

Hazelnut Pest Management

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Ministry of Agriculture, Food and Rural Affairs



Hazelnut Pests found in Ontario

Diseases

- Eastern filbert blight
- Bacterial blight
- Powdery mildew
- Botryosphaeria canker
- Phomopsis canker

• Mites

- Filbert bud mite
- Tetranycopsis horridus
- European red mite
- > Two spotted spider mite
- Eotetranychus spp.

Insects

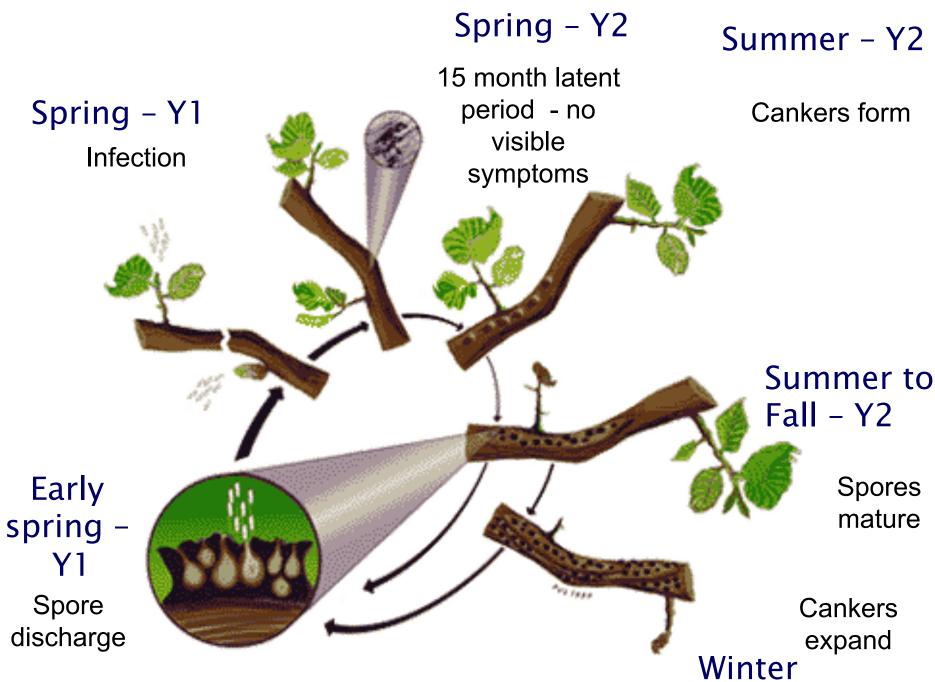
- Japanese beetle
- ➢ Aphids
- > Leafhoppers
- Obliquebanded leafroller
- Lecanium scale
- Hazelnut weevil
- Filbertworm
- Brown marmorated stink bug
- Spring-feeding caterpillars
- Birch sawfly
- Blotch leafminer
- Birch and beech girdler

Eastern Filbert Blight



Eastern Filbert Blight





Source: Oregon State University

Bacterial Blight











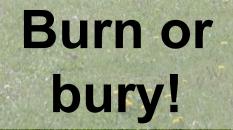


Disease Management

- Resistant/tolerant varieties (EFB)
- Clean planting material (BB)
- Prune 2-3 ft below infection. EFB ideally during winter after harvest but BEFORE spring bud break
- Sanitize cutting tools
- Destroy infected cuttings!!
- EFB fungicides soon after bud break
- Bactericides (copper) late Aug/Sept before heavy rains, in very wet years again at 75% leaf drop



Can still infect!







Bud mites

Phytoptus avellanae, Cecidophyopsis vermiformis

- Overwinter inside buds
- In spring, leave damaged buds and migrate to newly forming buds
- Very brief exposed period timing of controls important
- Feeding causes swelling and death of buds







Management

- Bud mite resistant varieties
- Small, tight buds resist penetration by mites
- Predatory mites
- No registered products
- Bud mites controls ineffective when mites are inside buds

Aphids/ Leafhoppers

Scale

Japanese beetle



Indirect Pests



Caterpillars



Powdery mildew



Foliar mites

Direct Pests







Obliquebanded leafroller

Brown marmorated stink bug

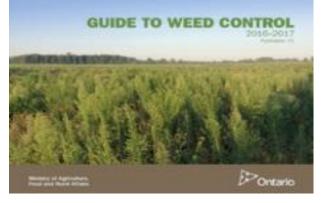
Resources

GUIDE TO FRUIT PRODUCTION 2016-2017

Publication 360



Consultante:



Hazelnuts in Ontario - Pests

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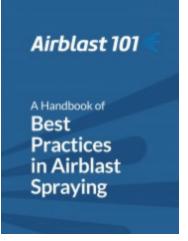
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www.ontario.ca/crops





https://onspecialtycrops.wordpress.com

www.sprayers101.com



HazeInut IPM Scout Training

OMAFRA Simcoe Resource Centre Auditorium Tuesday May 9, 2017 1 pm – 4:30 pm

To register: Call OMAFRA's Agricultural Information Contact Centre at 1-877-424-1300



For more information:

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Thank you!

Questions?