2020 - University of Cal	ifornia - PIMA COTTON	VARIETY TRIAL	_S				February 6, 2021 update			
Seed cotton yields, mini-	gin calculated lint percent a	and gin turnout,	calculated lint	yield average	es					
Questions?		Cooperative P								
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, 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 Qua	ality Cotton Grow	vers AssocShaf	ter Research Station; Various See	d Companies				
OCATION: BONE FAR	│ RMS - Buttonwillow area	ı - Kern Count	v			HARVEST DATE:	10/30/2020			
ow spacing:	38 inches		,							
PLANTING DATE:	4/21/2020				LINT YIELD*					
		SEED		Mini-Gin	(calculated as seed cotton yield	LINT YIELD	SEEDCOTTON YIELD			
		COTTON	Mini-Gin	GIN	times mini-gin turnout)	(calculated as a % of	(calculated as a % of			
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-881 RF Yield) ^d	Phy-881 RF Yield) ^d			
PHY 881 RF	Phytogen	4227	42.1	40.4	1705	100	100			
PX 854207 RF	Phytogen	4683	43.5	42	1967	115	111			
PX 852901 RF	Phytogen	4173	42.2	40.5	1691	99	99			
DP 341 RF	Bayer / DPL	4323	41.0	39.5	1708	100	102			
DP 359 RF	Bayer / DPL	4287	43.2	41.4	1777	104	101			
DP 347 RF	Bayer / DPL	4088	44.4	42.5	1738	102	97			
MEAN		4297	42.7	41.1	1764					
LSD 0.05 ^a		NS	1.2	1.3	NS					
%CV ^b		6.9	1.9	2.0	8.1					
P ^c		0.148	0.000	0.001	0.122					
NOTE: LINT YIELD VALUE	S shown were calculated using	a mini-gin. This sin	nole ainnina met	hod differs from	UCCE methods in years when the	S.IV Cotton Board trials	were run (mini-ain does not			
	have commercial gin style cle					Donat Halo	311 4000 1100			
	Corrections were calculated for	or moisture loss/gai	in between field I	harvest weight tir	ming and ginning timing, and basic					
100.005	mini-gin. All samples were ha	andled in an identica	al manner in tern	ns of mini-gin op	erations, so gin turnout and lint per	rcent numbers represen	t relative variety differences.			
C.V. = coefficient of variatio					es in mean values shown that diffe erence between entries in this mea					
	wn is 0.05 or less, there is great					soured value (at tile LSL	0.05 level of significance)			
					in the San Joaquin Valley in 2020					

2020 - University of California - PIMA COTTON VARIETY TRIALS							February 6, 2021 update	э			
eed cotton yields, mini-	gin calculated lint percent a	and gin turnout,	calculated lint	yield average	S						
uestions?		Cooperative F	Project by:								
ontact: Bob Hutmacher (Un	iv CA)			(LIC-ANR) / Linix	v. CA Davis Plant Sci Dept. / Univ.	CA West Side RFC					
ell: (559) 260-8957		•	•	` '	, CA Cotton Alliance, UC-ANR/UC		. Dept.				
email: rbhutmacher@ucdavis.edu		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 Qu	ality Cotton Grow	ers AssocShaft	ter Research Station; Various See	d Companies					
OCATION: BOWLES	FARMS - Dos Palos / Lo	s Banos area ·	- Merced Cou	ınty		HARVEST DATE:	11/13/2020				
ow spacing:	30 inches										
LANTING DATE:	4/18/2020				LINT YIELD*						
		SEED		Mini-Gin	(calculated as seed cotton yield	LINT YIELD	SEEDCOTTON YIE	LD			
		COTTON	Mini-Gin	GIN	times mini-gin turnout)	(calculated as a % of	(calculated as a % of				
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-881 RF Yield) d	Phy-881 RF Yield) ^d				
PHY 881 RF	Phytogen	3073	40.8	39	1200	100	100				
PX 854207 RF	Phytogen	3402	42.2	40.7	1383	115	111				
PX 852901 RF	Phytogen	3134	41.9	40.2	1259	105	102				
DP 341 RF	Bayer / DPL	3566	41.1	39.5	1410	118	116				
DP 359 RF	Bayer / DPL	2832	42.9	40.5	1144	95	92				
DP 347 RF	Bayer / DPL	3134	45.4	43.6	1368	114	102				
MEAN		3190	42.4	40.6	1294						
LSD 0.05 ^a		420	0.8	1.0	169						
%CV ^b		8.7	1.3	1.6	8.7						
P ^c		0.028	0.000	0.000	0.021						
NOTE: LINT YIELD VALUE	S shown were calculated using	a mini-gin. This si	mple ginning me	thod differs from	UCCE methods in years when the	SJV Cotton Board trials	s were run (mini-gin does i	not			
	have commercial gin style cle	aners and sample	sizes are smaller).							
