

CDFA

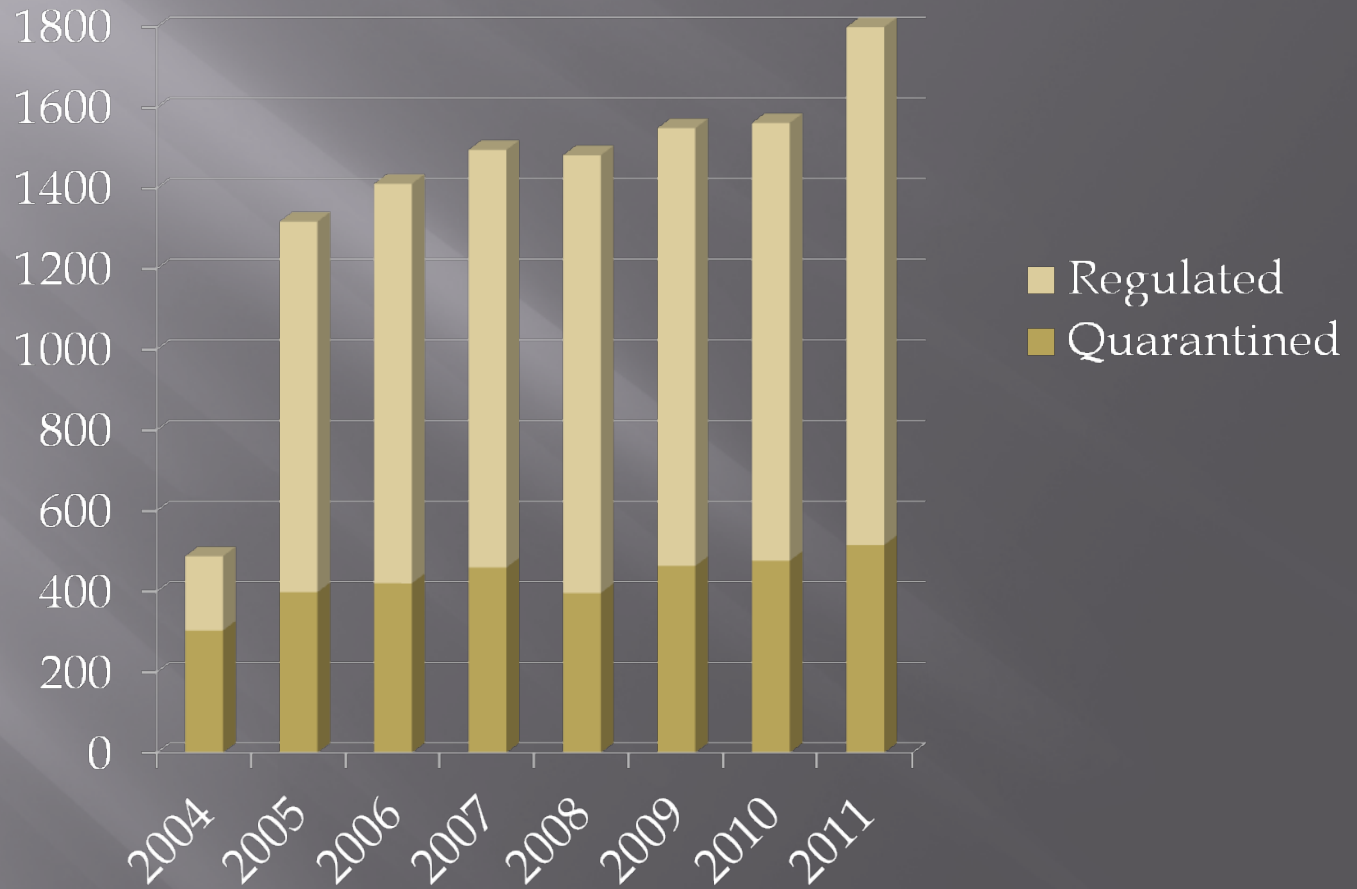
Phytophthora ramorum

PROGRAM UPDATE
Interior Pest Exclusion

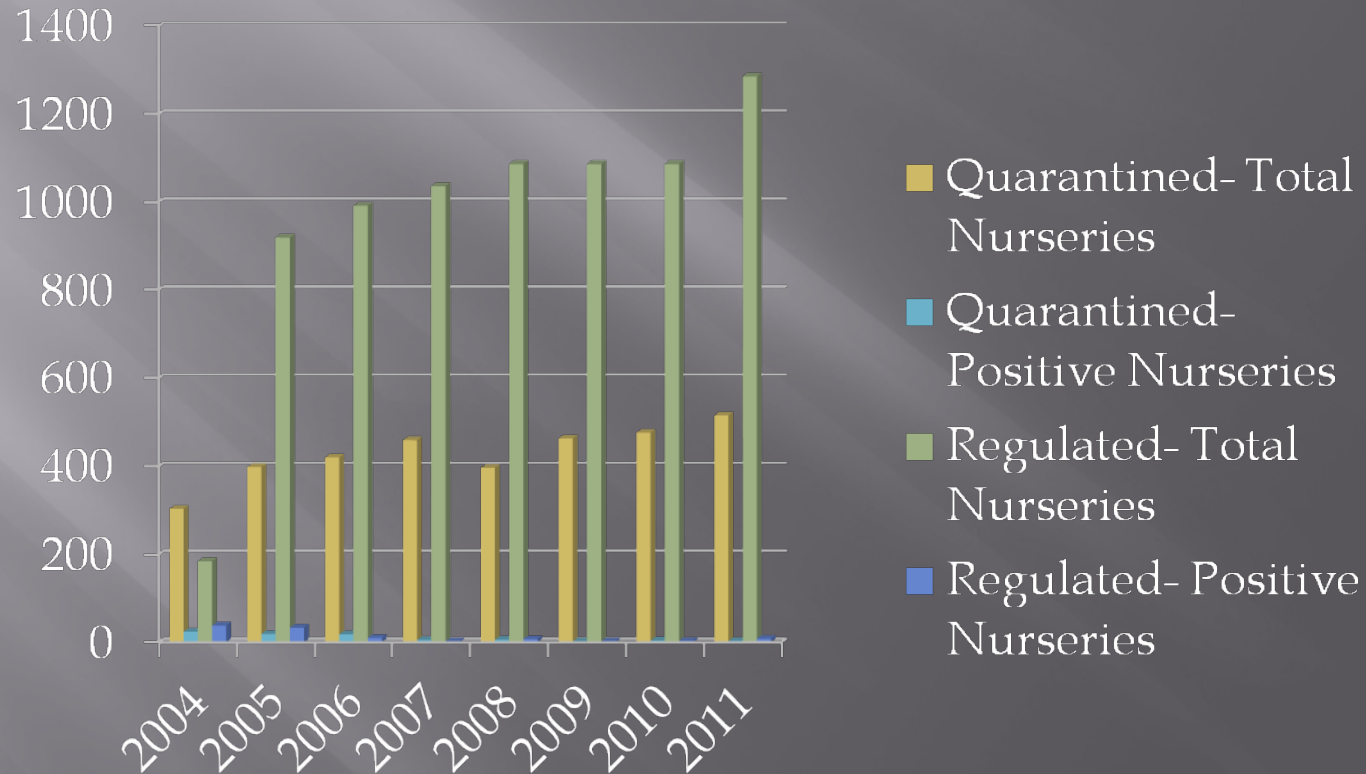


