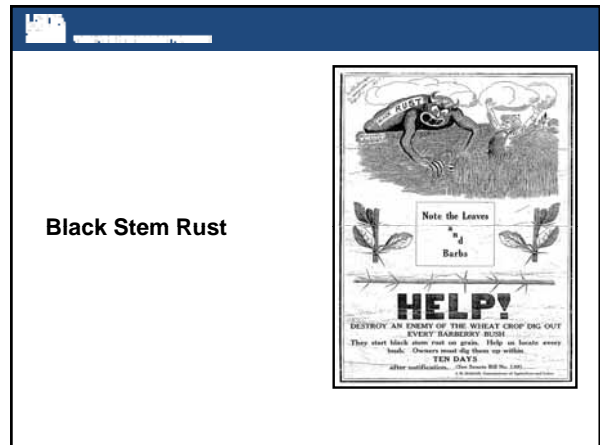


# APHIS Legacy Programs

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- ## Legacy Programs
- What is a legacy program?
  - Black stem rust
  - Imported fire ant
  - Karnal bunt
  - Pine shoot beetle
  - *Phytophthora ramorum*

- ## What is a legacy program?
- All PPQ programs, legacy or not, are regularly evaluated to ensure goals are being met.
  - Legacy program differ from “non-legacy” programs in that the legacy programs are at a stage where a concentrated assessment to determine the future direction of the program is appropriate.



## Black Stem Rust - Historical Objectives


- Role in maintaining the resistance in small grain crops
- Reducing the chances of new rust races developing
- 1917: Barberry Eradication Program initiated
- 1919 : Federal Quarantine established
- 1981 : USDA eradication program officially ends

## Current Activities: Regulation 7 CFR 301.38

- Rust resistant varieties
- Screening for rust resistance
- Inspections of nurseries under Compliance Agreements
- Program managed through Cooperative Arrangements

**Non-regulatory Activities**

- Develop barberry fingerprinting methods
- Survey barberry varieties in nursery trade
- Archiving historical data for survey
- PPQ role – facilitation and permits for research

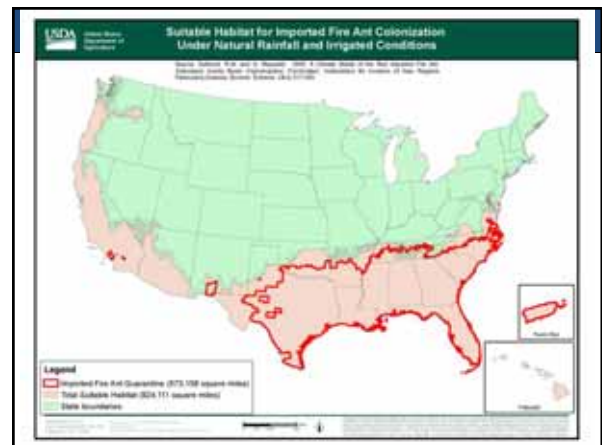


Archiving and Digitizing Barberry Eradication Records

**Future Direction / Activities**

- Obtain Industry support for resistant testing
- Continue to support efforts to expand exports (BSR resistant varieties)
- Request NPB and grain industry for feedback on future program direction (Is there a better way to preserve rust resistance?)


**Imported Fire Ant**



**Future Program Emphasis**

- End phorid fly production
  - Save \$180,000
- Continue to enforce quarantine
- Continue development of treatments
- Need to conduct cost-benefit Analysis

**Karnal Bunt**



### Why regulate and conduct national surveys?

- 44 states at medium/high risk
- The presence of KB in the U.S. has significant economic ramifications.
- Many U.S. trading partners will not accept U.S.-origin wheat unless the wheat is certified to be from areas of the U.S. where KB is not known to occur.
- Reduction of national net farm income of \$8 billion over a 5-year period, if the program ended

