Plant Protection and Quarantine
Safeguarding Agriculture, Facilitating Safe Trade

Osama El-Lissy
Deputy Administrator
Topics

• Organizational Updates
• Strategic Plan and Accomplishments
• 2016-2017 Initiatives
• Budget and Program Highlights
PPQ Management Team

Policy Management

Osama El-Lissy
Deputy Administrator

Alan Dowdy (Acting)

Matt Rhoads

Field Operations

Matt Royer

Ginger Murphy

Carlos Martinez

Science & Technology

Ron Sequeira

Phil Berger
Organizational Structure

Continue to refine PPQ’s organizational structure
• Implementing a 6-district structure in Field Operations
• Program implementation in the field will be managed by teams
• Increase efficient flow of information within the organization and between PPQ and key partners
• Increase effective delivery of programs
• Clarify roles and responsibilities and key points of contact
Six-District Structure

District  Personnel  SPHDs
1          205      4
2          323      8
3          206     10
4          339      9
5          674      7
6          302      6
Program Teams

- 62 programs organized into 6 teams
- Programs logically grouped by similarities, including budget line item
- Each team led by a Director with national scope
- Program Directors work closely together as a national team
State Plant Health Directors

### Contact Information

<table>
<thead>
<tr>
<th>State</th>
<th>SPHD</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE</td>
<td>Colleen Kitzmiller</td>
<td>302-744-1800</td>
</tr>
<tr>
<td>NJ</td>
<td>George Nelson</td>
<td>609-258-5242</td>
</tr>
<tr>
<td>WV</td>
<td>Justin Thaxton*</td>
<td>304-343-8585</td>
</tr>
<tr>
<td>CT</td>
<td>John Burch</td>
<td>814-322-4700</td>
</tr>
<tr>
<td>MA</td>
<td>John Burch</td>
<td>734-942-9005</td>
</tr>
<tr>
<td>RI</td>
<td>Tim Newcamp</td>
<td>717-241-0148</td>
</tr>
<tr>
<td>MD</td>
<td>Craig Kellogg</td>
<td>516-218-7510</td>
</tr>
<tr>
<td>NC</td>
<td>Mafalda Weldon</td>
<td>516-218-7510</td>
</tr>
<tr>
<td>NC</td>
<td>Deborah Stewart</td>
<td>919-855-7600</td>
</tr>
<tr>
<td>VT</td>
<td>Stephen Lavalier</td>
<td>802-224-1402</td>
</tr>
<tr>
<td>ME</td>
<td>Terry Bourgoin</td>
<td>207-848-0000</td>
</tr>
</tbody>
</table>

* Denotes Acting

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**Map Notes:**
- **State Plant Health Directors**: A list of State Plant Health Directors is provided for each state, along with their contact information.

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**Map Details:**
- The map is a visualization of state plant health directorship, with each state marked with the director's name and contact details.
- The map includes a scale for miles, with increments of 0, 125, 250, 500, and 1000 miles.
- The map is color-coded to represent different states, and each state is labeled with its director's name and contact information.

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**Additional Information:**
- The map is part of the United States Department of Agriculture (USDA) plant health initiative, aimed at ensuring the health and safety of plant foods and fibers.
- The map is intended to facilitate communication and coordination among State Plant Health Directors across the country.
Strategic Focus

Mission:
We safeguard U.S. agriculture and natural resources against the entry, establishment, and spread of economically and environmentally significant pests, and we facilitate safe international trade of agricultural products.

Goals:
Integrate and streamline our safeguarding system
Optimize our pest management and eradication programs
Increase the safety of agricultural exports and imports
Highlights

Eliminated plum pox virus from NY
Kept 99.5 percent of 16 million cotton acres free from boll weevil
Had zero detections of pink bollworm and European grapevine moth
Issued more than 665,000 phytosanitary certificates
Sustained and expanded U.S. export markets valued at more than $2.4 billion
Key Initiatives, 2016-2017

• 3 “innovation initiatives:” molecular diagnostics, canine detectors, unmanned aircraft systems
• Seed health framework
• Offshore nursery certification
• International and regional harmonization
• Sustaining and expanding export markets
• 2 new Strategic Alliance priorities
  – Strengthening domestic data collection
  – Improving interagency communication
Innovation Initiatives

Molecular Diagnostics  Canine Detectors  Unmanned Aircraft
Seed Health Framework

Ongoing dialog about safety of global seed trade and seed health protection

Working to create a seed health regulatory framework to support safe seed trade
Offshore Cuttings Certification Program

Working with industry to develop a certification program for offshore facilities that produce ornamental plant cuttings for export to the United States.

Program would provide additional safeguards against the entry of pests and pathogens on imported plant cuttings.
Strategic Standards Setting

Actively participating in international and regional forums

Building strong support around the world for ePhytos, workshops to increase implementation of standards, and other critical topics

Encouraging states to review draft standards
Sustaining and Expanding Export Markets

Maintaining and expanding U.S. access to key foreign markets is a top priority

States play a critical role
Strengthening Domestic Data Collection

Strategic Alliance priority

Enhance domestic pest survey program data collection and handling

Use handheld technologies to automate data collection

Advance data collection and coordination within PPQ and with States
Improving Interagency Communication

Strategic Alliance priority

Assess current state of communications between PPQ and NPB

Identify gaps and establish best practices in both organizations
FY 2016 Funding Sources

- User Fees: $242,845,289 (40%)
- Farm Bill: $62,500,000 (10%)
- Appropriations: $308,378,000 (50%)
# APHIS/PPQ Appropriation Trends

Fiscal Years 2010–2016, ($s in 000s)