CALIFORNIA *P. ramorum* PROGRAM

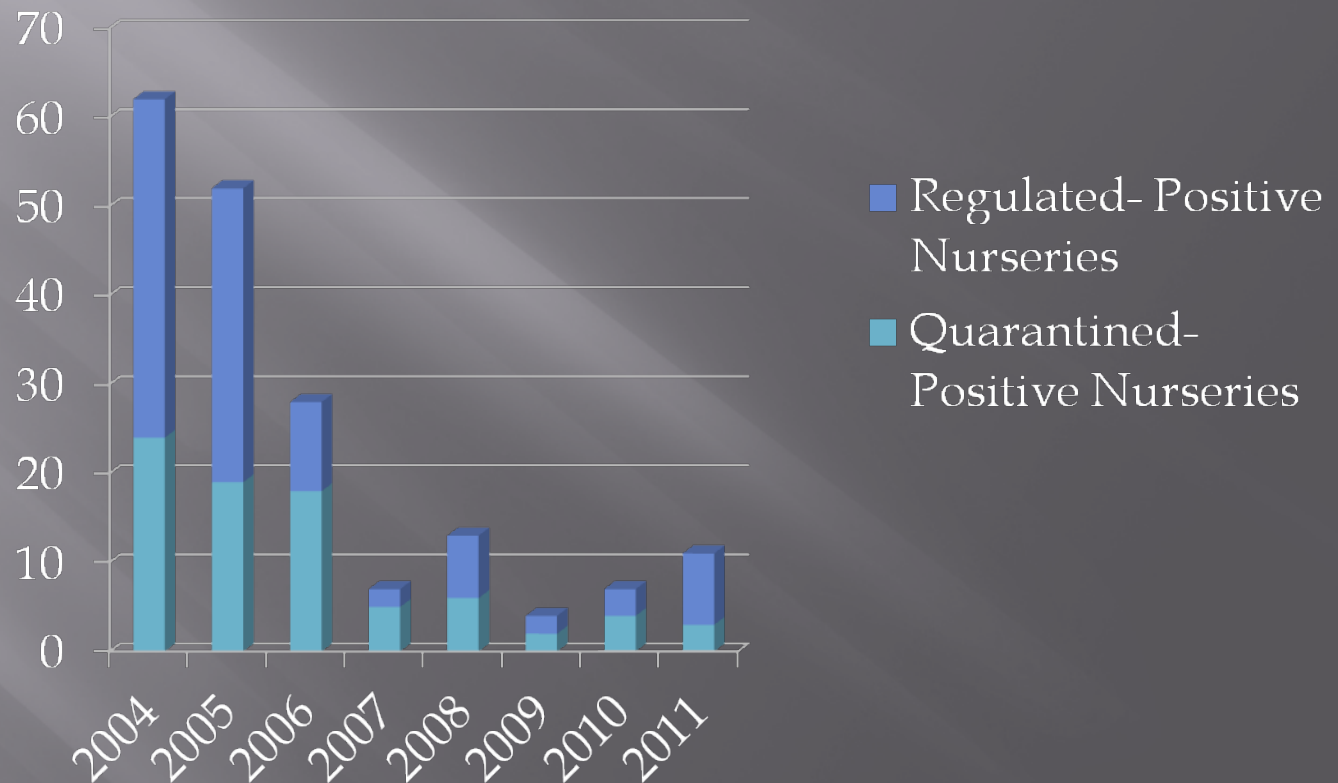
Number of Regulated Establishments by year



