Protecting American Agriculture from Invasive Plant Pests:
Plant Health Emergency Framework

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Plant Health Emergency Framework

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Potato Cyst Nematode (ID)
- Gladiolus Rust (FL, CA)
- Citrus Greening/Canker (FL)
- Asian Gypsy Moth (TX, CA)
- Red Palm Mite (PR, FL)
- Plum Pox Virus (NY, MI, PA)
- Emerald Ash Borer (MI, IN, IL, OH, PA)
- Fruit Fly Outbreaks (CA, FL, MX)
- Light Brown Apple Moth (CA)
- Panicle Rice Mite (TX, LA, AR, PR, NY)
- Orange Rust of Sugarcane (FL)
- Coconut Rhinoceros Beetle (Guam)
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United States Department of Agriculture
Animal and Plant Health Inspection Service

Plant Protection and Quarantine

**Plant Health Emergencies**

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What is a plant health emergency?

- **Trigger:** Detection of a plant pest of national significance
  - Insect, Nematode, Plant Pathogen, Noxious Weed

- **Decision Making:**
  - Science
  - Risk assessment → Importance
  - Economic & Environmental Assessments
  - Tools (Survey, Detection, Identification, Mitigation)
  - Situational Awareness
PPQ Decisions Framework

1. Trigger (Initiating Event)
2. Identify the issue
   - Describe the issue
   - Define PPQ's role/role of others
   - Identify and consult with stakeholders and affected parties
3. Analyze the issue
   - Define objectives
   - Prioritize the issue
   - Develop and prioritize options
   - Consult with stakeholders and affected parties
   - Assess options
4. Make the Decision
   - Decide on an option
   - Develop a communication strategy
5. Implement Decision
   - Develop an implementation plan
   - Implement actions
6. Monitor and review outcomes
7. Decision Process Coordination
8. Does review identify new information or issues?
   - No
   - Yes

Gathering information and consultation may occur at any step
A comprehensive, systematic approach to prevent, prepare, respond, and recover from plant health emergencies in the United States.
Emergency Management Framework

1. Prevention

2. Preparedness

3. Response

4. Recovery

Applying the best available information to eliminate or mitigate the risk associated with emergency situations.
Emergency Management Framework

1. Prevention
2. Preparedness
3. Response
4. Recovery

Asian Gypsy Moth (Russia)
Emergency Management Framework

Planning an effective response to an emergency, identifying the necessary resources, establishing the required infrastructure, and conducting training to ensure effective emergency response.
Emergency Management Framework

Activities that occur immediately after a plant health emergency has been declared.

1. Prevention
2. Preparedness
3. Response
4. Recovery
Emergency Management Framework

1. Prevention

2. Preparedness

3. Response

4. Recovery

Activities to develop and implement systems designed to provide long-term stability and protection from the pest that caused the emergency.
**Prevention**
- Offshore Preclearance
- Agriculture Quarantine Inspection
- Phytosanitary Management
- Smuggling Interdiction and Trade Compliance (SITC)
- Risk and Pathway Analysis

**Preparedness**
- Pest Detection
- Identification & Diagnostics
- New Pest Advisory Group
- New Pest Response Guidelines
- Incident Command System Training

**Response**
- Communication & Outreach
- Rapid Detection
- TWG
- Emergency Funding
- Mobilization
- Unified Command
- Data Management
- Emergency Response Coordination
- Regulatory Framework
- Environmental Compliance
- Situation Report

**Recovery**
- Long-term protection plan
- Demobilization
- National Plant Disease Recovery System
- Science based methods and technology
- Outreach
Our Mission:

- Safeguard Agriculture and Natural Resources

Goal:

- Ensure Abundant, High-Quality Food Supply
- Maintain Economic Opportunities for America’s Farms
- Ensure Safe Interstate Commerce & International Trade
- Protect North American Ecosystems
- Prevent entry, establishment, or spread of plant pests - noxious weeds
Partnerships are critical to protecting agricultural & natural resources