

2020 - University of California - UPLAND VARIETY TRIAL and NATIONAL STANDARDS TRIAL entries							February 6, 2021 update			
Seed cotton yields, mini-gin calculated lint percent and gin turnout, calculated lint yield averages										
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: Cotton Incorporated State Support Committee, CA Cotton Growers&Ginners Assoc.,								
e-mail: rbhutmacher@ucdavis.edu		CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.								
		Cooperators: Rafael Solorio and UC West Side REC staff, 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 Assoc.-Shafter Research Station; Various Seed Companies								
LOCATION: WEST SIDE REC - Five Points area - Fresno County						HARVEST DATE: 10/26/2020				
row spacing:	40 inches									
PLANTING DATE:	4/24/2020					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-764 WRF Yield) ^d	Phy-764 WRF Yield) ^d			
PHY 764WRF	Phytogen	4716	45.9	44.8	2115	100	100			
PHY 350 W3FE	Phytogen	5630	46.5	45.4	2558	121	119			
PHY 400 W3FE	Phytogen	5356	48.9	48.1	2581	122	114			
PHY 580 W3FE	Phytogen	4848	49.7	48.9	2371	112	103			
FM 1621 GL	BASF / Fibermax	4566	49.9	49.1	2240	106	97			
FM 2202 GL	BASF / Fibermax	4360	50.3	48.3	2104	99	92			
ST 4550 GLTP	BASF / Stoneville	5173	50.5	48.8	2525	119	110			
ST 4990 B3XF	BASF / Stoneville	5023	45.4	44.2	2221	105	107			
ST 5707 B2XF	BASF / Stoneville	5220	43.2	42.7	2226	105	111			
DP 2044 B3XF	Bayer / Deltapine	5217	47.2	46	2401	114	111			
DG 3555 B3XF	Dyna-Gro	5529	46.2	44.8	2476	117	117			
DG 3402 B3XF	Dyna-Gro	5641	46.1	45	2538	120	120			
DG 3421 B3XF	Dyna-Gro	4628	47.4	46.3	2142	101	98			
DG 3615 B3XF	Dyna-Gro	5198	47.3	46.2	2563	121	110			
DG H959 B3XF	Dyna-Gro	4581	44.6	43.5	1994	94	97			
DP 1646 B2XF	Bayer / Deltapine	4868	49.4	48.3	2348	111	103			
DP 1840 B3XF	Bayer / Deltapine	3932	46.6	45.2	1778	84	83			
DP 1845 B3XF	Bayer / Deltapine	4868	49.6	48.7	2370	112	103			
DP 2012 B3XF	Bayer / Deltapine	5232	46.8	45.8	2394	113	111			
DG 3520 B3XF	Dyna-Gro	4596	45.4	44.2	2034	96	97			
FM 1830 GLT	BASF / Fibermax	4775	48.2	46.8	2235	106	101			
NG 4936 B3XF	Americot	4678	46.0	45.0	2107	100	99			
MEAN		4938	47.3	46.2	2287					
LSD 0.05 ^a		388	1.2	1.3	183					
%CV ^b		4.8	1.5	1.8	4.9					
P ^c		0.000	0.000	0.000	0.000					
* NOTE: LINT YIELD VALUES shown were calculated using a mini-gin. This simple ginning method differs from UCCE methods in years when the SJV Cotton Board trials were run (mini-gin does not have commercial gin style cleaners and sample sizes are smaller).										
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 mini-gin. All samples were handled in an identical manner in terms of mini-gin operations, so gin turnout and lint percent numbers represent relative variety differences.										
a 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)										
b C.V. = coefficient of variation across replications NS = no significant statistical difference between entries in this measured value (at the LSD 0.05 level of significance)										
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)										

2020 - University of California - UPLAND ADVANCED STRAINS VARIETY TRIAL						February 6, 2021 update		
Seed cotton yields, mini-gin calculated lint percent and gin turnout, calculated lint yield averages								
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						
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e-mail: rbhutmacher@ucdavis.edu		CA Cotton Alliance, UC-ANR/UCCE, UC Davis Plant Sci. Dept.						
		Cooperators: Rafael Solorio and UC West Side REC staff, 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 Assoc.-Shafter Research Station; Various Seed Companies						
LOCATION: WEST SIDE REC - Five Points area - Fresno County						HARVEST DATE: 10/22-23/2020		
row spacing:	40 inches							
PLANTING DATE:	4/21/2020							
				LINT YIELD*				
		SEED		Mini-Gin		(calculated as seed cotton yield		
		COTTON		GIN		LINT YIELD		
		LBS/A		T.O. %		(calculated as a % of		
		LINT %		LBS/A		Phy-764 WRF Yield) ^d		
		SEED		SEEDCOTTON YIELD		(calculated as a % of		
		LBS/A		Phy-764 WRF Yield) ^d				
VARIETY	SEED COMPANY	LBS/A	LINT %	T.O. %	LBS/A	Phy-764 WRF Yield) ^d	Phy-764 WRF Yield) ^d	
PHY 764 WRF	Phytogen	4710	45	44.6	2103	100	100	
BX 2116 GLTP	BASF	5339	42.6	42	2244	107	113	
BX 2141 GLTP	BASF	5220	47.6	46.6	2432	116	111	
BX 2151 GLTP	BASF	4246	50.5	49.4	2099	100	90	
BX 2191 B3XF	BASF	5643	48.5	48.1	2710	129	120	
BX 2192 B3XF	BASF	5206	47.4	46.8	2438	116	111	
BX 2193 B3XF	BASF	4591	49.2	48.5	2229	106	97	
BX 2194 B3XF	BASF	4850	47	46.4	2252	107	103	
ST 4990 B3XF	BASF / Stoneville	5188	45.1	44.3	2300	109	110	
ST 4480 B3XF	BASF / Stoneville	4902	46.1	45.7	2237	106	104	
ST 5610 B3XF	BASF / Stoneville	4488	49.5	48.8	2190	104	95	
ST 5600 B2XF	BASF / Stoneville	4478	47.8	47.3	2118	101	95	
DGX 19003 B3XF	Dyna-Gro	4622	48.1	47.2	2183	104	98	
DGX 19008 B3XF	Dyna-Gro	5094	48.7	48.3	2461	117	108	
DGX 19010 B3XF	Dyna-Gro	4731	48.5	47.6	2251	107	100	
DGX 19052 B3XF	Dyna-Gro	4861	46.7	46.3	2252	107	103	
DGX 19731 GLTP	Dyna-Gro	5032	46.3	45.7	2301	109	107	
DGX 197312 GLTP	Dyna-Gro	4730	48	47.5	2246	107	100	
MEAN		4885	47.4	46.7	2280			
LSD 0.05 ^a		438	1.3	1.2	215			
%CV ^b		5.4	1.6	1.5	5.7			
P ^c		0.000	0.000	0.000	0.000			
* NOTE: LINT YIELD VALUES shown were calculated using a mini-gin. This simple ginning method differs from UCCE methods in years when the SJV Cotton Board trials were run (mini-gin does not have commercial gin style cleaners and sample sizes are smaller).								
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^b C.V. = coefficient of variation across replications ^{NS} = no significant statistical difference between entries in this measured value (at the LSD 0.05 level of significance)								
^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)								