Dear Recipients,

This report covers the week ending March 19, 2012.

Highlights:
* A trapline of 20 yellow sticky traps is now being monitored weekly near Olton, Texas. This week, 162 psyllids were captured on these traps.
  Planting has begun in the Olton/Springlake area of the Texas Panhandle.
* Heavy psyllid pressure is ongoing at Pearsall.

LRGV-Traps (5 traps per field - transect from edge to center) - # adults
-W5 (1)
-W16 (2)
-W18 (2)
-MAB (1)
-B8 (2)
-UTC1 (39)
-UTC2 (32)
-UTC3 (12)

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 (4), KISS sampler net (261)
UTC 2 (3), KISS sampler net (123)
UTC 3 (0), KISS sampler net (31)

Pearsall field-Traps (5 traps per field - transect from edge to center) - # adults
BG1- (22)
BG2- (1)
Oak Tree- (11)

LRGV leaf samples
-W5: 65 eggs, 25 small nymphs, 3 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. Oberon @ 12 oz/acre applied 3/20.
-B8: 17 eggs, 12 small nymphs, 1 large nymph. 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: 5 eggs, 16 small nymphs, 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: 93 eggs, 120 small nymphs, 17 large nymphs (50 leaves were sampled from the UTC's).
-UTC2: 84 eggs, 62 small nymphs, 10 large nymphs.
-UTC3: 98 eggs, 45 small nymphs, 8 large nymphs.

Pearsall leaf samples
BG1: 150 eggs, 249 small nymphs, 29 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.
BG2: 1 egg, 17 small nymphs, 0 large nymphs.
Oak Tree: 22 eggs, 64 small nymphs, 0 large nymphs. FL 1867 planted February 1. Thimet 20-G at 15 lbs/acre applied at planting. Movento applied 3/12 and 3/21.
UTC1: 699 eggs, 189 small nymphs, 73 large nymphs (25 leaves were sampled from these UTC's).
UTC2: 30 eggs, 266 small nymphs, 74 large nymphs
UTC3: 98 eggs, 40 small nymphs, 0 large nymphs

* 6 / 130 (or 4.6 %) of psyllids trapped during the week of March 5-12, 2012 were positive for Liberibacter (6/107 from Weslaco UTC's) - 6/122 (5%) from LRGV and 0/8 (0%) from Pearsall. 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. Also attached are two documents detailing potato psyllid biology and management for Pacific Northwest potato growers (short and long versions). However these are also relevant to growers elsewhere.

Donald C. Henne, Ph.D.
Assistant Professor
Subtropical Pest Management Laboratory
Texas AgriLife Research - Weslaco
2415 E. Highway 83
Weslaco, TX 78596
(956) 969-5634 (office)
(806) 670-8052 (cell)

http://weslaco.tamu.edu/directory/faculty/don-henne/
http://weslaco.tamu.edu/research-programs/entomology/
dchenne@ag.tamu.edu
Potato psyllid monitoring report: March 23, 2012

Numbers of psyllids trapped-Lower Rio Grande Valley trapline

Numbers of psyllids trapped-Pearsall trapline
Potato psyllid monitoring report: March 23, 2012

Numbers of psyllids trapped-Olton trapline

162

# psyllids

% 'hot'

Sample date

19-Mar

n/a