2016 University of California PIMA COTTON VARIETY TRIALS

Dec. 21, 2016 update

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

Questions?	Cooperative Project by:
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	SJV Quality Cotton Growers Assoc.-Shafter, Univ CA Cooperative Extension Tulare, Kings, Fresno, Kern, Merced Counties

LOCATION: Corcoran area - Kings County

HARVEST DATE: 10/27

row spacing = 30 inches

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-805 RF yield)	SEEDCOTTON YIELD (as % of Phy-805 RF yield)
PHY 805RF	Phytogen	4330	41.1	39.9	1730	100	100
PX 8188RF	Phytogen	5366	41.1	39.7	2131	123	124
PHY 841RF	Phytogen	5375	41.4	39.9	2144	124	124
PHY 881RF	Phytogen	5547	42.1	40.7	2255	130	128
DP 348RF	Monsanto / Delta Pine	5540	40.6	39.3	2179	126	128
DP 358RF	Monsanto / Delta Pine	5334	40.2	38.5	2055	119	123
DP/OA-EXP. 38	Monsanto / Olvey and Assoc.	5484	41.1	39.8	2182	126	127
DP/OA-EXP. 48	Monsanto / Olvey and Assoc.	5577	41.0	39.7	2213	128	129
MEAN		5319	41.1	39.7	2111		
[a] LSD 0.05		187	0.7	0.9	101		
[b] %CV		2.4	1.1	1.6	3.2		
[c] P		0.000	0.001	0.007	0.000		

*** 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)