



United States Department of Agriculture  
Animal and Plant Health Inspection Service

**Plant Protection and Quarantine**



# Plant Health Regulatory Perspective: Brown Marmorated Stink Bug

Alan K. Dowdy, PhD

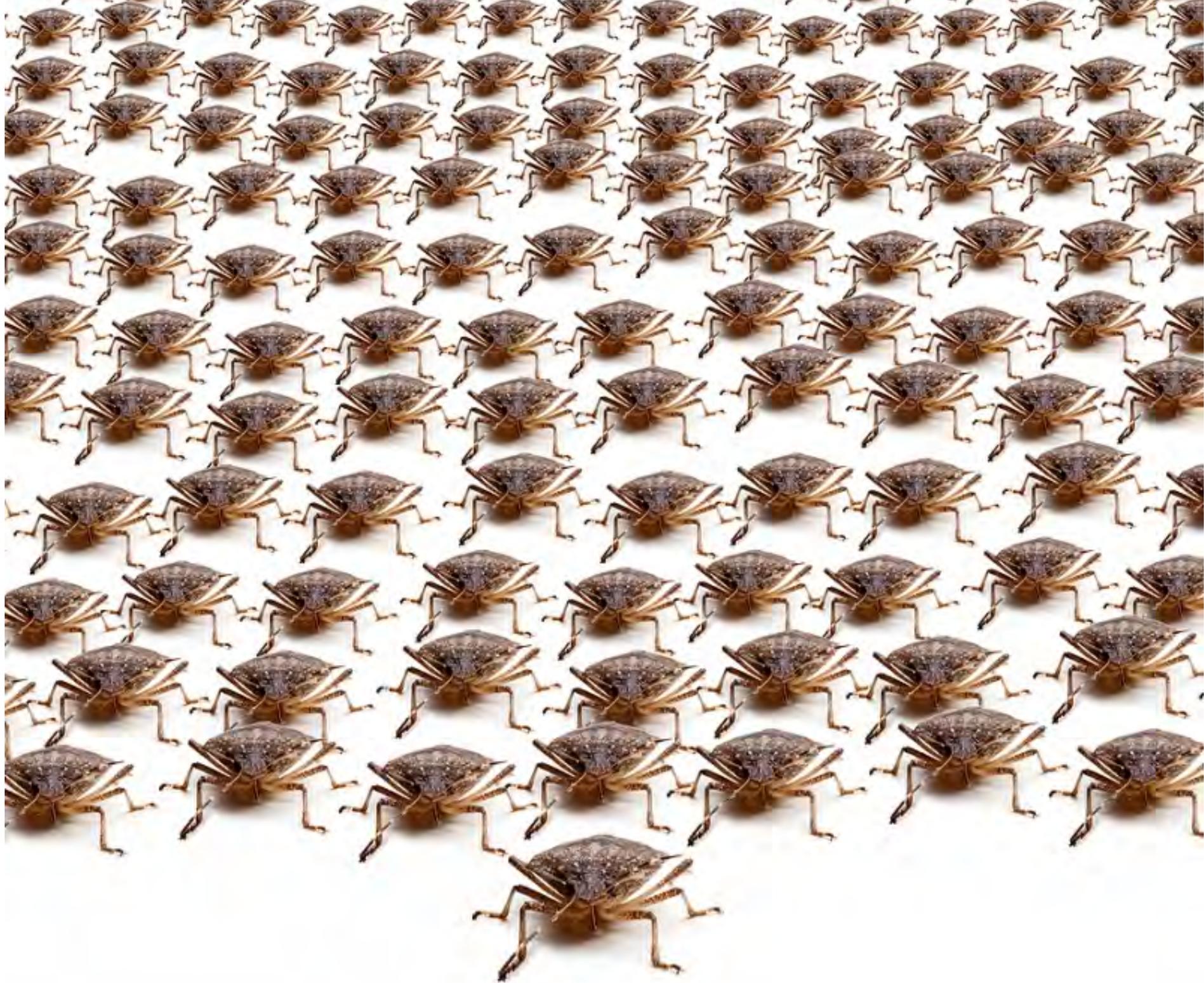
APHIS, PPQ, Emergency & Domestic Programs

Invertebrate & Biological Programs

Riverdale, Maryland

## How did it get to the US?

- a. Auto parts
- b. Fruits and vegetables
- c. Manufacturing equipment
- d. Office supplies
- e. Textiles
- f. All of the above
- g. None of the above



