2017 University of								5-Mar-18	update				
iber quality - hvi res	ults: Ginne	d at Shafter S	tation, analyze	d at the USDA-	AMS Classing (	Office, Visalia,	CA						
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Questions?		Cooperative F	Coop. Extension (l	IC AND / Hair C	A Davis Blant S	ni Dont / Univ.	CA West Side Di	-0	T		_		
contact: Bob Hutmacher (Univ. CA) Cell: (559) 260-8957				·							+		
email: rbhutmacher@ucdavis.edu		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, Mark Keeley, Raul Delgado, TariLee Frigulti,											
			SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties										
anations Units CA I	Woot Cide D	FC	Country										
ocation: Univ CA	west side R	EC - Fresno	County										
					MANUAL								
					CLASSING								
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR					
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B				
DP 348RF	4.18	1.40	43.3	86.4	7.00	5.25	2.65	60.8	11.9				
DP 358RF	4.03	1.39	44.2	86.5	7.00	5.00	2.63	61.2	11.7				
MON 16R330R2P	3.88	1.39	45.1	86.7	7.00	5.00	2.68	60.7	12.0				
MON 16R341R2P	4.08	1.39	45.0	85.8	7.00	5.00	2.55	60.3	11.9				
OA EXP. 16-84	4.18	1.38	45.4	86.9	7.00	5.00	2.78	61.4	11.9				
PHY 841RF	4.30	1.41	45.9	86.9	7.00	4.75	2.58	61.8	11.9				
PHY 881RF	4.35	1.43	43.2	87.1	7.00	4.75	2.40	61.6	12.2				
PHY 888RF	4.20	1.44	43.4	86.7	7.00	5.00	3.00	60.0	12.2				
HA 1432	4.28	1.34	37.2	85.1	7.00	5.00	2.85	62.5	11.0				
HA 690	3.95	1.34	36.7	85.5	7.00	4.75	2.70	64.2	10.7				
PHY 805RF	4.13	1.39	45.8	86.7	7.00	5.00	2.53	60.4	12.2				
PHY 802RF	3.90	1.43	44.8	87.2	7.00	5.00	2.83	61.5	11.8				
MEAN	4.12	1.39	43.3	86.5	7.00	4.96	2.68	61.4	11.8				
LSD 0.05	0.25	0.03	2.5	0.9	NS	NS	NS	1.7	0.3				
%CV	4.20	1.70	4.0	0.7		7.20	17.80	2.0	1.9				
P	0.01	0.00	0.0	0.0		0.78	0.91	0.0	0.0				
ı	0.01	0.00	0.0	0.0		0.70	0.01	0.0	0.0				
NOTE: SAMPLES SUB	MITTED FOR H	IVI ANALYSES	were separated fr	rom seed using a m	nini-gin. This ginni	ng method differ	s from UCCE m	nethods in prior y	ears (mini-gin	does not have co	ommercial gin sty	le cleane	
	Corrections we	ere calculated for	moisture loss/gai	in between field ha	rvest weight timing	and ginning tim							
LSD = least significant	difference at 59	amples were han	idled in an identica	al manner in terms	ot mini-gin operati	ons. nan LSD value s	hown are signifi	cantly different)					
C.V. = coefficient of va	riation across re	eplications			-			carity amerent)					
P = probability (if value	shown is 0.05	or less, there is	greater than a 959	% probability of sign	nificant differences	between mean	values shown)						

2017 University of								5-Mar-18 เ	ıpdate				
iber quality - hvi res	ults: Ginne	d at Shafter S	Station, analyze	d at the USDA-	AMS Classing (	Office, Visalia,	CA						
			0	):								_	
Questions? contact: Bob Hutmacher (Univ. CA)				Cooperative Project by: University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC									
	(Univ. CA)		•		· · · · · · · · · · · · · · · · · · ·								
Cell: (559) 260-8957	avic odu		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, Mark Keeley, Raul Delgado, TariLee Frigulti,  SJV Quality Cotton Growers AssocShafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties										
			COV Quality Cott	Cir Growere 7 lococe	Griantor, Griev Gri	Cooperative Ex	ionoion raiaro, i	Tungo, Froono, Fu	oni, moroda e			_	
