COTTON ADVISORY

WEATHER UPDATE

- Strong high pressure will move over AZ early this week resulting in the near record high temperatures. Daytime temperatures approaching 120F are possible along the River. Humidity levels will decline early in the week, then gradually increase late in the week as the high pressure system shifts toward NV. Cooler temperatures & increasing chances for precipitation will accompany this increase in humidity. Long-term forecast models indicate a more favorable flow pattern for precipitation this weekend & early next week.

- Heat stress is likely in central & western AZ this week. Heat stress causes young 3-5 day old bolls to abort, lowering overall fruit retention. For more details see: [https://www.ag.arizona.edu/azmet/data/00stress1.txt](https://www.ag.arizona.edu/azmet/data/00stress1.txt)

- Go to [https://www.ag.arizona.edu/azmet/cot-soil.htm](https://www.ag.arizona.edu/azmet/cot-soil.htm) to review local AZMET values.

ESTIMATED WATER USE

<table>
<thead>
<tr>
<th>Planting date:</th>
<th>3/15</th>
<th>4/1</th>
<th>4/15</th>
<th>5/1</th>
<th>5/15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use (last wk):</td>
<td>2.42”</td>
<td>2.42”</td>
<td>2.42”</td>
<td>2.2”</td>
<td>1.8”</td>
</tr>
</tbody>
</table>

HISTORICAL STATISTICS

<table>
<thead>
<tr>
<th>Last Week: Jul 15 - Jul 21</th>
<th>This Week: Jul 22 - Jul 28</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIGH</td>
<td>LOW</td>
</tr>
<tr>
<td>Recorded</td>
<td>102</td>
</tr>
<tr>
<td>RAIN: Maricopa = .01” Coolidge = .0”</td>
<td></td>
</tr>
</tbody>
</table>

HEAT STRESS LEVELS

<table>
<thead>
<tr>
<th>Date:</th>
<th>7/15</th>
<th>7/16</th>
<th>7/17</th>
<th>7/18</th>
<th>7/19</th>
<th>7/20</th>
<th>7/21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stress:</td>
<td>ns</td>
<td>L1</td>
<td>L1</td>
<td>L1</td>
<td>L2</td>
<td>L2</td>
<td>L1</td>
</tr>
</tbody>
</table>

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

- Here are this week’s Cotton Advisories for different regions in Central Arizona

  Coolidge / Maricopa / Pinal

CONTACT:

Blase Evancho, Assistant in Extension
Cooperative Extension, Pinal/Pima Counties
820 E Cottonwood Ln, #C, Casa Grande, AZ 85122
Tel: (520) 836-5221, ext. 215 / Fax: (520) 836-1750 / Cell: (520) 705-0871
Email: bee1@email.arizona.edu

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“TENT TALKS” MEETINGS
SPONSORED BY

COTTON
When: Wednesday, July 25th
Where: John Walker’s Farm, Casa Grande, AZ

6:45am - 7:00 am  Breakfast and Registration
7:00 am - 7:15 am  John Walker  Reduced Tillage Production Systems
7:15 am - 7:45 am  Blase Evancho  Texas Root Rot Control and Cotton Update
7:45 am - 8:15 am  Dr. Peter Ellsworth  Cotton IPM Update
8:15 am - 8:30 am  Karen Geldmacher  Heat Tolerance in Cotton Varieties
8:30 am - 8:45 am  Jeff Boydston  Priaxor Fungicide & Pentia Plant Regulator for Cotton Plant Health
8:45 am - 9:15 am  Dr. Paul Brown  2018 Monsoon and Heat Stress Forecasting

COTTON
When: Thursday, July 26th
Where: Pacheco’s Farm, Marana, AZ

6:45 am - 7:00 am  Breakfast and Registration
7:00 am - 7:30 am  Blase Evancho  Texas Root Rot Control and Cotton Update
7:30 am - 8:00 am  Dr. Paul Brown  2018 Monsoon and Heat Stress Forecasting
8:00 am - 8:15 am  Jeff Boydston  Priaxor Fungicide & Pentia Plant Regulator for Cotton Plant Health
8:15 am - 8:30 am  Karen Geldmacher  Heat Tolerance in Cotton Varieties
8:30 am - 9:00 am  Dr. Peter Ellsworth  Cotton IPM Update
The Arizona Department of Agriculture will present several pesticide safety trainer workshops in Marana (near Tucson) in August. The registration forms are available at https://agriculture.az.gov/trainingassistance/pesticide-safety-training/train-trainer-program. The workshops and dates are listed following the Spanish-language version of this note.

**Workshops dates:**
- August 14th – Train-the-Trainer Workshop in English for new trainers and trainers with expired certificates
- August 15th – Train-the-Trainer Workshop in Spanish for new trainers and trainers with expired certificates
- August 16th – Refresher Courses in Spanish (morning) and English (afternoon) for currently certified trainers, certified applicators (PUG, PUP, PUC) and Pest Control Advisors (PCAs)

**Fechas de los cursos:**
- 14 de agosto – Curso de capacitación en inglés para nuevos capacitadores y capacitadores con certificaciones caducadas
- 15 de agosto – Curso de capacitación en español para nuevos capacitadores y capacitadores con certificaciones caducadas
- 16 de agosto – Cursos de actualización en español (mañana) e inglés (tarde) para capacitadores certificados actualmente, aplicadores certificados (PUG, PUP, PUC) y Asesores de Control de Plagas (PCAs)

Contact Jennifer Weber, for more information!

**Jennifer Weber**  
Pesticide Safety Field Consultant  
Arizona Department of Agriculture  
Agricultural Consultation and Training Program  
1688 W. Adams Street  
Phoenix, AZ 85007  
Phone: (602) 542-0985