



## 2021 30 HOUR PESTICIDE CERTIFICATION COURSE Categories 3a, 3b, 25

All classes will be online via Zoom. Please note days and times.

Professional training for Arborists, Garden Retail, Lawn, Landscape and Nursery Professionals.

**Morning Classes:** 9 AM - 12:15 PM (A 15-minute break taken halfway through each session)

**NOTE:** Thursday, February 4<sup>th</sup> will have both morning and afternoon classes (9 AM – 12:15 PM & 1:15 PM – 4:30 PM)

Lunch break - 12:15 PM - 1:15 PM

**NO CLASS FRIDAY 2/5**

| Session | Date/Time                  | Topic  | Credits  |
|---------|----------------------------|--|--|
| 1       | Thursday<br>2/4<br>9:00 AM | <b>Pesticide CORE Competency I</b> – Mike Helms, <i>Pesticide Management Education Program (PMEP), Cornell University</i> . Pesticide types, formulations, toxicity, and environmental considerations of pesticide use, calibration, mixing calculations, and application equipment.   | <ul style="list-style-type: none"> <li>• Core - 3</li> <li>• CNLP - 3</li> <li>• Arborist - see below</li> </ul>       |
| 2       | Thursday<br>2/4<br>1:15 PM | <b>Pesticide CORE Competency II</b> – Mike Helms, <i>Pesticide Management Education Program (PMEP) Cornell University</i> . Covers pesticide security including proper transportation, storage, and disposal, safety precaution issues including poisoning symptoms, residue, and tolerance. Fundamental concepts of Integrated Pest Management (IPM) will be presented. | <ul style="list-style-type: none"> <li>• Core - 3</li> <li>• CNLP - 3</li> <li>• Arborist - see below</li> </ul>       |
| 3       | Monday<br>2/8<br>9:00 AM   | <b>DEC Rules and Regulations, Updates</b> – Chris Wainwright, <i>NYS DEC</i> . Rules and regulations required to become a certified pesticide applicator, detailed look at the requirements for record keeping and reporting. Questions asked and information required at on-site inspection explained.  | <ul style="list-style-type: none"> <li>• Core - 3</li> <li>• CNLP - 3</li> <li>• Arborist - see below</li> </ul>       |
| 4       | Tuesday<br>2/9<br>9:00 AM  | <b>Ornamental Plant Pathology</b> – Brian Eshenaur, <i>NYS IPM, Ornamentals Educator</i> . This session covers the types of plant diseases seen in our landscapes and gardens. Focuses on understanding the fungal, bacterial, and viral pathogens causing diseases. Various methods discussed for management of plant diseases.   | <ul style="list-style-type: none"> <li>• 3a, 3b, 25 - 3</li> <li>• CNLP - 3</li> <li>• Arborist - see below</li> </ul> |

|    |                              |   |  |
|----|------------------------------|---|--|
| 5  | Wednesday<br>2/10<br>9:00 AM | <b>Intro to Turfgrass and Their Diseases</b> – <i>Walter Nelson, Horticulturist, Retired, CCE-Monroe.</i><br>How to grow healthy turf and linking expectations about lawn quality combined with learning about various turf diseases will be discussed. Covers IPM approach to managing diseases and keeping turf healthy.  | <ul style="list-style-type: none"> <li>• 3a, 25 - 3</li> <li>• CNLP - 3</li> </ul>   |
| 6  | Thursday<br>2/11<br>9:00 AM  | <b>Applied Ornamental Hort Entomology</b> – <i>Liz Berkeley, CCE-Monroe Diagnostic Clinic.</i><br>Correct identification of insect pests is a prerequisite to developing a management plan. Participants will gain an understanding of insect identification, lifecycles, feeding patterns, and damage to landscape ornamental plants along with cultural, alternative, and traditional management options.   | <ul style="list-style-type: none"> <li>• 3a, 3b, 25 - 3</li> <li>• CNLP - 3</li> <li>• Arborist - see below</li> </ul>                     |
| 7  | Friday<br>2/12<br>9:00 AM    | <b>9:00 AM - An In-Depth Look at IPM</b> – <i>Marci Muller, CCE-Monroe Horticulture Team Leader.</i><br>Understand the 6 steps of IPM and techniques for monitoring, identification of the pest, the biology, thresholds, control options, and evaluation.  | <ul style="list-style-type: none"> <li>• Core, 3a, 25 - 1</li> <li>• CNLP - 1</li> <li>• Arborist – IPM session only, see below</li> </ul> |
|    |                              | <b>10:15 AM - Turfgrass Pests</b> – <i>Liz Berkeley, CCE-Monroe Diagnostic Clinic.</i> Participants gain an understanding of turf insects and management through: scouting, monitoring, traditional & alternative control options.  | <ul style="list-style-type: none"> <li>• 3a - 2</li> <li>• CNLP - 2</li> </ul>   |
| 8  | Monday<br>2/15<br>9:00 AM    | <b>9:00 AM - Critters in the Landscape</b> – <i>Paul Curtis, Dept. of Natural Resources, Cornell University.</i><br>Covers the legal framework and management of damage caused by wildlife in lawn and landscapes. Cultural practices, pesticide use, and other management techniques will be discussed.  | <ul style="list-style-type: none"> <li>• 3a, 3b, 25 - 2</li> <li>• CNLP - 2</li> </ul>   |
|    |                              | <b>11:15 AM - Personal Protective Equipment &amp; Interpreting Pesticide and Fertilizer Labels</b> – <i>Mike Stanyard, Cornell University NWNY Dairy, Livestock and Field Crops Team.</i><br>Personal safety is key when using pesticides. This session describes what is and what is not appropriate for use. Reading a label correctly is critical both to making an effective application and to protect people and the environment by preventing misuse of product. | <ul style="list-style-type: none"> <li>• Core - 1</li> <li>• CNLP - 1</li> <li>• Arborist - PPE session only, see below</li> </ul>         |
| 9  | Tuesday<br>2/16<br>9:00 AM   | <b>Water Quality: Ecology and Environmental Considerations of Pesticides and Fertilizers</b> - <i>Andy Sansone, Monroe County DES.</i> Explore the route contaminants take through the local storm water system. Learn about pollutant monitoring in our waterways, EPA rules and regulations concerning storm water and water quality, and local solutions for pesticide and nutrient pollution in our water.  | <ul style="list-style-type: none"> <li>• Core - 3</li> </ul>   |
| 10 | Wednesday<br>2/17<br>9:00 AM | <b>Weeds of the Landscape</b> - <i>Liz Berkeley, CCE-Monroe Diagnostic Clinic.</i> Weed identification is key to creating a management plan. Attendees will be instructed how to identify common and invasive weeds. Cultural and pesticide management options will be covered.   | <ul style="list-style-type: none"> <li>• 3a, 3b, 25 - 3</li> <li>• CNLP - 3</li> </ul>   |

