Federal Response to Allium leafminer, *Phytomyza gymnostoma*

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Agenda

- Policy – Quarantine Status
- PPQ Role – Federally Recognized State Managed Phytosanitary Program (FRSMP)
- PPQ Assessment Beyond FRSMP
- Industry Participation – IPM practices
- Strategies for Collaboration
- Extension Resources
- Contact Information
Policy – Quarantine Status

• Non-quarantine at United States ports of entry
  – Established in the Mid-Atlantic region of the United States
Policy – Quarantine Status

• ALM is unlikely to be eradicated in the United States
  – Found in cultivated and wild onion (*Allium* sp.) populations
  – Based on the biology of the pest
• Control and suppression through integrated pest management practices (IPM)

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PPQ Role - Federally Recognized State Managed Phytosanitary Program (FRSMP)

- June – August 2017
  - PPQ initiates consultation process
- September 2017
  - Decision made to change status to non-quarantine at U.S. ports of entry
  - States given until November 2017 to notify PPQ of intent to petition for the Federally Recognized State Managed Phytosanitary Program (FRSMP)
PPQ Role - FRSMP

- FRSMP program goals
  - To ensure PPQ policies, programs, and risk analyses are consistent with IPPC concepts that the United States and our trading partners recognize
  - To create a mechanism for State-managed programs to be officially recognized by APHIS as provided by the IPPC
  - To avoid challenges by trading partners to our import requirements
PPQ Role - FRSMP

- August 2017 – California notified PPQ that the state will petition for FRSMP
- October 2017 – California submitted petition
- November 2017 – August 2018
  - Official Control Advisory Panel (OCAP) review
  - Environmental Review
  - Deputy Administrator approval
  - Cooperative Arrangement
  - Stakeholders Notified
  - Status of pest changed at the ports of entry FRSMP pest for California
Options if pest is found at a Ports of Entry (POE) within CA:
- Treatment (if available)
- Re-exportation
- Destruction
- Re-direct and Avoid

Option if pest is found at a POE outside of CA:
- Avoid
# PPQ Role - FRSMP

## Pests Regulated under a Federally Recognized State Managed Phytosanitary Program

<table>
<thead>
<tr>
<th>Pest</th>
<th>Regulated State(s)</th>
<th>Pest Present in Regulating State(s)</th>
<th>Mitigation Options</th>
<th>Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potato/tomato psyllid, <em>Bactericera cockerelli</em> (Sulc)</td>
<td>Florida</td>
<td>No</td>
<td>Re-export</td>
<td>Florida Division of Plant Industry <a href="#">🔗</a></td>
</tr>
<tr>
<td>Bagrada bug, <em>Bagrada hilaris</em> (Burmeister)</td>
<td>Florida</td>
<td>No</td>
<td>Re-export</td>
<td>Florida Division of Plant Industry <a href="#">🔗</a></td>
</tr>
<tr>
<td>Allium leafminer, <em>Phytomyza gymnosta</em> Loew</td>
<td>California, Oregon (temporary status)</td>
<td>No</td>
<td>Re-export Treatment Destroy Redirect</td>
<td><a href="#">🔗</a></td>
</tr>
</tbody>
</table>

Last Modified: Aug 11, 2015
PPQ Role - FRSMP

• March 2019
  – Oregon notified PPQ of intent to submit FRSMP petition
  – Petition deadline is April 2020
    • During this time, Oregon has temporary FRSMP status
    • If Oregon fails to submit petition, temporary FRSMP status ends
PPQ Assessment Beyond FRSMP

- PPQ vulnerability study
  - Includes risk mitigation measures for industry
- Study addresses
  - Vulnerability of seven major onion-producing regions
  - The suitability of climate
  - The availability of onion foliage
  - The effectiveness of current practices
Industry Participation – IPM practices

- Scouting
  - 2 generations of ALM a year
  - Generations overlap with other onion pests such as onion maggot, thrips and other leafminers
  - Ideal management activities take place when adults are present, so scouting is a key management activity

Sven Spichniger, PDA
Industry Participation – IPM measures

• Cultural Practices
  – Vary planting times to avoid peak oviposition by ALM
  – Crop residue management
  – Crop rotation
  – Practices already in place for thrips, seedcorn maggot, and onion maggot will also help prevent ALM infestations

www.washtingtonagnetwork.com
Industry Participation – IPM measures

• Chemical Management
  – Insecticides should coincide with adult flight and larval activity
  – Current treatment schedules for other pests could prevent ALM infestations
  – Depending on your location and practices, several chemicals may be available options for you.

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Strategies for Collaboration

- Include ALM when scouting for other onion pests
- Use IPM practices to manage pest
  - PPQ intends to share risk mitigation measures
- If concerned about spread of ALM to your region, solicit your state regulatory officials to apply for FRSMP to assist in state official control activities
- PPA 7721 – funding can be utilized to support additional research needs as well as outreach and education
- PPQ recognizes ALM FRSMP program for participating state(s)
Extension Resources

• New York State Integrated Pest Management website
  – https://nysipm.cornell.edu/agriculture/vegetables/vegetable-ipm-practices/chapter-21/

• New England Vegetable Management Guide

• Penn State Pest Alert for Allium leafminer
  – https://ento.psu.edu/extension/vegetables/pest-alert-allium-leafminer
Contact Information

• Contact for FRSMP: Erin Otto, National Policy Manager  
  erin.m.otto@usda.gov

• FRSMP website:  