



**Pest and Disease Management  
Research Priorities**

# Pest and Disease Management

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## High Priority

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- Wood fungal diseases
- Mildews
- PD-Sharpshooter control
- Economic Thresholds of Major Pests
- Mealy Bug
- Post Harvest control of Storage rots and insects
- Weeds- Alternative management, BioControl, vineyard floor management, off-site movement
- Pathogen detection - diagnostics

# Research Priorities

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## ➤ Fungal Wood Diseases

Eutypa

Phomopsis

Bot Canker

## ➤ Mildews (ARS)

Powdery Mildew

Downy Mildew

Air Quality

(Sulfur Dust)

## • Bacterial Wood diseases (mp)

Crown Gall

# Research Priorities

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- **P.D. Management Strategy**
  - *Xylella fastidiosa* (ARS)
  - **Vectors**
    - Blue Green Sharpshooter (ARS)
    - Green Sharpshooter
    - Glassy Winged Sharpshooter (ARS)
    - Others
  - **Host Plants** (ARS)

# Research Priorities

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- Mealy Bug Management Strategy
  - Vine Mealy Bug (ARS)
  - Grape Mealy Bug
  - Obscure Mealy Bug
  - Ants

# Research Priorities

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➤ **Storage Rots (ARS)**

**Botrytis; Putrid, Split,  
Nodular of Raisins**

➤ **Storage Insects: Indian Meal Moth,  
Dried Fruit Beetle, Sawtooth Beetle, Raisin  
Moth**

# Pest and Disease Management

## Moderate priority

- **Harmonia (Asian Lady Beetle)**
- **Nematode control-alternative controls**
- **Alternatives to preharvest fungicides**
- **Host-plant resistance, insects and diseases (ARS)**
- **Biological Control (increase efforts) of insects, weeds, and pathogens**

# Pest and Disease Management

## Other Important topics

- Grapevine yellow disease
- Japanese beetle
- Bunch rot-complex (ARS)
- Phylloxera (ARS)
- Grape root borer
- Exotic pest detection, pathways and control
- Pest management components for organic production
- Crown Gall

# Pest and Disease Management

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## Broad Discussion Topics

- GMO
- Sustainable/IPM Integrated Crop Production System