

**2010 PIMA SJVCB VARIETY TRIALS - SEED COTTON YIELD (LBS/A)**

**SEEDCOTTON YIELD - 2010**

University of California / San Joaquin Valley Cotton Board

1/30/2011

YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries

locations with 8 varieties included (includes HA-195)

|                                                                                                                 |                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Questions?<br>Contact - Bob Hutmacher (Univ. CA)<br>cell # (559) 260-8957<br>or e-mail: rbhutmacher@ucdavis.edu | Cooperative Project by:<br>San Joaquin Valley Cotton Board / University of California / Various Seed Companies<br>California Department of Food and Agriculture / Supima Association<br>Cooperators: Hutmacher, Wright, Munk, Marsh, Keeley, Delgado, Banuelos, Wroble |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| VARIETY    | SOURCE OF VARIETY &<br>SJVCB COTTON BOARD STATUS        | 40" ROWS<br>SHAFTER | 40"<br>WSREC | 40"<br>MENDOTA | SEED<br>COTTON<br>(LBS/ACRE)<br>MEAN |
|------------|---------------------------------------------------------|---------------------|--------------|----------------|--------------------------------------|
| DP-360     | Olvey & Assoc / Monsanto - 3rd year (entered as OA-360) | 1910                | 3425         | 2777           | 2704                                 |
| PHY-802 RF | Phytogen - 3rd year (entered as P07X.8212 RF)           | 1581                | 2641         | 3141           | 2454                                 |
| PHY-804 RF | Phytogen - 2nd year (entered as P07X.8244 RF)           | 1934                | 3450         | 3537           | 2974                                 |
| PHY-805RF  | Phytogen - 3rd year (entered as P07X.8213 RF)           | 1838                | 3098         | 3187           | 2708                                 |
| PHY-800    | SJVCB Pima Standard                                     | 1829                | 3079         | 3442           | 2783                                 |
| COBALT     | SJVCB Approved Variety - check                          | 2522                | 4106         | 2832           | 3153                                 |
| DP-357     | SJVCB Approved Variety - check                          | 2470                | 4110         | 3497           | 3359                                 |
| HA-195     | hybrid cotton variety - check                           | 3456                | 4617         | 5357           | 4477                                 |
| MEAN       |                                                         | 2193                | 3566         | 3471           | 3077                                 |
| LSD 0.05   |                                                         | 288                 | 582          | 341            | 264                                  |
| CV%        |                                                         | 8.9                 | 11.1         | 6.7            | 10.1                                 |
| P          |                                                         | 0.000               | 0.000        | 0.000          | 0.000                                |

\* the Shafter, WSREC, and Mendota locations are also included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include all entries plus Hazera HA-195

|           |       |
|-----------|-------|
| VAR * LOC |       |
| LSD 0.05  | 430   |
| %CV       | 9.8   |
| P         | 0.000 |

**2010 PIMA SJVCB VARIETY TRIALS - LINT %**

**LINT PERCENT - 2010**

University of California / San Joaquin Valley Cotton Board  
 YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries

1/30/2011

locations with 8 varieties included (includes HA-195)

|                                                                                                                 |                                                                                                                                                                                                                                                                        |
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|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| VARIETY    | SOURCE OF VARIETY &<br>SJVCB COTTON BOARD STATUS        | 40" ROWS<br>SHAFTER | 40"<br>WSREC | 40"<br>MENDOTA | LINT %<br>MEAN |
|------------|---------------------------------------------------------|---------------------|--------------|----------------|----------------|
| DP-360     | Olvey & Assoc / Monsanto - 3rd year (entered as OA-360) | 35.9                | 36.5         | 37.2           | 36.5           |
| PHY-802 RF | Phytogen - 3rd year (entered as P07X.8212 RF)           | 35.5                | 36.6         | 37.5           | 36.5           |
| PHY-804 RF | Phytogen - 2nd year (entered as P07X.8244 RF)           | 35.9                | 37.4         | 38.4           | 37.2           |
| PHY-805RF  | Phytogen - 3rd year (entered as P07X.8213 RF)           | 37.4                | 37.3         | 38.1           | 37.6           |
| PHY-800    | SJVCB Pima Standard                                     | 35.4                | 36.3         | 37.2           | 36.3           |
| COBALT     | SJVCB Approved Variety - check                          | 35.7                | 36.3         | 36.6           | 36.2           |
| DP-357     | SJVCB Approved Variety - check                          | 35.7                | 36.7         | 37.4           | 36.6           |
| HA-195     | hybrid cotton variety - check                           | 34.9                | 37.3         | 39.6           | 37.3           |
| MEAN       |                                                         | 35.8                | 36.8         | 37.8           | 36.8           |
| LSD 0.05   |                                                         | 0.9                 | 0.8          | 0.8            | 0.6            |
| CV%        |                                                         | 1.8                 | 1.5          | 1.4            | 1.9            |
| P          |                                                         | 0.001               | 0.028        | 0.000          | 0.000          |

\* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195

|           |       |
|-----------|-------|
| VAR * LOC |       |
| LSD 0.05  | 0.7   |
| %CV       | 1.3   |
| P         | 0.000 |

