United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine



# National Crop Biosecurity

Role of APHIS-PPQ in Prevention, Preparedness, Response, and Recovery

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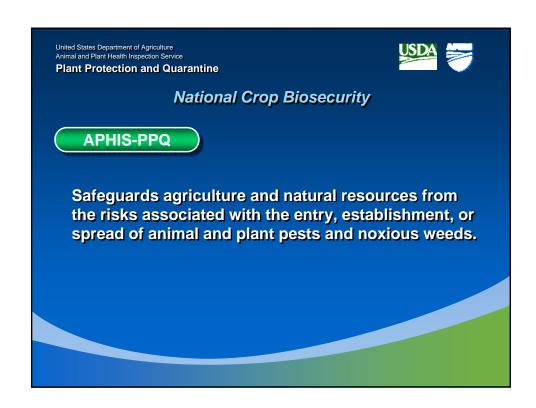


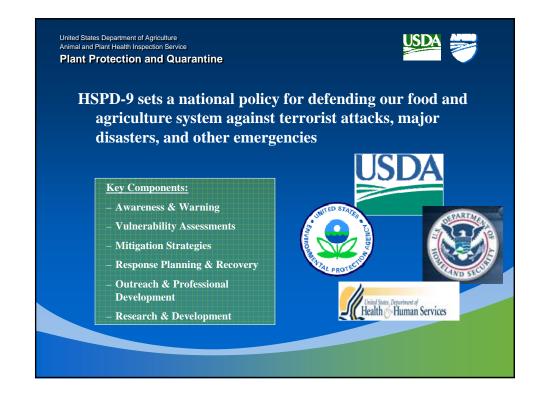


# **National Crop Biosecurity**

#### Vision

National Crop Biosecurity Framework ensures that science-based early detection, rapid response, and practical recovery systems are available to provide maximum protection of U.S. agricultural and natural resources, thus ensuring minimum impact to consumers, producers and the environment.



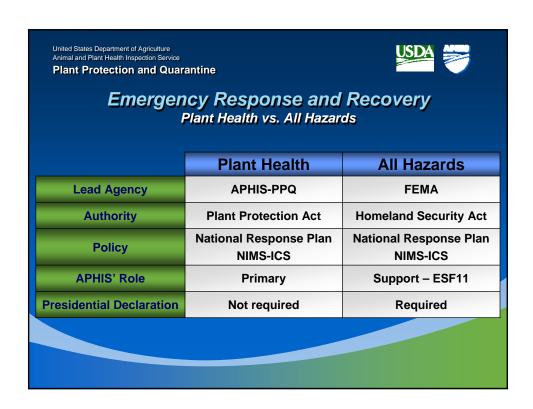


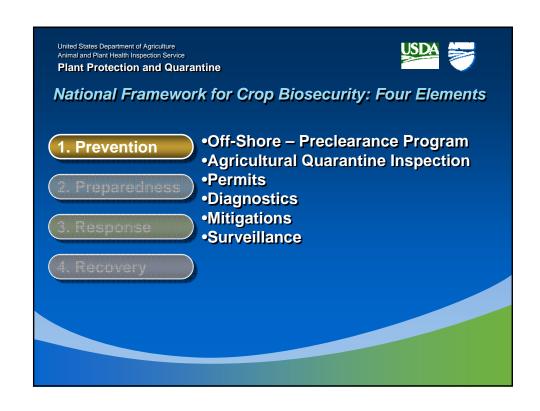
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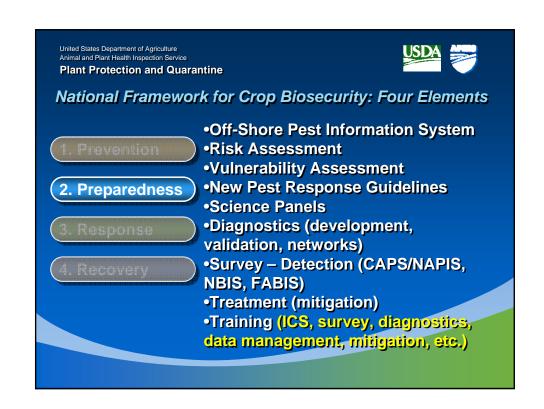


