## 2012 New Hampshire Small Fruit Pest Problems

Alan T. Eaton
UNH Cooperative Extension
Sept 12, 2012

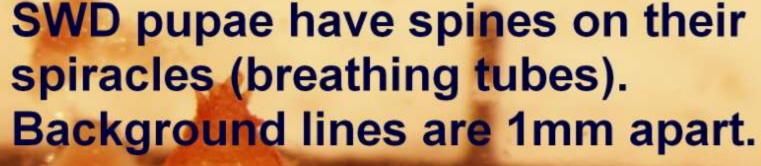
#### Phyllophaga sp.

## Asiatic garden beetle













In several highbush plantings, traps failed to detect SWD's before significant fruit injury occurred.

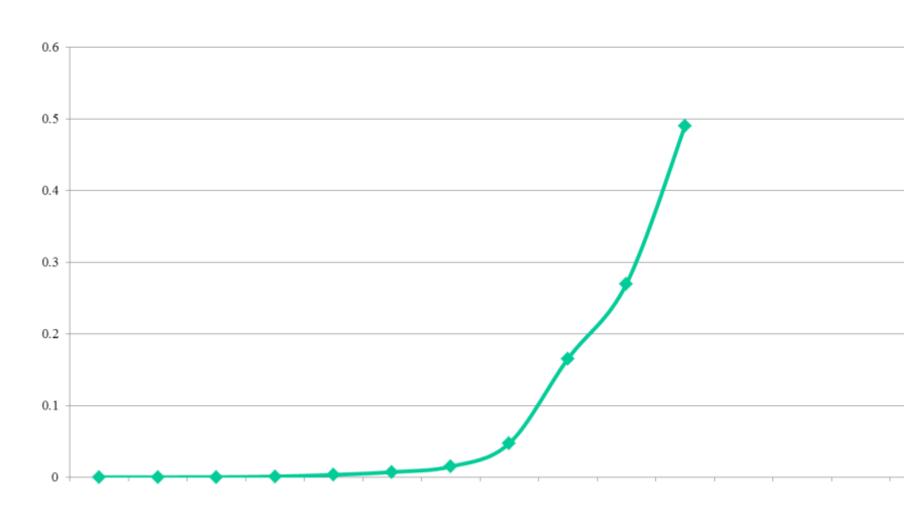
In others, they worked well.

