Dear Recipients,

This report covers the week ending April 2, 2012.

Highlights:
* A trapline of 20 yellow sticky traps is now being monitored weekly near Olton, Texas. This week, 318 psyllids were captured on these traps. Planting is ongoing in the Olton/Springlake area of the Texas Panhandle.
* Harvesting has begun in the LRGV.
* Traplines have been deployed at locations in Colorado and Nebraska for early season detection.

LRGV-Traps (5 traps per field - transect from edge to center) - # adults
-W5 (9)
-W16 (13)
-W18 (5)
-MAB (0)
-B8 (11)
-UTC1 (101)
-UTC2 (100)
-UTC3 (165)

Pearsall UTC Traps - # adults (KISS sampler net is a inverted leaf blower modified into a vacuum - note the large discrepancy between sticky trap and vac sample counts). This suggests that sticky traps are only measuring adult flight activity into/out of fields, while vacs or sweep nets will be needed to sample within-field adult populations.
-UTC 1 (18), KISS sampler net (88)
-UTC 2 (33), KISS sampler net (222)
-UTC 3 (1), KISS sampler net (54)

Pearsall field-Traps (5 traps per field - transect from edge to center) - # adults
-BG1 (55)
-BG2 (41)
-Oak Tree (58)

Olton field-Traps (5 traps per field - transect from edge to center) - # adults
-Halfway UTC (4)

LRGV leaf samples
-W5: 0 eggs, 2 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). Cultivar 'Atlantic' planted December 28. Admire Pro at planting. Movento @ 5 oz/acre applied 2/6 and 2/19. AgriMek @ 12 oz/acre applied 2/29 and 3/10. Oberon @ 12 oz/acre applied 3/21. ***Data from 10 leaves only - field was devastated by hailstorm 3/29).


-B8: 6 eggs, 5 small nymphs, 0 large nymphs. Cultivar 'FL 1867' planted January 12. Admire Pro at planting. Movento @ 5 oz/acre applied 2/21 and 3/2. Epimek @ 12 oz/acre applied 3/11 and 3/17.

-MAB: 0 eggs, 1 small nymph, 0 large nymphs. Admire Pro at planting. Movento @ 5 oz/acre applied 3/6 and 3/15. Agrimek applied 12 oz/acre applied 3/23.

-UTC1: 14 eggs, 8 small nymphs, 14 large nymphs (50 leaves were sampled from the UTC's).

-UTC2: 3 eggs, 21 small nymphs, 19 large nymphs.

-UTC3: 4 eggs, 10 small nymphs, 16 large nymphs.

Pearsall leaf samples

-BG1: 318 eggs, 285 small nymphs, 169 large nymphs. Cultivar 'Atlantic' planted January 7-8. 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. Fulfill @ 5.5 -oz/acre applied 3/8. Oberon 4SC @ 8 oz/acre applied 3/14. Beleaf @ 2.8 oz/acre applied 3/22. Oberon 4 SC @8 oz/acre applied 3/29.

-BG2: 128 eggs, 160 small nymphs, 1 large nymph. Cultivar 'Atlantic' planted January 11-12. Admire pro @ 8.5 oz/acre at planting. Movento @ 2.5 oz/acre 2/14. Fulfill @ 5.5 oz/acre 2/21. Movento @ 4.5 oz/acre 2/29. Oberon 4 SC @ 8 oz/acre + Agrimek .15 @ 8 oz/acre 3/8. Fulfill @ 5.5 oz/acre 3/8. Oberon @ 8 oz/acre 3/22. Agrimek @ 12 oz/acre 3/27.
-Oak Tree: 0 eggs, 0 small nymphs, 1 large nymph. FL 1867 planted February 1. Macho 2.0 @ 20 oz/acre applied at planting. Movento @ 5 oz/acre applied 3/12 and 3/21. Oberon @ 8 oz/acre applied 3/26 and 4/1.
-UTC1: 20 eggs, 99 small nymphs, 31 large nymphs (25 leaves were sampled from these UTC's).
-UTC2: 12 eggs, 104 small nymphs, 0 large nymphs
-UTC3: 24 eggs, 86 small nymphs, 33 large nymphs

* 775 psyllids that were trapped during the week of March 19-26, 2012 were sent to Dr. Jim Crosslin's lab for Liberibacter determination. Due to the high number of psyllids submitted, a mix of individual and bulk sample testing was done. Positive samples for Liberibacter came from Weslaco UTC2 (6+ of 205) and BG-2 (1/22 or 4.5%). Other samples were negative. 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. Thanks to Dr. Pat Porter for assisting with Olton sampling.

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

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Potato psyllid monitoring report: April 6, 2012

LRGV Large Nymphs (LN)

Mean # LN/leaf

Date

LRGV Adults

Mean # adults/trap

Date
Potato psyllid monitoring report: April 6, 2012

Pearsall eggs

Date

Mean # eggs/leaf

Feb 13, Feb 20, Feb 27, Mar 5, Mar 12, Mar 19, Mar 26, April 2

BG 1
BG 2
Oak Tree
Pearsall UTC 1
Pearsall UTC 2
Pearsall UTC 3

Pearsall small nymphs (SN)

Date

Mean # SN/leaf

Feb 13, Feb 20, Feb 27, Mar 5, Mar 12, Mar 19, Mar 26, April 2

BG 1
BG 2
Oak Tree
Pearsall UTC 1
Pearsall UTC 2
Pearsall UTC 3
Potato psyllid monitoring report: April 6, 2012

Pearsall large nymphs (LN)

Date

Pearsall adults

Date
Potato psyllid monitoring report: April 6, 2012

Numbers of psyllids trapped-Lower Rio Grande Valley trapline

Numbers of psyllids trapped-Pearsall trapline
Potato psyllid monitoring report: April 6, 2012

Numbers of psyllids trapped-Olton trapline

<table>
<thead>
<tr>
<th>Sample date</th>
<th># psyllids</th>
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<tbody>
<tr>
<td>19-Mar</td>
<td>162</td>
<td>0%</td>
</tr>
<tr>
<td>26-Mar</td>
<td>25</td>
<td>0%</td>
</tr>
<tr>
<td>2-Apr</td>
<td>n/a</td>
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