Pest Cast

The last of the grain sorghum and corn was being harvested this week. Sesame is coming along nicely as it begins to dry out and get closer to harvest as well. In cotton we are seeing about 30% to 50% open bolls in majority of fields throughout all three counties. Many growers starting to think about what harvest aids to use whether it be a defoliant, desiccant, boll openness or a combination of them. The efficacy of harvest aid products can be greatly affected by environmental conditions, so it is important to consider time of application, % humidity and other factors that affect moisture present that could inhibit the products from working properly. Temperatures remain hot this week with a couple of stray rain showers but nothing major.

Whiteflies and Verde bugs are the two main pests of concern this week. I saw many whiteflies across cotton fields in all three counties this week. There are an abundance of adult whiteflies and I did see some nymph activity present. Growers will want to spray to control populations now before they cause any sooty mold to occur to avoid staining the open cotton already present and more yet to come.

In the coastal areas such as Rio Hondo and Bayview we were seeing many Verde bugs present. In a couple of fields we were seeing 5 adults per plant. You only need to see 1 per plant to warrant spray treatment. There is still a good amount of cotton with small immature soft bolls that can be penetrated and fed on by Verde bugs so please access your cotton field and spray if needed.
### 2018 Cotton Heat Unit (H.U.) Accumulation Graph

![Graph showing cotton heat unit accumulation from 2/15/2018 to 7/12/2018.](image)

**Legend**
- **Blue** line: Accumulation since 2/15/2018
- **Red** line: Accumulation since 3/1/2018
- **Green** line: Accumulation since 3/15/2018
- **Purple** line: Accumulation since 4/1/2018

**Date Range**
- 2/15/2018 to 7/12/2018

### Whiteflies

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Intruder Max</td>
<td>acetamiprid*</td>
<td>1.7–2.3</td>
<td>0.075–0.1</td>
<td>9.41–6.96</td>
<td>Caution</td>
<td>Neonicotinoid (4A)</td>
<td>12h</td>
</tr>
<tr>
<td>70WP/Strafer Max</td>
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<tr>
<td>Acephate 90 Prill</td>
<td>acephate*</td>
<td>8.9–17.6</td>
<td>0.5–0.99</td>
<td>1.8–0.9</td>
<td>Caution</td>
<td>Organophosphate (1B)</td>
<td>24h</td>
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<tr>
<td>Orthene 97</td>
<td>acephate</td>
<td>8–16</td>
<td>0.487–0.974</td>
<td>2–1</td>
<td>Caution</td>
<td>Organophosphate (1B)</td>
<td>24h</td>
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<tr>
<td>Oberon 45C</td>
<td>spiromesifen</td>
<td>3–8</td>
<td>0.09–0.25</td>
<td>42.7–16</td>
<td>Caution</td>
<td>Tetronic and Tetramic acid derivatives (23)</td>
<td>12h</td>
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<tr>
<td>Knack</td>
<td>pyrithiopene</td>
<td>8–10</td>
<td>0.054–0.067</td>
<td>16–13</td>
<td>Caution</td>
<td>Pyrimethen (7C)</td>
<td>12h</td>
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<tr>
<td>Centric 40 WG</td>
<td>thiamethoxam</td>
<td>2.0–2.3</td>
<td>0.05–0.0025</td>
<td>0–5.4</td>
<td>Caution</td>
<td>Neonicotinoid (4A)</td>
<td>12h</td>
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<tr>
<td>Svanto 200 SL</td>
<td>flupyradifurone</td>
<td>10.5–14.0</td>
<td>0.137–0.183</td>
<td>12.19–9.14</td>
<td>Caution</td>
<td>Butenolide (4D)</td>
<td>4h</td>
</tr>
<tr>
<td>Admire Pro</td>
<td>imidacloprid*</td>
<td>1.3–1.7</td>
<td>0.0467–0.0611</td>
<td>98.46–75.29</td>
<td>Caution</td>
<td>Neonicotinoid (4A)</td>
<td>12h</td>
</tr>
</tbody>
</table>

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