

INTEGRATED PEST MANAGEMENT

Insights



January 2019: Volume 16, Issue 1



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Signature Programs



New National IPM Road Map Sets Priorities for the Science

The latest edition of the National Road Map for Integrated Pest Management was released in September, marking the first significant update to the document since 2013.

The update is the culmination of a year-long review by the Federal Integrated Pest Management Coordinating Committee, incorporating input and edits from the Northeastern IPM Center and the other three regional centers.

The Road Map, first introduced in 2004, is updated at non-fixed intervals, as needed, to reflect the evolving science, practice, and nature of IPM. Its goal is “to increase adoption, implementation, and efficiency of effective, economical, and safe pest-management practices, and to develop new practices where needed.”

Starting from a basic set of definitions and principles that underscore IPM’s core mission of minimizing pest damage, risk, and the evolution of pest resistance, the Road Map lays out a comprehensive set of functional and priority areas that systematically describe and support strategic considerations and goals, reflecting the collaborative and highly interdisciplinary nature of IPM itself.

“The National IPM Road Map is an important policy tool that helps us frame our priorities and maximize the impact we can achieve with the resources at our disposal,” said Deborah Grantham, director of the Northeastern IPM Center. “It provides some guidance as we distribute funding through our Partnership Grants program, maintaining strategic alignment between the Center’s work and the ever-evolving national vision for IPM.”

The Road Map seeks to foster information exchange and coordination among a host of stakeholders, constituencies, and subject-matter experts, including researchers, educators, service providers, and IPM practitioners. It is built on a model of iterative and flexible improvement that acknowledges the continuous evolution of both knowledge and challenges around IPM. This evolution, in turn, necessitates

a dynamic and agile approach to methodologies and implementation. The Road Map provides a framework for documenting and describing current realities, implications, and knowledge of IPM.

“The Road Map underscores how IPM is still highly relevant today in both agricultural and community settings,” said Jennifer Grant, director of the New York State IPM Program. “Whether dealing with bed bugs or spotted lanternfly, IPM’s adaptive framework helps people solve problems. The Road Map helps federal and state agencies, as well as university and extension personnel, to be on the same page with current IPM best practices.”

The Road Map defines, prioritizes, and articulates pest management challenges across many landscapes, and helps identify priorities for IPM research, technology, education, and implementation. In addition to discussing challenges, it identifies and describes IPM focus areas, approaches, and strategies for strengthening research and development, education and communication, implementation and evaluation, and leadership and coordination.

The document also includes several appendices that discuss examples of IPM programs in the context of several federal agricultural and environmental agencies, along with the U.S. Air Force.

This newest version of the National Road Map for Integrated Pest Management is available as a PDF document on the United States Department of Agriculture (USDA) website. View or download the file by visiting <http://neipmc.org/go/YhJR>.

A version of this article originally appeared in the Western IPM Center’s e-newsletter, published by Steve Elliott.



Photo by Nicholas A. Tonelli, CC BY 2.0



Northeastern IPM Center Receives \$4 Million Renewal Grant

Every four years, each of the four regional IPM centers must submit a proposal to the U.S. Department of Agriculture's National Institute of Food and Agriculture and make a case for the work we've done and plan to do for our regions.

It's an open and competitive grant process, and if another university or organization makes a compelling argument that they would be a better host institution, the award to operate a center can change. The centers have been funded this way since 2000, and it's a credit to our work that we continue to receive funding.

Some years ago, the Northeastern IPM Center was a joint proposal between Pennsylvania State University and Cornell University, but the proposal has been through Cornell for several rounds of funding now, and the Center is based there.

We're proud of the vote of confidence signaled by this latest funding renewal, and we're eager to continue our efforts to add value to IPM programs and efforts throughout the Northeast.

Staffing Update

The Northeastern IPM Center has welcomed three new staff members over the last few months, including a new director. Four other staff members are continuing in their roles.

Deborah Grantham, Director

Deborah Grantham assumed the directorship on September 16. She takes over for Mike Hoffmann, executive director of the Cornell Institute for Climate Smart Solutions and professor of entomology, who had served as interim director for much of the previous year.

As director, Grantham will provide strategic leadership for the Center and work closely with its advisory council, state IPM programs, and IPM working groups comprising experts and stakeholders throughout the Northeast.

"I am honored and very excited about assuming the role of director. The Center has a vibrant history, an outstanding staff, and a tremendous network regionally and nationally. I look forward to advancing its mission," said Grantham.

She comes to the Center after 25 years with Cornell Cooperative Extension, most recently as assistant director for environment and natural resources. She has conducted research and spearheaded outreach initiatives that intersect broadly with goals and principles of IPM.

