

United States Department of Agriculture
Animal and Plant Health Inspection Service

Plant Protection and Quarantine



Protecting American Agriculture From Invasive Plant Pests:

Plant Health Emergency Framework

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APHIS PPQ
Emergency & Domestic Programs
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Plant Health Emergencies

- **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)



Plant Health Emergencies

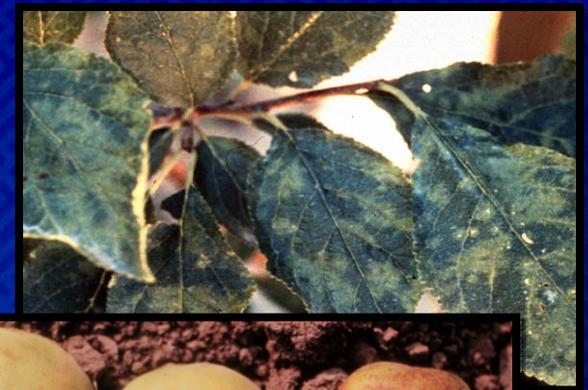
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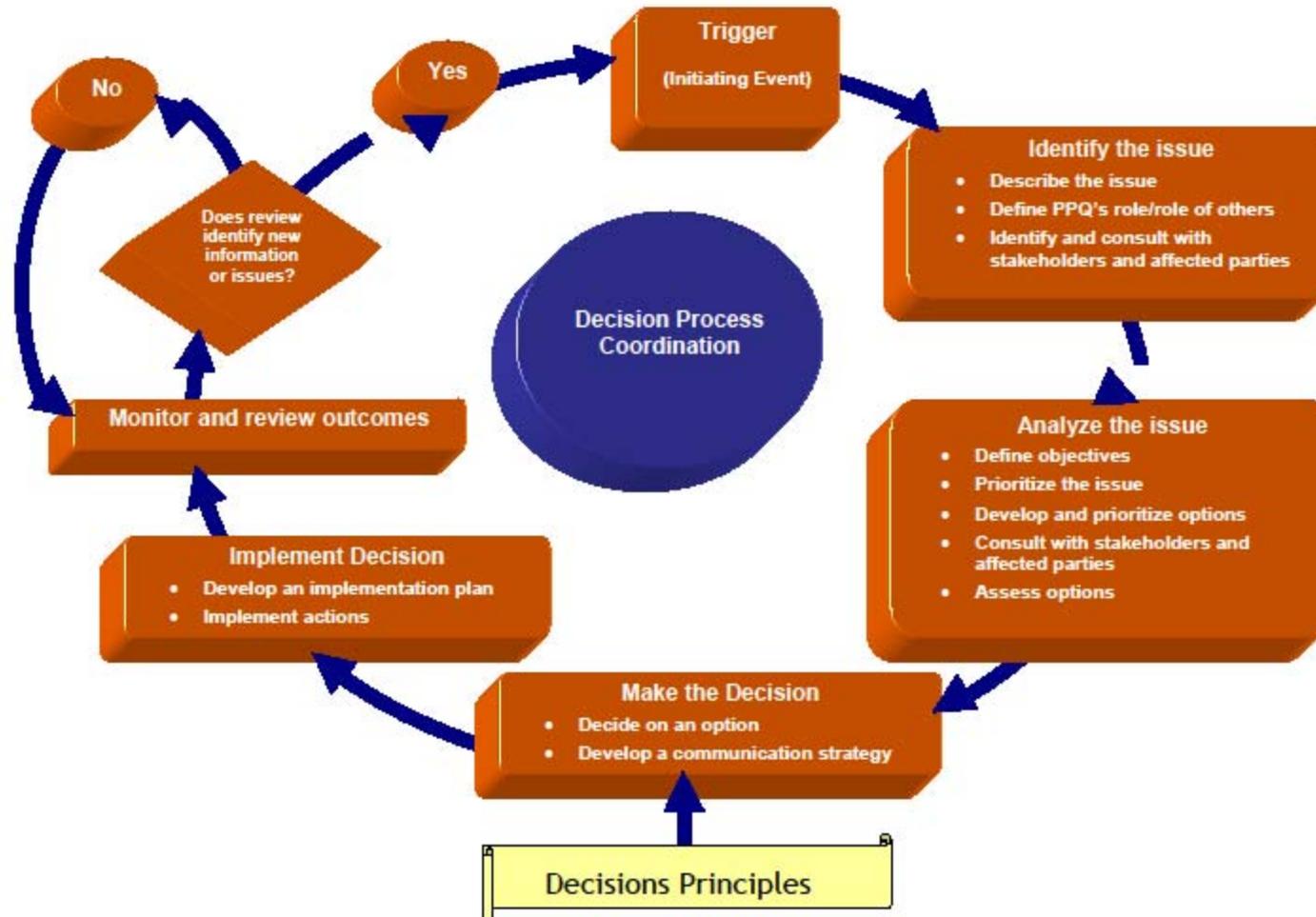


What is a plant health emergency?