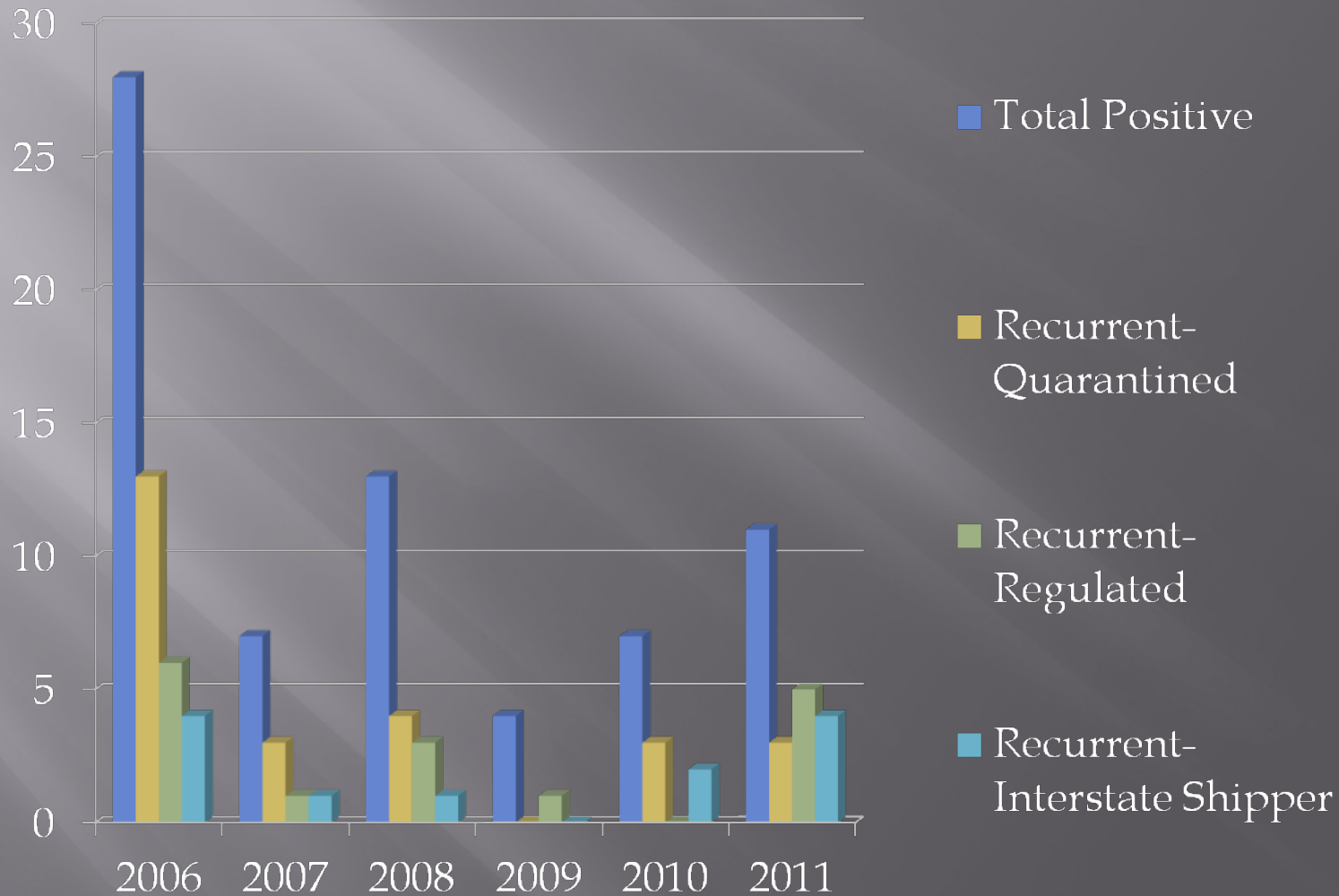
Total Nurseries vs. Total Positive Nurseries



