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: Los Banos area (Merced County)

HARVEST DATE: 10/12

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	3329	43.8	42.6	1418	100	100
PX 8188RF	Phytogen	4238	43.8	42.7	1809	128	127
PHY 841RF	Phytogen	4231	44.1	42.7	1806	127	127
PHY 881RF	Phytogen	4242	44.2	42.8	1813	128	127
DP 348RF	Monsanto / Delta Pine	4022	43.4	42.4	1705	120	121
DP 358RF	Monsanto / Delta Pine	3817	42.9	41.6	1589	112	115
DP/OA-EXP. 38	Monsanto / Olvey & Assoc.	4026	43.4	42.0	1690	119	121
DP/OA-EXP. 48	Monsanto / Olvey & Assoc.	3820	43.5	42.7	1626	115	115
MEAN		3966	43.6	42.4	1682		
[a] LSD 0.05		246	NS	NS	95		
[b] %CV		4.2	1.5	1.6	3.8		
[c] P		0.000	0.127	0.204	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)