Public Tick IPM Working Group
April 11th, 2018

Please send additions, omissions or other corrections to flaufenberg@ipminstitute.org

The Working Group meets via conference call on the second Wednesday of each month at 1:00PM CT (2:00PM EST). The following notes are for April 11th, 2018.

Roll
- Frank Laufenberg, IPM Institute of North America
- Chuck Lubelczyk, Maine Medical Center
- Monica White, Colorado Tick-Borne Disease Awareness Association
- David Theuret, Arkansas Department of Health
- Mason Kauffman, US BIOLOGIC
- Scott Larson, UW-Madison
- Bieneke Bron, UW-Madison
- Julian Cooper, IPM Institute of North America
- Bob Maurais, Mainely Ticks
- Carolyn Fredette, NH Department of Health and Human Services
- Heather Szerlong, Ticknology
- Tom Simmons, Indiana University of Pennsylvania
- Tom Mather, University of Rhode Island
- Allegra Lowitt, Thermacell Tick Control Tubes
- Abby Mathewson, New Hampshire State Public Health Veterinarian
- Tom Green, IPM Institute of North America
- Raderrio Wilkins, EPA
- Karla Lehtonen, Empire State Lyme Disease Association
- Jennifer Gruener, Warren County Mosquito Control Commission

Agenda
1. Introduction of New working group members
2. New Jersey Mosquito Control Annual Meeting Outcomes
3. IPM Symposium Tick Summit and Capitol Hill Visit Recap
4. Additional updates, comments and announcements from Working Group members

1. New Member Introduction
   a. Allegra Lowitt: works with Thermacell tick control tubes, doing testing to continue to improve the tubes. Interested in ITM.
   b. Heather Szerlong: Fort Collins – Ticknology. Tick bite awareness – tick testing lab. Multiple projects including tick and pathogen surveillance
   c. Carolyn Fredette: Vector borne disease surveillance in NH
2. **New Jersey Mosquito Control Annual Meeting Outcomes**
   a. Frank travelled to the New Jersey Mosquito Control Annual Meeting to discuss the Public Tick IPM Working group and move towards a few of our objectives:
      i. Work with mosquito control district representatives to make use of the established vector control network to implement ITM and enable districts to effectively reduce incidence and cost associated with TBDs in their regions. Produce suitable materials based on needs assessment. Materials will be distributed through working group members and mosquito control networks.
      ii. Meeting to discuss tick control: One of my goals for this meeting was to identify key road blocks for mosquito control districts and other groups that practice mosquito control to include ITM.
         1. Funding and staff time
         2. Public perception and infringing on Pest Professionals work
            a. Control would start in public areas and avoid private areas (which are currently included in mosquito control).
            b. This would not protect people from backyard ticks, or infringe on pest management professionals.
         3. Non-target risk of acaricide is higher than most mosquito applications
         4. Everyone is asked questions about ticks, some have resources for answers. We could help provide this information and ensure it is complete and consistent.
         5. Multiple counties doing passive surveillance from public employees
         6. Monmouth county (Bob Jordan and Andrea Egizi) are the only county doing active surveillance.
         7. Other parties are interested in starting with surveillance for long-term data and use for potential grant submissions (evidence of a need)
            a. Andrea Egizi is working with NE IPM Center and Rutgers to give a one-day tick identification training to other counties
            b. Well received idea to create a GIS portal to enter tick encounters
         8. Tom Green: Tick controls could be higher impact than mosquito controls – is this true? Potentially outreach.
            a. Bifenthrin is also used against mosquitoes as an adulticide vs. larvicide
            b. Adulticide is only active over night for mosquitoes
            c. Tom Simmons: maybe they are also talking about fogging compared to spraying
         9. National Mosquito Control association may be interested in something like this
     10. Some counties not wanting to infringe on private pest control companies
        a. Maybe we should provide some resources to connect Mosquito Control efforts with pest control companies
        b. Potential to limit impacts with targeted applications and technologies
        c. Leads on who else is active surveillance
        d. Universities counties and states
11. North East Mosquito Control commission could be an additional networking opportunity.