POSITIVE CA NURSERIES BY YEAR



RECURRENT NURSERY SUMMARY



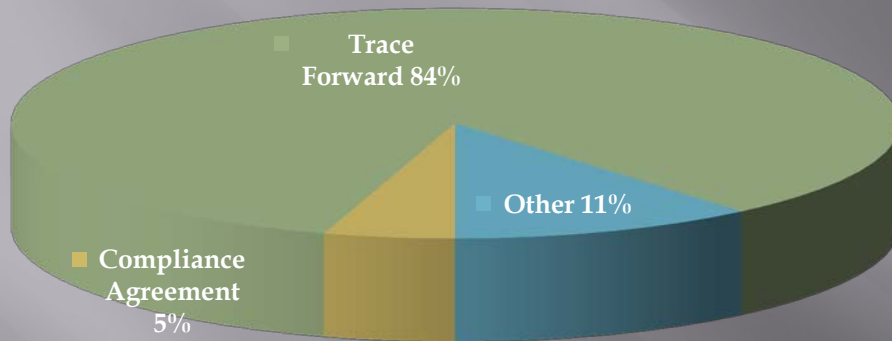
Nursery Inspection



POSITIVE CA NURSERIES BY INSPECTION TYPE

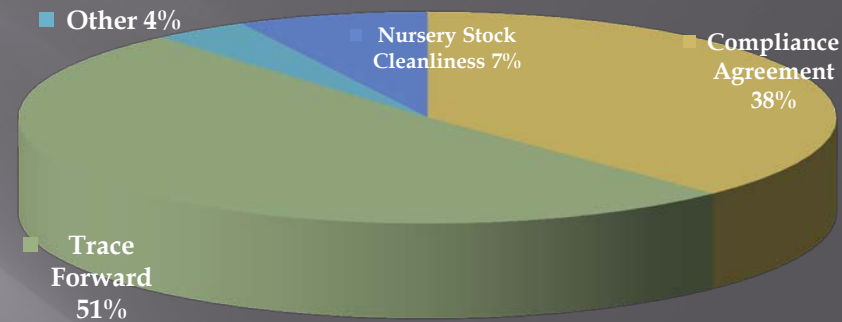
2004

63 Positive Nurseries



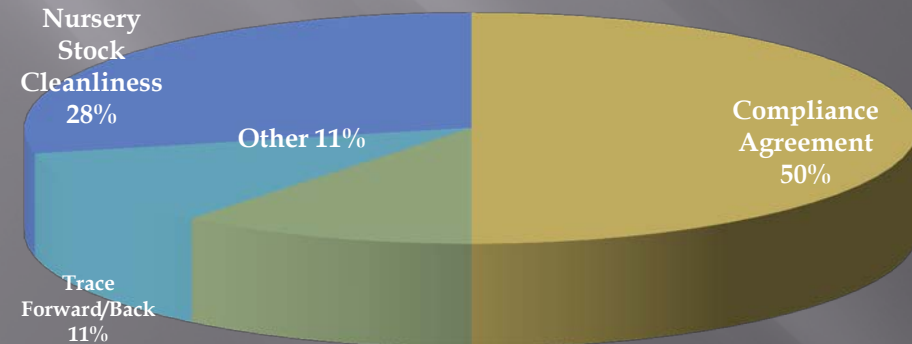
2005

53 Positive Nurseries



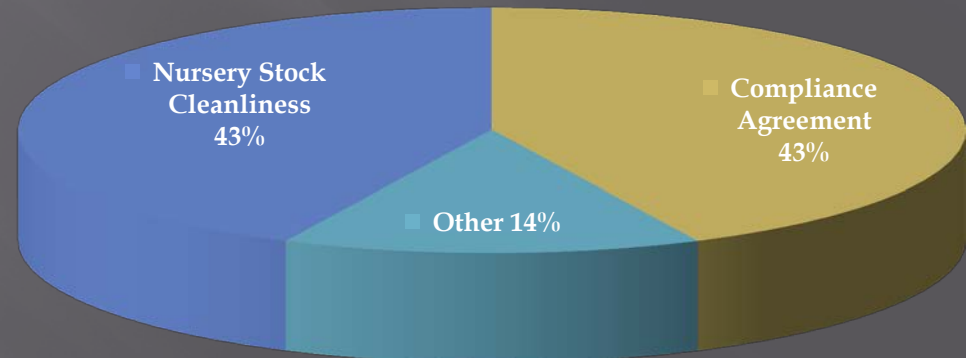
2006

28 Positive Nurseries



2007

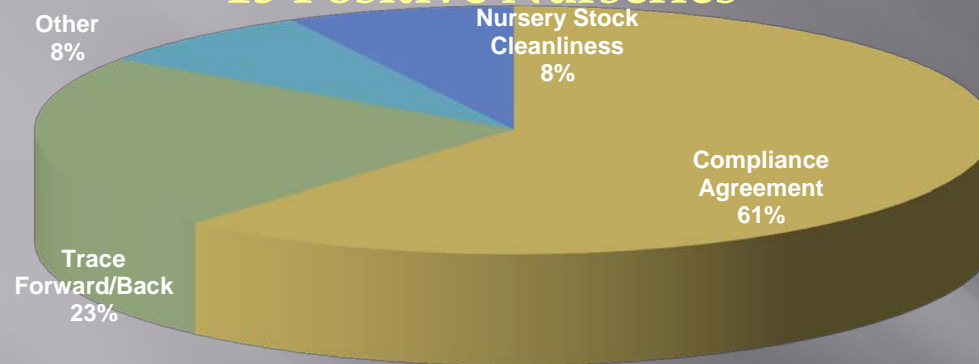
7 Positive Nurseries



