

**IPM Diagnostics of Plant Disease and Insect Problems
Educational IPM September Session
And Re-Certification Seminar
Organized by
University of Maryland Extension**

Date: Tuesday and Wednesday September 22 and 23, 2020

Time of training: 12:30 – 5:00 pm.

Location: Central Maryland Research and Education Center, University of Maryland Extension, 11975 Homewood Road, Ellicott City, MD

Only sign up for one day because the sessions held on September 22 and September 23 will be the same topics. The same program is offered each day so we can maximize attendance because of Covid-19 restrictions limiting the number of people who can gather at any one time. We ask that companies and organizations only sign up a maximum of two people.

MD Pesticide Recertification: Full credit for 3A, 3B, 3C, 10, and PVT

D.C. and VA: Submitted for approval – check the announcement on-line for updates.

Outdoor Event:

These sessions will be held outdoors with pop up tents. There will be live samples and a walk through in-field diagnostic process as part of an IPM approach.

Covid-19 policies are in effect. If you sign up for this program, you are agreeing to have your temperature taken, bring and properly wear a mask at all times, maintain physical distance of at least 6 feet apart for others, and not gather in groups greater than 10 people. There will be a form for tracing purposes for you to fill out and sign when you arrive. **Please do not attend the event if you are sick or have any Covid-19 symptoms** (CDC symptoms list: fever or chills, cough, shortness of breath or difficulty breathing, fatigue, muscle or body aches, headache, new loss of taste or smell, sore throat, congestion or runny nose, nausea or vomiting, or diarrhea). **You will be required to leave if you do not follow these procedures.**

Please note: Attendees will stay with their groups for the duration of the event. The letter on your badge is your session group.

Bring your own chair. Unless heavy downpours are predicted, we will have the program. If the program is postponed or cancelled, we will notify registrants via email through Eventbrite.

Bringing Samples:

Participants can bring samples for diagnosis, but contact us before to establish the size and condition of the sample and the history of the site. Email us at clement@umd.edu (Dave Clement), rane@umd.edu (Karen Rane), and sgill@umd.edu (Stanton Gill).

Speakers:

University of Maryland Extension faculty who will be teaching:

Karen Rane, Plant Pathologist and Director of the Plant Diagnostic Clinic

David Clement, Plant Pathologist

Stanton Gill, Entomology Specialist

From private Industry: Heather Zindash, Independent IPM Scout, The Soulful Gardener

Station sessions: Stations assemble and begin at 1:00 and will rotate after each 55-minute lecture so that all attendees will hear each session below. **Please note attendees will stay with their groups for the duration of the event. The letter on your badge is your educational group. This will be under two tent arrays for each of our sessions behind CMREC**

Session 1

Disease problem solving. Disease 1 – Section 1

Speakers: Karen Rane and David Clement

Topics to be covered: Diagnosis and management of foliar diseases, including powdery mildews, downy mildews, rust diseases, other late summer/fall leaf diseases, boxwood blight updates, rose rosette, and beech leaf disease.

Insect Problem Solving Section – Section 1

Speakers: Stanton Gill and Heather Zindash

Topics to be covered: Caterpillars of fall and control techniques and materials including bagworms, tussock moth larvae, loopers and noctuid larvae – life cycles and control options. Lace bugs of evergreen plants and deciduous plant material – recognizing the damage and control options. Crapemyrtle aphids and other aphids – control options and life cycles. Spotted lanternfly. Spider mites – twospotted spider mites, southern red mite, boxwood mites, maple mite, and eriophyid mites of roses – recognizing the damage and lifecycle and control options

After each group of nine people participate in a Session, they move to the other Session, so everyone hears the same lecture.

When all 18 people have heard both the disease and insect “Session I” presentations, they go to the Disease II and Insect II sessions in the same manner with different topics from the first sessions.

Disease Problem Solving Section II

Speakers: Karen Rane and David Clement

Topics to be covered: Diagnosis and management of root and trunk diseases, and vascular diseases, including root and wood decay diseases, wet wood and slime flux, hypoxylon infections, oak wilt, bacterial leaf scorch, thousand cankers, and general tree decline symptoms.

Insect Problem Solving Section – Section II

Speakers: Stanton Gill and Heather Zindash

Topics to be covered: Armored scale, soft scale and felted scales – life cycles, recognizing the scale and control options. Included tulip tree scale, Japanese maple scale, Indian wax scale, maskell

scale, gloomy scale, euonymus scale and prunicola scales. Tree borers including emerald ash borer, Asiatic longhorned beetles, two lined chestnut borer, Zelkova borer, ambrosia beetles, and carpenter worm. We will teach each student how to recognize the damage, life cycle, and control options.

12:30 – 12:50	Check-in
12:50 – 1:00	Introduction to Program: Covid-19 Requirements and Schedule
1:00 – 1:55	Insect/Disease Part 1
2:00 – 2:55	Insect/Disease Part 1
3:00 – 3:55	Insect/Disease Part 2
4:00 – 4:55	Insect/Disease Part 2

Pre-registration Only. \$50 per person.

Limited to 18 people per day.

We ask that each company/organization only register a maximum of 2 people.

First come, first serve.

No on-site registration.

[September 22nd Registration](#)

[September 23rd Registration](#)