

2014 Integrated Pest Management Academy

February 18-19, Okemos Conference Center, Okemos, Mich.



Register today at
<http://bit.ly/ipm-academy14>

or call Betsy Braid
(517-884-7081)

The registration fee of \$225 includes reference materials, snacks, lunch and parking. Special rates for lodging are available.

Questions? Contact
Betsy Braid at
braidbet@msu.edu

Join us for this two-day workshop that will prepare growers, consultants and public sector employees to better understand integrated pest management (IPM) strategies, identify pest insects and diseases, recognize beneficial insects, and adopt an integrated and informed approach to pest management. The program is designed for people working in a new cropping area or those interested in brushing up on their IPM skills. Private and Commercial Core credits for Michigan pesticide applicators will be available.

The first day of the program will cover fundamental topics including: IPM strategies for disease and insect control; promoting and protecting pollinators; alternative weed control strategies; pesticide basics; the impacts of weather on pesticides; invasive pests; and IPM resources from MSU. **On the second day** of the workshop participants opt into two, half-day sessions focused on the topic of their choice.

Day Two Morning Options

1) *Soil health: What is it, Why is it Important, and How Can it be Managed?*

Soil is one of the most important but often ignored components of successful plant production. Understanding the importance of soil management and how soil interacts with nutrients, water and pesticides will be explored at this session. Attendees are encouraged

to bring soil test results to get a personal recommendation for their site and crops. This a cross commodity session.

2) *Landscape Design and IPM: Getting it Right from the Start*

Many landscape plant problems are rooted in poor design or poor plant selection. This session will feature a discussion on landscape design, placement and selection of ornamental plants and their implications when dealing with pest management in landscapes. This session may be of interest to landscape professionals or backyard enthusiasts.

3) *Stewardship of Pesticides in Michigan Field Crops*

Farmers use many tools to manage weeds, insects and diseases in their cropping systems. Still, chemical controls are often favored for their ability to provide efficient and effective crop protection. This session will offer an overview of the many pesticide options available to field crop producers, discuss their modes of action and highlight management strategies that can limit development of pesticide resistance as well as practices to manage pest populations that already exhibit resistance.

4) *Hops: Getting Started*

The morning hop session will cover an introduction to hops, soils and site selection, understanding soil and tissue testing, variety selection, trellising, irrigation and establishment costs.

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Day Two Afternoon Options

1) *Hop Management*

The afternoon hop session will cover planting and training hops, fertilizer and nutrient requirements, common insect mite and disease problems, scouting for insects and diseases, weed management, and harvesting and processing hops.

2) *Ecologically-Based Fruit Pest Management*

Growing fruit can be an input intensive, challenging endeavor. Session participants will learn about ecologically sound preventative pest actions, pest management approaches, and horticultural practices that can help lessen the challenge of growing fruit.

3) *Managing Pests in Diverse Vegetable Rotations*

Michigan growers produce a wide diversity of vegetables at many different scales, which are challenged by a sometimes overwhelming diversity of insect, disease and weed pests. This session aims to introduce conventional and organic growers to an integrated set of control tactics—including cultural,

chemical, mechanical and biological approaches—that can be used to manage pests in an economically and environmentally sound way.

4) *Solving the Puzzle: IPM Planning and Implementation for Real-world Field Crop Production*

Integrated pest management makes sense on paper, but how do you fit this broad philosophy into a real-world cropping system? In this session we will discuss how to develop a farm IPM plan that encourages pest management decisions that focus on maintaining efficiency and maximizing profitability. In addition, a panel of farmers will share with participants how they have successfully incorporated IPM principles into their farm plans.

5) *Emerging Pest Problems of Michigan Landscapes*

New or invasive pests can cause significant economic and ecological damage. This session will review current and potential pest problems to Michigan landscapes such as oak wilt, hemlock woolly adelgid, thousand canker disease, Asian longhorn beetle and more.

When the Academy is over, get in-season IPM advice and general farming recommendations from Michigan State University Extension under the agriculture section at:

www.msue.msu.edu

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