POSITIVE CA NURSERIES BY INSPECTION TYPE

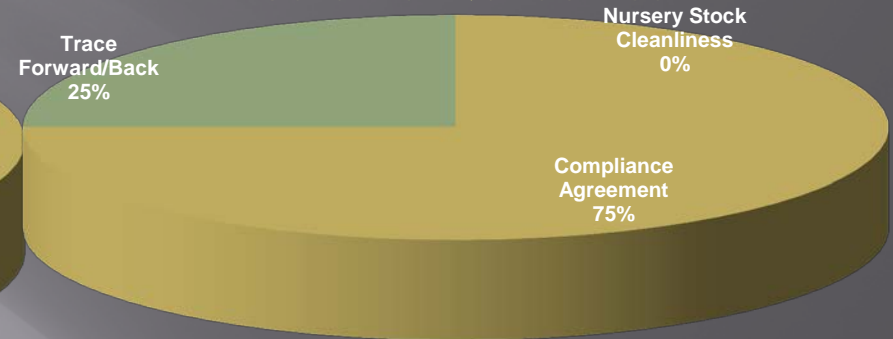
2008

13 Positive Nurseries



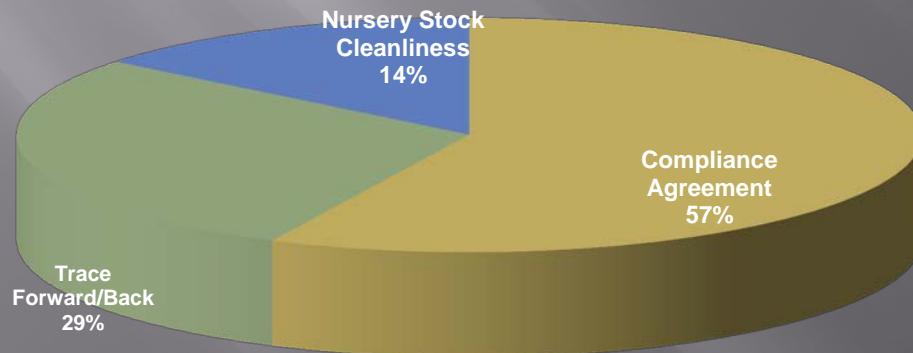
2009

4 Positive Nurseries



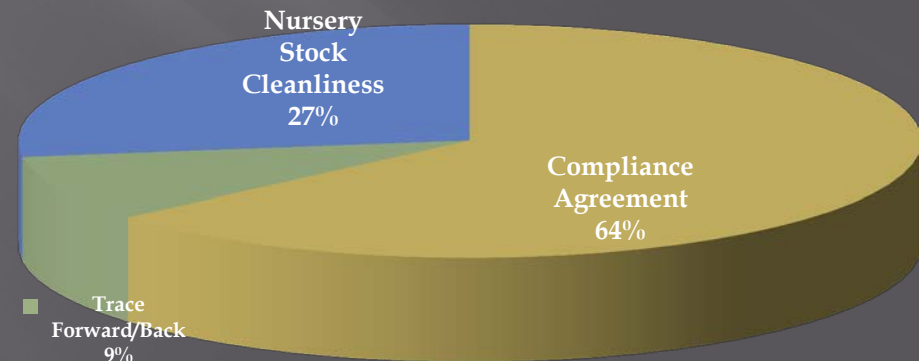
2010

7 Positive Nurseries

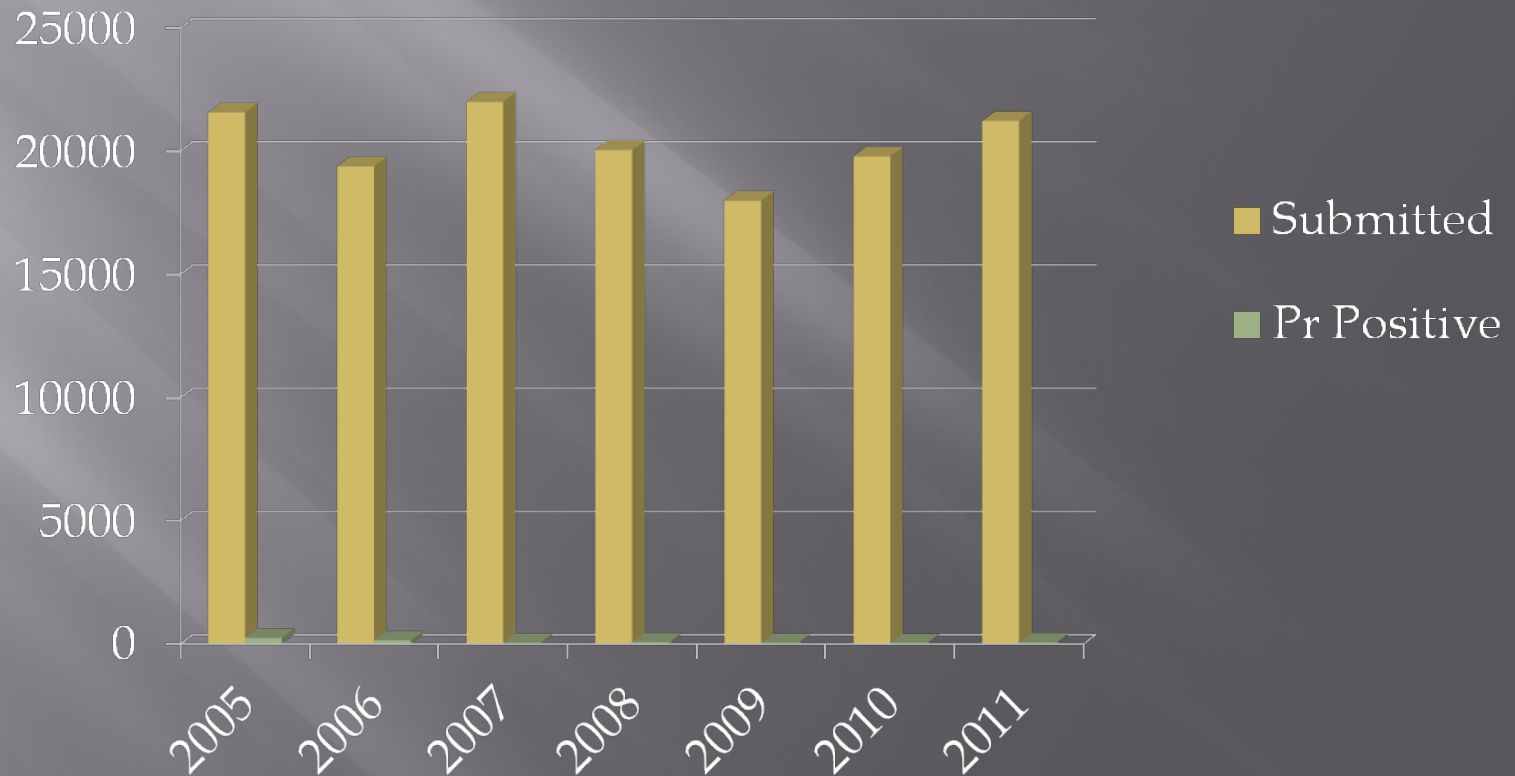


2011

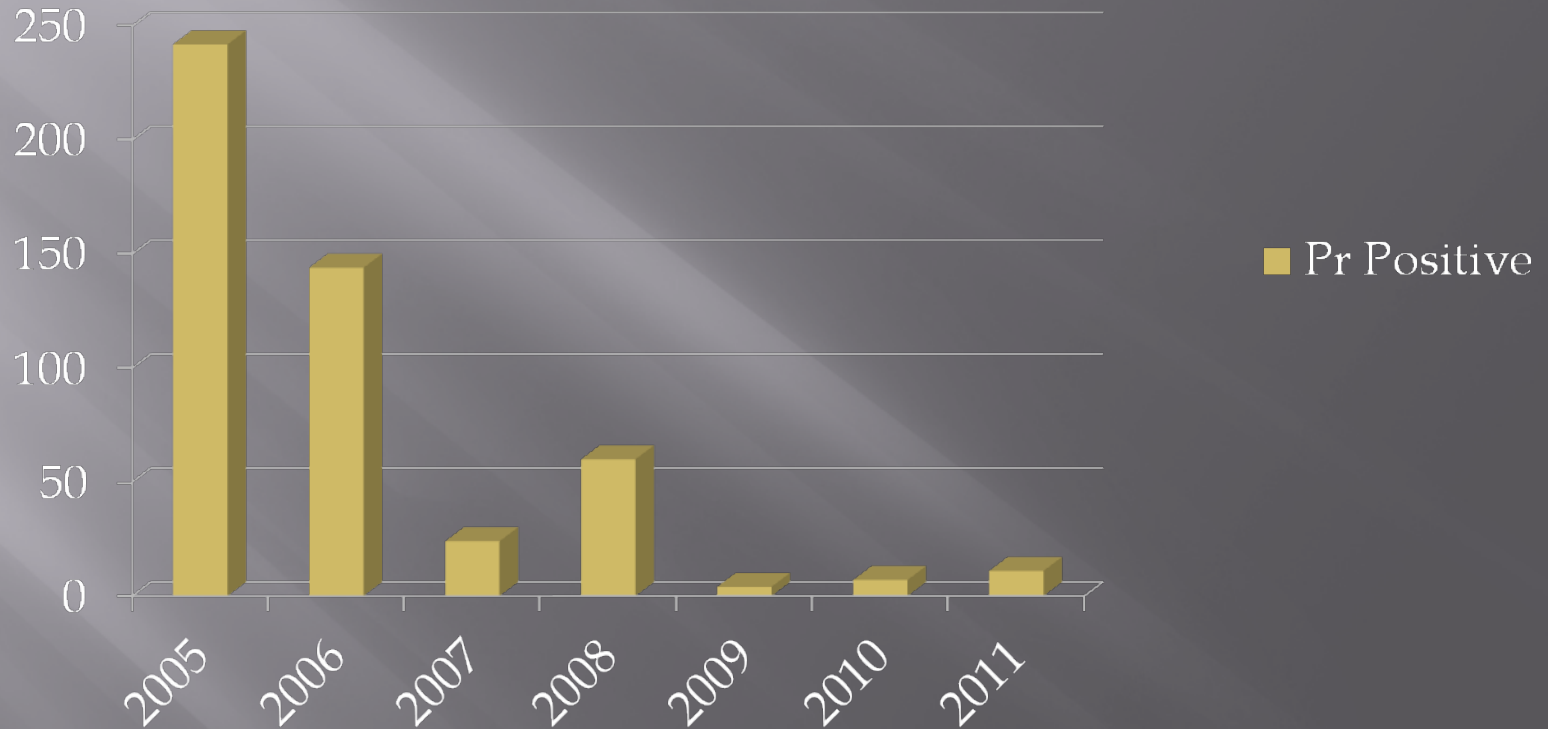
11 Positive Nurseries



P.ram. Nursery Samples Submitted vs. Positive Sample Determinations



