Managing Neonicotinoids in Row Crops Webinar Series

This series is to educate policy-makers, farmers and educators on the role of neonicotinoids in managing pests and how best to minimize impacts on the surrounding environment. You will hear from educators, researchers, and state agencies as we navigate this important topic.

All webinar session times, except 12/18, are from 12:00 p.m. to 1:00 p.m.

Tue, December 12: Intro to Agricultural Innovation Board (AIB) and their work
Steve Dwinell, VT Agency of Agriculture, Food and Markets. **CEU PD 1 credit**.

Thu, December 14: Neonicotinoids and Pollinators
Samantha Alger, University of Vermont. **CEU IPM 1 credit. 1 PAT credit.**

Fri, December 15: Using No-Till, Cover Crops, and IPM to Control Insects and Slugs
John Tooker, PENN State. **CEU IPM 1 credit. 1 PAT credit.**

Mon, December 18: Integrated Management Strategy for Seed Corn Maggot in New York
12pm to 1:30pm to include three speakers from Cornell University. Ken Wise, Dr. Alejandro Calixto, and Dr. Katja Poveda. **CEU IPM 1.5 credits. 1 PAT credit.**

Wed, December 20: Reducing Bee Exposure to Insecticidal Corn Seed Treatment Dust
Reed Johnson, Ohio State University. **CEU CM 1 credit. 1 PAT credit.**

Th, December 21: Questions and Feedback. Provide Valuable Feedback to the VAAFM to Inform Regulation on Neonics
Steve Dwinell, VAAFM and Heather Darby, UVM. **CEU PD 1 credit.**

SEPARATE EVENT - Fri, December 15, 1:00pm to 2:00pm. Virtual FieldWatch Information Session: Promoting Stewardship in Agriculture and Section 5.04 Compliance in Vermont **(view flyer)**. Please pre-register at: https://go.uvm.edu/fieldwatch to receive an email with link to join webinar.

Pesticide Applicator (PAT) and Certified Crop Adviser CEU credits available.

FREE EVENTS

Pre-registration for the Neonicotinoid events is **required**. To register, please have this flyer on hand to view dates and topics, and go online to— https://bit.ly/3QKw9v3

Or contact Susan Brouillette at **susan.brouillette@uvm.edu or 802-524-6501**

USDA National Institute of Food and Agriculture
U.S. DEPARTMENT OF AGRICULTURE

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NORTHWEST CROPS & SOILS PROGRAM
THE UNIVERSITY OF VERMONT EXTENSION

CULTIVATING HEALTHY COMMUNITIES

Additional funding provided by USDA RMA under award number RM18RMETS524C022 . Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. University of Vermont Extension, Burlington, Vermont. University of Vermont Extension, and U.S. Department of Agriculture, cooperating, offer education and employment to everyone without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or familial status. Any reference to commercial products, trade names, or brand names is for information only, and no endorsement or approval is intended.

COLLEGE OF AGRICULTURE AND LIFE SCIENCES

Managing Neonicotinoids in Row Crops Webinar Series

Introduction to Agricultural Innovation Board (AIB) and their work. Neonics, what are they and why do we use them, chemistry, use in VT, etc.

Tuesday, December 12, 12:00-1:00 p.m.

Steven Dwinell will share information on the Agricultural Innovation Board and their work. Neonics, in general, will be discussed as well. **CEU PD 1 credit.**

Steven Dwinell was appointed Director of Public Health and Agricultural Management at VAAFM at the end of September 2022. Steve previously worked for the Florida Department of Agriculture and Consumer Services (FDACS) in the pesticide regulatory program. Over his career, Steve has worked in the environmental consulting industry, served as Chief of the FDACS Bureau of Entomology and Pest Control, Assistant Director of the FDACS Division of Agricultural Environmental Services, and Director of the FDACS Office of Agricultural Water Policy. He was also a Quality Assurance Manager for Rollins, Inc. from 2018 to 2022. Steve has a Masters in Agricultural Entomology from the University of Florida and is a Board-Certified Entomologist.

Neonicotinoids and Pollinators

Thursday, December 14, 12:00-1:00 p.m.

In this presentation, Dr. Samantha Alger will discuss how pollinators become exposed to neonicotinoids and their impacts. She will also share the results of pesticide monitoring efforts in Vermont and the biological significance of these data. **CEU IPM 1 credit. 1 PAT credit.**

Dr. Samantha Alger is a Research Assistant Professor in the Plant and Soil Science Department at the University of Vermont (UVM). Her research aims to improve the health of both managed and wild pollinators through research, education and outreach. At UVM, she conducts research on bee disease, teaches introductory beekeeping courses, and directs the Vermont Bee Lab, a lab that offers disease diagnostic services for Vermont beekeepers.

Using No-Till, Cover Crops, and IPM to Control Insects and Slugs

Friday, December 15, 12:00-1:00 p.m.