_ocation: Riverdale	area (McKe	ean Farms) - I	Fresno County	y									
					MANUAL								
					CLASSING								
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR					
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B				
DP 348RF	4.38	1.47	46.6	88.6	7.00	6.00	3.03	58.5	11.4				
DP 358RF	4.10	1.43	41.4	87.7	7.00	6.50	3.85	57.2	11.3				
MON 16R330R2P	3.95	1.45	42.4	87.9	7.00	6.00	2.90	59.2	11.1				
MON 16R341R2P	4.30	1.45	43.0	87.3	7.00	6.75	3.20	55.8	11.3				
OA EXP. 16-48	4.28	1.46	43.5	87.7	7.00	6.00	3.18	58.7	11.3				
PHY 841RF	4.25	1.46	43.7	87.7	7.00	5.75	2.90	59.3	11.0				
PHY 881RF	4.38	1.48	41.9	87.6	7.00	6.25	2.85	58.3	11.3				
PHY 888RF	4.18	1.48	42.0	87.6	7.00	6.00	2.65	58.0	11.5				
MEAN	4.23	1.46	43.1	87.8	7.00	6.16	3.07	58.1	11.3				
LSD 0.05		NS	NS	NS	NS		NS	1.7					
LSD 0.10	0.24					0.54			0.3				
%CV	4.60	1.80	5.7	0.7		7.20	18.80	2.0	1.9				
Р	0.08	0.16	0.1	0.1		0.08	0.19	0.0	0.1				
NOTE: SAMPLES SUB												/le cleane	
	Corrections we	ere calculated for	moisture loss/ga	in between field ha al manner in terms	rvest weight timing	and ginning tim	ing, and basic o	gin loss estimates	are typically	lower with use of	<u>i</u>		
LSD = least significant	difference at 59	% or 10% level (	differences in mea	an values shown th	at differ by more th	ons. nan LSD value s	hown are signifi	cantly different)					
C.V. = coefficient of va	riation across re	eplications					-	, , , , , , , , , , , , , , , , , , , ,					
P = probability (if value	shown is 0.05	or less, there is	greater than a 959	% probability of sig	nificant differences	between mean	values shown)						

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ults: Ginne	d at Shafter S	Station, analyze	d at the USDA-	AMS Classing C	Office, Visalia,	CA					
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contact: Bob Hutmacher (Univ. CA)		•				· ·			-		+
Cell: (559) 260-8957 email: rbhutmacher@ucdavis.edu								•			+
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MICRO-	LENGTH	STRENGTH	UNIFORMITY		HVI	HVI	COLOR				1
							RD	+B			
1	` ` '		1				61.1	11.4			
4.00	1.43	43.0	86.9	7.00	4.75	2.63		10.9			
4.03	1.41	42.3	86.5	7.00	4.50	2.35	62.5	11.4			
4.25	1.44	41.8	86.7	7.00	5.50	2.78	60.4	11.2			
4.20	1.41	41.6	86.7	7.00	4.50	2.88	62.5	11.3			
4.55	1.43	42.9	87.2	7.00	5.00	2.50	62.3	11.3			
4.35	1.46	43.3	87.4	7.00	4.50	2.35	63.2	11.0			
4.10	1.47	41.7	87.1	7.00	5.25	2.88	60.4	11.5			
4.23	1.33	36.4	84.7	7.00	4.75	2.23	63.6	10.4			
3.95	1.38	36.2	86.0	6.75	4.25	1.80	65.8	10.3			
4.21	1.42	41.3	86.6	6.98	4.83	2.50	62.4	11.1			
0.35	0.04	3.2	1.3	NS	0.74		2.3	0.4			
						0.56					
5.7	2.0	5.4	1.1	2.3	10.6	18.7	2.5	2.4			
0.022	0.000	0.000	0.014	0.464	0.029	0.077	0.002	0.000			_
Corrections we	re calculated for	r moisture loss/gai	in between field ha	rvest weight timing	and ginning tim	s from UCCE m ing, and basic o	nethods in prior y gin loss estimate	years (mini-gin does not ha es are typically lower with u	ve commer se of	rcial gin style	cleane
						hown are signifi	cantly different)				
