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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Location: Mendota area (Fresno County)

HARVEST DATE: 10/26

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	2645	42.3	41.5	1096	100	100
PX 8188RF	Phytogen	3469	41.1	40.4	1400	128	131
PHY 841RF	Phytogen	3370	42.3	41.4	1395	127	127
PHY 881RF	Phytogen	3626	42.0	40.8	1480	135	137
DP 348RF	Monsanto / Delta Pine	3020	41.2	40.1	1209	110	114
DP 358RF	Monsanto / Delta Pine	2934	40.3	39.2	1148	105	111
DP/OA-EXP. 38	Monsanto / Olvey & Assoc.	2947	41.3	40.4	1189	108	111
DP/OA-EXP. 48	Monsanto / Olvey & Assoc.	2928	41.1	40.4	1182	108	111
MEAN		3117	41.5	40.5	1262		
[a] LSD 0.05		171	1.0	1.1	78		
[b] %CV		3.7	1.6	1.8	4.2		
[c] P		0.000	0.006	0.006	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)