

UConn IPM Program Areas

Diagnostic Lab

The lab helps growers and home gardeners better manage plant health issues. Lab services include pest and plant identification, plant disease & insect diagnosis, and management recommendations. Submit photos or physical plant samples.



Fruit

The Fruit IPM Program utilizes a proactive, holistic approach to pest management. The program works to increase knowledge and utilization of the latest IPM techniques, including cultural practices, alternative pest management tools, understanding pest and beneficial life cycles, impacts of a changing environment, and more.



Strawberries in bloom. Photo by M. Concklin

Greenhouse

More greenhouse growers are interested in using biological controls (beneficial insects, mites, nematodes, and fungi) to help manage pests and diseases. It's a complex system, so a long learning curve is common. Using biological controls, growers report improved plant quality and better safety for workers and the environment.



Release of lady bird beetles. Photo by L. Pundt

Invasive Species

Invasive species are plants and animals that are non-native to Connecticut and cause environmental harm. The establishment and spread of invasive plants decreases biological diversity and ultimately impacts the value of natural areas, including wetlands, woodlands, and meadows.



Bittersweet. Photo by A. Siegel-Miles

Nursery

The Nursery IPM Program offers training programs for staff of wholesale and retail commercial nurseries and garden centers. Information is provided on key horticultural pests of annuals, perennials, trees, and shrubs to improve plant health.



School

The Connecticut School IPM Coalition supports Connecticut municipal and school turf and grounds managers that care for and maintain properties using IPM turf care protocols and/or pesticide-free management.



Photo by D. Ellis

Turf & Landscape

IPM work in turf and landscape covers the development of and education on alternative pest management tools for ornamental plant and turfgrass pests. Research projects have examined the use of low-maintenance turfgrasses and biological control options for the landscape.



Photo by V. Wallace

Vegetables

The Vegetable IPM Program interacts with commercial vegetable growers to co-create knowledge and disseminate research-based information to find sustainable solutions to pest problems.



Cole crops on white biodegradable plastic mulch at Gresczyk Farms. Photo by S. Ghimire

Pesticide Safety

The Pesticide Safety Education Program educates and trains individuals about the safe use and handling of pesticides. Programs for the recertification of applicators provide updates of core components of pesticide safety and pesticide regulations. The objective is to ensure the protection of public health, the environment, and applicators themselves.



Pollinators

The UConn Pollinator Program includes a biennial *Native Plants & Pollinators Conference* featuring current science-based research and information on supporting pollinators in managed landscapes.



Monarch butterfly. Photo by V. Wallace

IPM Curriculum

The IPM curriculum for grades K-8 combines science, math and language arts to solve environmental and human health concerns. The interactive lessons and supplemental resource materials enable participants to make environmentally sound, economically smart pest management decisions.



What is IPM?

Integrated Pest Management (IPM) is a sustainable approach to managing pests, including insects, weeds, and diseases. IPM practitioners base management decisions on information that is collected systematically to integrate biological, economic, environmental, and social goals. IPM can be used within the context of both agricultural and urban environments and is flexible enough to accommodate the changing demands of agriculture, commerce, and society.

IPM employs multiple tactics, including:

- Cultural control
- Mechanical and physical control
- Host plant resistance
- Biological control
- Chemical control
- Regulatory control

What does UConn IPM Include?

- On-site training and consultations
- Email and website pest & production alerts
- Newsletters, webinars, and fact sheets
- Pest & crop management recommendations
- Conferences
- Educational programs and workshops
- Applied research projects
- Field demonstrations
- Pest identification
- Email and phone consultations
- Diagnostic lab services

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Evaluation

Take a moment to answer a one question IPM survey:

s.uconn.edu/IPMimpact



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Integrated Pest Management



Photo by L. Pundt

www.ipm.uconn.edu