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## Cooperative Agriculture Pest Survey (CAPS)

### 2012 Western Plant Board: Program Updates

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## 2013 CAPS National Survey Guidelines

- The CAPS Program is continually evolving
- NCC & constituencies input incorporated
- Some changes from 2012 are small clarifications, others may involve a cultural shift in the way we collect, manage, and report data.



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## 2013 CAPS National Survey Guidelines

- retain focus, format, policy, and philosophy of the previous Guidelines
- centered on the 'bundled survey' concept
- emphasis for surveys based on commodities, environments, habitats, industries, businesses,
- and the continuum along pest introduction pathways

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## 2013 National Survey Guidelines: Funding

- States should plan on 2012 funding for 2013
- Be prepared for reduction
  - + up to 22% has been discussed
- Format: Infrastructure and Surveys

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**2013 National Survey Guidelines: Infrastructure**

- Continued support of the State Survey Coordinator (SSC) position and critical infrastructure
- Tier 2 Infrastructure has been eliminated
- States cannot exceed 2012 Infrastructure funding
  - + may reduce Infrastructure and apply the difference to survey(s).

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**2013 National Survey Guidelines: Survey**

- Surveys guidelines now split between CAPS and Farm Bill
  - + clear distinction between specialty crops and other commodity and taxonomic based surveys
- State Discretionary surveys have been eliminated
  - + Pests of state concern should be bundled
  - + Eliminates need for 75/25 funding formula

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**CAPS vs FB in 2013**


- CAPS
  - + Commodity-based Surveys: Corn, Cotton, Oak, Pine, Small Grains – wheat, oats, barley, rye, Soybean
  - + Taxonomic group-based surveys: Exotic Wood Borer and Bark Beetle (EWB/BB) and Cyst Nematodes
- Farm Bill Survey- Specialty Crops
  - + Stone Fruit – peaches, nectarines, cherries, plums, prunes, Grape, other Specialty Crops

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**2013 National Survey Guidelines: Infrastructure**

- New reporting section with suggested metrics
  - + updated Appendix P-1 of the 2013 Guidelines
  - + better capture activities funded w/Infrastructure
  - + better performance measures support budget requests


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### Internal Driving Forces

- **Accountability of Funds Provided**
  - + PPQ accountable for CA funds
- **Program Performance Measures**
  - + requested reports
  - + budget documents and scenarios


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### Pest Detection / CAPS Performance Measures & Statistics

Performance Measure	FY 2010 Results	FY 2011 Results	FY 2012 Results
<b>CAPS Participation</b>			
Total number of states/territories	53	54	53
All states plus these territories	PR, STX, Guam	PR, STX, Guam, CNMI	PR, STX, Guam
Number of states/territories with Infrastructure	53	51	52
States w/o Infrastructure	-	AZ, CNMI	AZ
Number of states/territories with Surveys	51	51	51
States w/o Survey	IA, NM	MO, AZ, NM	AZ, NM

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### Pest Detection / CAPS Performance Measures & Statistics

Performance Measure	FY 2010 Results	FY 2011 Results	FY 2012 Results
<b>CAPS Priority Pest List</b>			
Percent of target pests on the CAPS Priority Pest List for which surveys were conducted	88.5%	86.1%	79.0%
Total number of Priority Pests	122	122	124
Priority Pests targeted for survey	108	105	98
Priority Pests not targeted	14	17	26

As of today, 128 pests have Approved Survey Methods.  
This includes all Priority Pests, as well as a few others because of the immediate need.

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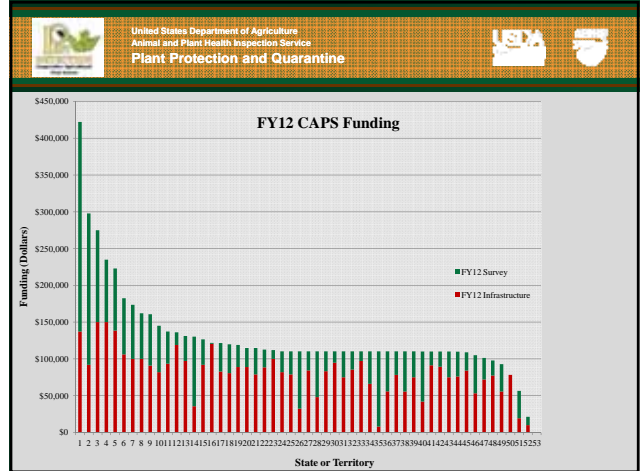
### Pest Detection / CAPS Performance Measures & Statistics

