

# What is a Pest of Regulatory Concern?

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# Today's Topics

- Definition and examples of regulatory insect pest taxa
- NIS structure for survey taxonomic support and interface with NPDPN

# National Identification Services

# NIS



***Credible, reliable, and responsive service***

# Definition of a Quarantine Pest

“A pest of potential economic [and/or environmental] importance to the area endangered thereby and not yet present there, or present but not widely distributed and being officially controlled.”

(Food and Agricultural Organization  
of the United Nations)



# Examples of Plant Pest Groups

- Aphids, whiteflies, hard & soft scales
- Most moths, thrips
- Many bugs, e.g. “Pentatomidae not Asopinae”
- Many beetles, flies
- Some wasps, e.g. sawflies, seed wasps



# Survey Identifier Positions Update

- Entomologist, Gainesville, FL – Filled
- Plant Pathologist, Manhattan, KS – Filled
- Plant Pathologist, Penn State – Filled
- Forest Entomologist, Purdue – Filled
- Entomologist, WR – location under negotiation

# National Identification Services

**Branch Chief**  
Administrative Assistant

Coordination & Policy

Pest Data Mgmt Team

Molecular Diagnostic  
Laboratory

National Taxonomists

**Entomologist**  
**Botanist**  
**Agriculturalist**  
**Agriculturalist**  
**Domestic**  
**Diagnostic**  
**Coordinator**

**Agric. Team Leader**  
**Agriculturalist**  
**Agriculturalist**  
**Data Entry Clerks**

**Lab Director**  
**Molecular Scientists**  
**Support Scientists**  
**Biotechnician**

**Plant Pathologist**  
**Coccidologist**  
**Lepidopterist**  
**Malacologist**  
**Botanist**  
**Botanist**

# Cooperating Taxonomists and Institutions

**Systematic Botany  
& Mycology Laboratory**  
(USDA ARS)  
PPQ & ARS Pathologists

**Academy of Natural  
Sciences Philadelphia**  
PPQ Malacologist  
Backup Malacologists

**Nematology Laboratory**  
(USDA ARS)  
ARS Nematologists

**Bee Laboratory**  
(USDA ARS)  
ARS Entomologists

**Museum of Biological  
Diversity** (The Ohio State  
University, Columbus, Ohio)  
PPQ Lepidopterist

**Tick Laboratory**  
(USDA ARS)  
Ames, Iowa  
ARS Acarologist

**Various state & university  
diagnostic laboratories**

# Cooperating Taxonomists: Entomology

## **Systematic Entomology Laboratory (USDA, ARS)**

Coleoptera (3)

Lepidoptera (4)

Diptera (3)

Hymenoptera (3)

Thysanoptera/Orthoptera (1)

Homoptera (3)

Heteroptera (1)

Molecular (1)

Acari (1)

## **Extended SEL**

### **Contacts:**

Elateridae

Buprestidae

Others, as needed

## **SEL Retired**

### **Cooperators:**

Thysanoptera

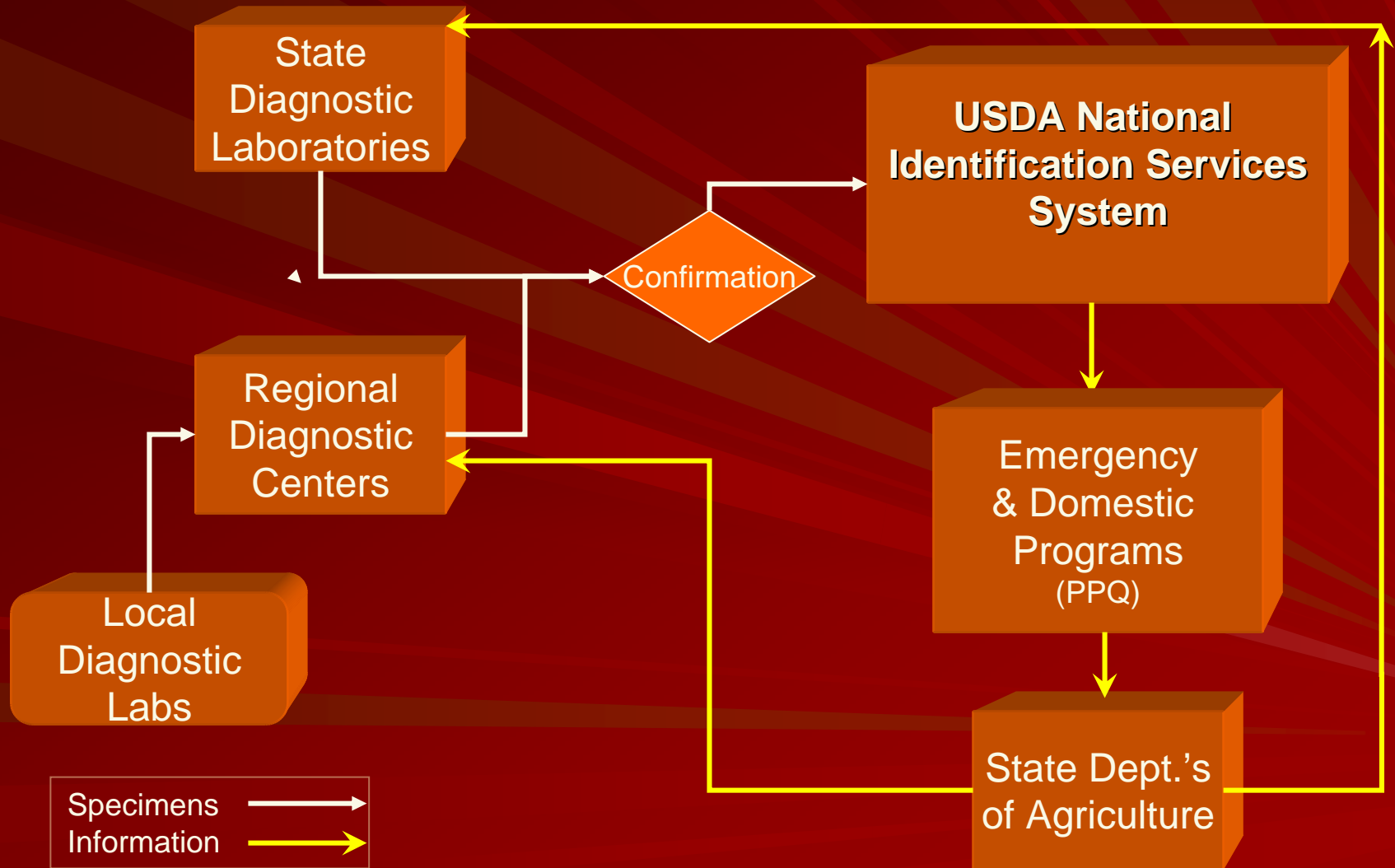
Cecidomyiidae

Siricidae

Bruchinae



# Overview of Exotic Pest Detection Confirmation Information Flow



National Identification Services

NIS



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Thank you

**NATIONAL PLANT  
DIAGNOSTIC NETWORK**