"Integrated pest management crosses disciplines and audiences and encompasses a range of human activities and environments, urban through rural," continued Grantham. "It is imperative that we step outside of our silos and recognize the need to broaden approaches and partnerships. The Northeastern IPM Center is well positioned to promote interdisciplinary collaborations and approaches that serve the region widely and comprehensively."

Grantham holds an MS in geophysics from the University of Connecticut and a BS in geology from the University of Wyoming.

David Lane, Evaluation Specialist

David Lane assists and supports the evaluation of IPM projects. He was formerly a postdoctoral social scientist at the Cornell Institute for Climate Smart Solutions, and his research bolsters understanding of

farmer views and decisions around extreme weather and climate change in the Northeast. In addition, he did outreach, extension, and evaluation as a postdoc. He wrote a book, *Reframing Environmental Problems* (2012), and he is the managing member of Wild Nectar Mead LLC.

Lane holds a PhD in environmental sciences, an EdM (Master of Education) in adult education, a BS in environmental science, and a BA in Spanish from Oregon State University (OSU). His 17 years of teaching experience spans environmental education, Spanish, and English (TESOL) at OSU. Lane's PhD research in



Deborah Grantham, director of the Northeastern IPM Center. Photo by Lindsay France, Cornell Brand Communications.

environmental sciences uses applied linguistics to examine the importance of how we frame environmental problems. His book was based on this research.

Currently, Lane's family owns a diversified farm in King Ferry, NY.

Mike Webb, Communication Specialist

Mike Webb develops and implements communication strategy and manages communication projects. He is an editor and writer with an extensive background in web and digital communications.

Webb comes to us from the SC Johnson College of Business at Cornell University, where he was an editor/writer and project coordinator focusing on web and other digital content. He previously held a similar role at Cornell's School of Hotel Administration, where he also handled media relations and wrote for the dean, until the school was subsumed under the new business college. Before that, he managed communications for Hospicare and Palliative Care Services of Tompkins County. See "Staffing Update" page 3 ▶

Toolbox Webinars

Got an IPM question? Need to know the latest IPM information? The Northeastern IPM Center has the answers with our webinar series, *The IPM Toolbox*. We've asked the experts to join us online for an hour of dialogue about an effective IPM practice, method, or effort.

Following is a list of the *Toolbox* webinars we hosted this past September. We expect to host another series in spring 2019.

Visit <http://neipmc.org/go/toolbox-archive> to peruse and view recordings of past webinars.

To be notified of upcoming webinars, subscribe to our e-list by sending an email to northeastipm@cornell.edu.

Planting wildflowers for pollinator habitat

Cathy Neal

Extension Professor and Landscape Horticulture Specialist, UNH Cooperative Extension
Researcher, New Hampshire Agricultural Experiment Station, University of New Hampshire

What you need to know about the spotted lanternfly, a new invasive insect

Julie Urban

Senior Research Associate, Department of Entomology, Pennsylvania State University

Heather Leach

Spotted Lanternfly Extension Associate, Department of Entomology, Pennsylvania State University

Dave Jackson

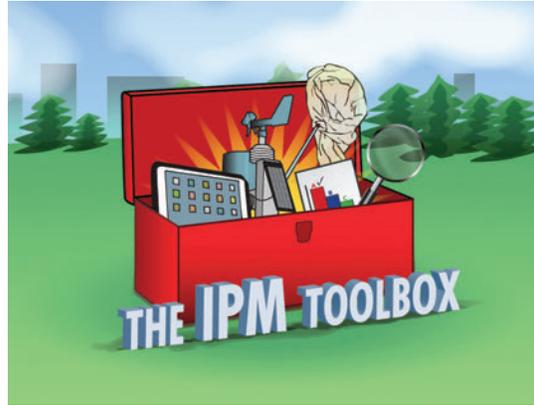
Extension Educator, Forest Resources, Penn State Cooperative Extension

Staffing Update (continued from page 2)

A lifelong Cornellian, Webb holds a BS in communication and a minor in information science from the university. He is a native of the area, having grown up in nearby Binghamton. After college, he spent seven years in the San Francisco Bay Area, honing his professional identity in and around Silicon Valley, before returning to Ithaca in 2010.

Continuing Staff

Nancy Cusumano, program/extension aide, plans for and meets the administrative needs of the Center's staff.