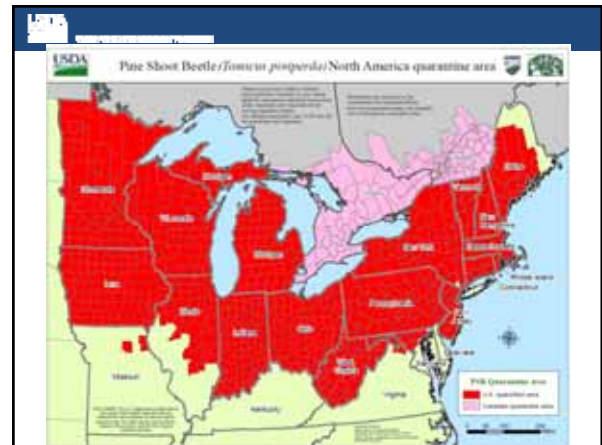


### Karnal Bunt Program Strategy

- Maintain regulations to prevent the spread of KB
- Coordinate and support national survey & KB national lab
- Continue to deregulate acreage in the U.S.
- Conduct cost benefit analysis of long term impact of deregulation



### Pine Shoot Beetle



### Is it time to deregulate?

- Concerns
  - Effect of PSB on southern pine forests
  - Effect of PSB on western pine forests
- Support
  - Little evidence of damage in infested areas
  - Regulatory program may not be effective

### Current Plans

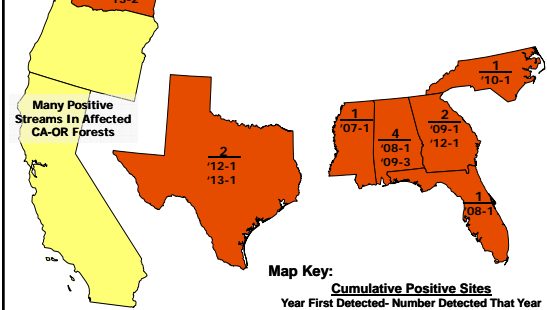
- Continue current levels of support near-term
- Evaluate results of economic analysis
- Conduct overall program review



### Regulatory Survey: Non-Regulated

- *P. ramorum* Farm Bill national surveys are conducted annually in over 400 nurseries in the non-regulated states
- CAPS and Forest Service surveys are also conducted.
- Since 2005, *P. ramorum* has been detected on host plants and also in soil, irrigation or holding ponds, and potting medium in several non-regulated states
  - These detections are mostly in retail establishments, but also in a few inter-state shipping nurseries

### USFS National Early Detection Survey of Forests: *P. ramorum* Stream Positives, 2006 - June 2013



### Challenges and Opportunities

- Reduced Federal and State funding and resources
- Yearly occurrence of trace incidents and resulting investigation is resource intensive
- Diseased plants are regulated, not the pathogen
- Soil and / or water positive nurseries in non-regulated states
- Need to implement major concepts of the program review.

### Consistent Themes

- Some of the clear messages we have heard include:
  - Regulate the pathogen, not just the disease.
  - Program needs to address *P. ramorum* in irrigation water
  - Risk based strategic use of resources to address *P. ramorum* movement in nursery stock nationally
  - Implement a system of voluntary / mandatory BMP's in positive nurseries, especially in repeat positives

### Major Concepts in Proposed Rule

- 1) Maintain the regulatory status of areas currently quarantined for SOD (14 Counties in CA and Curry County, OR).
- 2) De-regulate regulated areas, along with inter-state shippers of host plants that have been always negative for *P. ramorum* and non-host nurseries
- 3) Regulate nationally only those nurseries that ship interstate and are also confirmed for the presence of *P. ramorum* in plants, water, soil, or on any related articles (14 States potentially impacted)
- 4) Positive nurseries would be required to implement BMP's options based on Critical Control Points identified by a regulatory assessment team

### *P. ramorum* Program Next Steps

- Issue Federal Orders to:
  - Provide for Advance Notification (Complete)
  - De-regulate non-host nurseries (Complete)
  - Regulate nationally for the presence of the pathogen in inter-state shippers of host plants
  - De-regulate regulated areas in CA, OR and WA
  - Maintain status quo in the quarantined areas in CA and OR
- Regulations cannot solve all the current issues related to *P. ramorum*.



## Questions?

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