2021 University of Ca	alifornia - PIMA VA	RIETY TRIAL - Le	ngth averages ac	ross multiple sites		February 20, 2022 updat	9			
fiber quality (hvi data su	mmary) - from evalua	tions done at USDA Vi	salia Classing Office							
Questions?		Cooperative Project	by:							
contact: Bob Hutmacher (Univ.	. CA)	University of CA Coop. E	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	iation, CA Cotton Alliance, L	JC-ANR/UCCE, UC Davis P	lant Sci. Dept.				
email: rbhutmacher@ucdavis.e	du	Cooperators: multiple g	rowers, Dan Munk, Brian	Marsh, Jose Dias, Bill Weir,	Mark Keeley, Jorge Angele	es,				
		Tarilee Frigulti-Schramm	, Univ. CA ANR - Coopera	ative Extension Tulare, Kings	s, Fresno, Kern, Merced Co	unties;				
		San Joaquin Quality Cott	on Growers AssocShaft	er Research Station; Various	s Seed Companies					
Length values - 2021	trials									
-crigati valaco 2021	triais	D (1) 111	0	11	1 D	W O'. I. DEO	41/50405			
		Buttonwillow area	Corcoran area	Huron area	Los Banos	West Side REC	AVERAGE			
		KERN COUNTY	KINGS COUNTY	FRESNO COUNTY	MERCED COUNTY	FRESNO COUNTY	across all sites			
VARIETY	SEED COMPANY	Length (in)	Length (in)	Length (in)	Length (in)	Length (in)				
PHY 881 RF	Phytogen	1.46	1.49	1.47	1.48	1.51	1.48			
PHY 807 RF	Phytogen	1.43	1.47	1.46	1.42	1.43	1.44			
PHY 1180-A101 RF	Phytogen	1.44	1.48	1.50	1.47	1.45	1.47			
PHY 1180-A103 RF	Phytogen	1.45	1.49	1.49	1.48	1.48	1.48			
PHY 1180-A105 RF	Phytogen	1.47	1.49	1.51	1.51	1.47	1.49			
DP 347 RF	Bayer / DeltaPine	1.44	1.45	1.45	1.43	1.45	1.44			
DP 359 RF	Bayer / DeltaPine	1.43	1.48	1.44	1.41	1.42	1.44			
DP 20R022 R2P	Bayer / DeltaPine	1.43	1.44	1.44	1.42	1.46	1.44			
HA 1432 *	Gowan / Hazera					1.34				
MEAN		1.44	1.47	1.47	1.45	1.45	1.46			
LSD 0.05 ^a		NS	0.03	0.03	0.04	0.05				
LSD 0.10 ^a										
%CV ^b		1.5	1.4	1.6	2.0	2.3				
P ^c		0.142	0.027	0.001	0.000	0.000				
this variety was only grown	at the UC West Side REC	location - growers at oth	er sites only wanted to	include transgenic herbici	de resistant entries in the	trials				
, , , , ,		Ĭ	,	Ŭ						
NOTE: GINNING was done			om UCCE methods in yea	ars when the SJV Cotton Bo	ard trials were run (mini-gin	does not				
	in style cleaners and sample									
Corrections were calculated for						e mini-gin.				
