Dear Recipients,

This report covers the week ending March 5, 2012.

Highlights:

* Psyllid populations continue to increase rapidly in the Lower Rio Grande Valley and at Pearsall. Note small nymph population growth since Feb 13 (see attached pdf).

* A trapline of 100 yellow sticky traps is now being monitored weekly near Pearsall, Texas. This week, 22 psyllids were captured on these traps.

**LRGV-Traps (5 traps per field - transect from edge to center) - # adults**

- W5 (10)
- W16 (5)
- W18 (8)
- MAB (0)
- B8 (5)
- UTC1 (64)
- UTC2 (45)
- UTC3 (13)
- AgriLife tomato field (11)

**Pearsall (2/6-2/13)-UTC Traps - # adults**

UTC 1 (0), KISS sampler net (47)
UTC 2 (0), KISS sampler net (51)
UTC 3 (0), no sampler net

**Pearsall field-Traps (5 traps per field - transect from edge to center) - # adults**

BG1- (19)
Oak Tree- (5)

**LRGV leaf samples**

- W5: 0 eggs, 12 small nymphs, 0 large nymphs were found this week on 100 leaves collected from the perimeter of this field (10 compound leaves from each of 10 locations). Admire Pro at planting. Movento @ 5 oz/acre applied 2/6 and 2/19. AgriMek @ 12 oz/acre applied 2/29
- W16: 0 eggs, 14 small nymphs, 16 large nymphs. Admire Pro at Planting. Movento @ 5 oz/acre applied 1/27 and 2/6. AgriMek @ 12 oz/acre applied 2/19 and 2/29.
- W18: 9 eggs, 7 small nymphs, 0 large nymphs. Admire Pro at Planting. Movento @ 5 oz/acre applied 2/15 and 2/26. AgriMek @ 12 oz/acre applied 3/6
- B8: 34 eggs, 11 small nymphs, 0 large nymphs. Admire Pro at planting. Movento @ 5 oz/acre applied 2/21 and 3/2.
-MAB: 6 eggs, 4 small nymphs, 0 large nymphs. Admire Pro at planting.
-UTC1: 178 eggs, 133 small nymphs, 38 large nymphs (50 leaves were sampled from the UTC's).
-UTC2: 119 eggs, 260 small nymphs, 91 large nymphs.
-UTC3: 41 eggs, 74 small nymphs, 12 large nymphs.

Pearsall leaf samples
BG1: 221 eggs, 58 small nymphs, 2 large nymphs. Admire Pro@8.5 oz/acre at planting (1/7-8). Movento @ 3oz/acre+ Agrimek @ 8oz/acre applied 2/13. Fulfill @ 5.5 oz/acre applied 2/20. Movento @ 4.5 oz/acre applied 2/29 + edges treated with Requiem @ 2 qts/acre.
UTC1: 145 eggs, 111 small nymphs, 160 large nymphs (25 leaves were sampled from these UTC's)
UTC2: 15 eggs, 56 small nymphs, 0 large nymphs
UTC3: 226 eggs, 130 small nymphs, 0 large nymphs

*23 / 227 (or 10 %) of psyllids trapped during the week of February 20-27, 2012 were positive for Liberibacter (7/22 from the AgriLife tomato field, 13/104 from Weslaco UTC's, 1/5 from W16, 2/56 from the Pearsall trapline). Thanks to Jim Crosslin's lab for testing these psyllids.

Thanks also to Dr. Greta Schuster (Texas A&M - Kingsville) and Seth Walker for sampling at Pearsall.

Attached is a pdf containing more details of last week's sampling results.

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**LRGV Large Nymphs (LN)**

![Graph showing the mean number of LRGV Large Nymphs per leaf from February 6 to March 5. The graph demonstrates a peak in nymphs around February 27.]

**LRGV Adults**

![Graph showing the mean number of LRGV Adults per trap from January 23 to March 5. The graph shows fluctuation in adult numbers with peaks around February 27 and March 5.]

- W 5
- W16
- W 18
- UTC 1
- UTC 3
- UTC 2
- B 8
- MAB
- Tomatoes
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Pearsall eggs

<table>
<thead>
<tr>
<th>Date</th>
<th>BG 1</th>
<th>Pearsall UTC 1</th>
<th>Pearsall UTC 2</th>
<th>Pearsall UTC 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 13</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Feb 20</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
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<tr>
<td>Feb 27</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Mar 5</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>

Pearsall small nymphs (SN)

<table>
<thead>
<tr>
<th>Date</th>
<th>BG 1</th>
<th>Pearsall UTC 1</th>
<th>Pearsall UTC 2</th>
<th>Pearsall UTC 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feb 13</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Feb 20</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Feb 27</td>
<td>6</td>
<td>8</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>Mar 5</td>
<td>8</td>
<td>6</td>
<td>4</td>
<td>2</td>
</tr>
</tbody>
</table>
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Pearsall large nymphs (LN)

- BG 1
- Pearsall UTC 1
- Pearsall UTC 2
- Pearsall UTC 3

Pearsall adults

- BG 1
- Pearsall UTC 1
- Pearsall UTC 2
- Pearsall UTC 3
- Oak Tree
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Numbers of psyllids trapped-Lower Rio Grande Valley trapline

<table>
<thead>
<tr>
<th>Sample date</th>
<th># psyllids</th>
<th>% 'hot'</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-Dec</td>
<td>39</td>
<td>13%</td>
</tr>
<tr>
<td>12-Dec</td>
<td>1</td>
<td>0%</td>
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<tr>
<td>19-Dec</td>
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<td>0%</td>
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<tr>
<td>26-Dec</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>3-Jan</td>
<td>4</td>
<td>0%</td>
</tr>
<tr>
<td>9-Jan</td>
<td>2</td>
<td>0%</td>
</tr>
<tr>
<td>16-Jan</td>
<td>2</td>
<td>0%</td>
</tr>
<tr>
<td>23-Jan</td>
<td>4</td>
<td>0%</td>
</tr>
</tbody>
</table>

Numbers of psyllids trapped-Pearsall trapline

<table>
<thead>
<tr>
<th>Sample date</th>
<th># psyllids</th>
<th>% 'hot'</th>
</tr>
</thead>
<tbody>
<tr>
<td>30-Jan</td>
<td>30</td>
<td>3%</td>
</tr>
<tr>
<td>6-Feb</td>
<td>79</td>
<td>3%</td>
</tr>
<tr>
<td>13-Feb</td>
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</tr>
<tr>
<td>20-Feb</td>
<td>12</td>
<td>0%</td>
</tr>
<tr>
<td>27-Feb</td>
<td>56</td>
<td>4%</td>
</tr>
<tr>
<td>5-Mar</td>
<td>22</td>
<td>n/a</td>
</tr>
</tbody>
</table>