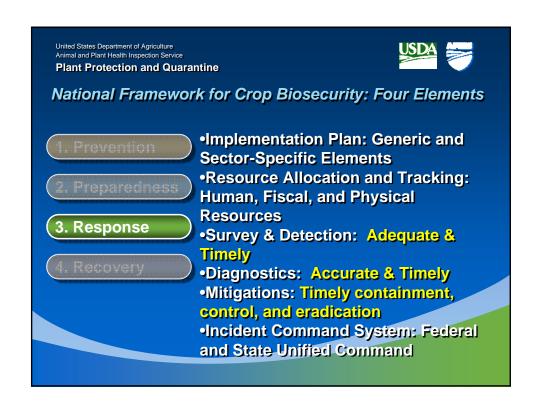
# **HSPD-9 Background**

- (2) US agriculture and food systems are vulnerable to disease, pest, or poisonous agents that
  - occur naturally
  - are unintentionally introduced
  - or are intentionally delivered by acts of terrorism









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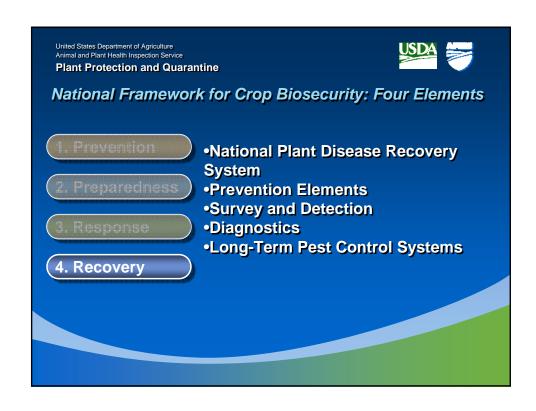


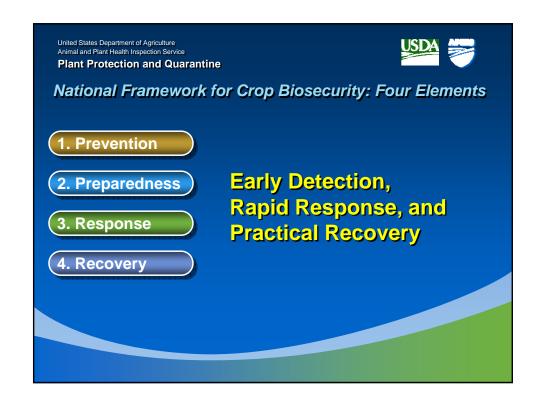


National Crop Biosecurity - Background

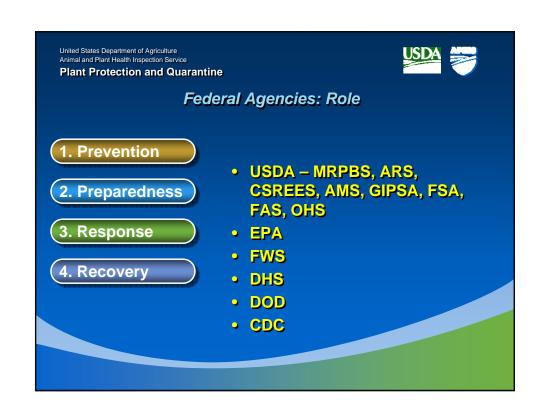
# **Incident Command System (ICS)**

Organizational infrastructure comprising one or more qualified persons able to immediately confront an incident using technical, organizational, and interpersonal skills.