	Ults: Ginne  (Univ. CA)  avis.edu  BS area (Bown  MICRO- NAIRE  4.45  4.00  4.03  4.25  4.20  4.55  4.35  4.10  4.23  3.95  4.21  0.35  5.7  0.022  MITTED FOR H Corrections we mini-gin. All sed difference at 50 riation across for interesting across for	(Univ. CA)	Cooperative F	Cooperative Project by:   University of CA Coop. Extension (Name of State Project by:   University of CA Coop. Extension (Name of State Project by:   University of CA Coop. Extension (Name of State Project by:   University of CA Cotton Growers (Name of State Project by:   University of CA Cotton Growers (Name of State Project by:   University of CA Coop. Extension (Name of State Project by:   University of CA Coop. Extension (Name of State Project by:   University of CA Coop. Extension (Name of State Project by:   University of Capta   Univer	Cooperative Project by:	Cooperative Project by:	Cooperative Project by:	Cooperative   Cooperative	Cooperative Project by:   Cooperative Project by:   Univ. CA)   University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC   Funding by: CA Cotton Growers & Ginner A Seoc CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.   Avis.edu   Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Mark Keeley, Raul Delgado, TariLee Frigulti, 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   CLASSING   CLASSING	Univ. CA) University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC Funding by: CA Cotton Growers-Reliners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept. / Univ. CA West Side REC Funding by: CA Cotton Growers-Reliners Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept. / Sulviv. Mark Keeley, Raul Delgado, Taril.ee Friguiti, SJV Quality Cotton Growers, Slove Wright, Dan Munk, Brian Marsh, Bill Weir, Mark Keeley, Raul Delgado, Taril.ee Friguiti, SJV Quality Cotton Growers Assoc. Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties area (Bowles Farms) - Merced County    MANUAL	Univ. CA    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 Assoc., CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci Dept. / Univ. CA West Side REC   Funding by: CA Cotton Growers Assoc. Schaffer, Univ CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.   William   Cooperators: multiple growers. Steve Wright, Dan Munk, Brian Marsh, Billi Weir, Mark Keeley, Raul Deligado, TariLee Friguiti, SIV Quality Cotton Growers Assoc. Shaffer, Univ CA Cooperative Extension Tulare, Kings, Freeno, Kern, Merced Counties   SIV Quality Cotton Growers Assoc. Shaffer, Univ CA Cooperative Extension Tulare, Kings, Freeno, Kern, Merced Counties   MANUAL   CLASSING   MANUAL   CLASSING   CLASSING   CLASSING   MANUAL   CLASSING   MANUAL   CLASSING   MANUAL   CLASSING   MANUAL   CLASSING   MANUAL   CLASSING   MANUAL   MANUA

<b>2017 University of California PIMA COTTON VARIETY TRIALS</b> fiber quality - hvi results: Ginned at Shafter Station, analyzed at the USDA-AMS Classing (								5-Mar-18	update			
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ontact: Bob Hutmacher	(Univ. CA)		University of CA C				· ·					
Cell: (559) 260-8957			Funding by: CA (									
mail: rbhutmacher@ucda	avis.edu		Cooperators: mu									
			SJV Quality Cotto	n Growers Assoc.	-Sharter, Univ CA	Cooperative Ex	tension rulare,	Kings, Fresho, r	tern, ivierced C	ounties		
ocation: Corcoran	area (Hanse	en Ranches)	- Kings County	/								
					MANUAL							
					CLASSING							
	MICRO-	LENGTH	STRENGTH	LINIEODMITY	LEAF	HVI	HVI	COLOR				
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B			
		` '		+								
DP 348RF	4.35	1.39	42.1	86.5	7.00	6.75	4.33	54.5	11.2			
DP 358RF	4.75	1.41	41.0	86.7	7.00	7.00	4.55	51.9	11.4			