A. Eaton 8/19/2012





#### 2012 SWD (Fruit Fly) Weekly Catch as Percentage of Season Total



# The "June" crop of strawberries was not attacked by SWD in 2012.









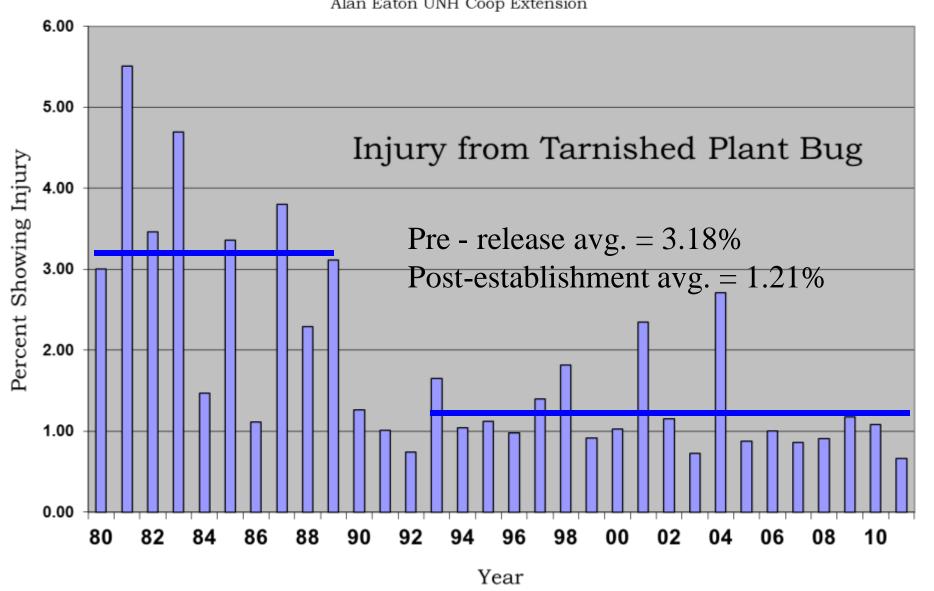


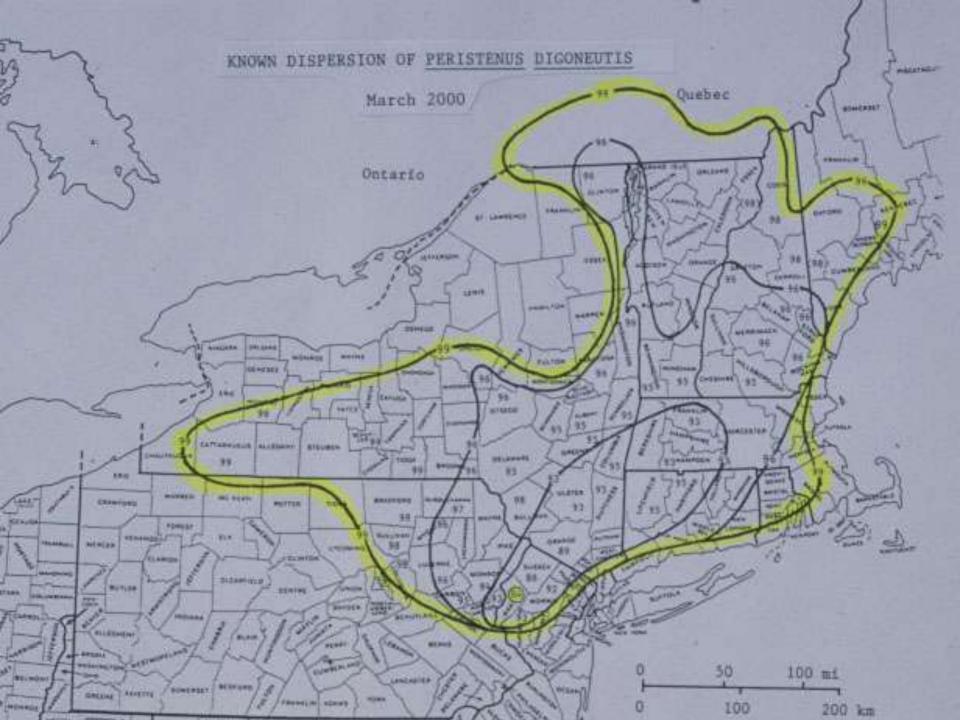


#### New Hampshire Apple Harvest Evaluations

1980 - 2011

Alan Eaton UNH Coop Extension







Education Center and Info Line
practical solutions to everyday questions
Toll free Info Line 1-877-398-4769
M-F • 9 AM • 2 PM
W • 5 • 7:30 PM

### **Blueberry Stem Borer**

Oberea myops Haldeman

Blueberry stem borer is a beetle also known as the rhododendron stem borer and the azalea stem borer. It is in the family Cerambycidae [long-horned borers]

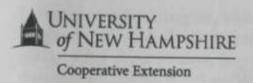


## http://extension.unh.edu/resources/files/ Resource002142\_Rep3156.pdf





only about 3mm (1/8 inch) wide. It pupates in the tunnel in spring, and the adult beetle usually appears in New Hampshire about the third week of June. Host plants include blueberry,



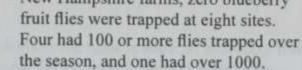
Education Center and Info Line
practical solutions to everyday questions
Toll free Info Line 1-877-398-4769
M-F + 9 AM - 2 PM
W + 5 - 7:30 PM

# Using Traps to Monitor Blueberry Fruit Fly in New Hampshire



Blueberry fruit fly, Rhagoletis mendax Curran is a native insect that looks almost identical to apple maggot, except that it attacks blueberries, not apples. It is usually slightly smaller than apple maggot, with the adults typically

http://extension.unh.edu/resources/files/ Resource002077\_Rep3071.pdf





Education Center and Info Line practical solutions to everyday questions Toll free Info Line 1-877-398-4769 M-F - 9 AM - 2 PM W - 5 - 7:30 PM

# Identifying Moths in Traps for Sweet Corn Pests

We recommend control sprays and treatment intervals based on the number of pest moths collected in pheromone traps. Because large changes in pest density may occur, literally overnight, we suggest checking traps twice a week (more frequently if you prefer). By learning to identify your own trap catch, you can immediately respond to sudden changes in pest populations. Corn earworm and Fall armyworm are the best ones to monitor.

It is easy to identify the corn earworm and fall armyworm moths using this guide. With a little practice.

## http://extension.unh.edu/resources/files/ Resource002122\_Rep3133.pdf

Moths have two pairs of wings. The photos below show moths with wings unspread, as you will find them in your traps. In some cases, seeing the hind wing is helpful, so you'll move the front wings aside. Once you are familiar with identification, this should not be necessary.

Education Center and Info Line practical solutions to everyday questions Toll free Info Line 1-877-398-4769 M-F • 9 AM - 2 PM W • 5 - 7:30 PM

# Identifying Common Sweet Corn Caterpillars



Left - Corn earworm caterpillar Right - Fall armyworm caterpillar

Corn earworm, Fall armyworm, and
European corn borer caterpillars can all infest
the ears of sweet corn. The most reliable
way to identify them is to examine the
heads of the caterpillars. Corn earworm
caterpillars have a uniform light yellowbrown head. Fall armyworm caterpillars have
distinctively marked heads—when viewed
from the front, there is an upside down white
Y which divides the head into three regions.
The low (middle) region is light; and the left
and right regions are dark. This is visible
even on very small caterpillars. European
corn borer caterpillars have dark brown

http://extension.unh.edu/resources/files/ Resource002121\_Rep3132.pdf

with a pattern of small darker spots on each segment.

# SWD Trapping in New Hampshire Highbush Blueberries

Alan T. Eaton
UNH Cooperative Extension
Sept 12, 2012





- Picking began about July 14
- Set 2 SWD traps (New Engl. project) July 18
- Counted trap catch weekly
- Changed bait weekly
- Picked 50 ripe fruit wkly (5/bush x 10 bushes)
- Pick dates: 7/18, 7/26, 7/31, 8/8, 8/14, 8/22
- All remaining fruit were spoiled by 8/26
- Held fruit 14 days for emergence in cages

Picking	<b>Emerged Drosophilids</b>		# SWD's
Date	SWD	Other	in 2 Traps
July 18	0	0	0, 0
July 26	0	0	0, 0
July 31	1	0	0, 0
Aug 8	52	1	0, 0
Aug 14	131	26	0, 0
Aug 22	67	11	30, 81

Typical fruit appearance on Aug 19<sup>th</sup>



A. Eaton Aug 19, 2012

These bushes had LOTS of fruit.
They were very open... not dense.

We had more success in plantings with more dense foliage.