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Agricultural Outlook Forum U.S. Department of Agriculture

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

Presented: February 18-19, 2010

David Kaplan



Protecting American Agriculture From Invasive Plant Pests:

Plant Health Emergency Framework

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APHIS PPQ

Emergency & Domestic Programs
Feb 19, 2010



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

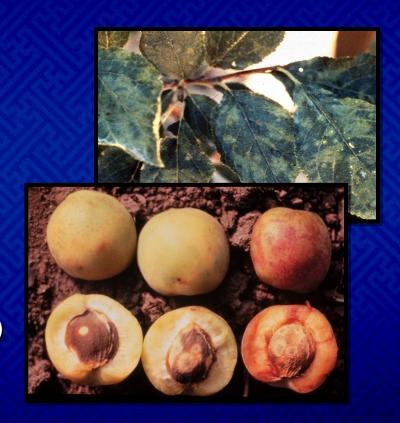
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What is a plant health emergency?

- 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 Trigger (Initiating Event) Identify the issue Describe the issue Define PPQ's role/role of others Does review identify new Identify and consult with information stakeholders and affected parties or issues? **Decision Process** Coordination Monitor and review outcomes Analyze the issue Define objectives Prioritize the issue Develop and prioritize options Consult with stakeholders and Implement Decision affected parties Develop an implementation plan Assess options Implement actions Make the Decision Decide on an option Develop a communication strategy **Decisions Principles** 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

- 1. Prevention
- 2. Preparedness
- 3. Response
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Asian Gypsy Moth (Russia)



Emergency Management Framework

- 1. Prevention
- 2. Preparedness
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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

- 1. Prevention
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- 4. Recovery

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



Emergency Management Framework

- 1. Prevention
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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



Preparedness



Response



Recovery

- Offshore Preclearance
- Agriculture Quarantine Inspection
- Phytosanitary Management
- Smuggling Interdiction and Trade Compliance (SITC)
- Risk and Pathway Analysis

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

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

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

United States Department of Agriculture Animal and Plant Health Inspection Service

Plant Protection and Quarantine

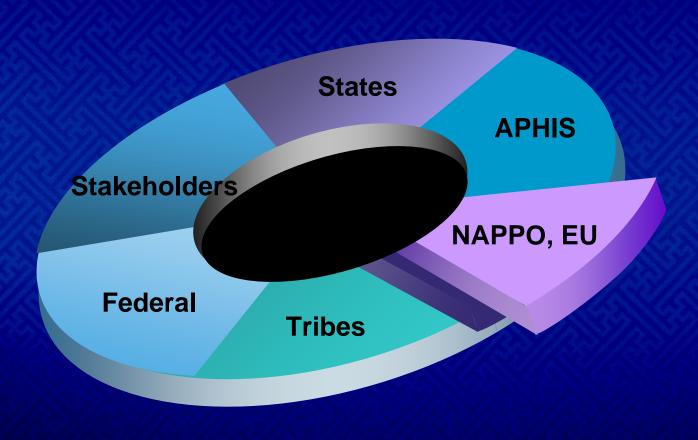
Our Mission:

Safeguard Agriculture and Natural Resources

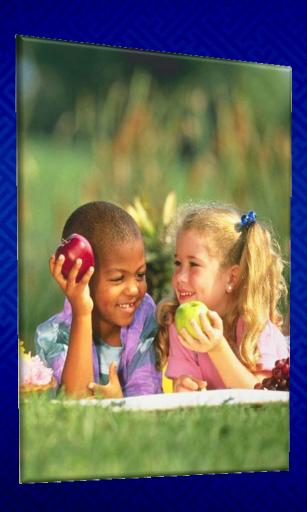
Goal:

- 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







Protecting American Agriculture & Natural Resources