MON 16R330R2P	4.75	1.40	43.4	85.5	7.00	6.50	3.70	56.3	11.2			
MON 16R341R2P	4.68	1.42	43.3	86.8	7.00	6.75	4.45	55.0	11.0			
OA EXP. 16-48	4.75	1.39	42.1	86.5	7.00	7.00	4.65	54.7	11.0			
PHY 841RF	4.70	1.44	41.9	86.6	7.00	7.00	4.18	55.8	10.6			
PHY 881RF	4.50	1.43	42.6	86.8	7.00	6.73	4.56	56.5	10.6			
PHY 888RF	4.48	1.42	42.8	87.2	7.00	6.75	4.55	54.7	11.1			
MEAN	4.62	1.41	42.4	86.6	7.00	6.81	4.37	54.9	11.0			
LSD 0.05	0.24	NS	NS	NS	NS	NS	NS	NS	NS			
%CV	3.60	2.00	5.8	1.0		6.00	12.00	4.3	0.4			
Р	0.01	0.16	0.9	0.3		0.63	0.26	0.2	0.0			
NOTE: SAMPLES SUB	MITTED FOR H	IVI ANALYSES	were separated fro	m seed using a m	ini-ain. This ainni	na method diffe	rs from UCCE n	nethods in prior	vears (mini-ain	does not have	commercial gi	in style cleane
	Corrections we	re calculated for	moisture loss/gair	between field har	vest weight timing	and ginning tin						
			dled in an identica					d per 3				
LSD = least significant C.V. = coefficient of var			differences in meai	n values shown tha	at differ by more th	nan LSD value s	snown are signif	icantly different)				
P = probability (if value			greater than a 95%	probability of sign	ificant differences	between mean	values shown)					<del></del>

<b>2017 University of California PIMA COTTON VARIETY TRIALS</b> fiber quality - hvi results: Ginned at Shafter Station, analyzed at the USDA-AMS Classing (								5-Mar-18	update			
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uestions?		T	Cooperative P									4
ontact: Bob Hutmacher	(Univ. CA)		University of CA (		· · · · · · · · · · · · · · · · · · ·							_
Sell: (559) 260-8957				Cotton Growers&G								+
mail: rbhutmacher@ucd	avis.edu			ultiple growers, Ste				•				+
			SJV Quality Colle	n Growers Assoc.	-Sharter, Univ CA	Cooperative Ex	tension rulare,	Kings, Fresho, r	tern, ivierced Cou	inties		
ocation: Buttonwi	llow area (B	one Farm) - I	Kern County									
					MANUAL							+
					CLASSING							
	MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR				
VARIETY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B			
DP 348RF	4.35	1.44	46.6	87.7	7.00	5.25	2.03	60.6	11.4			
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MON 16R330R2P	4.10	1.44	45.5	87.4	7.00	5.25	2.70	60.7	11.2			
MON 16R341R2P	4.30	1.46	46.6	87.4	7.00	5.00	2.30	61.4	11.2			
OA EXP. 16-48	4.43	1.44	45.4	87.6	7.00	4.75	2.40	62.3	11.2			
PHY 841RF	4.58	1.48	44.6	87.5	6.50	4.75	1.60	62.7	11.2			
PHY 881RF	4.53	1.50	47.8	88.1	6.50	4.50	1.70	64.0	11.2			
PHY 888RF	4.33	1.50	44.7	88.4	7.00	5.75	2.33	60.6	11.2			
MEAN	4.34	1.46	45.8	87.8	6.88	5.03	2.16	61.8	11.2			
LSD 0.05	0.25	0.03	1.9	NS	NS	NS	0.42	2.0	NS			
%CV	3.9	1.5	2.8	0.7	5.7	11.0	13.2	2.2	2.1			
Р	0.006	0.001	0.030	0.314	0.263	0.108	0.000	0.012	0.820			
NOTE: SAMPLES SUB											mercial gin style	cleane
	Corrections we	re calculated for	moisture loss/gair	between field har	vest weight timing	and ginning tin	ning, and basic o	gin loss estimate	s are typically lov	ver with use of		
LSD = least significant			ndled in an identica				hown are signif	cantly different)				+
C.V. = coefficient of va			differences in filea	ii values silowii tiid	at differ by filote ti	an Lob value s	nown are signif	oantry different)				+
P = probability (if value	shown is 0.05	or less, there is	greater than a 95%	probability of sign	ificant differences	between mean	values shown)					