2017 University of California PIMA COTTON VARIETY TRIALS

January 25, 2018 update

Seed cotton yields, mini-gin calculated lint percent and gin turnout, calculated lint yield averages

Questions?

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Cooperative Project by:

University of CA Coop. Extension (UC-ANR) / Univ. CA Davis Plant Sci Dept. / Univ. CA West Side REC

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Cooperators: multiple growers, Steve Wright, Dan Munk, Brian Marsh, Bill Weir, Mark Keeley, Raul Delgado, TariLee Frigulti, SJV Quality Cotton Growers Assoc.-Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties

Location: Riverdale area (Fresno County)

HARVEST DATE: 11 / 07

VARIETY	SEED COMPANY	SEED COTTON (lbs/acre)	MINI-GIN LINT PERCENT (%)	MINI-GIN GIN TURNOUT (%)	LINT YIELD* *(calculated as seed cotton yield times Mini-Gin Turnout)	LINT YIELD (as % of Phy-841 RF yield)	SEEDCOTTON YIELD (as % of Phy-841 RF yield)
DP 348 RF	DPL / Monsanto	2527	39.5	37.5	949	103	103
DP 358 RF	DPL / Monsanto	2260	38.9	37.0	837	90	92
MON 16R 330 R2P	Monsanto	2357	39.1	36.9	871	94	96
MON 16R 341 R2P	Monsanto	2297	40.4	37.9	871	94	94
OA EXP 16-48	Monsanto / Olvey & Assoc.	2463	39.7	37.3	920	99	101
PHY 841RF	Phytogen	2446	40.3	37.8	925	100	100
PHY 881 RF	Phytogen	2694	40.8	38.5	1038	112	110
PHY 888 RF	Phytogen	2597	39.8	37.4	970	105	106
HA 1432	Hazera						
HA 690	Hazera						
MEAN		2455	39.8	37.5	923		
[a] LSD 0.05		NS	0.7	0.8			
[a] LSD 0.10					99		
[b] %CV		8.6	1.2	1.5	8.9		
[c] P		0.102	0.000	0.010	0.051		

*** NOTE: LINT YIELD VALUES** shown were calculated using a mini-gin. This simple 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 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 = least significant difference at 5% 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)