All samples were handled in an LSD 0.05= least significant di						volue aboun are significant	v different)			
C.V. = coefficient of variation			· · · · · · · · · · · · · · · · · · ·		•		· · · · · · · · · · · · · · · · · · ·			
	· · · · · · · · · · · · · · · · · · ·			tical difference between entr between mean values show		at the LSD 0.05 level of sigi	illicance)			

				across multiple sites		February 20, 2022 updat	e				
iber quality (hvi data su	mmary) - from evalua	tions done at USDA Vi	salia Classing Office								
Questions?		Cooperative Project	1								
contact: Bob Hutmacher (Univ.	CA)			v. CA Davis Plant Sci Dept. /							
Cell: (559) 260-8957				iation, CA Cotton Alliance, L	· · · · · · · · · · · · · · · · · · ·	<u> </u>					
email: rbhutmacher@ucdavis.e	du		Cooperators: multiple growers, Dan Munk, Brian Marsh, Jose Dias, Bill Weir, Mark Keeley, Jorge Angeles,								
		Tarilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties; San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies									
		San Joaquin Quality Cott	on Growers AssocShaft	er Research Station; Various	s Seed Companies						
Strength values - 202	1 trials										
Strongth values 202	Tanaio	D (() (1)	0	11	1 D	W O' / . DEO	41/50405				
		Buttonwillow area	Corcoran area	Huron area	Los Banos	West Side REC	AVERAGE				
		KERN COUNTY	KINGS COUNTY	FRESNO COUNTY	MERCED COUNTY	FRESNO COUNTY	across all site				
VARIETY	SEED COMPANY	Strength (g/Tex)	Strength (g/Tex)	Strength (g/Tex)	Strength (g/Tex)	Strength (g/Tex)					
PHY 881 RF	Phytogen	46.0	46.7	47.6	47.2	47.6	47.0				
PHY 807 RF	Phytogen	48.0	49.0	48.6	48.7	49.0	48.7				
PHY 1180-A101 RF	Phytogen	46.4	45.5	49.2	49.0	45.3	47.1				
PHY 1180-A103 RF	Phytogen	48.1	44.6	47.9	48.5	46.3	47.1				
PHY 1180-A105 RF	Phytogen	46.8	44.8	48.1	47.3	47.3	46.9				
DP 347 RF	Bayer / DeltaPine	45.3	43.6	46.8	46.9	46.5	45.8				
DP 359 RF	Bayer / DeltaPine	45.2	45.7	47.2	47.8	45.5	46.3				
	•										
DP 20R022 R2P	Bayer / DeltaPine	48.2	45.8	47.9	49.9	48.7	48.1				
HA 1432 *	Gowan / Hazera					41.8					
MEAN		46.8	45.7	47.9	48.2	46.4	47.0				
LSD 0.05 ^a		1.9	2.7	NS	NS	2.7					
LSD 0.10 ^a											
%CV ^b		2.7	4.1	2.9	3.6	4.0					
P °		0.009	0.023	0.324	0.244	0.001					
this variety was only grown	at the UC West Side RFC	Clocation - growers at oth	er sites only wanted to	include transgenic herbici	de resistant entries in the	trials					
and railed had only grown		gremere at ear	or once only manieure	and a and germe menoral							
NOTE: GINNING was done	using a mini-gin. This simp	ble ginning method differs fr	om UCCE methods in yea	ars when the SJV Cotton Bo	ard trials were run (mini-gin	does not					
have commercial g	in style cleaners and sample	sizes are smaller).	·								
Corrections were calculated for	moisture loss/gain between	field harvest weight timing				e mini-gin.					
Il samples were handled in an											
LSD 0.05= least significant di			,		•	•					
C.V. = coefficient of variation P = probability (if value shows	· · · · · · · · · · · · · · · · · · ·			tical difference between entr	,	at the LSD 0.05 level of sigi	nificance)				

2021 University of Ca	alifornia - PIMA VA	RIETY TRIAL - Mi	cronaire average	s across multiple site	es	February 20, 2022 updat	е		
fiber quality (hvi data sui	mmary) - from evalua	tions done at USDA Vi	isalia Classing Office						
Questions?		Cooperative Project	by:						
contact: Bob Hutmacher (Univ.	CA)			. CA Davis Plant Sci Dept. /					
Cell: (559) 260-8957				ciation, CA Cotton Alliance, L	· · · · · · · · · · · · · · · · · · ·				
email: rbhutmacher@ucdavis.e	du	Cooperators: multiple growers, Dan Munk, Brian Marsh, Jose Dias, Bill Weir, Mark Keeley, Jorge Angeles,							
		Tarilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties; San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies							
		San Joaquin Quality Cott	ton Growers AssocShaft	er Research Station; Various	s Seed Companies				
Micronaire values - 20	 021 trials								
		Buttonwillow area	Corcoran area	Huron area	Los Banos	West Side REC	AVERAGE		