**2010 PIMA SJVCB VARIETY TRIALS - GIN TURNOUT %**

**GIN TURNOUTS - 2010**

University of California / San Joaquin Valley Cotton Board  
 YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries

1/30/2011

locations with 8 varieties included (includes HA-195)

|                                                                                                                 |                                                                                                                                                                                                                                                                        |
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|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| VARIETY    | SOURCE OF VARIETY &<br>SJVCB COTTON BOARD STATUS        | 40" ROWS<br>SHAFTER | 40"<br>WSREC | 40"<br>MENDOTA | GIN<br>T.O. %<br>MEAN |
|------------|---------------------------------------------------------|---------------------|--------------|----------------|-----------------------|
| DP-360     | Olvey & Assoc / Monsanto - 3rd year (entered as OA-360) | 32.4                | 32.0         | 32.4           | 32.3                  |
| PHY-802 RF | Phytogen - 3rd year (entered as P07X.8212 RF)           | 31.1                | 31.6         | 32.2           | 31.6                  |
| PHY-804 RF | Phytogen - 2nd year (entered as P07X.8244 RF)           | 31.9                | 31.9         | 33.4           | 32.4                  |
| PHY-805RF  | Phytogen - 3rd year (entered as P07X.8213 RF)           | 33.2                | 32.2         | 32.8           | 32.7                  |
| PHY-800    | SJVCB Pima Standard                                     | 31.4                | 31.7         | 31.7           | 31.6                  |
| COBALT     | SJVCB Approved Variety - check                          | 32.6                | 32.1         | 31.9           | 32.2                  |
| DP-357     | SJVCB Approved Variety - check                          | 32.4                | 32.8         | 33.0           | 32.7                  |
| HA-195     | hybrid cotton variety - check                           | 31.5                | 33.6         | 33.7           | 32.9                  |
| MEAN       |                                                         | 32.1                | 32.2         | 32.6           | 32.3                  |
| LSD 0.05   |                                                         | 1.1                 | 1.2          | 1.0            | 0.8                   |
| CV%        |                                                         | 2.3                 | 2.6          | 2.1            | 2.9                   |
| P          |                                                         | 0.014               | 0.046        | 0.005          | 0.013                 |

\* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195

|           |       |
|-----------|-------|
| VAR * LOC |       |
| LSD 0.05  | 0.9   |
| %CV       | 2.0   |
| P         | 0.002 |

**2010 PIMA SJVCB VARIETY TRIALS - LINT YIELD (LBS/A)**

**LINT YIELDS - 2010**

University of California / San Joaquin Valley Cotton Board

1/30/2011

YEAR 2 & YEAR 3 ENTRY TRIALS plus UCCE entries

locations with 8 varieties included (includes HA-195)

|                                                                                                                 |                                                                                                                                                                                                                                                                        |
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|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| VARIETY    | SOURCE OF VARIETY &<br>SJVCB COTTON BOARD STATUS        | 40" ROWS<br>SHAFTER | 40"<br>WSREC | 40"<br>MENDOTA | LINT<br>YIELD<br>(LBS/A)<br>MEAN | % OF<br>PHY-800 |
|------------|---------------------------------------------------------|---------------------|--------------|----------------|----------------------------------|-----------------|
| DP-360     | Olvey & Assoc / Monsanto - 3rd year (entered as OA-360) | 619                 | 1096         | 898            | 871                              | 99              |
| PHY-802 RF | Phytogen - 3rd year (entered as P07X.8212 RF)           | 493                 | 833          | 1010           | 779                              | 88              |
| PHY-804 RF | Phytogen - 2nd year (entered as P07X.8244 RF)           | 617                 | 1102         | 1181           | 967                              | 110             |
| PHY-805RF  | Phytogen - 3rd year (entered as P07X.8213 RF)           | 610                 | 999          | 1046           | 885                              | 101             |
| PHY-800    | SJVCB Pima Standard                                     | 574                 | 976          | 1090           | 880                              | 100             |
| COBALT     | SJVCB Approved Variety - check                          | 821                 | 1319         | 903            | 1014                             | 115             |
| DP-357     | SJVCB Approved Variety - check                          | 799                 | 1352         | 1153           | 1101                             | 125             |
| HA-195     | hybrid cotton variety - check                           | 1090                | 1551         | 1802           | 1481                             | 168             |
| MEAN       |                                                         | 703                 | 1154         | 1135           | 997                              |                 |
| LSD 0.05   |                                                         | 98                  | 190          | 114            | 90                               |                 |
| CV%        |                                                         | 9.4                 | 11.2         | 6.8            | 10.6                             |                 |
| P          |                                                         | 0.000               | 0.000        | 0.000          | 0.000                            |                 |

\* these locations are included in the five-location comparison with 7 entries shown in separate tables, but only these 3 sites include Hazera HA-195

|           |       |
|-----------|-------|
| VAR * LOC |       |
| LSD 0.05  | 146   |
| %CV       | 10.3  |
| P         | 0.000 |