PLANTING

PLANTING

DATE

HEAT UNITS ACCUMULATED FROM PLANTING to JUL 20

|= Heat Units on JUL 13;  S,M,F = Short, Medium, and Full Season Varieties

HEAT UNITS

Heat Unit (HU) accumulation since Jan 1 = 2543;  Last year = 2859;  Normal = 2636 HUs since Jan 1 are running about 3 days behind normal.  HU last week = 191

HISTORICAL STATISTICS

Last Week : JUL 14 - JUL 20

This Week : JUL 21 - JUL 27

<table>
<thead>
<tr>
<th>HIGH</th>
<th>LOW DWPT</th>
<th>HUs</th>
<th>RAIN</th>
<th>HIGH</th>
<th>LOW DWPT</th>
<th>HUs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Normal</td>
<td>103</td>
<td>72</td>
<td>59</td>
<td>188</td>
<td>----</td>
<td>Normal</td>
</tr>
<tr>
<td>Recorded</td>
<td>104</td>
<td>73</td>
<td>60</td>
<td>191</td>
<td>0.00</td>
<td>2018</td>
</tr>
</tbody>
</table>

ESTIMATED WATER USE

Planting date : 3/15 4/1 4/15 5/1 5/15

Water Use (last week): 2.36" 2.36" 2.14" 1.76" 1.42"

HEAT STRESS LEVELS

Date 7/14 7/15 7/16 7/17 7/18 7/19 7/20

Stress L1 L1 L1 ns ns ns ns

Key : ns = no stress;  L1 = Level 1 Stress;  L2 = Level 2 Stress

WEATHER UPDATE

A good monsoon flow regime Monday & Tuesday will produce afternoon showers & thunderstorms in the mountains of east AZ that should drift westerward into the low desert.  This flow regime weakens mid-week as high pressure redevelops over AZ, lowering the chances for precipitation & producing very warm temperatures.  Another uptick in monsoon activity is expected for the coming weekend.  Heat stress develops when high temperatures combine with elevated humidity levels to increase crop temperatures above optimal levels for reproductive development, resulting in fruit shed.  A summary of last week's heat stress conditions is provided above.  Growers can obtain daily updates on heat stress at:

https://www.ag.arizona.edu/azmet/cot-HSrpt.htm.