## 2017 University of California UPLAND / ACALA COTTON VARIETY TRIALS

*5-Mar-18 update*

*fiber quality - hvi results: Ginned at Shafter Station, analyzed at the USDA-AMS Classing Office - Visalia, CA*


| 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: University of CA West Side REC - Fresno County**

| VARIETY | MICRO-NAIRE | LENGTH (in) | STRENGTH (g/Tex) | UNIFORMITY INDEX | MANUAL CLASSING LEAF GRADE | HVI TRASH | COLOR RD | COLOR +B |
|---|---|---|---|---|---|---|---|---|
| PHY 725RF | 4.65 | 1.20 | 35.9 | 82.4 | 6.75 | 1.70 | 70.30 | 9.4 |
| PHY 764WRF | 4.33 | 1.19 | 35.8 | 82.4 | 7.50 | 2.28 | 65.90 | 9.4 |
| DAYTONA RF | 4.58 | 1.16 | 34.8 | 82.7 | 7.00 | 1.75 | 70.10 | 9.2 |
| FM 1830GLT | 4.70 | 1.22 | 33.4 | 81.5 | 7.00 | 1.73 | 69.90 | 8.4 |
| FM 1888GL | 4.78 | 1.16 | 33.3 | 82.1 | 7.25 | 1.83 | 70.30 | 8.3 |
| FM 1953GLTP | 4.33 | 1.18 | 33.3 | 82.5 | 6.50 | 1.70 | 71.90 | 8.3 |
| ST 5020GLT | 4.68 | 1.20 | 33.8 | 82.4 | 8.00 | 2.33 | 69.30 | 9.1 |
| DP 1646 B2XF | 4.48 | 1.23 | 31.9 | 82.5 | 7.00 | 1.60 | 71.50 | 8.8 |
| DP 1639 B2XF | 5.13 | 1.16 | 34.8 | 83.5 | 6.75 | 1.65 | 69.60 | 9.3 |
| DP 1522 B2XF | 5.20 | 1.14 | 33.1 | 83.0 | 7.75 | 2.28 | 68.10 | 8.8 |
| DP 1725 B2XF | 5.00 | 1.14 | 30.5 | 82.0 | 6.50 | 1.70 | 71.70 | 8.8 |
| DP 1555 B2XF | 4.75 | 1.16 | 32.7 | 82.5 | 7.00 | 1.70 | 71.00 | 9.0 |
| MEAN | 4.72 | 1.18 | 33.6 | 82.5 | 7.08 | 1.85 | 70.00 | 8.9 |
| LSD 0.05 | 0.26 | 0.04 | 1.1 | NS | NS | NS | 2.70 | 0.4 |
| %CV | 3.9 | 2.5 | 2.3 | 1.2 | 12.8 | 28.3 | 2.6 | 3.4 |
| P | 0.000 | 0.001 | 0.000 | 0.431 | 0.415 | 0.417 | 0.004 | 0.000 |

* **NOTE: SAMPLES SUBMITTED FOR HVI ANALYSES** were separated from seed using a mini-gin. This 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.

a LSD = least significant difference at 5% or 10% 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)