, Stream   SJV Quality Cotton Growers Associated   SJV Quality	Cooperative Project by:   University of CA Coop. Extension (UC-ANR) / Univ. CA   University of CA Coop. Extension (UC-ANR) / Univ. CA   Eunding by: CA Cotton Growers&Ginners Assoc., CA   Cooperators: multiple growers, Steve Wright, Dan M   SJV Quality Cotton Growers AssocShafter, Univ CA   SJV Quality Cotton Growers AssocShafter, Univ CA   CLASSING   MICRO- LENGTH STRENGTH UNIFORMITY LEAF   NAIRE (in) (g/Tex) INDEX GRADE   3.98	Cooperative Project by:   University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant S   Funding by: CA Cotton Growers&Ginners Assoc., CA Cotton Allianc davis.edu   Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Mar SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Center (Fresno County)   Ch row spacing   MANUAL   CLASSING   MICRO- LENGTH   STRENGTH   UNIFORMITY   LEAF   HVI   NAIRE   (in)   (g/Tex)   INDEX   GRADE   COLOR   3.98   1.47   44.9   87.8   7.00   5.25   3.73   1.42   43.5   87.6   7.00   5.75   3.93   1.46   43.8   87.4   7.00   5.00   3.60   1.48   42.4   87.1   7.00   5.25   3.90   1.49   41.1   86.9   7.00   6.00   3.78   1.38   39.3   86.0   7.00   5.50   3.78   1.48   43.0   87.0   7.00   5.50   3.70   1.46   43.0   87.8   7.00   5.50   3.80   1.44   42.3   86.9   7.00   5.50   3.80   1.44   42.3   86.9   7.00   5.25   3.80   1.45   42.6   87.2   7.00   5.39   NS   0.03   2.2   NS   NS   NS   NS   6.10   1.50   3.5   0.9   -   9.80   0.425   0.000   0.004   0.129   -   0.142   SMITTED FOR HVI ANALYSES were separated from seed using a mini-gin. This ginning method differ gin style cleaners). Corrections were calculated for moisture loss/gain between field harvest weight with use of a table top style of mini-gin. All samples were handled in an identical manner in terms of tridifference at 5% or 10% level (differences in mean values shown that differ by more than LSD value	Cooperative Project by:   University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. Cadavis.edu   Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lyr. SJV Quality Cotton Growers&Ginners Assoc., CA Cotton Alliance, UC-ANR/UCC davis.edu   Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lyr. SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare,   SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare,   Catalogue   C	Cooperative Project by:   Cooperative Project by:   Cooperative Project by:   Cooperative Project by:   University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side R     Funding by: CA Cotton Growers& Ginners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci Dept. / Univ. Lynn Sosnoskie, M     SJV Quality Cotton Growers Assoc. Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lynn Sosnoskie, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, M     MANUAL	Cooperative Project by:   Cooperative Project by:   Univ.CA  Univ.CA  Univ.CA  Univ. CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC     Funding by: CA Cotton Growers Assoc., CA Cotton Alliance, UC-ANRUCCE, UC Davis Plant Sci. Dept.     Cooperators: multiple growers. Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lynn Sosnoskie, Mark Keeley, R. SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced (Cooperative Extension Tulare, Kern, Merced (Cooperative Extension Tulare,	Cooperative Project by:   Cooperative Project by:   University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci. Dept. / Univ. CA West Side REC     Funding by: CA Cotton Growers& Ginners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.     Cooperators: multiple growers. Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Lyrn Sonoskie, Mark Keeley, Raul Delgade     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     SJV Quality Cotton Growers AssocShafter, Univ. CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties     MANUAL	Cooperative Project by: