



In-Person Location:

Utah State University
Biology & Natural Resources Building (Classroom 113)
5305 Old Main Hill | Logan, UT 84322

Virtual Participation:

<https://usu-edu.zoom.us/j/89073461641?pwd=cDZ4TEJlTUVVQUZuV1p0emQrYWJsUT09>
passcode: pests!

Class Schedule:

- Thursday, January 11, 2024 (6:00 pm) | **Applying Integrated Pest Management**
- Thursday, January 18, 2024 (6:00 pm) | **Disease Diagnosis and Management**
- Thursday, January 25, 2024 (6:00 pm) | **Insect Identification and Management**

Class Overview: Become an expert at identifying problems in your home garden this upcoming season. This 3-part class will cover vegetable insect and plant disease identification and concepts of integrated pest management (IPM). These skills will allow you to grow healthier, more vibrant plants while minimizing the need for pesticides.

Class Objectives:

- I can apply integrated pest management (cultural, mechanical, and biological pest management practices) for sustainable gardening.
- I can identify vegetable diseases caused by fungi, bacteria, or viruses and am able to effectively monitor for and manage them.
- I can identify insect pests of vegetables and am able to effectively monitor for and manage them.

Supplemental Learning

The activities below are optional for you to complete in your own time. The videos and readings provide more in-depth information on specific topics to supplement what is overviewed in class.

Applying Integrated Pest Management (Thur, 11-Jan)

- **Read:** [The Integrated Pest Management \(IPM\) Concept](#)
- **Read:** [Important Components of a Successful Pest Management Program](#)
- **Read:** [Integrated Pest and Pollinator Management](#)
- **Watch:** [Companion Planting and Trap Cropping](#)
- **Watch:** [Crop Rotation in the Home Garden](#)
- **Watch:** [How to Make Row Covers to Protect Your Plants from Pests](#)
- **Watch:** [Using Row Covers for Pest Control](#)
- **Watch:** [Beneficial Insects: Beetles + True Bugs](#)
- **Watch:** [Beneficial Insects: Flies + Wasps](#)

- **Read:** [Gardening for Native Bees in Utah and Beyond](#)
- **Read:** [Landscape and Garden Weed Control](#)

Disease Diagnosis and Management (Thur, 18-Jan)

- **Read:** [Powdery Mildew on Vegetables](#)
- **Read:** [Fusarium and Verticillium Wilts of Vegetables](#)
- **Read:** [Vegetable Diseases in Utah](#)
- **Read:** Abiotic Problems of Tomatoes
- **Watch:** [Bacterial Diseases of Vegetables](#)

Insect Identification and Management (Thur, 25-Jan)

- **Watch:** [Insect Pest Identification](#)
- **Watch:** [How to Scout your Garden for Pests](#)
- **Watch:** [Overview of the Utah Plant Pest Diagnostic Lab](#)
- **Read:** [Aphid Pests on Vegetables](#)
- **Watch:** [Grasshopper Overview and Management](#)
- **Watch:** [Squash Bug Management](#)
- **Read:** [Squash Bugs](#)

FAQ

Will class recordings be available if I am unable to attend some or all the classes?

Yes- All three classes will be recorded and available upon request.

Can I attend just one of the three classes?

We encourage individuals to participate in all three classes to maximize learning, but participation in a single class is allowed.

Where is the Biology & Natural Resources Building on the Utah State University campus?

Reference the [USU Campus Map](#) and search “Biology and Natural Resources”

Where can I park to access the Biology & Natural Resources Building?

Reference [USU’s Visitor Parking webpage](#) for information, and be aware of times, locations, and fees.

Can I earn CEU credits to go toward my pesticide applicator license through the Utah Department of Agriculture and Food?

Yes- Let the instructor know if you are interested in CEU credit, and we will provide the certificate.

Is there homework?

There are optional homework activities aimed to supplement your learning on topics in the class.

How long are the classes?

The classes will range 1.5-2 hours each.

Class Instructors

- **Nick Volesky | USU Extension IPM Program Associate**
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- **Mair Murray | USU Extension IPM Specialist**
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