

# Small Fruit Pest & Insecticide Update



**Celeste Welty**  
**January 2009**

# Small Fruit Insect News

- **Product news**
- **New pest alert**

# New insecticides with new active ingredients

- **Movento**
- **Altacor**
- **Belt**

# New insecticides: Crops allowed

	<b>Grape</b>	<b>Blue- berry</b>	<b>Straw- berry</b>	<b>Brambles</b>
<b>Movento</b>	√	-	-	-
<b>Altacor</b>	√	-	-	-
<b>Belt</b>	√	-	-	-

# New insecticides with new active ingredients

- **Movento 2SC (group 23)**

- **Fully systemic**

- **Sucking pests**

- **Grape phylloxera**

- **Scales**

- **Mealybugs**

- **Whiteflies**

- **Aphids**



# **New insecticides with new active ingredients**

- **Altacor 35WDG (group 28)**
- **Belt 4SC (group 28)**

# New products in group 28

<i>Product</i>	<i>A.I.</i>	<i>Crops</i>	<i>Pests</i>	<i>Application</i>
<b>Altacor</b>	<b>chlorantra- niliprole (Rynaxypyr)</b>	<b>fruit, potato</b>	<b>caterpillars, Col. potato beetle</b>	<b>foliar</b>
Coragen	chlorantra- niliprole (Rynaxypyr)	veg	caterpillars, Col. potato beetle, leafminers	foliar or drip irrigation
<b>Belt</b>	<b>flubendiamide</b>	<b>fruit, sweet corn</b>	<b>caterpillars</b>	<b>foliar or overhead irrigation</b>
Synapse	flubendiamide	veg	caterpillars	foliar or overhead irrigation

# Target pests

	<b>Altacor</b>	<b>Belt</b>
<b>Climbing cutworm</b>	√	√
<b>Grape berry moth</b>	√	-



**New insecticides:  
pre-mixes of old + new a.i.s  
(price advantage??)**

- **Voliam Flexi**
- **Brigadier**
- **Leverage**

# New pre-mixes: Crops allowed

	<b>Grape</b>	<b>Blue- berry</b>	<b>Straw- berry</b>	<b>Brambles</b>
<b>Voliam Flexi</b>	√	-	-	-
<b>Brigadier</b>	√	-	-	-
<b>Leverage</b>	√	-	-	-

# New pre-mixes

<i>Product</i>	<i>a.i.s</i>	<i>target</i>
<b>Voliam Flexi</b>	thiamethoxam ( <b>Actara</b> ) +	<b>sucking pests</b>
	chlorantraniliprole ( <b>Altacor</b> )	<b>caterpillars</b>
<b>Brigadier</b>	bifenthrin ( <b>Capture</b> ) +	<b>broad</b>
	imidacloprid ( <b>Provado</b> )	<b>sucking pests</b>
<b>Leverage</b>	cyfluthrin ( <b>Baythroid</b> ) +	<b>sucking pests</b>
	imidacloprid ( <b>Provado</b> )	<b>broad</b>

# New insecticides/miticides with old a.i.s

- **Onager (= Savey)**
  - **strawberry, brambles**
- **Portal (= Fujimite)**
  - **grapes**

# New crops added

- **Intrepid**
  - **blueberries**
- **Assail**
  - **all berries**

# Products new in 2007

	<b>Grape</b>	<b>Blue- berry</b>	<b>Straw- berry</b>	<b>Brambles</b>
<b>Actara</b>	√			√
<b>Admire</b>	√			√
<b>Avaunt</b>	√			
<b>Clutch</b>	√			
<b>Delegate</b>	√	√		√
<b>Mustang</b>	√	√		√
<b>Platinum</b>	√			
<b>Provado</b>				√
<b>Radiant</b>			√	

# **New pest alert: Brown marmorated stink bug**



- **In PA since 2001**
- **Now in NJ, MD, DE, VA, WV, NY**
- **Pest in Japan, China, Korea**
- **Attacks fruits & seed pods**
- **Nuisance: invades homes for winter**
- **1<sup>st</sup> report in Ohio: Nov. 2007**
- **New OSU fact sheet: FS-3824-08**

# Hosts of Brown Marmorated Stink Bug

- **Fruit crop hosts:**
  - Peach, apple, pear, cherry, Asian pear
  - **Raspberries, grapes, currants**
- **Vegetable crops**
  - Green beans
  - Peppers
  - Asparagus
- **Agronomic crops**
  - Soybean
  - Corn





# Brown marmorated stink bug



- **Both adults & nymphs feed on plants**
  - **Fruit**
  - **Leaves**



# Brown marmorated stink bug

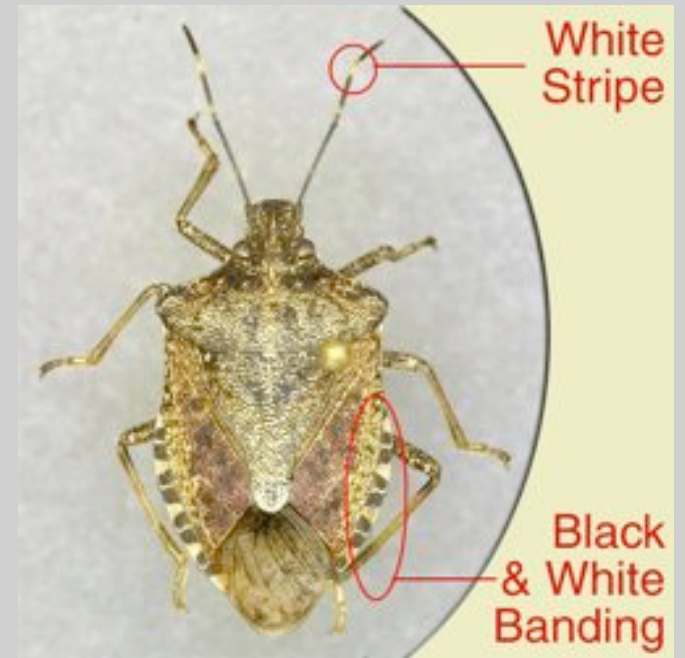
- Identify by white bands on antennae & sides



top view



bottom view



**The End**