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>AQI (appropriated)</td>
<td>29,000</td>
<td>25,948</td>
<td>27,500</td>
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<td>26,900</td>
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<td>Cotton Pests</td>
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<td>17,848</td>
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<td>12,720</td>
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<td>Field Crop and Rangeland</td>
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<td>9,068</td>
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<td>Pest Detection</td>
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<td>Plant Protection Methods Development</td>
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<td>20,600</td>
<td>19,935</td>
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<td>Specialty Crop Pests</td>
<td>150,849</td>
<td>150,079</td>
<td>153,950</td>
<td>142,087</td>
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<td>156,000</td>
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<td>Tree &amp; Wood Pests</td>
<td>77,146</td>
<td>75,994</td>
<td>55,638</td>
<td>52,273</td>
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<td><strong>Total</strong></td>
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<td><strong>332,207</strong></td>
<td><strong>312,104</strong></td>
<td><strong>289,088</strong></td>
<td><strong>305,941</strong></td>
<td><strong>305,378</strong></td>
<td><strong>308,378</strong></td>
<td><strong>-11%</strong></td>
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# Proposed 2017 Funding
($s in 000s)

<table>
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<tr>
<th>Plant Protection and Quarantine</th>
<th>FY 2016 Enacted</th>
<th>FY 2017 President’s Budget</th>
<th>FY 2017 House Mark-up</th>
<th>FY 2017 Senate Mark-up</th>
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<tr>
<td>Cotton Pests</td>
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<tr>
<td>Field Crop and Rangeland</td>
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<td>8,902</td>
<td>8,826</td>
<td>8,915</td>
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<tr>
<td>Pest Detection</td>
<td>27,446</td>
<td>27,636</td>
<td>27,446</td>
<td>27,669</td>
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<td>Plant Protection Methods Development</td>
<td>20,686</td>
<td>20,870</td>
<td>20,686</td>
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<tr>
<td>Specialty Crop Pests</td>
<td>158,000</td>
<td>146,076</td>
<td>167,500</td>
<td>158,000</td>
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<tr>
<td>Tree &amp; Wood Pests</td>
<td>54,000</td>
<td>45,933</td>
<td>45,933</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>308,378</strong></td>
<td><strong>287,514</strong></td>
<td><strong>309,811</strong></td>
<td><strong>310,919</strong></td>
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<table>
<thead>
<tr>
<th>Change from FY 2016 Appropriation</th>
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<tr>
<td>$ (Decrease)/Increase</td>
<td>(20,864)</td>
<td>1,433</td>
<td>2,544</td>
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<td>% (Decrease)/Increase</td>
<td>-6.77%</td>
<td>.46%</td>
<td>.88%</td>
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Key Program Updates

• Setting a new direction for emerald ash borer
• Delivering practical tools to combat citrus greening
• Combatting fruit flies
• Declaring eradication for pink bollworm and European grapevine moth
Emerald Ash Borer

Program Status

• 27 states regulated
• 682,071 miles\(^2\) quarantined
• 15,000 traps set in 33 states
• Biological control remains a top priority
• 1.2 million wasps released in 20 states in FY 2015
• 435,000 wasps released in 17 states in FY 2016 (to date)
• Releases continue through October, weather-dependent

Charting a New Course

Sustain or increase funding for biocontrol, outreach, and methods development
Maintain or refocus resources for national detection surveys
Decrease resources for regulatory activities
Citrus Greening

Program Status

- ACP quarantine area in established in Nevada, quarantine expanded statewide in Arizona
- Twenty-three residential trees in California have tested positive for HLB to date
- Biocontrol implemented in Arizona, California, Florida, Louisiana and Texas
- Area-wide management continues in Florida and Texas
- Seed removed from list of HLB-regulated articles
- Citrus nursery stock protocol revisions in process

Citrus MAC: Delivering Practical Solutions

Increased biocontrol production and release

Thermitotherapy available for individual trees; available soon for entire groves

Using soil acidification in Florida commercial groves

Field testing antimicrobials
Fruit Flies

Program Status

California

• Oriental fruit fly quarantine in LA County ended July 19 (*last remaining quarantine from FY 2015*)
• First-ever Malaysian fruit fly quarantine established in LA County

Texas

• 8 Mexican fruit fly quarantines in the Lower Rio Grande Valley

A Sophisticated Detection and Response System

160,000 fruit fly detection traps covering all fruit fly risk areas from California to South Carolina

Able to detect most non-native fruit flies before they spread out of the core square mile

Effective, environmentally safe tools to combat incursions
Pink Bollworm

Program Status

• No pink bollworms captured in last 4 years (2013-2016)
• “Confirmation of eradication” process takes 4 years
• All programs in final year of confirmation process
• Testing unmanned aircraft system to deliver sterile moths to provide targeted, rapid response to small-scale outbreaks, if needed

The Tantalizing Promise of Unmanned Aircraft

Rapidly advancing technology that is portable, lightweight, and affordable

PPQ successfully piloted fixed-wing unmanned aircraft system in 2015

Also evaluating effectiveness of an octo-copter to release sterile pink bollworm moths
European Grapevine Moth

Program Status

• No detections in 2016
• Quarantine area: 446 square miles in Napa and Sonoma counties
• Eradication is possible this year

A Model Eradication Program

From 100,000 EGVM detections to zero in 5 years

Keys to success: quick response; sound scientific strategy; and close coordination between federal, State, and county officials, industry, and the local community
Subscribe to APHIS’ Stakeholder Registry (click on the red envelope on the PPQ home page)

www.aphis.usda.gov/plant_health