P.ram. NURSERY POSITIVE SAMPLES BY YEAR

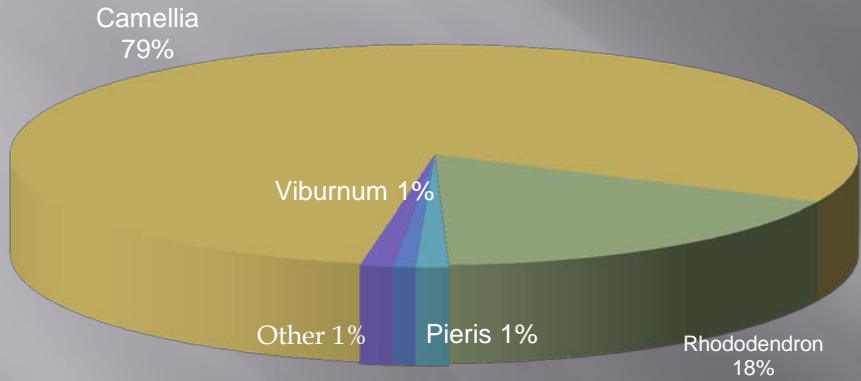


P. ramorum Diseases

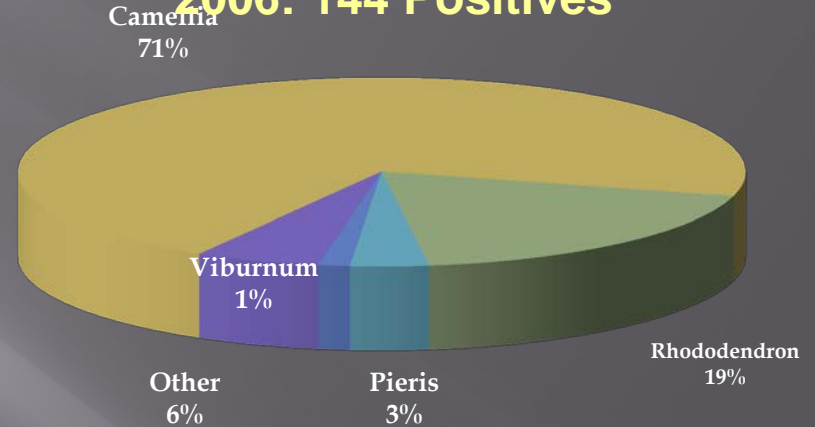


POSITIVE SPECIES IN CA NURSERIES

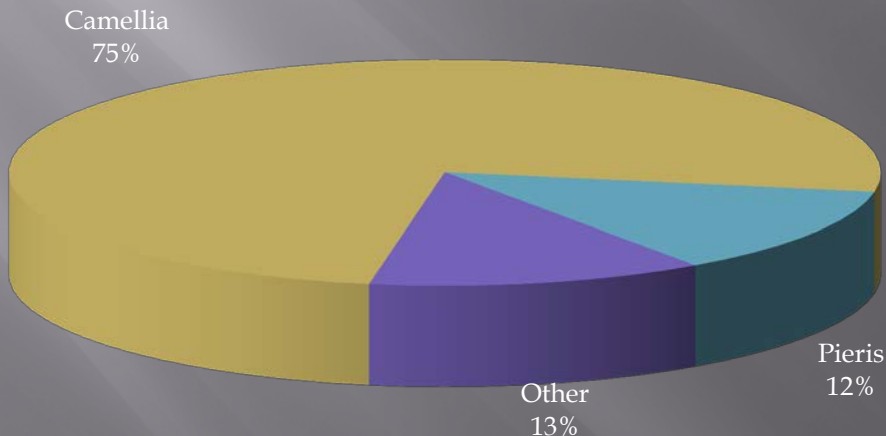
2005: 242 Positives



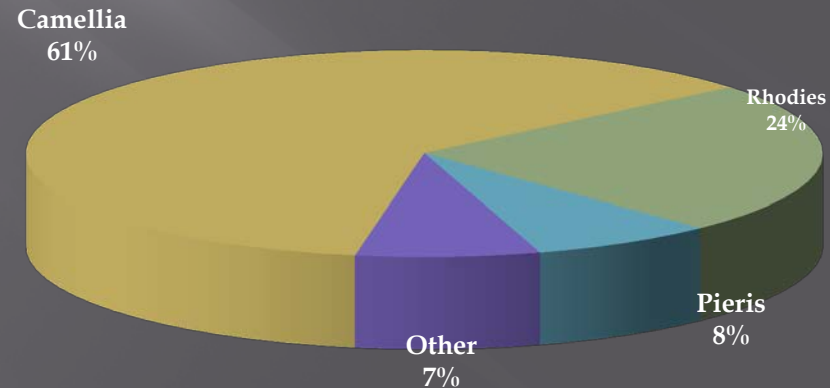
2006: 144 Positives



2007: 24 Positives

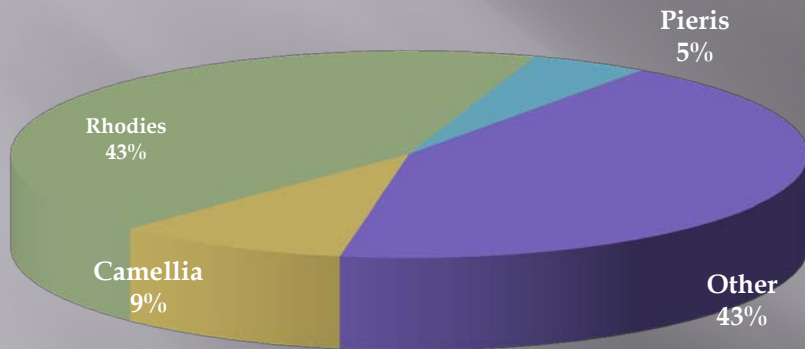


2008: 67 Positives

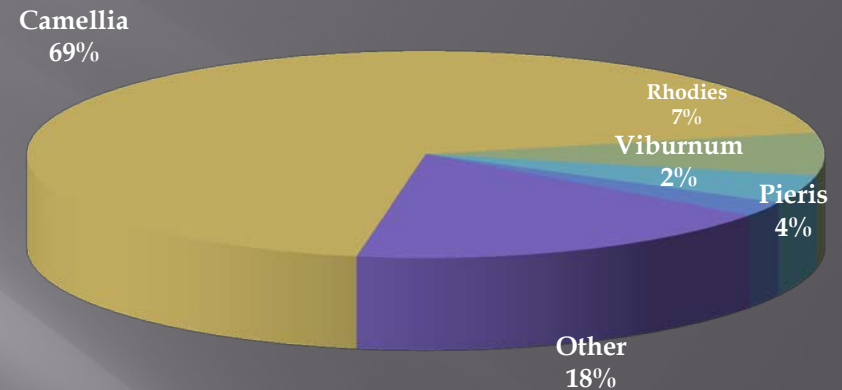


POSITIVE SPECIES IN CA NURSERIES

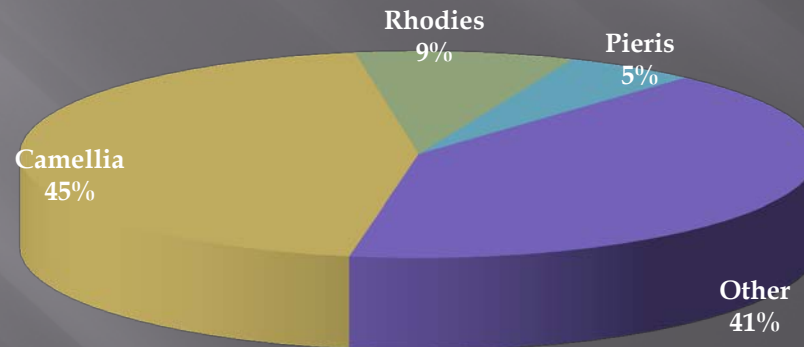
2009: 9 Positives



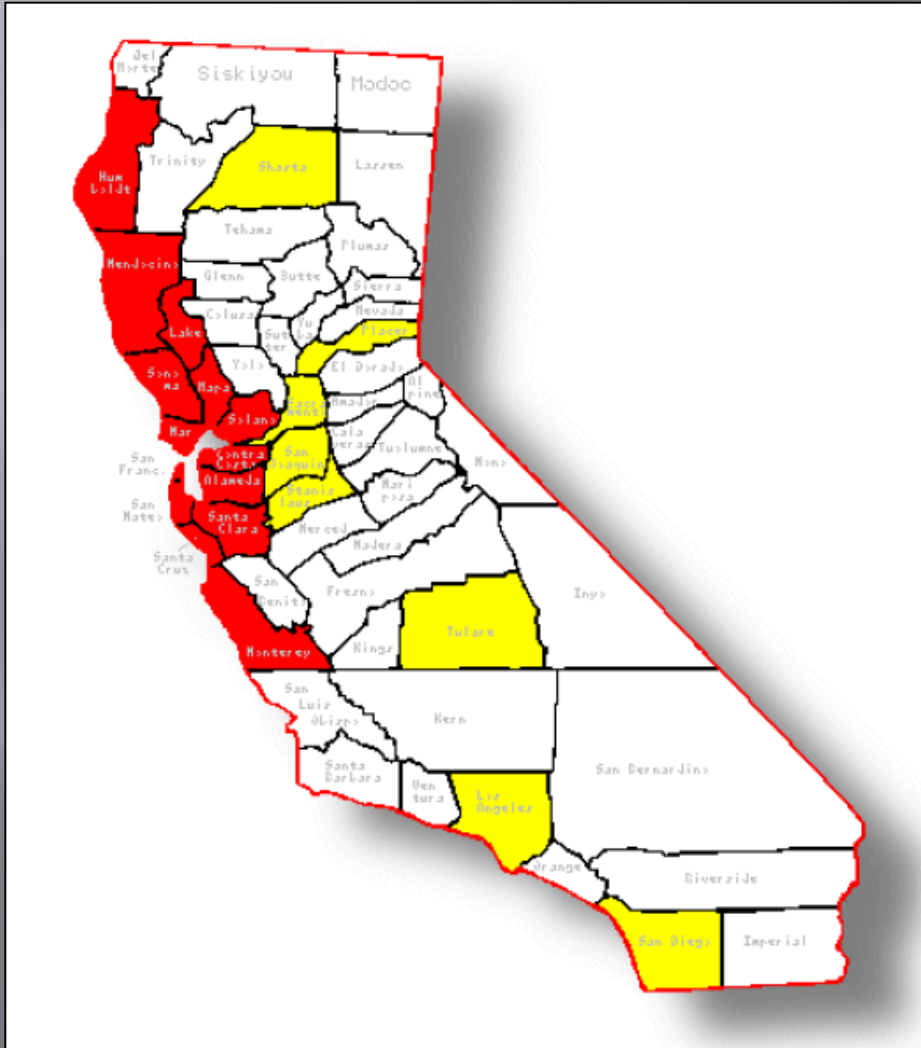
2010: 45 Positives



2011: 56 Positives



California Counties Covered by the Pre-notification Requirement



Red=Quarantined Counties

Yellow=Regulated Counties
with one or more interstate
shipper that tested positive for Pr



Nursery Industry of California Best Management Practices Program

WHAT ARE BEST MANAGEMENT PRACTICES?

