



University of California

Nursery and Floriculture Alliance



# **Best Management Practices Programs for CA Nurseries: Review and Outlook**

**Salinas, CA  
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## Introduction to Best Management Practices (BMP's)

- What are Best Management Practices (BMP's)?
- What is at risk?
- What is the threat?
- What are examples of various BMP programs
- What is the concern?



# What are Best Management Practices (BMPs)?

## Definition

Nursery BMPs are phytosanitary measures and methods that result in the production of pest-, disease-, and weed-free plant material.

## CDFA Nursery Program

The mission of the Nursery Program element is to prevent the introduction and spread of agricultural pests through nursery stock and protect agriculture and the consumer against economic losses resulting from the sale of inferior, defective, or pest-infested nursery stock.



## What is at risk...agricultural trade?

- International

	Fiscal Years				
	2009	2010	2011	2012	
	Billion dollars				
Agricultural Exports	96.295	108.563	137.380	135.775	41% increase
Agricultural Imports	73.404	78.961	94.506	103.372	41% increase
Trade Balance	22.891	29.602	42.873	42.879	

- California

- 2011 Value = \$43.5 Billion

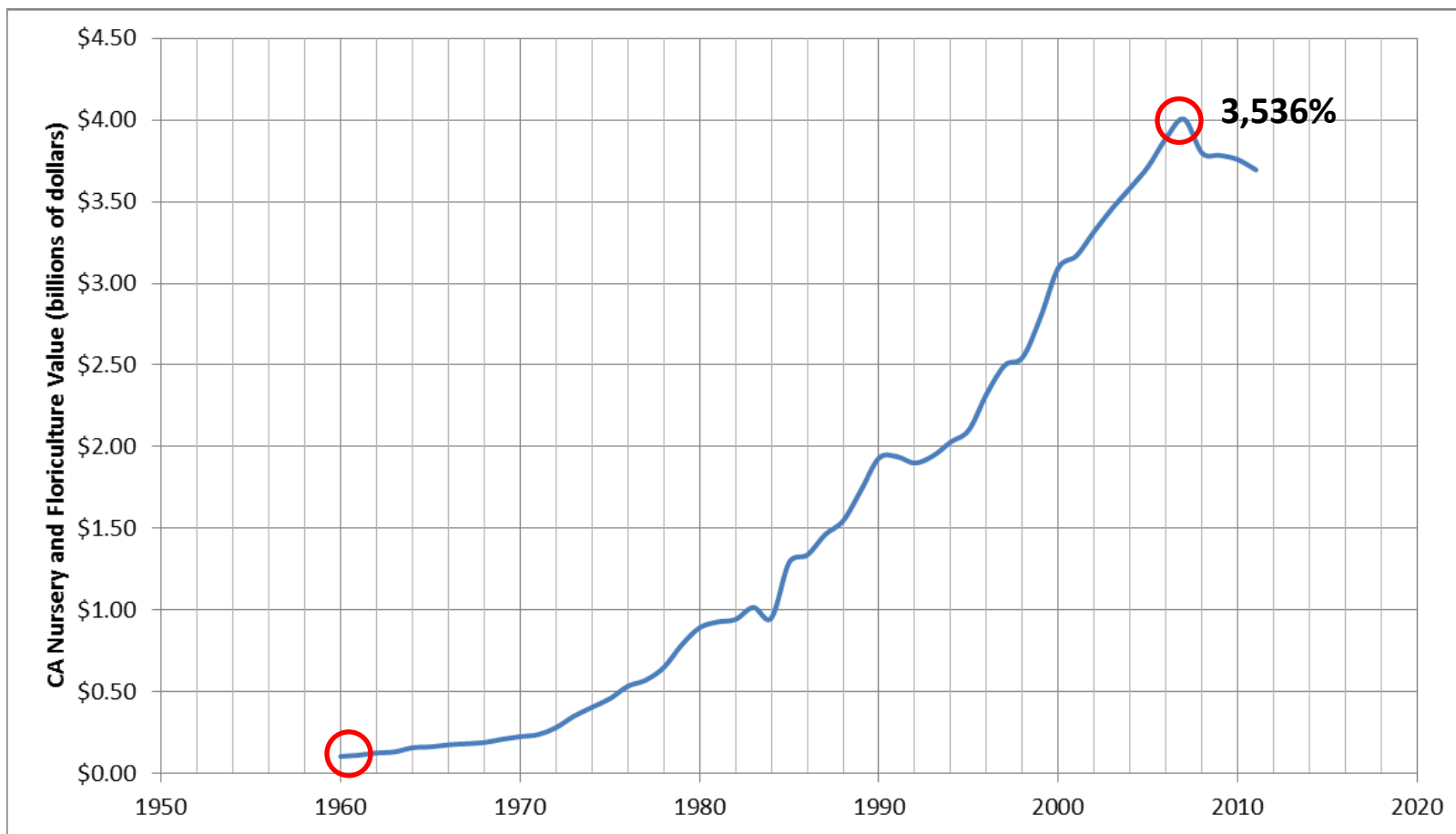
- 2009 Value = \$34.6 Billion

~ 26% increase!



## What is at risk...agricultural trade?

- California Nursery & Floriculture Value





## What is the threat...pest du jour?





## What is happening with BMP's?

- International Level
  - Plant Passport (Europe)
  - US Nursery Certification Program (USNCP)
    - US and Canada
    - [http://www.aphis.usda.gov/plant\\_health/acns/downloads/faqs-usncp.pdf](http://www.aphis.usda.gov/plant_health/acns/downloads/faqs-usncp.pdf)
- National Level
  - Systems Approach for Nursery Certification (SANC)
    - [http://nationalplantboard.org/docs/sanc\\_fact\\_sheet\\_final.pdf](http://nationalplantboard.org/docs/sanc_fact_sheet_final.pdf)
- State Level
  - Growers Assisted Inspection Program (GAIP) in Oregon
    - <http://www.oregon.gov/ODA/PLANT/nursery/Pages/gaip.aspx>
  - CDFA discussing changes to the Nursery Licensing & Certification Programs
    - New Nursery Stock Certificate Program (3-Tiered System)
  - CDFA BMP Program for *Phytophthora ramorum* (Sudden Oak Death)
- Nursery Association Level
  - CANGC BMP project for CA nursery growers



## Why do I need to be concerned?

- There will be more pest & disease introductions in California.
- The nursery industry is “viewed as a vector” of exotic pests & diseases.
- Due to budget cutbacks at both the federal and state level, there will be limited money for combating these pests.
- CDFA Nursery Program, as well as many other CDFA programs, have been severely impacted, both money and resources, the past 5 years.
- CDFA is currently exploring a tiered nursery license program
- National Plant Board (NPB) desires to “pilot” a Systems Based Nursery Certification program for 2013. A meeting will convene in early 2013 between members of USDA APHIS, NPB and ANLA.
- Although the discussions have been about a “voluntary” nursery certification program for growers, this can change in the future...
- So is the real question, “when will it be regulatory?” and not “if it will be regulatory?”