		KERN COUNTY	KINGS COUNTY	FRESNO COUNTY	MERCED COUNTY	FRESNO COUNTY	across all sites		
VARIETY	SEED COMPANY	Micronaire	Micronaire	Micronaire	Micronaire	Micronaire	337777 0 000		
VARILITI	CLED COIVII 7 II VI	Wildfortaile	Wildiand	Wildforfallo	Wildforfall C	Wildiano			
PHY 881 RF	Phytogen	4.60	4.19	4.50	4.45	4.10	4.37		
PHY 807 RF	Phytogen	4.37	4.45	4.45	4.58	4.28	4.43		
PHY 1180-A101 RF	Phytogen	4.65	4.15	4.30	4.33	3.80	4.25		
PHY 1180-A103 RF	Phytogen	4.45	4.18	4.25	4.33	4.03	4.25		
PHY 1180-A105 RF	Phytogen	4.30	4.18	4.38	4.55	4.10	4.30		
DP 347 RF	Bayer / DeltaPine	4.32	4.33	4.50	4.48	4.05	4.34		
DP 359 RF	Bayer / DeltaPine	4.40	4.45	4.45	4.48	4.15	4.39		
DP 20R022 R2P	Bayer / DeltaPine	4.48	4.23	4.40	4.23	4.38	4.34		
HA 1432 *	Gowan / Hazera					3.75			
MEAN		4.45	4.27	4.40	4.43	4.07	4.32		
LSD 0.05 ^a		0.2	NS	NS	NS	0.3			
LSD 0.10 ^a									
%CV b		3.3	4.1	3.7	5.5	4.7			
P ^c		0.030	0.102	0.327	0.455	0.002			
* this variety was only grown	at the UC West Side REC	Clocation - growers at oth	er sites only wanted to	include transgenic herbici	de resistant entries in the	trials			
* NOTE: GINNING was done			om UCCE methods in year	ars when the SJV Cotton Bo	ard trials were run (mini-gin	does not			
	in style cleaners and sample				minally laws 20 52				
Corrections were calculated for All samples were handled in an						e mını-gın.			
a LSD 0.05= least significant di						value shown are significantle	v different)		
b C.V. = coefficient of variation			,	tical difference between entr	•				
^c P = probability (if value showr	n is 0.05 or less, there is gre	ater than a 95% probability	of significant differences	between mean values show	n)		,		

2021 University of Ca	ilifornia - PIMA VA	RIETY TRIAL - Ur	niformity averages	s across multiple site	es	February 20, 2022 update	Э				
iber quality (hvi data su	mmary) - from evaluat	tions done at USDA Vi	salia Classing Office								
Questions?		Cooperative Project	by:								
ontact: Bob Hutmacher (Univ.	CA)	University of CA Coop. E	xtension (UC-ANR) / Univ	. CA Davis Plant Sci Dept. /	Univ. CA West Side REC						
Cell: (559) 260-8957				iation, CA Cotton Alliance, L	· · · · · · · · · · · · · · · · · · ·	<u>'</u>					
email: rbhutmacher@ucdavis.e	du	Cooperators: multiple growers, Dan Munk, Brian Marsh, Jose Dias, Bill Weir, Mark Keeley, Jorge Angeles,									
			Tarilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties;								
		San Joaquin Quality Cott	San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies								
Uniformity values - 20) 21 trials										
Jimorimty valado 20	DE I trialo	Desttance illane and a	0	11	Las Dansa	West Cids DEC	41/50405				
		Buttonwillow area	Corcoran area	Huron area	Los Banos	West Side REC	AVERAGE				
		KERN COUNTY	KINGS COUNTY	FRESNO COUNTY	MERCED COUNTY	FRESNO COUNTY	across all site				
VARIETY	SEED COMPANY	Uniformity Index (UI)	Uniformity Index (UI)	Uniformity Index (UI)	Uniformity Index (UI)	Uniformity Index (UI)					
PHY 881 RF	Phytogen	88.0	87.4	88.4	87.2	88.2	87.8				
PHY 807 RF	Phytogen	88.0	88.0	87.9	86.8	87.6	87.7				
PHY 1180-A101 RF	Phytogen	87.3	86.4	88.2	87.6	87.1	87.3				
PHY 1180-A103 RF	Phytogen	87.7	86.5	87.5	88.0	87.3	87.4				
PHY 1180-A105 RF	Phytogen	87.9	86.9	87.7	87.0	87.7	87.4				
DP 347 RF	Bayer / DeltaPine	87.9	87.9	87.6	87.4	87.6	87.7				
DP 359 RF	Bayer / DeltaPine	87.2	87.4	87.8	88.3	86.3	87.4				
DP 20R022 R2P	Bayer / DeltaPine	88.6	87.2	88.0	88.0	88.7	88.1				
HA 1432 *	Gowan / Hazera					85.7					
MEAN		87.8	87.2	87.9	87.5	87.4	87.6				
LSD 0.05 ^a		NS	1.1	NS	NS	1.2					
LSD 0.10 ^a											
%CV ^b		0.8	0.8	0.9	1.1	1.0					
P ^c		0.238	0.034	0.780	0.348	0.002					
this variety was only grown	at the UC West Side RFC										
and randly had only grown	and the state of t	g.onorout our	1. 1.100 U.L.y Walked to I								
NOTE: GINNING was done	using a mini-gin. This simp	le ginning method differs fr	om UCCE methods in yea	ars when the SJV Cotton Bo	ard trials were run (mini-gin	does not					
have commercial gi	n style cleaners and sample	sizes are smaller).	•								
Corrections were calculated for						e mini-gin.					
