# 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?

contact: Bob Hutmacher (Univ. CA)

Cell: (559) 260-8957

email: rbhutmacher@ucdavis.edu


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: Corcoran area ( Kings County )**

HARVEST DATE: 11 / 01

| 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 | 4779 | 41.7 | 39.3 | 1875 | 96 | 98 |
| DP 358 RF | DPL / Monsanto | 4910 | 42.8 | 39.3 | 1932 | 99 | 101 |
| MON 16R 330 R2P | Monsanto | 4587 | 42.4 | 39.9 | 1830 | 94 | 94 |
| MON 16R 341 R2P | Monsanto | 4858 | 41.6 | 39.2 | 1901 | 98 | 99 |
| OA EXP 16-48 | Monsanto / Olvey & Assoc. | 4780 | 42.2 | 39.5 | 1886 | 97 | 98 |
| PHY 841RF | Phytogen | 4883 | 42.3 | 39.8 | 1944 | 100 | 100 |
| PHY 881 RF | Phytogen | 4717 | 42.0 | 39.9 | 1883 | 97 | 97 |
| PHY 888 RF | Phytogen | 4872 | 41.4 | 38.9 | 1898 | 98 | 100 |
| HA 1432 | Hazera | | | | | | |
| HA 690 | Hazera | | | | | | |
| MEAN | | 4798 | 42.1 | 39.5 | 1894 | | |
| [a] LSD 0.05 | | NS | NS | NS | NS | | |
| [a] LSD 0.10 | | | | | | | |
| [b] %CV | | 3.8 | 1.9 | 1.9 | 4.7 | | |
| [c] P | | 0.252 | 0.268 | 0.527 | 0.737 | | |

*** 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)