



# San Diego Master Gardener

## Class of 2023



### Session # 9

### Plant Pathology and Diagnosis

### 03/21/2023

#### Objectives

**1. After this lesson, the trainee will know:**

- 1.1. Plant Pathology
  - 1.1.1. The basic plant disease concepts and principles;
  - 1.1.2. The major types of pathogens (parasitic agents) and environmental factors (nonparasitic agents) that cause diseases in plants;
  - 1.1.3. Common plant diseases and how to control them
  - 1.1.4. How to distinguish disease symptoms from other plant injuries;
- 1.2. Plant Problem Diagnosis including biotic and abiotic problems and their management.

**2. After this lesson, the trainee will be able to:**

- 2.1. Identify various common plant diseases and their causes;
- 2.2. Plant Problem Diagnosis
  - 2.2.1. Know how to ask effective questions and gather information on plant problems;
  - 2.2.2. Formulate a diagnosis of plant problems;

**3. How to access more information:**

- 3.1. **California Master Gardener Handbook**, Second Edition, 2015, pp. 144-173.
- 3.2. UC IPM [Pest Notes](#)
- 3.3. UC Publications
- 3.4. Supplementary Materials: [ECHO Microscope Training Video](#)



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### Agenda Session 9

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<b>8:00</b>	<ul style="list-style-type: none"><li>• Room setup</li><li>• Exhibit Setup: Group 7 - Tomatoes</li><li>• Room available for refreshment team 5</li><li>• Good, Bad, Bugly put on screens</li></ul>	
<b>8:30 -9:00</b>	<ul style="list-style-type: none"><li>• Class starts</li><li>• Announcements<ul style="list-style-type: none"><li>o Lab Rats Group 2 reminder</li><li>o "The Good, Bad and the Bugly" identified</li><li>o Authentication</li></ul></li></ul>	
<b>9:00 - 10:00</b>	<i>Plant Pathology and Diagnosis</i>	Pat Nolan
<b>10:00 - 10:15</b>	Break	
<b>10:15 - 11:15</b>	<i>Plant Pathology and Diagnosis - continued</i>	Pat Nolan
<b>11:15 - 11:45</b>	VIPR Presentations	MJ Brovold Marjorie Hardy Carolynn Silva Allison Wall
<b>11:45 - 12:00</b>	Committee Focus: Membership Services	Delayne Harmon VP Membership Services
<b>12:00 - 12:30</b>	Lunch	
<b>12:30 - 12:45</b>	Ask a MG	Yvonne Valenzuela
<b>12:45 - 2:20</b>	<i>Lab - "Dealing with Thorny Issues" Diagnosing Plant Problems</i>	Pat Nolan with OPS
<b>2:20 - 2:30</b>	Wrap-up	
<b>2:30</b>	Staff Debrief	

- Distribute: loupes
- Classroom Operations Roles for this Session:
  - Class Ops Lead: Liz Woodward
  - Program Coordinator: Leah Taylor
  - Trainee Coordinator: Devonna Hall
  - Speaker Coordinator: Tamara Klugg
  - Classroom Organizer: Yvonne Valenzuela
  - A/V Zoom Support: Jeff Clingan
  - Newsletter Coordinator: Susan Starr
  - Lab Coordinator: Deanna Chandra