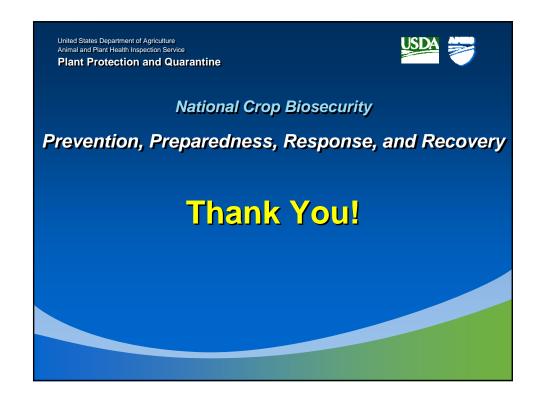




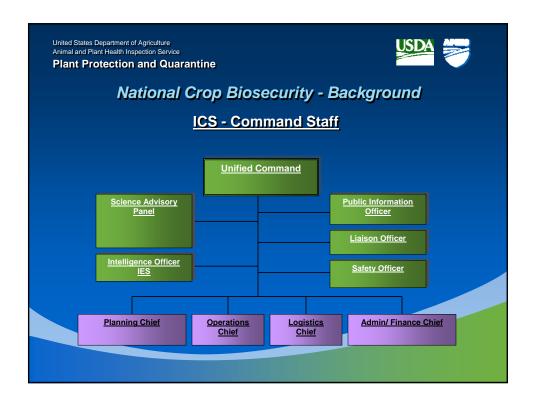


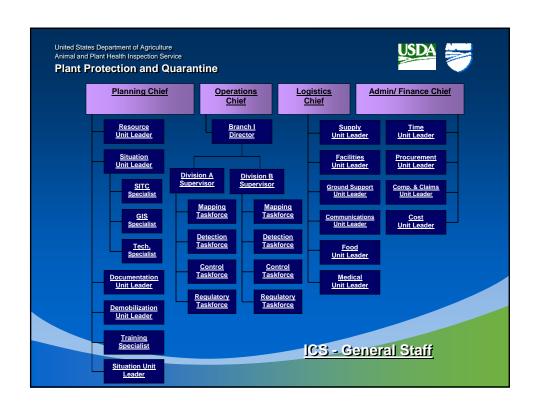






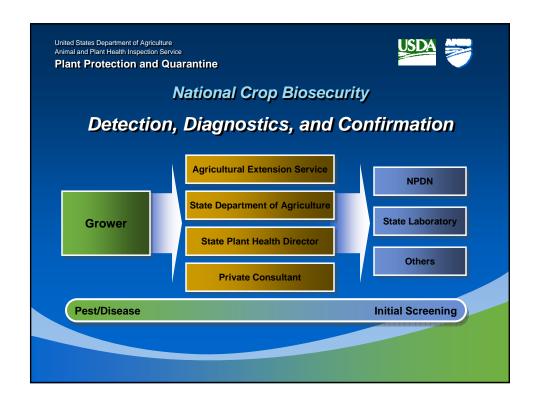


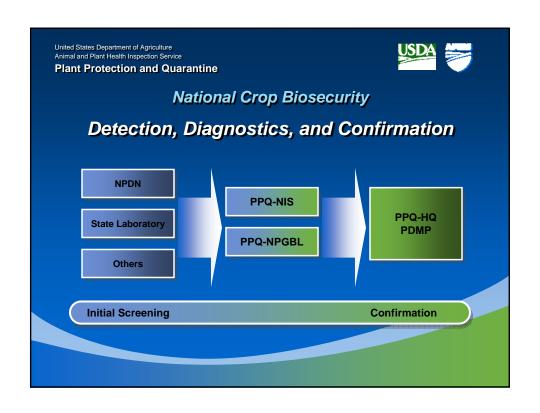


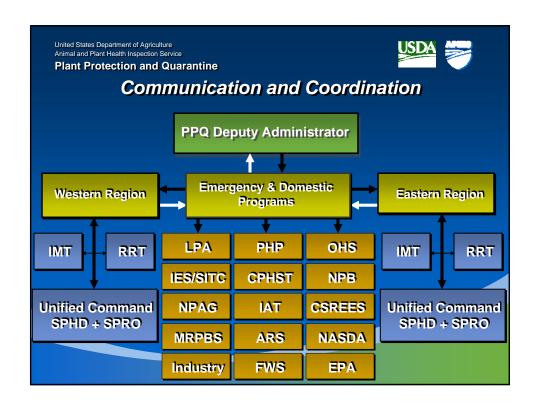
















#### 2. APHIS-Plant Protection and Quarantine: Roles

# 1. Headquarters:

#### **Deputy Administrator:**

Leadership

#### **Pest Detection and Management Programs:**

- National Coordination for Crop Biosecurity
- Program Design & ICS Leadership
- · Action Plans for Select Agents
- Off-Shore Pest Information System
- · Vulnerability Assessment
- Communication