Cornell's Climate Smart Farming program: decision tools and practices

Allison Morrill Chatrchyan

Director, Cornell Institute for Climate Smart Solutions
Senior Research Associate, Departments of Development Sociology and Earth and Atmospheric Sciences, Cornell University

Pest management in no-till corn silage systems—with an introduction to NE SARE funding programs and resources

John Tooker

Associate Professor of Entomology, Pennsylvania State University

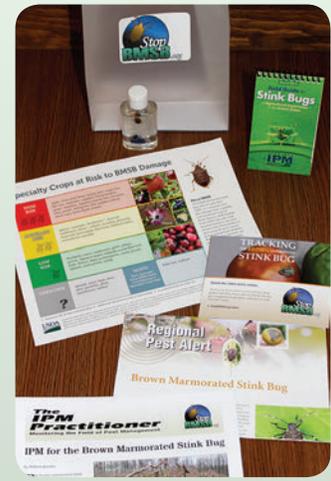
Debra Heleba

Regional Communications Specialist, Northeast Sustainable Agriculture Research and Education Program

Jana Hexter, grants and partnerships coordinator, manages all aspects of Center grants and proposals and coordinates the Center's Partnership Grants program while monitoring progress and expenditures.

Kevin Judd, web administrator, maintains the Center's website and is tasked with improving its design and functionality and managing databases.

Susannah Reese, program coordinator, coordinates the interagency effort on IPM training in Public Housing Authorities.



Stink Bug Identification Kits Are Available

When you first encounter what appears to be a brown marmorated stink bug (BMSB), you might be wondering whether it's the genuine article or an otherwise-innocent, similar-looking species.

To aid in accurate identification and education, the Northeastern IPM Center offers BMSB identification kits, free of charge.

The BMSB identification kit includes:

- BMSB specimen in a bottle
- Stink bug ID guide (*Field Guide to Stink Bugs of Agricultural Importance in the United States*, 44 pages, illustrated)
- BMSB regional pest alert
- "Specialty Crops at Risk to BMSB Damage" chart
- *Tracking the Brown Marmorated Stink Bug* postcard with link to video series on YouTube and StopBMSB.org
- "IPM for the BMSB" reprint from the *IPM Practitioner*, eight-page full-color article
- Handy StopBMSB.org carry-along bag

While the kits are free of charge, we do ask that you pay for shipping if you are requesting five or more kits.

To request a kit, visit <http://stopbmsb.org/go/kits> and fill out our web form.

Upcoming Spotted Lanternfly Webinars

A new IPM working group was formed recently to address the threat posed by the spotted lanternfly (SLF, Latin name *Lycorma delicatula*), an invasive plant hopper native to China, Vietnam, and India. The first working group meeting was held in July 2018 at Albright College in Reading, PA.



Adult spotted lanternfly. Photo by Lawrence Barringer, Pennsylvania Department of Agriculture, Bugwood.org

SLF poses a threat to forests as well as to the agriculture and tourism industries. The presence of the pest in the U.S. was confirmed in Pennsylvania in September 2014, and it has since been found in New Jersey, Delaware, Virginia, and New York. It is known to feed on 70 species of plants in both agricultural and urban settings throughout the northeastern United States.

SLF is an excellent hitchhiker and moves primarily through human activities, giving it the potential to show up anywhere in the United States. Quarantine is one tactic used to limit the pest's spread. Pennsylvania has a 13-county quarantine in place, restricting outgoing shipments, and New York is employing an external quarantine, with the New York State Department of Agriculture and Markets inspecting vehicles entering from Pennsylvania via major highways.

In conjunction with the New York State IPM Program and the Department of Agriculture and Markets, the Northeastern IPM Center will host a collection of SLF webinars, titled "Spotted Lanternfly Basics," in the coming months. While the content may be relevant to audiences throughout the Northeast, management practices covered will be specific to New York.

Each webinar will focus on, and be tailored to, a specific commodity group: grape and apple industries; nursery, greenhouse, and landscape industries; hops, berry, and vegetable growers; and Christmas tree growers.

All will follow a similar format that covers SLF biology, identification, and hosts, monitoring and management strategies, and a regulatory update. Participants will be encouraged to ask questions.

More information, including dates, times, and registration information, will be posted on our website at <http://neipmc.org/go/mYey>.

Credits

IPM Insights: Deb Grantham, Director; Mike Webb, Editor; Kevin Judd, Designer
Northeastern IPM Center: Nancy Cusumano, Deb Grantham, Jana Hexter, Kevin Judd, David Lane, Susannah Reese, Mike Webb



The Northeastern IPM Center is supported by the National Institute of Food and Agriculture, Crop Protection and Pest Management, Regional Coordination Program, Grant #2014-70006-22484. Printed on recycled paper. 4.5M. 1/19.



Spotted lanternfly nymphs turn red before becoming adults. Photo by Lawrence Barringer, Pennsylvania Department of Agriculture, Bugwood.org