



Organic Bramble Production

Blacksburg Football Loss

Friday night:

Salem High School 50

Blacksburg High School 7

Band receives Superior rating



Other football news:
VT squeaker:

Virginia Tech 7

Univ. Miami 27

Bramble Arthropod Basics

- Direct pests and key pests
- Indirect pests and secondary pests

- Blossom/berry feeders
- Leaf feeders
- Cane feeders

Bramble Blossom and Berry Feeders

- Blossom
 - Tarnished plant bug
 - Thrips
 - Blossom midge
- Berry
 - Japanese beetle
 - Green June beetle
 - Yellowjackets
 - Raspberry fruitworm

Bramble Leaf Feeders

- Japanese beetle
- Raspberry sawfly
- Blackberry psyllid
- Spider mites

Bramble Cane Feeders

- Raspberry cane borer
- Raspberry crown borer
- Rednecked cane borer

Caneberry pesticides: VA recommendations - Organic

- Entrust? Geographic restrictions
- Surround
- Aza-direct, Neemix
- Bt
- M-Pede
- Pyrellin
- Stylet oil

Caneberry pesticides: VA recommendations – “Almost” Organic

- SpinTor
- Confirm
- Savey

Caneberry pesticides: VA recommendations – What's left?

- Guthion
- Malathion
- Capture
- Brigade
- Asana
- Sevin
- Kelthane

Pests with organic recommendations:

- **Thrips** - Pyrellin
- **Rednecked cane borer** – remove galled canes, habitat modification
- **Raspberry cane borer** – remove infested canes, habitat modification
- **Blackberry psyllid** – Surround, site selection
- **Mites** – Pyrellin, Stylet oil, biological control
- **Japanese beetle** – Aza-Direct, Neemix, Surround

New Bramble Resource:
IPM web site sponsored by NABGA

- <http://www.nabgaipm.shorturl.com>

Excerpts from site:

- Bramble Pest Management
 - [Caneberry pests](#)
 - Pesticide recommendations
 - [Insects and mites](#)
 - [Diseases](#)
 - [Pesticide rates, labels and MSDS sheets](#) for caneberries
 - **Your Nearest Poison Control Center - (800) 222-1222**
 - [Pesticide regulatory changes](#) (**New!** Bramble Pest and Pesticide Updates by e-mail! To be added to this listserv, contact Doug Pfeiffer ([e-mail link](#)) at Virginia Tech)

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- **Pests affecting berries**

- [Tarnished plant bug](#)
- Thrips
- [Japanese beetle](#)
- [Green June beetle](#)
- [Yellowjackets](#), (Northwest InfoNet Grape and Berry site)
- [Raspberry Fruitworm](#) ([VT Fact sheet](#)) ([Ohio State University link](#))
- Strawberry sap beetle
- [Blossom midge](#)

- **Pests affecting canes**

- [Rednecked cane borer](#)
- [Raspberry crown borer](#)
- [Raspberry cane borer](#)

- **Pests affecting foliage**

- [Japanese beetle](#)
- [Green June beetle](#)
- [Spider mites](#), (Northwest InfoNet Grape and Berry site)
- [Blackberry psyllid](#)
- [Raspberry sawfly](#)

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- **Insecticides**

- Asana XL - 4.8-9.6 fl oz/A (REI=12h; PHI=7d) (toxic to predators) ([Label](#), [MSDS](#))
- Aza-Direct - 12.5-42 fl oz/A (REI=4h; PHI=0d) (**Organic**) ([Label](#), [MSDS](#))
- Brigade WSB - 8-16 oz/a (REI=12h; PHI=3d) (toxic to predators) ([Label](#), [MSDS](#))
- Capture - 3.2-6.4 fl oz/A (6.4 for TSM) (REI=12h; PHI=3d) (toxic to predators) ([Label](#), [MSDS](#))
- Capture 2EC drench - 6.4 fl oz/A, as drench in at least 200 gal, in spring or fall. (REI=12h; PHI=3d) ([Label](#), [MSDS](#))
- Confirm 2F - 16 fl oz/A (REI=4h; PHI=14d) ([Label](#), [MSDS](#))
- Dipel ES - 1-4 pt/A (REI=4h; PHI=0d) (**Organic**) ([Label](#), [MSDS](#))

- SpinTor 2SC - 4-6 fl oz/A (REI=4h, PHI=1d) ([Label](#), [Caneberry Supplemental Label](#), [MSDS](#))
- Stylet oil - 3-6 qt/100 gal (REI=4h; PHI=0d) ([Label](#), [MSDS](#); **Organic** Stylet oil [Label](#), [MSDS](#)))
- Surround 95WP - 12.5-50 lb/A (REI=4h; PHI=0d) (**Organic**) ([Label](#), [MSDS](#))

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- **Active Alerts and Announcements**
- **bifenthrin** - EPA has approved bifenthrin (Capture 2EC) as a drench treatment for [raspberry crown borer](#). Apply post-harvest (fall) or pre-bloom (spring), as a drench application directed at the crown of plants in a minimum of 200 gal water/A. Greater efficacy has been observed at higher water gallonages up to 400 gal/A, or in an application prior to a significant rainfall event. Do not make a prebloom foliar *and* prebloom drench application. [See supplemental label](#).
- **malathion** - On 23 Sep 05, EPA announced availability of revised risk assessment for malathion. Click [here](#) for links to documents in docket. Number [OPP-2004-0348-0002](#) contains an overview of the assessment. Public comment must be received by **22 Nov 05**. Enter EPA's [e-docket](#), search on docket number OPP-2004-0348.

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Questions?