- ▣ Basic, common sense practices previously known by most of us as good phytosanitary measures and methods.

WHO COMPILED THIS LIST OF BMPS?

- ▣ Members of industry, state departments of agriculture, university, federal agencies, scientists, among others, have compiled the best management practices deemed essential in the production of healthy nursery stock. They have been reviewed, revised, rewritten and revisited again. Not set in stone and open for additions, revisions, or deletions, this set of BMPS is a fluid document. Intended to be adaptable to the various nursery settings.



Primary Collaborators

- ▣ **ANLA/HRI**
- ▣ **CANGC**
- ▣ **OAN**
- ▣ **WSNLA**
- ▣ **CDFA**
- ▣ **ODA**
- ▣ **WSDA**
- ▣ **Nursery Operations**
- ▣ **Land Grant universities**
- ▣ **USDA – APHIS**
- ▣ **USDA – ARS**
- ▣ **National Plant Board**



Recommended Best Management Practices (BMP) for the prevention of *P. ramorum* introduction or establishment in Nursery operations

- ▣ Developed using NAPPO RSPM 24
- ▣ Reviewed by researchers, regulators and industry in multiple states
- ▣ Based on best available science
- ▣ Collaborative development & 'vetting to industry'
- ▣ Weighted focus on High Risk plants

What is driving the demand to
implement “a clean stock
program”?



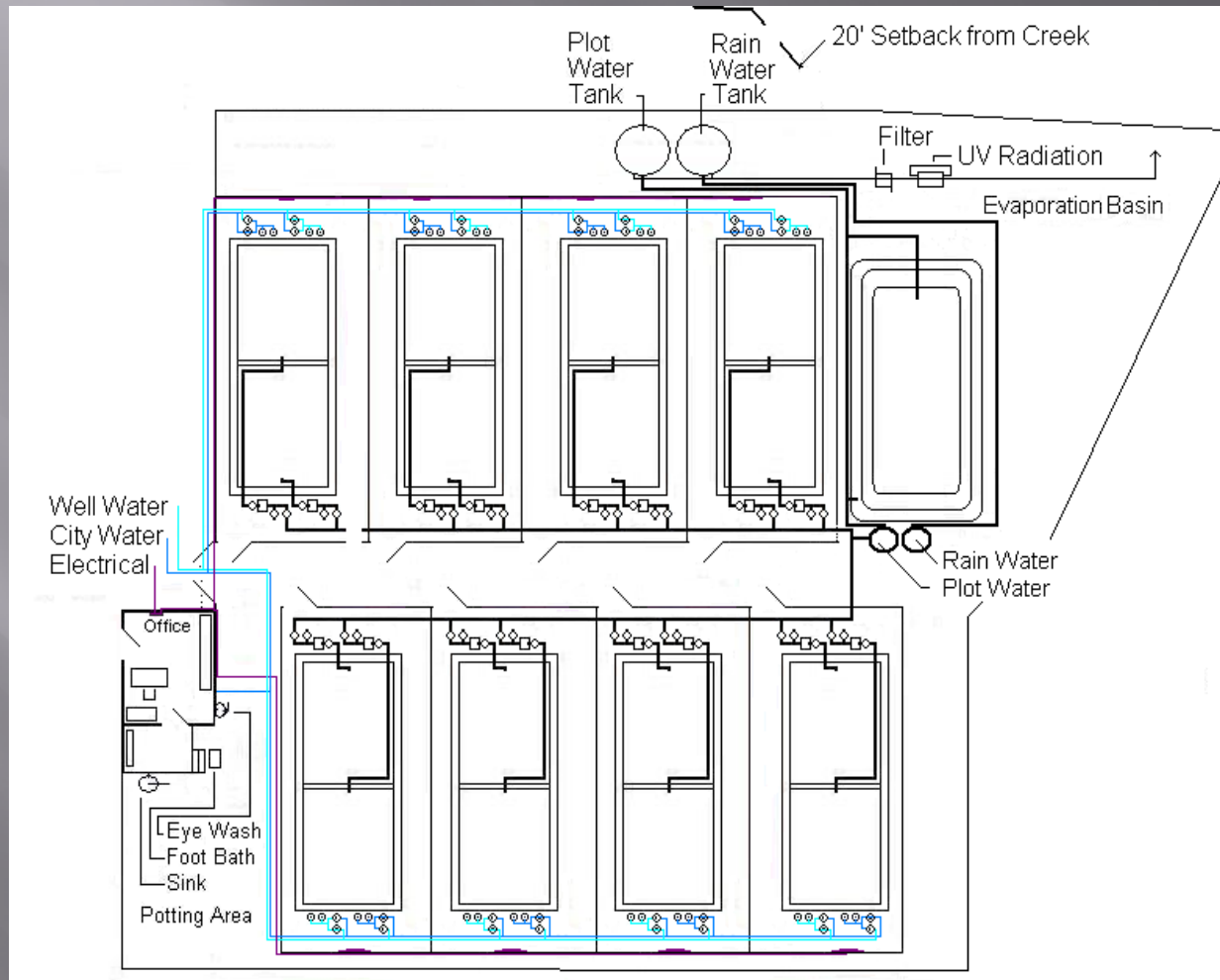
Drivers in This Process

- ▣ Continued disease presence
- ▣ Protection of the natural ecosystem
- ▣ Protection of the nursery industry
- ▣ Regional concerns – CA,OR,WA
- ▣ National concerns – NPB
- ▣ Bilateral (US – Canadian) trade

National Ornamental Research
Site

Dominican University of
California

Forest Meadows 1



Site Construction: Nov. 10, 2009













15 9:42 AM



Thank You!

CDFA Biologists

- ▣ Amber Morris
- ▣ Erin Lovig
- ▣ Ruben Arias

Kathy Kosta

Primary Plant Pathologist

Pest Exclusion Branch

California Department of Food and Agriculture

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