

Overview of Regulated and Invasive
Pests in Berries
on the Central Coast

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Introduction

- Light brown apple moth
- European grapevine moth
- Spotted wing drosophila
- Brown marmorated stink bug

Challenges

- Regulatory response
- Actual damage from the pest.

- Formulate a workable solution quickly to a new pest which addresses both of the above.

Light brown apple moth



Light Brown Apple Moth

- Initial invasion spring 2007.
- Enters caneberries spring 2009.
- Enters strawberries spring 2010.
- Initial regulatory response flawed.

Use of pheromone based twist ties



European Grapevine Moth



European Grapevine Moth

- Proof of establishment found in vineyard off of Pleasant Valley Rd.
- Blackberries not a host, nevertheless the rules say you have to work with them.
- Raspberries DEFINITELY not a host, but Canadian concerns have to be addressed.
- Lack of state regulations regarding European grapevine finds in caneberries meant fields would have to be destroyed.
- Concurrence with light brown apple moth made this one doubly problematic.



Spotted Wing Drosophila

- Found autumn 2008, colossal infestations 2009. Continuing to be a major problem fall, 2011.
- Outran regulation, and no quarantines put into place.
- Strictly a pest problem- regulatory problem for two weeks or so.

Spotted Wing Drosophila



Problem to be Yet Contained

- Malathion, Mustang, spinosyns.
- Sanitation being tested this year.
- Irrigation being tested this year.

- *Solution is somewhere in this room*

Brown Marmorated Stink Bug



Trumpet creeper

The Challenge



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Move Over Bed Bugs; Stink Bugs Are the New Bug in Town

Smelly Stink Bugs Impervious to Pesticides, Spreading Rapidly

By CHRISTINA CAPATIDES and TAHMAN BRADLEY

abc NEWS

Sept. 26, 2010

20 comments

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Meet Slink. He's got glands that release a foul, musty odor when he's mishandled or feels threatened.



He's just in from Asia and he's disguised as a small brown shield. But don't let that fool you. He's not the one who'll need to be intercepting attacks this Fall.

Rather, while the people of the Northeast have been distracted over the past several months -- with their eyes fixed on their beds -- Stink and his friends have been letting themselves in through the back door -- your vents.

And once the stink bugs are in your home, it's unfortunately very difficult to get them out.

Considering the Next Invasive Pest

- One third of budget in NZ dedicated to outreach- don't treat people like they are stupid.
- Recognize regulatory constraints and work within them.
- Research side- open strong and refine techniques later.
- Extension side- convince growers and industry people of the importance of acting fast and correctly.