					ning and ginning timing, and basic						
I SD 0.05- locat significant					erations, so gin turnout and lint pe is in mean values shown that diffe						
C.V. = coefficient of variation					erence between entries in this mea						
	wn is 0.05 or less, there is great					Louisa raido (de tilo Loc	2.55 10 to 101 or organioano				

2020 - University of California - PIMA COTTON VARIETY TRIALS							February 6, 2021 update)		
eed cotton yields, min	i-gin calculated lint percent a	and gin turnout,	calculated lint	yield average	S					
uestions?		Cooperative F	Project by:							
ontact: Bob Hutmacher (Ur	niv. CA)			(UC-ANR) / Uni	v. CA Davis Plant Sci Dept. / Univ.	CA West Side RFC				
ell: (559) 260-8957		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.								
email: rbhutmacher@ucdavis.edu		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 Qu	ality Cotton Grow	ers AssocShaft	ter Research Station; Various See	d Companies				
OCATION: HANSEN	RANCHES - Corcoran are	ea - Kings Cou	ınty			HARVEST DATE:	11/19/2020			
ow spacing:	30 inches									
LANTING DATE:	4/22/2020				LINT YIELD*					
		SEED		Mini-Gin	(calculated as seed cotton yield	LINT YIELD	SEEDCOTTON YIE	_D		
		COTTON	Mini-Gin	GIN	times mini-gin turnout)	(calculated as a % of	(calculated as a % of			
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-881 RF Yield) d	Phy-881 RF Yield) ^d			
PHY 881 RF	Phytogen	5996	42.2	40.1	2404	100	100			
PX 854207 RF	Phytogen	6106	42.5	40.1	2449	102	102			
PX 852901 RF	Phytogen	6245	41.4	39.1	2442	102	104			
DP 341 RF	Bayer / DPL	5641	41.7	39.6	2232	93	94			
DP 359 RF	Bayer / DPL	6275	41.9	39.7	2491	104	105			
DP 347 RF	Bayer / DPL	5745	44.2	41.8	2403	100	96			
MEAN		6001	42.3	40.1	2404					
LSD 0.05 ^a		263	1.0	1.0	129					
%CV ^b		2.9	1.6	1.6	3.6					
P °		0.000	0.001	0.001	0.011					
NOTE: LINT YIELD VALU	JES shown were calculated using	a mini-gin. This si	mple ginning me	thod differs from	UCCE methods in years when the	SJV Cotton Board trials	s were run (mini-gin does i	not		
	have commercial gin style cle	aners and sample	sizes are smaller).						
					ning and ginning timing, and basic					
I SD 0 05= least significan					erations, so gin turnout and lint pe is in mean values shown that diffe					
C.V. = coefficient of variati					erence between entries in this mea					
	own is 0.05 or less, there is great					,				

	alifornia - PIMA COTTON						February 6, 2021 updat	е
eed cotton yields, min	i-gin calculated lint percent	and gin turnout,	calculated lint	yield average	S			
uestions?		Cooperative F						
ontact: Bob Hutmacher (U	niv. CA)		•	,	v. CA Davis Plant Sci Dept. / Univ		Б	
ell: (559) 260-8957	in a dec				, CA Cotton Alliance, UC-ANR/UC		•	
mail: rbhutmacher@ucdavi	s.eau				Marsh, Jose Dias, Bill Weir, Mar ative Extension Tulare, Kings, Fre			
				•	ter Research Station; Various See		11103,	
		Jan Joaquii Qu		5.67.65551 5 .1a		a companies		
OCATION: SHEELY	FARMS - AZCAL RANCH -	Huron area - F	resno County	/		HARVEST DATE:	11/4/2020	
ow spacing:	40 inches							
LANTING DATE:	4/17/2020				LINT YIELD*			
		SEED		Mini-Gin	(calculated as seed cotton yield	LINT YIELD	SEEDCOTTON YIE	LD
		COTTON	Mini-Gin	GIN	times mini-gin turnout)	(calculated as a % of	(calculated as a % of	
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-881 RF Yield) d	Phy-881 RF Yield) ^d	
PHY 881 RF	Phytogen	4914	43.1	41.3	2029	100	100	
