



Sycamore Anthracnose

Plant Pathology Laboratory

County of Los Angeles
Department of
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Visit our website for more information at
<http://acwm.lacounty.gov>



Phytophthora ramorum Leaf Spot



Phytophthora Canker on Lemon

County of Los Angeles Board of Supervisors

Gloria Molina
First District

Mark Ridley-Thomas
Second District

Zev Yaroslavsky
Third District

Don Knabe
Fourth District

Michael D. Antonovich
Fifth District



County of Los Angeles
Department of
Agricultural Commissioner/
Weights and Measures

Plant Pathology Laboratory Services



Dr. Jerrold Turney, Senior Biologist/Plant Pathologist

Kurt E. Floren
Agricultural Commissioner/
Director of Weights and Measures

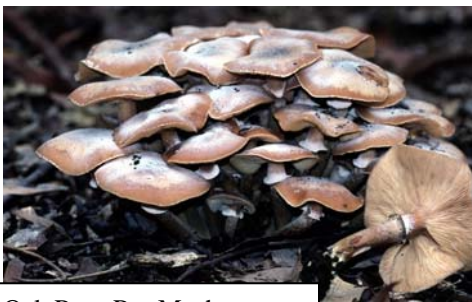
Plant Pathology Laboratory Services

About the Laboratory

The primary mission of the Plant Pathology Laboratory is to prevent the introduction of exotic plant diseases, plant pathogenic nematodes, and invasive weeds into Los Angeles County through nursery stock and other agricultural shipments from other states. Plant Pathology Laboratory Services available to the public include:

- Plant disease and damage diagnosis
- Plant and mushroom identification
- Nematode identification
- Consultation on landscape maintenance

Services provided by the laboratory are free.



Oak Root Rot Mushrooms



Oak Root Rot Fungus Under Bark

Plant Disease and Damage Diagnosis

Many plant diseases occur in nurseries, landscapes, and on farms. Plants can also be damaged by adverse growing conditions. These can include excessive irrigation, extreme temperatures, and nutrient deficiencies.

Samples of plant parts containing symptomatic tissue that are submitted to the Plant Pathology Laboratory may be cultured to isolate potential pathogens. Well known diseases can be diagnosed based on symptoms.

Plant and Mushroom Identification

Whole plants or plant parts may be submitted to the Plant Pathology Laboratory for plant identification.

Plant parts needed for plant identification include:

- Leaves
- Stems
- Flowers
- Fruit

Digital images of plants may also be submitted for identification. When submitting mushrooms, it is critical to collect the entire mushroom and quickly submit the sample to the laboratory. Please visit our website for sample submission instructions and a printable submission form (<http://acwm.lacounty.gov>).

Landscape Consultation

It is frequently necessary to determine cultural conditions that exist at the growing location to correctly diagnosis damage. The department's plant pathologist can provide technical information to assist the grower, landscape manager, or homeowner to determine what changes are necessary to prevent damage.

Technical information can include:

- Proper irrigation rates and timing
- Plant placement and location suitability
- Fertilization
- Integrated pest management.



Olive Leaf Scorch



Oleander Leaf Scorch