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: **University of CA West Side Research Center**
row spacing = 40 inches
field #16 at West Side REC

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	4994	43.3	41.7	2085	100	100
PX 8188RF	Phytogen	5489	43.4	42.1	2311	111	110
PHY 841RF	Phytogen	5212	44.3	42.9	2236	107	104
PHY 881RF	Phytogen	5668	44.0	43.2	2450	118	113
DP 348RF	Monsanto / Delta Pine	5599	43.2	42.3	2369	114	112
DP 358RF	Monsanto / Delta Pine	5825	42.2	41.1	2399	115	117
DP/OA-EXP. 38	Monsanto / Olvey & Assoc.	5635	43.4	42.3	2383	114	113
DP/OA-EXP. 48	Monsanto / Olvey & Assoc.	5537	43.1	42.2	2338	112	111
HA-1432	Hazera	6039	40.4	38.5	2313	111	121
HA-690	Hazera	5315	39.6	38.3	2035	98	106
HA-701	Hazera	5509	40.3	38.8	2138	103	110
PHY 802RF	Phytogen	5130	42.4	40.9	2105	101	103
PHY 811RF	Phytogen	5549	42.4	41.2	2288	110	111
MEAN		5500	42.5	41.2	2265		
[a] LSD 0.05		556	1.0	1.4	206		
[b] %CV		7.0	1.6	2.3	6.3		
[c] P		0.040	0.000	0.000	0.002		

*** 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)