All samples were handled in an											
LSD 0.05= least significant di					•		· · · · · · · · · · · · · · · · · · ·				
C.V. = coefficient of variation P = probability (if value shown				ical difference between entr	,	at the LSD 0.05 level of sigr	nificance)				

2021 University of Ca	alifornia - PIMA VAI	RIETY TRIALS	S - Buttonw	/illow area - k	Kern County -	Bone Farms		February 21, 202	22 update			
ber quality (hvi data sur	mmary) - from evaluat	ions done at US	DA Visalia Cla	ssing Office								
uestions?			Cooperative Project by:									
ontact: Bob Hutmacher (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&Ginners Assoc, CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.										
ell: (559) 260-8957							·	t.				
mail: rbhutmacher@ucdavis.ed	du 					Veir, Mark Keeley, Jo		LIC Wast Cids DE	2 -4-44			
			Tarilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties; UC West Side REC staff San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies									
		San Soaquin Qua	Illy Cotton Grower	S ASSOCSharter IV	esearch Station, var	lous Seed Companie	55					
OCATION: Buttonwillo	⊔ w area - Kern County -	Bone Farms - 2	 2021									
						MANUAL						
						CLASSING						
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR			
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B		
VARALLI	OLLD COMITAIN	TWATEL	(111)	(g/TCX)	IIVDEX	OIVIDE	COLOR	110.011	ND	10		
PHY 881 RF	Phytogen	4.60	1.46	46.0	88.0	7.00	5.50	2.44	60.9	10.1		
PHY 807 RF	Phytogen	4.37	1.43	48.0	88.0	7.00	5.67	2.96	60.3	10.6		
PHY 1180-A101 RF	Phytogen	4.65	1.44	46.4	87.3	7.00	5.75	3.28	60.2	10.3		
PHY 1180-A103 RF	Phytogen	4.45	1.45	48.1	87.7	7.00	5.75	2.93	61.7	10.1		
PHY 1180-A105 RF	Phytogen	4.30	1.47	46.8	87.9	7.00	5.50	2.68	61.8	10.2		
DP 347 RF	Bayer / Deltapine	4.32	1.44	45.3	87.9	7.00	5.87	2.95	60.5	10.2		
DP 359 RF	Bayer / Deltapine	4.40	1.43	45.2	87.2	7.00	5.75	3.20	60.6	10.4		
DP 20R022 R2P	Bayer / Deltapine	4.48	1.43	48.2	88.6	7.00	5.75	3.33	60.8	9.9		
MEAN		4.45	1.44	46.8	87.8	7.00	5.69	2.97	60.9	10.2		
LSD 0.05 ^a		0.22	NS	1.9	NS	NS	NS		NS	0.3		
LSD 0.10 a								0.52				
%CV ^b		3.3	1.5	2.7	0.8		8.00	14.30	1.8	2.0		
P °		0.030	0.142	0.009	0.238		0.929	0.094	0.352	0.006		
NOTE: SAMPLES SUBMITTE												
	gin style cleaners). Correct with use of a table top style						g, and basic gin lo	ss estimates are typ	oically lower			
LSD 0.05= least significant dit							than LSD value sh	nown are significant	tlv different)			
C.V. = coefficient of variation			•			in this measured val						
P = probability (if value shown	n is 0.05 or less, there is grea	ater than a 95% prob	pability of significa	nt differences between	een mean values sh	own)						

2021 University of Ca	alifornia - PIMA VAI	RIETY TRIALS	S - Corcora	n area - King	s County - Ha	nsen Ranch		February 21, 202	22 update			
ber quality (hvi data sur	mmary) - from evaluat	ions done at US	DA Visalia Cla	ssing Office								
uestions?			Cooperative Project by:									
ontact: Bob Hutmacher (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&Ginners Assoc, CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.									