Performance Measure	FY 2010 Results	FY 2011 Results	FY 2012 Results
<b>New to the United States</b>			
Percent of significant pest introductions that were detected before they had a chance to spread from the original point of colonization and cause severe economical and/or environmental damage	88.9%	83.3%	-
New or re-introduced into the United States	28	21	12
Percent listed as reportable/actionable	96.4 % (27)	100%	11
Number on Priority Pest List	0	3	0

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**External Driving Forces**

- **Budget**
  - + Federal
  - + State
- **Fiscal Climate**
  - + Budget cuts
  - + Reduced funding
  - + Continuing resolutions



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**Options for Funding (a few of many)**

**Program Focus?**

- **Early detection of exotic species**
  - + Commodities
  - + Natural environments
- **Facilitate Trade**
  - + Exports
  - + Internal state-to-state
- **Both? How would that look?**

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**Options for Funding (a few of many)**

**Risk-based**

- **Pathways**
- **State Risk Model (Farm Bill project)**
- **Pest Risk – NAPFFAST**
- **Other risk data and models**
  - + New pest detections
  - + Database records



### Options for Funding (a few of many)

#### Performance-based

- Best Return on Investment (ROI)
  - + Value of a commodity in exports
  - + Sales receipts
- Negative data into positive movement of goods
- Does the investment in negative data result in a return many times greater than the cost of the negative data? - Maximum ROI
- Linkage between Risk and Performance?



### Options for Funding (a few of many)

#### Economic-based

- The cost of a response in the absence of survey
- VS
- The cost of a response with an early detection survey
  - State-by-State
  - Based on a commodity or individual pest species?



### Options for Funding (a few of many)

#### ???-based

- Other data that may be appropriate
  - + Total PPQ funding
  - + Deobligation trends
  - + What else?
  - + What is missing?
- How is all of this tied together?



### Challenge

- What is the optimum allocation of limited resources that will be economically
    - + Efficient
    - + Effective
    - + Sustainable
    - + Defensible
- in order to meet our core function and mission?



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## Cooperative Agriculture Pest Survey (CAPS)

- Valid Negative Data
  - + Approved Survey Methodology
    - ❖ Standardized methodology across the U.S.
- + Data Validation Upon Data Entry
  - ❖ Negative data must conform to the approved survey method for each pest



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**Cooperative Agriculture Pest Survey (CAPS)**

- **Pest Tracker** ([pest.ceris.purdue.edu](http://pest.ceris.purdue.edu))
  - + Public face of the NAPIS database
  - + County-level survey results
  - + Pest news and information
  - + State information
  - + Federal and State contacts
  - + Other resources, links, etc.

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[pest.ceris.purdue.edu](http://pest.ceris.purdue.edu)

The screenshot shows the Pest Tracker website with a green header and navigation menu. The main content area includes sections for 'HELP STOP EXOTIC PESTS', 'SUCCEED STORIES', and 'PILLS'. There are also images of insects and a map of the United States.

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Sirex Woodwasp, *Sirex noctilio* – 3-yr Survey Data

The map shows the United States with various states highlighted in green and purple. The green areas represent survey data, while the purple areas represent distribution data. The map is titled 'Sirex Woodwasp, *Sirex noctilio* – 3-yr Survey Data'.

Survey profile – not a distribution profile

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**Cooperative Agriculture Pest Survey (CAPS)**

- **CAPS program transitioning into IPHIS in coming years**
  - + working to improve data management
  - + 2012 Pilot (CO, ID, ME)
  - + a decision for data management in 2013 will be made around October 1, 2012.



### Other Initiatives on the table

- J-3 Interface online
- Survey Costs: Price per trap
- Cost Funding Determination Models



### Questions?

