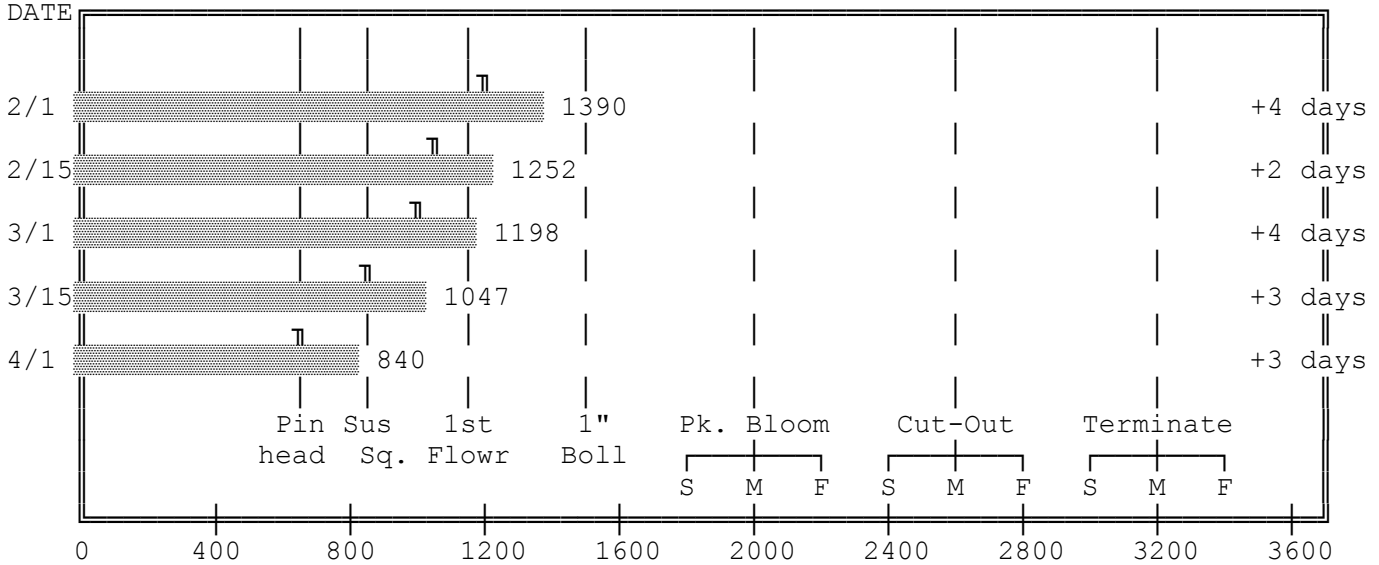


YUMA VALLEY COTTON DEVELOPMENT ADVISORY  
MAY 20, 2018

PLANTING DATE +/- normal



HEAT UNITS ACCUMULATED FROM PLANTING to MAY 19  
 ¶ = Heat Units on MAY 12; S,M,F = Short, Medium, and Full Season Varieties

HEAT UNITS

Heat Unit (HU) accumulation since Jan 1 = 1655; Last year = 1542; Normal = 1463  
 HUs since Jan 1 are running about 9 days ahead of normal.  
 HU last week = 135

HISTORICAL STATISTICS

| Last Week : MAY 13 - MAY 19 |      |     |       |     | This Week : MAY 20 - MAY 26 |        |      |     |       |     |
|-----------------------------|------|-----|-------|-----|-----------------------------|--------|------|-----|-------|-----|
|                             | HIGH | LOW | DEWPT | HUs | RAIN                        |        | HIGH | LOW | DEWPT | HUs |
| Normal                      | 95   | 61  | 44    | 143 | ----                        | Normal | 94   | 61  | 44    | 144 |
| Recorded                    | 92   | 59  | 42    | 135 | 0.00                        | 2017   | 90   | 55  | 38    | 117 |

ESTIMATED WATER USE

| Planting date :        | 2/1   | 2/15  | 3/1   | 3/15 | 4/1  |
|------------------------|-------|-------|-------|------|------|
| Water Use (last week): | 1.36" | 1.17" | 1.09" | .88" | .59" |

WEATHER UPDATE

--A storm system will pass north of AZ early this week, resulting in breezy conditions with clear skies & near normal temperatures. High pressure redevelops over AZ Wednesday, bringing a return to hot & dry conditions late this week.  
 --Forecasts for spring Colorado River flow into Lake Powell remain well below normal. Official May 15 forecasts call for 3 MAF for April through July or 42% of average (7.2 MAF). Flow to date is ~ 1 MAF compared to a normal value of 2.5 MAF.  
 --Nitrogen (N) uptake increases at first square, reaching maximum levels at peak bloom. Split applications of N fertilizer are recommended during this period to ensure optimum crop performance & improve N fertilizer efficiency. Details at <https://extension.arizona.edu/sites/extension.arizona.edu/files/pubs/az1243.pdf>.