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


**Location: Los Banos area (Merced County)**

HARVEST DATE: 10 / 30

| 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 | 3224 | 41.6 | 39.6 | 1277 | 87 | 89 |
| DP 358 RF | DPL / Monsanto | 3422 | 40.9 | 39.1 | 1339 | 92 | 95 |
| MON 16R 330 R2P | Monsanto | 3247 | 41.5 | 40.0 | 1298 | 89 | 90 |
| MON 16R 341 R2P | Monsanto | 3631 | 41.9 | 40.0 | 1453 | 99 | 101 |
| OA EXP 16-48 | Monsanto / Olvey & Assoc. | 3534 | 41.6 | 40.1 | 1415 | 97 | 98 |
| PHY 841RF | Phytogen | 3604 | 42.6 | 40.6 | 1462 | 100 | 100 |
| PHY 881 RF | Phytogen | 3667 | 42.6 | 40.5 | 1488 | 102 | 102 |
| PHY 888 RF | Phytogen | 3691 | 42.5 | 41.0 | 1512 | 103 | 102 |
| HA 1432 | Hazera | 4994 | 39.2 | 37.8 | 1889 | 129 | 139 |
| HA 690 | Hazera | 3643 | 38.2 | 36.9 | 1342 | 92 | 101 |
| MEAN | | 3666 | 41.3 | 39.6 | 1448 | | |
| [a] LSD 0.05 | | 286 | 0.8 | 1.0 | 106 | | |
| [b] %CV | | 5.4 | 1.3 | 1.7 | 5.0 | | |
| [c] P | | 0.000 | 0.000 | 0.000 | 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)