In this presentation, Dr. John Tooker will focus on no-till, cover crops, and integrated pest management (IPM) as a solution to pest problems. He will also touch on the non-target effects of neonics and other preventative insecticides. **CEU IPM 1 credit. 1 PAT credit.**

Dr. John Tooker is a Professor of Entomology at PENN State College of Agricultural Sciences and is also the State IPM Coordinator and Director of the Pennsylvania IPM program. His areas of expertise include insect ecology, plant-insect interactions, conservation biological control, chemical ecology, and gall insects. John received both his Ph.D. and M.S. at the University of Illinois at Urbana-Champaign.

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Integrated Management Strategy for Seed Corn Maggot in New York

Monday, December 18, 12:00-1:30 p.m.

The Cornell University Integrated Pest Management Team will share recent research on strategies to manage seed corn maggot in row crops. **CEU IPM 1.5 credits. 1 PAT credit.**

Ken Wise is a Senior Extension Associate with the New York State Integrated Pest Management program at Cornell University. He provides leadership in applied research and innovative educational programs in integrated pest management for organic and conventional dairy, livestock and field crops producers in New York State. Ken earned his M.S. in Entomology at the University of Idaho.

Dr. Alejandro Calixto is the Director of the NYS Integrated Pest Management Program and leads a team of entomologists, educators, and extension specialists in pioneering ecologically resilient pest management practices that lead to safer farms, homes, schools, and communities. Alejandro earned both his Ph.D. and M.S. in Entomology at Texas A&M University.

Dr. Katja Poveda is an Associate Professor in the Department of Entomology at Cornell University. Her research focuses on the ecology of plant-insect interactions in agricultural systems and their interface with natural systems.

Reducing Bee Exposure to Insecticidal Corn Seed Treatment Dust

Wednesday, December 20, 12:00-1:00 p.m.

Dr. Johnson will discuss his research to minimize the impact of corn seed treatment dust on bees. Most corn seed planted in the US is coated with a seed treatment that includes an insecticide. Some bee-keepers have observed the death of bees in their colonies around the time corn is planted through the bees' exposure to insecticidal dust that is generated as the seeds move through the planter. There have been a number of approaches to mitigating the exposure of bees to insecticidal planter dust proposed, including suggested best practices for farmers and beekeepers, but it is not clear whether any of these are truly effective. **CEU CM 1 credit. 1 PAT credit.**

Reed M. Johnson, PhD. Reed got his start in research beekeeping as an undergraduate research assistant at the University of Montana. He went on to receive a Ph.D. in Entomology from the University of Illinois at Urbana-Champaign where he was involved in the honey bee genome project. Reed is currently an Associate Professor in the Department of Entomology at The Ohio State University in Wooster, Ohio where he teaches two courses: one on beekeeping and the other on pesticide science. His research focuses on determining how bees are exposed to pesticides and the effects that pesticides have on the health of honey bees, with the larger goal of promoting bee health in the context of modern agriculture.

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Questions and Feedback. Provide Valuable Feedback to the VAAFM to Inform Regulation on Neonics

Thursday, December 21, 12:00-1:00 p.m.

This session will provide time for agricultural stakeholders to provide feedback and comments on Neonics. Please come prepared to discuss options and strategies to reduce our reliance on neonicotinoids. Session hosts include Steven Dwinell, VAAFM and Heather Darby, UVM. **CEU PD 1 credit.**

SEPARATE EVENT -

Virtual FieldWatch Information Session: Promoting Stewardship in Agriculture and Section 5.04 Compliance in Vermont **(view flyer)**.

Friday, December 15, 1:00pm to 2:00pm. Please pre-register at: https://go.uvm.edu/fieldwatch to receive an email with link to join webinar.

Do you want to learn how crop producers, pesticide applicators, and beekeepers can work together to reduce accidental pesticide exposure to honey bees and sensitive crops? Join the Vermont Bee Lab and UVM Extension to learn about FieldWatch– a free-to-use mapping tool that can enable easy communication and collaboration as required by Vermont's new rule for the Protection of Bees. We will introduce the different FieldWatch registries, including DriftWatch, BeeCheck, and CropCheck, and request feedback. Your interest and engagement will determine whether we move forward with this program in Vermont!

This program qualifies for 1.0 Vermont pesticide recertification credit.

In order to receive credits, you must log in individually with your Pesticide Applicator ID Number (entered at registration). You must be logged in by 12:50am, remain logged in for the duration of the program, and complete the survey provided at the end of the session. If you are watching with someone else and you both want credit, you will need to each have a device logged in and each complete the survey separately.

Please pre-register at: https://go.uvm.edu/fieldwatch to receive an email with link to join webinar. Contact Sydney Miller at vbl@uvm.edu for more information.

To request a disability related accommodation to participate in this program, please contact Susan Brouillette at the information above or 1-800-639-2130 *by December 1 so we may assist you.*

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