



United States Department of Agriculture

Federal Response to *Allium* leafminer, *Phytomyza gymnostoma*

Erin Otto, National Policy Manager
United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

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

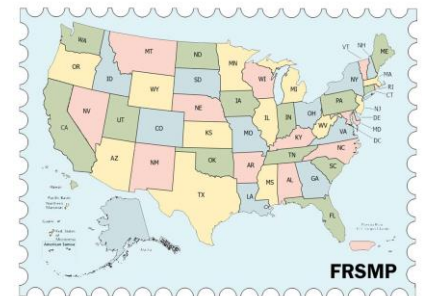
- Non-quarantine at United States ports of entry
 - Established in the Mid-Atlantic region of the United States

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)

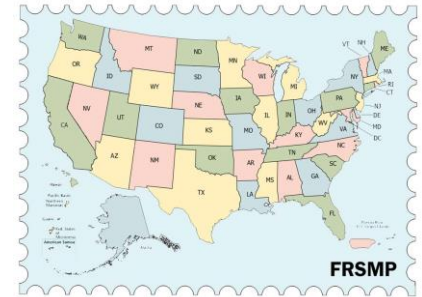
PPQ Role - Federally Recognized State Managed Phytosanitary Program (FRSMP)

- 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)
- 



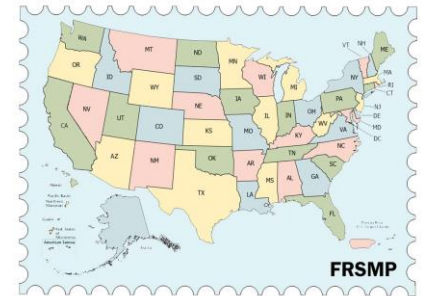
PPQ Role - FRSMP

- 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



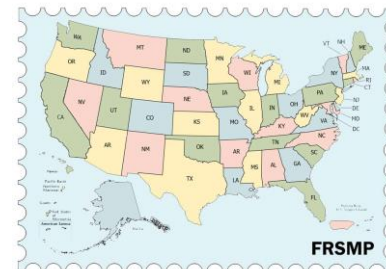
PPQ Role - FRSMP

- 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



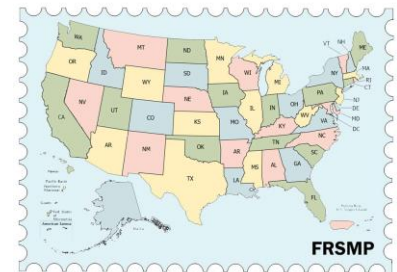
Last Modified: Aug 11, 2015



Pest	Regulated State(s)	Pest Present in Regulating State(s)	Mitigation Options	Links
Potato/tomato psyllid, <i>Bactericera cockerelli</i> (Sulc)	Florida	No	Re-export Destroy Redirect	Florida Division of Plant Industry
Bagrada bug, <i>Bagrada hilaris</i> (Burmeister)	Florida	No	Re-export Destroy Redirect	Florida Division of Plant Industry
Allium leafminer, <i>Phytomyza gymnostoma</i> Loew	California Oregon (temporary status)	No	Re-export Treatment Destroy Redirect	

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

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

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.

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
 - <http://nevegetable.org/crops/onion-scallion-and-shallot>
- 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:
<https://www.aphis.usda.gov/aphis/ourfocus/planthealth/plant-pest-and-disease-programs/frsmp>