# Brown Marmorated Stink Bug Detections in the United States

(reported but not necessarily established)



# Who does what?

- Federal roles
  - Agricultural Research Service (ARS)
  - Office of Pest Management Policy
  - National institute of Food and Agriculture (NIFA)
  - APHIS, PPQ
- State roles
  - Research and Extension
  - Regulatory
- Industry
  - Producers
  - Allied

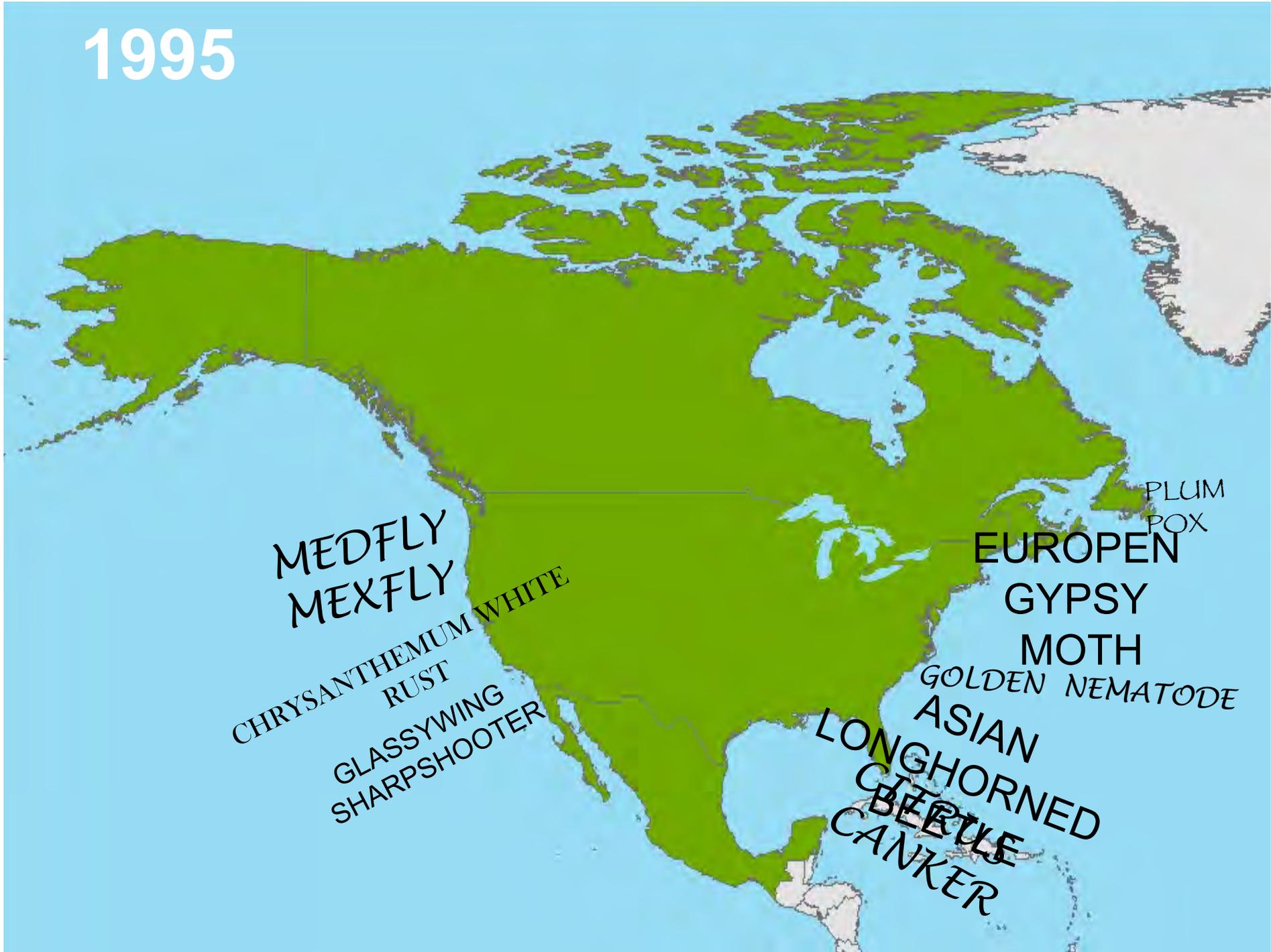
# Farm Bill Section 10201 Funding

- Biological Control
  - ARS-Newark, DE
  - Florida DACS Division of Plant Industry
  - Michigan State University
  - Oregon Department of Agriculture
- Monitoring Tools
  - ARS-Kerneysville, WV
  - Virginia Tech