ell: (559) 260-8957							·	t.				
mail: rbhutmacher@ucdavis.ed	du 					Veir, Mark Keeley, Jo		LIC Woot Side DE	2 otoff			
			Farilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties; UC West Side REC staff San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies									
		Oan soaquin Qua	lity Cotton Grower	3 A3300Orianter N	escarcii Giation, vai	lous oceu companie						
OCATION: Corcoran ar	ea - Kings County - Ha	⊣ ansen Ranch - 2	2021									
						MANUAL						
						CLASSING						
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR			
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B		
V/ ((())	CLLD COMITAIN	TOUTE	(111)	(9/10/)	II VIDEX	OTOTOL	COLOIT	110.011	ND			
PHY 881 RF	Phytogen	4.19	1.49	46.7	87.4	6.75	4.30	1.86	64.7	10.7		
PHY 807 RF	Phytogen	4.45	1.47	49.0	88.0	6.75	4.75	1.88	63.5	10.8		
PHY 1180-A101 RF	Phytogen	4.15	1.48	45.5	86.4	6.25	4.25	1.40	64.7	11.0		
PHY 1180-A103 RF	Phytogen	4.18	1.49	44.6	86.5	5.75	4.00	1.25	64.6	10.9		
PHY 1180-A105 RF	Phytogen	4.18	1.49	44.8	86.9	6.50	4.25	1.63	64.5	11.1		
DP 347 RF	Bayer / Deltapine	4.33	1.45	43.6	87.9	6.50	4.50	1.60	64.0	10.9		
DP 359 RF	Bayer / Deltapine	4.45	1.48	45.7	87.4	7.00	4.50	1.73	64.3	10.9		
DP 20R022 R2P	Bayer / Deltapine	4.23	1.44	45.8	87.2	6.50	4.50	1.53	64.4	10.4		
MEAN		4.27	1.47	45.7	87.2	6.50	4.38	1.61	64.3	10.8		
LSD 0.05 ^a		NS	0.03	2.7	1.1	NS	NS	NS	NS	0.3		
LSD 0.10 a												
%CV ^b		4.1	1.4	4.1	0.8	10.30	11.70	23.60	1.9	2.0		
P °		0.102	0.027	0.023	0.034	0.314	0.598	0.299	0.849	0.012		
NOTE: SAMPLES SUBMITTE												
	gin style cleaners). Correct with use of a table top style						g, and basic gin lo	ss estimates are typ	oically lower			
LSD 0.05= least significant dit							than LSD value sh	nown are significan	tly different)			
C.V. = coefficient of variation	across replications		NS = no significa	nt statistical differe	nce between entries	in this measured val						
P = probability (if value shown	n is 0.05 or less, there is great	ater than a 95% prol	pability of significa	nt differences between	een mean values sh	own)						

2021 University of Ca	alifornia - PIMA VA	RIETY TRIAL	S - Huron a	rea - Fresno	County - Shee	ely / AZCAL		February 21, 20	22 update	
iber quality (hvi data su	ımmary) - from evaluat	ions done at US	DA Visalia Cla	ssing Office						
Questions?		Cooperative P						T		
contact: Bob Hutmacher (Univ	r. CA)	-		•	A Davis Plant Sci De					
Cell: (559) 260-8957					Cotton Alliance, UC-			ot.		