12. What can our group do? Provide succinct basic fact sheets for counties to help distribute when questions are asked.
   a. GAP: enough information to put together a decent fact sheet on repellents for ticks, and natural modes of active.
   b. ITM methods
   c. Diseases that certain ticks carry

13. This will fit perfectly with below objective

14. Fact sheets about pesticides and pests would also be relevant to health folks
   a. AMCA and state and regional associations could distribute an article on tick management options.
   b. Brochure or 1-page fact sheet
      i. ITM options
      ii. Tom Mather: science based things
         1. A lot of these methods are still lacking science based methods
         2. Things that are not mentioned are not validated by science
            a. Opening paragraph: if it’s not on here it’s not proven.
      iii. Create an unbiased fact sheet in partnership with the North Central IPM Center focusing on environmental ITM approaches, including the new LymeShield System, Damminix Tick Tubes and others, to be used by working group members to leverage proven control methods, including new host-targeted technology. Fact sheet will include Land Grant University and Connecticut Agricultural Experiment Station data on ITM methods. Distribute weatherproof hard copies to pest management professionals via working group networks and online through the North Central IPM Center.
         1. NEHA
         2. Vector control tool-kits
            a. How could this tool could be best distributed?
            b. Circulation to all congressional folks and senators.

3. IPM Symposium Tick Summit and Capitol Hill Visit Recap
   a. Although we did run into a snowstorm on the day of the Tick Summit, the session was still attended by over 35 people. It was great to meet so many of the people who participate on these calls!
   b. Frank presented the poster, at the IPM Symposium
      i. Frank will add it to our Working Group’s page
         1. Final version sent with notes
   c. Tick Summit
      i. Facilitate a successful Tick Summit at 9th International IPM Symposium and publish outcomes. Facilitate world-class presentations, create and publish detailed notes and recordings of the presentations, create a summary of identified needs and strategies from breakout sessions. Provide summary, notes and presentations on the working group website as key resources.
         1. Frank is going through the recordings to develop notes.
ii. Execute a Capitol Hill visit to provide accurate information about tick-borne disease and IPM to policy makers. Use developed resources, such as the Tick Pest Alert and the updated fact sheet for policy makers, and documents provided by the Entomological Society of America (ESA) from the 2016 ITM Symposium. Follow up by email and phone with policy makers to establish a channel for sharing accurate, up to date tick information.
   1. Meetings and follow up have been executed.
      a. Should I post the one-pager and talking points to our website so others can reference these documents?
   2. Post the talking points and one-pager

ii. IPM Symposium, independent volunteer organized event
   1. 565 people attended
      a. Plenary sessions and 6 concurrent breakouts
   2. Tom Simmons, great to get that update on those studies.

4. Additional updates, comments and announcements from Working Group members
   a. Chuck’s new project for deer herd management --- update?
      a. Offshore island community (swan’s island) off coast of barr harbor
         i. Opted to cull the island, TBD was large factor
         ii. Tick abundance and disease, multi-year project
      b. Initial cull started a week ago on the island
      c. Deer census and local veterinarians to get epidemiological picture
   b. Chuck, question about congressional visits: any sense for federal investing.
      a. He gave the usual line that they are interested in the topic.
      b. From a community based approach for prevention education
         i. If they go to TickEncounter they say they don’t have any money for it.
         ii. County Health in Massachusetts were not willing to invest
            1. Disconnect between need and paying for it
            2. Maybe Mosquito control can help train Pest professionals
            3. Veterinarians seem more interested in being the champions for tick borne diseases
            4. NH veterinary association doesn’t seem to look into this, however vets do talk about how vectors move through pets
               a. Veterinary states for different regions
                  i. Info they can provide as they are talking about tick and flea control.
            5. Tom’s spends time building awareness and seasons of tick activity.
   iii. Scott: The Lonestar tick (multiple life stages) has been found in Wisconsin
      1. Midwest center of excellence is considering creating new maps for their 5 state region.
   iv. Monica: The tick pest alert was not accepted by the public health entomologist—because they insist Lyme is not an issue in Colorado
      1. Ensure the document is relevant to all
v. Get in touch with NCIPMC about moving the Lyme Disease fact down to the Spread of Disease.
   1. Heather Szerlong – also missing American dog tick map
      a. Not sure if there is a better map
   2. Blacklegged and Western blacklegged tick
      a. Tick support could contribute data
vi. Send to working group
   c. Please notify Frank if the Tick Pest Alert has been shared with any new organizations or individuals so we can keep track of its reach!
      a. Here is the link to share: https://www.ncipmc.org/action/alerts/ticks.pdf
   d. If you come across articles that would benefit members of this group feel free to share them by sending an email to the PUBLIC_TICK_IPM_WG@LISTSERV.URI.EDU

These notes are for a Working Group call on April 11th. Future calls will continue to fall on the second Wednesday of each month at 1 PM Central time. Please send Frank updates, announcements or other additions for February’s call.

The Public Tick IPM Working Group is funded by the USDA National Institute of Food and Agriculture, Crop Protection and Pest Management Program through the North Central IPM Center.