

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 Plant Pathology and Diagnosis 03/21/2023

 Exhibit Setup: Group 7 - Tomatoes Exhibit Setup: Group 7 - Tomatoes Room available for refreshment team 5 Good, Bad, Bugly put on screens 8:30 -9:00 Class starts Announcements O Lab Rats Group 2 reminder O The Good, Bad and the Bugly" identified O Authentication 9:00 - 10:00 Plant Pathology and Diagnosis Pat Nolan 10:15 - 11:15 Plant Pathology and Diagnosis - continued Pat Nolan 11:15 - 11:45 VIPR Presentations MJ Brovold Marjorie Hardy Carollynn Silva Allison Wall 11:45 - 12:00 Committee Focus: Membership Services 	8:00	Room setup		
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Carollynn Silva Allison Wall			Marjorie Hardy	
Allison Wall			Carollynn Silva	
	11.45 - 12.00	Committee Focus: Membership Services		
VP Membership Services	11.40 12.00		-	
	12.00 12.20	Lunch		
12:30 - 12:45Ask a MGYvonne Valenzuela				
12:45 - 2:20 Lab - "Dealing with Thorny Issues" Diagnosing Pat Nolan with OPS	12:45 - 2:20	Lab - "Dealing with Thorny Issues" Diagnosing	Pat Nolan with OPS	
Plant Problems		Plant Problems		
2:20 - 2:30 Wrap-up	2:20 - 2:30	Wrap-up		
2:30 Staff Debrief	2:30			

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