email: rbhutmacher@ucdavis.e	edu 				sh, Jose Dias, Bill W				0 . "	
					Extension Tulare, K	0 , ,		; UC West Side RE	C staff	
		San Joaquin Qua	lity Cotton Grower	s AssocShaller R	esearch Station; Vari	ous Seed Companie	2 S			
OCATION: Huron area	- Fresno County - She	ely / AZCAL - 20)21							
						MANUAL				
						CLASSING				
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR	
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B
PHY 881 RF	Phytogen	4.50	1.47	47.6	88.4	6.25	3.00	1.73	67.9	10.9
PHY 807 RF	Phytogen	4.45	1.46	48.6	87.9	7.00	3.75	2.00	66.0	11.0
PHY 1180-A101 RF	Phytogen	4.30	1.50	49.2	88.2	7.00	3.50	2.10	66.5	11.2
PHY 1180-A103 RF	Phytogen	4.25	1.49	47.9	87.5	7.00	4.25	2.65	64.3	11.2
PHY 1180-A105 RF	Phytogen	4.38	1.51	48.1	87.7	7.00	4.25	2.40	65.0	10.9
DP 347 RF	Bayer / Deltapine	4.50	1.45	46.8	87.6	7.00	3.75	2.15	65.7	11.2
DP 359 RF	Bayer / Deltapine	4.45	1.44	47.2	87.8	6.75	3.75	1.78	65.9	11.1
DP 20R022 R2P	Bayer / Deltapine	4.40	1.44	47.9	88.0	7.00	3.99	2.52	65.2	10.7
MEAN		4.40	1.47	47.9	87.9	6.88	3.78	2.17	65.8	11.0
LSD 0.05 ^a		NS	0.03	NS	NS	NS	NS	0.60		0.3
LSD 0.10 ^a									1.8	
%CV b		3.7	1.6	2.9	0.9	5.90	20.20	18.80	2.3	1.8
P °		0.327	0.001	0.324	0.780	0.152	0.372	0.042	0.100	0.029
NOTE: SAMPLES SUBMITT	ED FOR HVI ANALYSES WE	ere separated from s	seed using a mini-	gin. This ginning m	nethod differs from U	CCE methods used	prior to 2017 (mir	ni-gin does not have	commercial	
	gin style cleaners). Correct with use of a table top style						j, and basic gin lo	oss estimates are ty	pically lower	
LSD 0.05= least significant d						• •	than LSD value s	shown are significan	tly different)	
C.V. = coefficient of variation	across replications		NS = no significa	nt statistical differe	nce between entries	in this measured val	ue (at the LSD 0.	05 level of significa	nce	
P = probability (if value show	n is 0.05 or less, there is great	ater than a 95% pro	bability of significa	nt differences betw	een mean values sho	own)				

2021 University of Ca					To County -	West Side INL	.0	February 21, 202	zz upuat e	
per quality (nvi aata su	mmary) - from evaluati	ons aone at USI	JA Visalia Cias	sing Office						
unations?		Cooperative P	roject by:							
uestions? ontact: Bob Hutmacher (Univ.	CA)			IIC-ANR\ / I Iniv. C	A Davis Plant Sci De	ept. / Univ. CA West	Side REC			
ell: (559) 260-8957	. OA)					-ANR/UCCE, UC Da		ent		
mail: rbhutmacher@ucdavis.e	edu					Weir, Mark Keeley, J		,		
		Tarilee Frigulti-So	chramm, Univ. CA	ANR - Cooperative	Extension Tulare,	Kings, Fresno, Kern,	Merced Countie	s; UC West Side RE	C staff	
		San Joaquin Qua	lity Cotton Grower	rs AssocShafter R	esearch Station; Va	rious Seed Compan	ies			
OCATION: Five Points	area - Fresno County -	University of CA	A West Side RI	EC - 2021						
						MANUAL				
						CLASSING				
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR	
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B
	0222 00 7		()	(g, 1077)		0.0.02	0020.1			
PHY 881 RF	Phytogen	4.10	1.51	47.6	88.2	7.00	5.00	2.80	61.1	12.0
PHY 807 RF	Phytogen	4.28	1.43	49.0	87.6	7.00	4.50	2.60	62.3	12.0
PHY 1180-A101 RF	Phytogen	3.80	1.45	45.3	87.1	7.00	4.50	2.33	61.7	12.7
PHY 1180-A103 RF	Phytogen	4.03	1.48	46.3	87.3	7.00	4.25	2.65	62.3	12.2
PHY 1180-A105 RF	Phytogen	4.10	1.47	47.3	87.7	7.00	4.50	2.63	62.2	12.1
DP 347 RF	Bayer / Deltapine	4.05	1.45	46.5	87.6	7.00	5.00	2.93	60.6	12.3