## Approved ISA CEU's and Categories

| Session | Date | Session Name   | # CEU's | Categories  |
|---------|------|--|---------|---|
| 1       | 2/4  | Pesticide Core Comp 1  | 3       | Certified, Municipal Specialist, BCMA - Management                                |
| 2       | 2/4  | Pesticide Core Comp 2  | 3       | Certified, Municipal Specialist, BCMA - Management                                |
| 3       | 2/8  | DEC Rules & Regulations  | 3       | Certified, Municipal Specialist, BCMA – Management                                |
| 4       | 2/9  | Ornamental Plant Pathology   | 3       | Certified, TW Climber Specialist, TW Aerial Lift Specialist, Municipal Specialist |
|         |      |  | 1.5     | BCMA – Science, BCMA - Practice   |
| 6       | 2/11 | Applied Ornamental Horticulture Entomology   | 3       | Certified, TW Climber Specialist, TW Aerial Lift Specialist, Municipal Specialist |
|         |      |  | 1.5     | BCMA – Science, BCMA - Practice   |
| 7       | 2/12 | An In Depth Look at IPM<br>(9AM – 11 AM)   | 1.25    | Certified, BCMA   |
| 8       | 2/15 | Personal Protective Equipment & Pesticide and Fertilizer Labels<br>(11:15 AM – 12:15 PM) | 1       | Certified, Municipal Specialist, BCMA - Management                                |

# IMPORTANT INFORMATION

Please read through all of this carefully so you are prepared and can receive credit

## STEPS FOR ENROLLMENT:

1. **Register Online using the Cornell Event system:** [Register Here](#)
2. **Submit payment** (when you fill out the online registration it will automatically generate a Purchase Order form, check form, or PayPal payment):
  - a. Pay by credit/debit card through PayPal (no account needed). **We cannot take payment over the phone nor day of class.**
  - b. Check (made out to CCE Monroe County) and/or purchase order should include the form generated by the event system and be mailed to:
    - i. **CCE Monroe County, 2449 St. Paul Blvd, Rochester, NY 14617**
3. **Order your own core and category manuals:**
  - a. [Core Manual](#) ; [Category 3ab](#) ; [Category 25](#)
  - b. **Note:** Choosing UPS as the shipping method is a quicker option as USPS has recently been experiencing delays.
4. **Check your email inbox for:**
  - a. Registration confirmation email.
  - b. Email getting sent out on Tuesday 2/2 containing Zoom links to access your session(s).
5. **Prepare for online learning (see TECHNOLOGY REQUIREMENTS below):**
  - a. [Download Zoom](#) and test it out before class begins. Test your video and audio as well.
  - b. Prepare meals and snacks ahead of time.
6. **Day of class ID Submission:**
  - a. If you are taking the course for the first time, you must upload a picture of your photo ID to [this secure Qualtrics Survey](#) **BEFORE CLASS**
  - b. If you are getting recertification credits, you must upload a picture of your NYS Pesticide Applicator ID to [this secure Qualtrics Survey](#) **BEFORE CLASS.**
  - c. [See the website event page for more information \(PHOTO ID UPLOAD\).](#)

## NYS DEC PESTICIDE TECHNICIANS EXAM

- **Date:** February 22, 2021, 9:00 AM
- **Location:** Wegman Lodge in Seneca Park
- **Reschedule Date:** February 26, 2021, 9:00 AM
- **Note:** You must bring your 30 hour course certificate, NYS driver's license & a check made out to NYS DEC for \$100. Cash will not be accepted.

## NYS DEC REQUIREMENTS FOR DISTANCE PROGRAMS:

- To take the exam on 2/22, attendees of the 30 Hour Course are **required** to attend all classes. No makeup classes are available.
- Latecomers (10 or more minutes) for any class will not receive credit for that class.
- Certificates of completion will be mailed to you

## TECHNOLOGY REQUIREMENTS

- Desktop PC, laptop, or tablet with audio and video capability. If you must join by phone, that is acceptable but not advised.
- A good internet connection. Audio headphones if needed.
- Have your device charged and a charger nearby, as Zoom tends to use extra battery.

**CONTACT: Questions about classes & credits, contact:** Liz Berkeley at [eab11@cornell.edu](mailto:eab11@cornell.edu) or (585) 753-2553  
**Questions about registration, Zoom, or computer technology issues, contact:** Adrienne Kaplan, [ajk284@cornell.edu](mailto:ajk284@cornell.edu).