



## NY Highlights for NEERA 1604 mtg, 3/19/18

**2017 NYS IPM Conference** – Invasive Species and IPM in NY, July 2017

**2018 NYS IPM Conference** – IPM and Vector Management, May 8, 2018, White Plains, NY

### **Resources produced**

*Profiles of Active Ingredients Eligible for Minimum Risk Pesticide Use*—Profiles on each of the EPA's 25(b)-eligible exempt active ingredients, that include a summary of uses, hazards, and efficacy information. Free.

<https://nysipm.cornell.edu/environment/active-ingredients-eligible-minimum-risk-pesticide-use>

*How to Get Bed Bugs Out of Your Belongings*—Comprehensive 68-page document on handling bed bug infested items. <https://ecommons.cornell.edu/handle/1813/55760>

*IPM Image Gallery*—over 3,500 images with links to management info <https://www.flickr.com/photos/99758165@N06/>

### Apps

-ArcGIS/Collector field crops scouting app developed for use by extension educators to keep track of pests on a field level basis.

-ArcGIS/Survey 123 western bean cutworm app for reporting weekly moth trap counts.

-Sweet corn scouting app, expected release 2018

-Hops scouting app, expected release 2018

### **Community:**

- **Goose IPM:** We partnered with Rochester City Schools to evaluate goose harassment techniques that will move geese away from school athletic fields without lethal or dangerous methods and created a fact sheet about it at: <https://ecommons.cornell.edu/handle/1813/44456>
- **BMPs for school IPM in the Northeast.** <http://www.northeastipm.org/bmps-for-school-ipm/>
- We are part of a project led by Dr. Jenny Kao-Kniffin at Cornell, that is evaluating the effects of **frequent overseeding of athletic fields** for better turfgrass quality.
- **ABCs of School and Child Care Pest Management blog** <https://blogs.cornell.edu/schoolchildcareipm/>
- With Cornell faculty, **involving middle school students and their teachers** in assessing the persistence of native beneficial nematodes on school turf fields.
- Participating in the **Scientific Coalition on Pest Exclusion (SCOPE)**—working group focused on the scientific verification of pest exclusion (commercial and residential) and the promotion of exclusion as a primary tool in integrated pest management.
- Conducting a **Tick Outreach Campaign**, including a tick ID card, tick removal kits, and infographics.
- Researching the **distribution and movements of rats** on the perimeter of food plant facilities.
- Partnered with Dr. Laura Harrington's laboratory to evaluate **distribution of the Asian tiger mosquito**.
- We are a partner in the **Northeast Regional Center of Excellence in Vector Borne Disease**, funded by CDC and housed at Cornell University.

### **Vegetables**

- **Organic efficacy trials:** We continue to test organically-approved pesticides: <https://nysipm.cornell.edu/agriculture/vegetables/organic-resources-vegetables>.
- **Sweet corn pheromone trap network** (<http://sweetcorn.nysipm.cornell.edu>)—weekly summaries of lepidopteran trap catches and recommendations for scouting and thresholds.
- **Late blight:** We help the [usablight.org](http://usablight.org) website, facilitating confirmation of late blight reports, participating in training for the late blight Decision Support System, and creating educational materials.

## Fruit

- **Statewide Spotted wing drosophila trapping:** SWD caught earlier in 2017 than in prior years. Significant infestation occurred in summer raspberry, early blueberry varieties and in tart cherry.
- **SWD blog:** [blogs.cornell.edu/swd1/](https://blogs.cornell.edu/swd1/) 254 subscribers. 42 posts in 2017, focusing on grower alerts.
- **eNEWA daily email alerts** giving results for NEWA grape berry moth and grape diseases decision support tools provided to growers across NY State; they will be surveyed on outcomes.
- **Alternative management strategies for grape rootworm.** Project aimed at basic pest biology, scouting, management strategies using 4 new FIFRA 2(ee) insecticides, as well as biological control using entomopathogenic nematodes. Use of degree days shows promise.
- **European cherry fruit fly:** Fact sheet produced. ECFF caught along the Niagara River in wild and ornamental hosts (*Lonicera* spp. and *Prunus* spp.)
- **13 fact sheets on invasive insects** [nysipm.cornell.edu/agriculture/fruits/invasive-species-exotic-pests](https://nysipm.cornell.edu/agriculture/fruits/invasive-species-exotic-pests).

## Ornamentals

- **Forest pest outreach survey project**—Resource sheets for 25 disease and insect pests, including *Amyntas* (jumping) worms, created. To be posted for free on <https://nysipm.cornell.edu/>
- **Forecasting insect management for nursery and Christmas tree growers:** Growing degree days (GDD) and phenology models being programmed to enter into NEWA.

## Livestock and Field Crops

- **Weekly Field Crop Pest Report blog,** <http://nysipm.cornell.edu/fieldcrops/tag/pestrpt/default.asp>
- **Western Bean Pheromone trapping network:** In 2017, 62 traps caught 35,000 moths. Economic damage occurred to some conventional and Bt hybrids in Northern NY.

## NEWA – Network for Environment and Weather Applications

NEWA is a system of 611 physical weather stations located in 13 member states. Each station sends real time weather data to <http://newa.cornell.edu> where 43 different models, tools, and resources are programmed to provide agricultural insect and disease risk estimates. The website will be rebuilt under a CPPM-ARDP grant.

- **NEWA Coordinator position** created and filled: Dan Olmstead
- **New models and tools** for berries, ornamentals and beets are being programmed into NEWA.

## STAFF

With state agricultural funding restored to pre-recession levels, we hired three new specialists:

- NEWA Coordinator: Dan Olmstead, [dlo6@cornell.edu](mailto:dlo6@cornell.edu)
- Biological Control Specialist (Ag & Community): Amara Dunn, [arc55@cornell.edu](mailto:arc55@cornell.edu)
- Integrated Weed Management Specialist: Bryan Brown, [bryan.brown@cornell.edu](mailto:bryan.brown@cornell.edu)

\*We are still searching for a Field Crops and Livestock Coordinator or Western NY Extension Educator

## FUNDING

The NYS IPM Program had multiple sources of funding in the 2017-2018 fiscal year:

- NYS Dept. of Agriculture and Markets—Ag IPM, \$1,000,000
- NYS Dept. of Environmental Conservation—Community IPM, \$550,000
- USDA-NIFA, CPPM-ARDP—\$285,000 (approx. 45% of this came to NYSIPM)
- NYS Dept. of Health—Tick IPM, \$172,000
- NYS Dept. of Education—Tick IPM, \$28,000
- Various smaller grants