South Pacific Regional Environment Programme: <http://www.sprep.org.ws/>

1995



2011

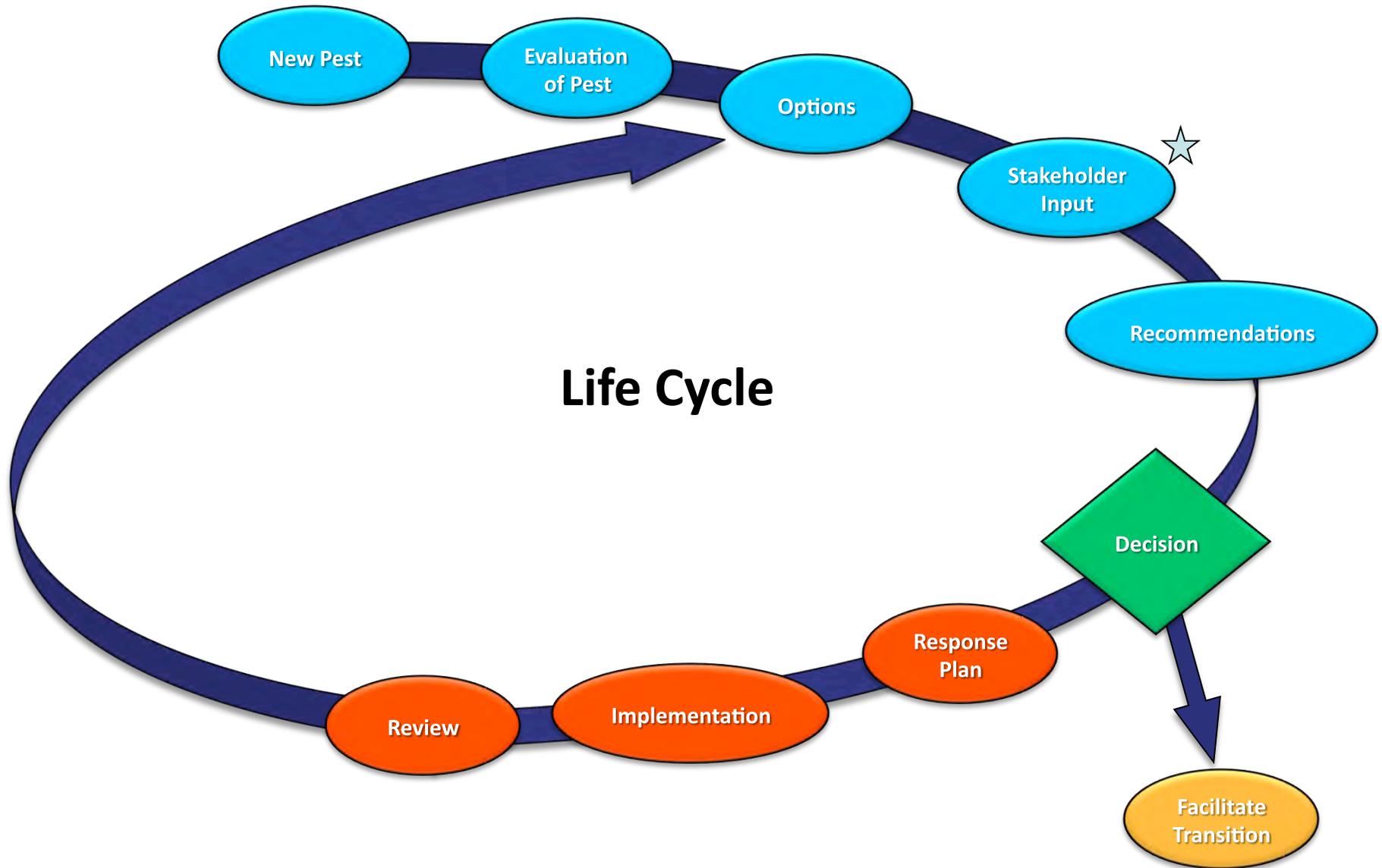


# How does APHIS deal with new pests?

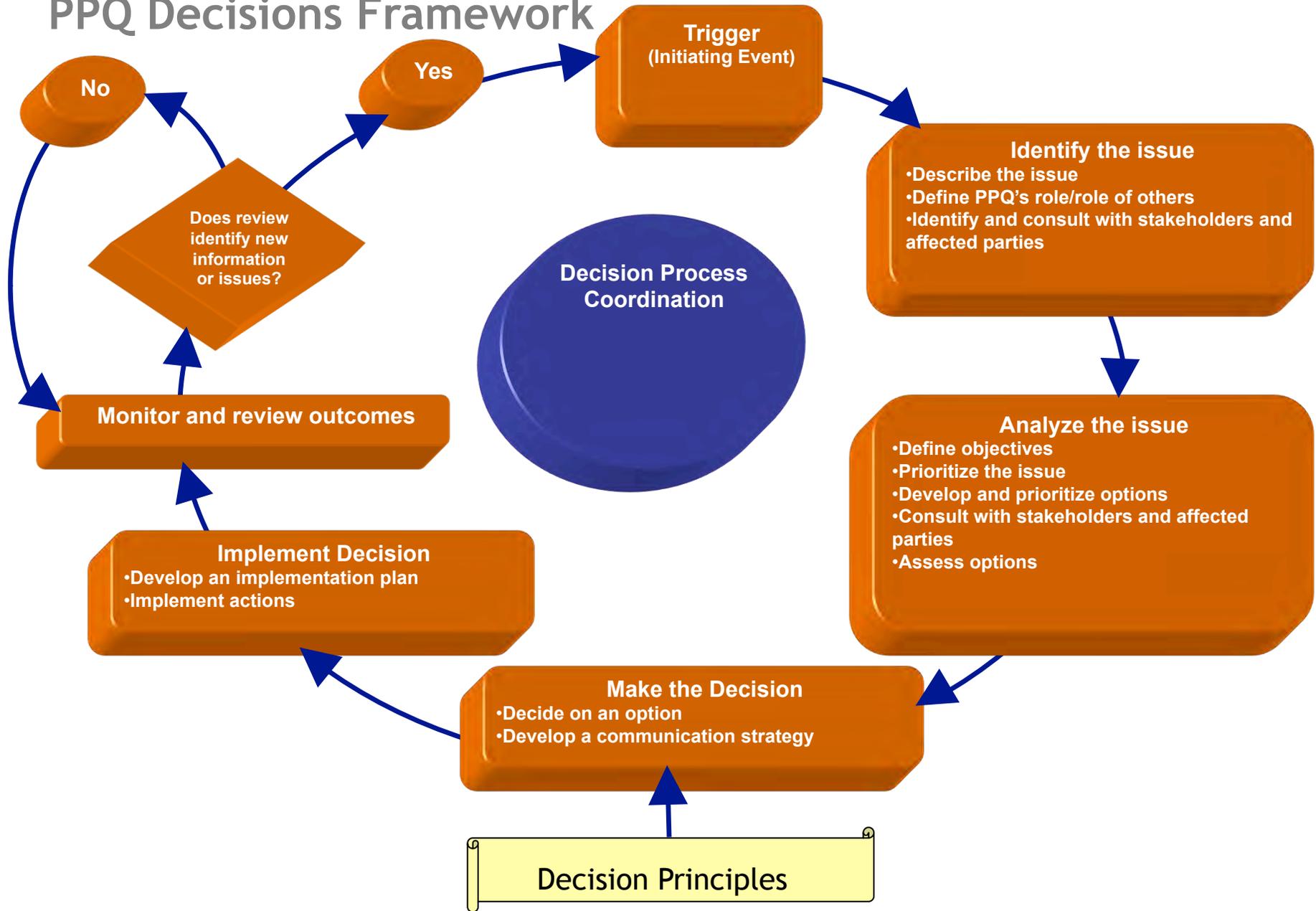
## What is the regulatory decision making process?



# Plant Health Emergency



# PPQ Decisions Framework



**Gathering information and consultation may occur at any step**

# Biocontrol Before Release

Authority: Plant Protection Act of 2000

- Permit to import into containment
- Scientist conducts research on proposed agent
- Scientist submits petition to TAG or NAPPO
- APHIS review of petition and recommendations
- Endangered Species Act
- National Environmental Policy Act (NEPA)
- Tribal Consultations
- Final APHIS review and permit decision



# Environmental release

- Biocontrol agent released into the environment
- Follow up monitoring of target pest and agent





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**What does it mean when PPQ provides funding for research?**

**What does it NOT mean?**



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Natural enemies used in PPQ biocontrol projects are not exempt from the regulatory process.

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# Safeguarding American agriculture and natural resources



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