- **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



Gathering information and consultation may occur at any step



Emergency Management Framework

1. Prevention

2. Preparedness

3. Response

4. Recovery

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

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Asian Gypsy Moth (Russia)



Emergency Management Framework

1. Prevention

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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

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4. Recovery

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



Emergency Management Framework

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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

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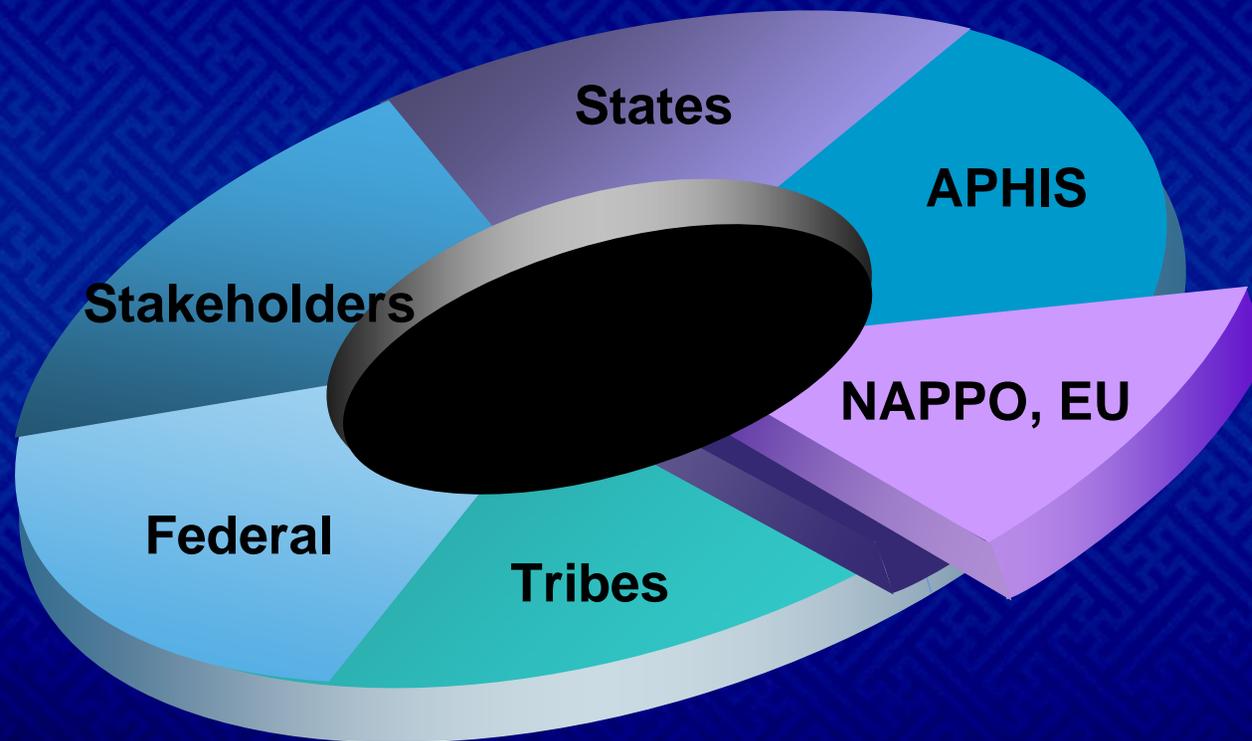
Our Mission:

- **Safeguard Agriculture and Natural Resources**

Goal:

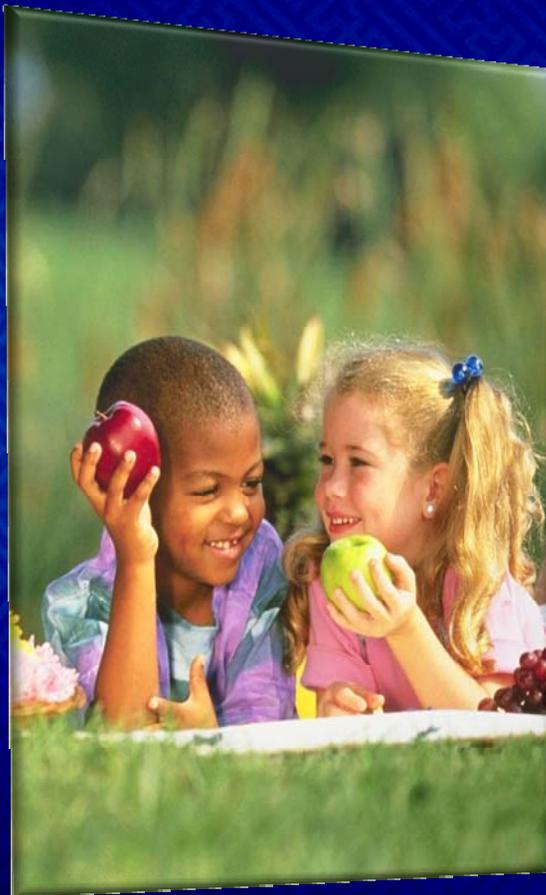
- **Ensure Abundant, High-Quality Food Supply**
- **Maintain Economic Opportunities for America's Farms**
- **Ensure Safe Interstate Commerce & International Trade**
- **Protect North American Ecosystems**
- **Prevent entry, establishment, or spread of plant pests - noxious weeds**

Partnerships are critical to protecting agricultural & natural resources



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Protecting American Agriculture & Natural Resources