#### **Plant Health Programs:**

- Select Agent Program/Permits
- Smuggling and Interdiction and Trade Compliance
- CBP Liaison
- National Identification Service
- Phytosanitary Issue Management

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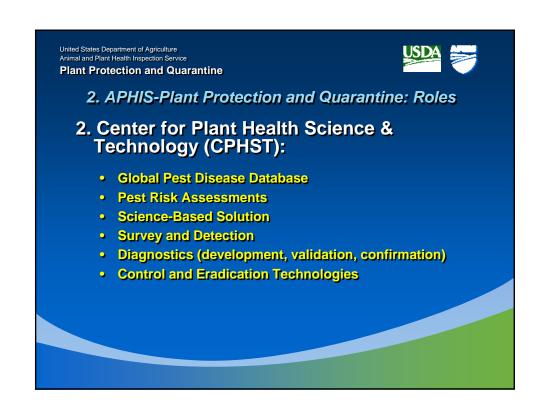


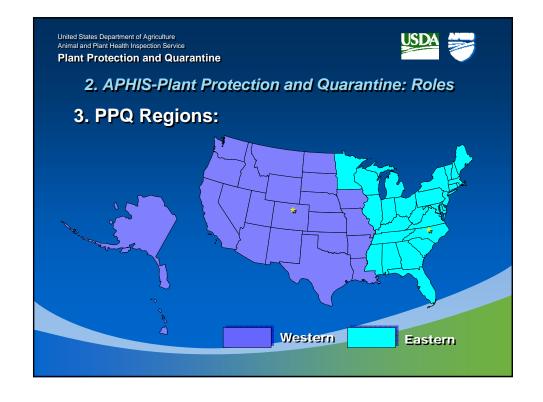
#### 2. APHIS-Plant Protection and Quarantine: Roles

# 1. Headquarters:

#### **Professional Development Center (PDC):**

- Training
  - Plant Protection and Quarantine (PPQ)
  - Customs and Border Protection (GBP)







### National Crop Biosecurity - Background

## **Agricultural Bioterrorism Protection Act of 2002**

- Law is designed to improve the ability of the United States to prevent, prepare for, and respond to bioterrorism
- Regulations for the Possession, Use, and Transfer of Biological Agents and Toxins – registration requirements, permits, inspection of facilities, personnel, and practices
- List of Select Agents and toxins deemed to pose a severe threat to animal or plant health

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# National Crop Biosecurity - Background

# Agricultural Bioterrorism Protection Act of 2002 Select Agents

Liberobacter africanus
Liberobacter asiaticus
Peronosclerospora philippinesis
Phakospsora pachyrhizi
Plum pox potyvirus
Ralstonia solanacearum, race 3, bi

Ralstonia solanacearum, race 3, biovar 2
Sclerophthora rayssiae var. zeae
Synchytrium endobioticum
Xanthomonas oryzae pv. Oryzicola
Xylella fastidiosa

Citrus Greening
Citrus Greening
PH Downy Mildew of Corn
Soybean Rust
Plum Pox
Bacterial Wilt of Potato
Downy Mildew of Corn
Potato Wart
Bacterial Leaf Streak of Rice
Citrus Variegated Chlorosis





# National Crop Biosecurity - Background

# **APHIS Agricultural Select Agent Program**

http://www.aphis.usda.gov/programs/ag\_selectagent/index.html

#### Contact:

APHIS Select Agent Program 4700 River Road, Unit 2 Riverdale, MD 20737

Email:

agricultural.select.agent.program@aphis.usda.gov

Phone: 301-734-5960 Fax: 301-734-3652

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# National Crop Biosecurity - Background

- Standards for Plant Health Emergency Management System
  - 1. Emergency Management Plans
  - 2. Written Agreements
  - 3. Authorities and Policies
  - 4. Communication Plan
  - 5. Training and Education
  - 6. Funding