PX 854207 RF	Phytogen	5334	43.2	41.4	2207	109	109	
PX 852901 RF	Phytogen	5430	43.4	41.4	2244	111	111	
DP 341 RF	Bayer / DPL	4736	42.7	40.5	1917	94	96	
DP 359 RF	Bayer / DPL	5233	42.9	41.0	2146	106	106	
DP 347 RF	Bayer / DPL	5048	45.8	43.7	2206	109	103	
MEAN	-	5116	43.5	41.6	2125			
LSD 0.05 ^a		414	0.9	0.8	171			
%CV ^b		5.3	1.3	1.3	5.4			
P ^c		0.023	0.000	0.000	0.007			
NATE LINE VIELD VIELD				1 1 120	11005 # 1 1 : : : : : : : : : : : : : : : : :	0.11/0.11		
NOTE: LINT YIELD VALU	have commercial gin style cle				UCCE methods in years when the	SJV Cotton Board trials	s were run (mını-gın does	not
					ning and ginning timing, and basic	gin loss estimates are	typically lower with use of	
	mini-gin. All samples were ha	andled in an identic	al manner in tern	ns of mini-gin ope	erations, so gin turnout and lint pe	rcent numbers represen	t relative variety differenc	
					es in mean values shown that diffe			
C.V. = coefficient of variati	ion across replications own is 0.05 or less, there is great				erence between entries in this mea	asured value (at the LSI	0.05 level of significance)

	lifornia - PIMA COTTON \						February 6, 2021 update	э
Seed cotton yields, mini-	gin calculated lint percent a	nd gin turnout,	calculated lint	yield average	S			
uestions?	OA)	Cooperative F		(LIC AND) / LI-5	OA Davis Blant Oct Bant / Hair	04 W+ 01-1- DE0		
ontact: Bob Hutmacher (Un	IV. CA)	•	•	•	 CA Davis Plant Sci Dept. / Univ CA Cotton Alliance, UC-ANR/UC 		Dont	
Cell: (559) 260-8957 mail: rbhutmacher@ucdavis	odu				Marsh, Jose Dias, Bill Weir, Mar		· ·	
maii. Ibriutinacriei @ ucuavis	edu				ative Extension Tulare, Kings, Fre			
		_			er Research Station; Various See			
					,	,		
OCATION: WEST SIE	DE REC - Five Points area	Fresno Cour	nty			HARVEST DATE:	10/30/2020	
ow spacing:	40 inches							
PLANTING DATE:	4/20/2020				LINT YIELD*			
		SEED		Mini-Gin	(calculated as seed cotton yield	LINT YIELD	SEEDCOTTON YIE	LD
		COTTON	Mini-Gin	GIN	times mini-gin turnout)	(calculated as a % of	(calculated as a % of	
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-881 RF Yield) d	Phy-881 RF Yield) ^d	
PHY 881 RF	Phytogen	4168	44.8	41.8	1742	100	100	
PX 854207 RF	Phytogen	4403	45.5	42.2	1858	107	106	
PX 852901 RF	Phytogen	3781	44	41.5	1570	90	91	
DP 341 RF	Bayer / DPL	4400	42.9	40.3	1773	102	106	
DP 359 RF	Bayer / DPL	3878	44.0	41.4	1607	92	93	
DP 347 RF	Bayer / DPL	4071	47.0	44.4	1807	104	98	
HA 1432	Gowan / Hazera	5308	39.9	37.4	1988	114	127	
MEAN		4287	44.0	41.3	1764			
LSD 0.05 ^a		374	0.8	1.2	165			
%CV ^b		5.9	1.3	1.9	6.3			
P °		0.000	0.000	0.000	0.001			
NOTE: LINE VIELD VALUE	C abour ware calculated water	mini dia This -	mala ainaisa sa	bod differe free-	LICCE mothodo in vicera vile in the	S IV Cotton Deand total	Juana run (mini nin da	n o t
NOTE: LINT YIELD VALUE	have commercial gin style clea				UCCE methods in years when the	SJV Cotton Board trials	s were run (mini-gin does i	101
	Corrections were calculated fo	r moisture loss/ga	in between field h	narvest weight tin	ning and ginning timing, and basic			
	mini-gin. All samples were har	ndled in an identic	al manner in term	ns of mini-gin ope	erations, so gin turnout and lint pe	rcent numbers represen	t relative variety difference	
-					s in mean values shown that diffe			
C.V. = coefficient of variation					erence between entries in this meantween mean values shown)	asured value (at the LSD	0.05 level of significance	:)