DP 359 RF	Bayer / Deltapine	4.15	1.42	45.5	86.3	7.00	4.75	2.45	60.9	12.0
DP 20R022 R2P	Bayer / Deltapine	4.38	1.46	48.7	88.7	7.00	5.00	2.85	61.5	11.7
HA 1432	Gowan / Hazera	3.75	1.34	41.8	85.7	7.00	4.00	2.10	64.7	11.2
MEAN	COWAIT/ HAZOIA	4.07	1.45	46.4	87.4	7.00	4.61	2.59	61.9	12.0
LSD 0.05 ^a		0.28	0.05	2.7	1.2	NS	1.01	NS	1.7	0.5
LSD 0.10 a		0.20	0.00	2.7	1.2	140	0.58	110	1.7	0.0
%CV ^b		4.7	2.3	4.0	1.0		10.40	15.80	1.8	2.6
P ^c		0.002	0.000	0.001	0.002		0.063	0.157	0.002	0.000
Г		0.002	0.000	0.001	0.002		0.003	0.107	0.002	0.000
NOTE: SAMPLES SUBMITTI	LED FOR HVI ANALYSES wer	e separated from se	l ed using a mini-ai	 n. This ginning me	thod differs from UC	CCE methods used n	rior to 2017 (min	i-gin does not have	commercial	
	gin style cleaners). Correcti	ons were calculated	for moisture loss/	gain between field	harvest weight timin	ng and ginning timing				
100.005 1 1 27 - 27	with use of a table top style of					•	th 1 OD - 1		d - 277	
		u=ieast significant o	1	•		•				
LSD 0.05= least significant di C.V. = coefficient of variation P = probability (if value shown	across replications		NS = no significa	nt statistical differe	nce between entries	s in this measured va				

iber quality (hvi data sur	mmary) - from evaluat	ions done at US	SDA Visalia Cla	ssing Office								
Questions?		Cooperative Project by:										
ontact: 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					ANR/UCCE, UC Da							
mail: rbhutmacher@ucdavis.ed	du					/eir, Mark Keeley, Jo	· · · · · · · · · · · · · · · · · · ·		2 . "			
			Farilee Frigulti-Schramm, Univ. CA ANR - Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties; UC West Side REC staff San Joaquin Quality Cotton Growers AssocShafter Research Station; Various Seed Companies									
		San Joaquin Qua	lilly Collon Grower	S ASSOCSharter Ri	esearch Station, var	ious Seed Companie	25					
OCATION: Los Banos a	area - Merced County -	Bowles Farms	- 2021									
OOATION. LOS Ballos E	irea - Mercea County -	Dowles Failis	- 2021									
						MANUAL						
						CLASSING						
		MICRO-	LENGTH	STRENGTH	UNIFORMITY	LEAF	HVI	HVI	COLOR			
\/ADIETV	CEED COMPANY											
VARIETY	SEED COMPANY	NAIRE	(in)	(g/Tex)	INDEX	GRADE	COLOR	TRASH	RD	+B		
PHY 881 RF	Phytogen	4.45	1.48	47.2	87.2	6.25	4.25	2.28	64.5	11.2		
PHY 807 RF	Phytogen	4.58	1.42	48.7	86.8	7.00	4.75	3.03	62.8	11.3		
PHY 1180-A101 RF	Phytogen	4.33	1.47	49.0	87.6	7.00	4.50	2.53	64.0	11.1		
PHY 1180-A103 RF	Phytogen	4.33	1.48	48.5	88.0	7.00	5.00	2.98	61.9	11.4		
PHY 1180-A105 RF	Phytogen	4.55	1.51	47.3	87.0	7.00	4.25	2.30	63.8	11.2		
DP 347 RF	Bayer / Deltapine	4.48	1.43	46.9	87.4	6.50	4.00	2.28	64.4	11.5		
DP 359 RF	Bayer / Deltapine	4.48	1.41	47.8	88.3	7.00	5.00	2.65	63.1	11.1		
DP 20R022 R2P	Bayer / Deltapine	4.23	1.42	49.9	88.0	7.00	4.75	2.75	63.9	10.8		
MEAN		4.43	1.45	48.2	87.5	6.84	4.56	2.60	63.6	11.2		
LSD 0.05 ^a		NS	0.04	NS	NS			NS				
LSD 0.10 ^a		-			-	0.49	0.63	-	1.4	0.4		
%CV b		5.5	2.0	3.6	1.1	5.90	11.30	18.80	1.8	2.6		
P ^c		0.455	0.000	0.244	0.348	0.080	0.094	0.200	0.054	0.058		
NOTE: SAMPLES SUBMITTE												
	gin style cleaners). Correct with use of a table top style						g, and basic gin los	ss estimates are typ	pically lower			
LSD 0.05= least significant dit							than LSD value sh	nown are significant	tly different)			
C.V. = coefficient of variation		_	1			in this measured val						