Small Fruit Diseases & Management

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Early Season Small Fruit Diseases

Blackberry Downy Mildew

Orange Rust
(blackberries, purple and black raspberries)

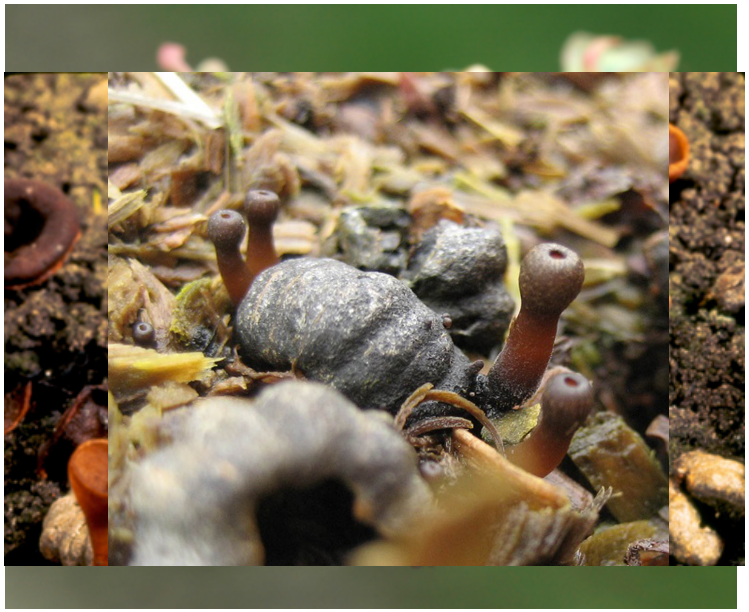
Early Season Small Fruit Diseases

Phytophthora root rot

Gray Mold/Crown Rot of Strawberries

Early Season Small Fruit Diseases

Phomopsis Twig Blight
of Blueberries



Mummy berry

Integrated Disease Management

1. Host resistance
2. Clean planting stock
3. Monitoring and forecasting
4. Cultural and sanitation practices
5. Chemical and biological control
6. Pesticide resistance management

Use of multiple strategies to prevent and manage diseases

New Fungicides on the Market

- Cevya (BASF)
  - Mefentrifluconazole

  - DMI (triazoles) class
  - FRAC 3

  - PHI= 14 days
  - 3-5 fl oz/A

*Do not use on *V. labrusca*, *V. labrusca* hybrids

New Biological Control on the Market

- LifeGard (Certis)
  - *Bacillus mycoides* isolate J
- Triggers induced resistance
- PHI= 0 days
- Organic approved

New(er) Fungicides on the Market

- Kenja (SummitAgro)
  - isofetamid
  - Translaminar activity
  - SDHI class
  - FRAC 7
  - PHI= 0-14 days
  - 12.5-22 fl oz/A

Supplemental labels:
Cane berries, Stone fruit, Pome fruit
Exp. 6/2020

New(er) Fungicides on the Market

- Aprovia (Syngenta)
  - Benzovindiflupyr
  - Translaminar activity
  - SDHI class
  - FRAC 7
  - PHI= 21 days
  - 5.5-7 fl oz/A

New(er) Fungicides on the Market

- Aprovia Top (Syngenta)
  - Benzovindiflupyr + difenoconazole
  - Translaminar activity
  - SDHI class
  - FRAC 7 + 3
  - PHI= 21 days
  - 8.5-13.3 fl oz/A

*Phytotoxicity possible on V. labrusca, V. labrusca hybrids, and other non-vinifera hybrids

New Fungicides on the Market

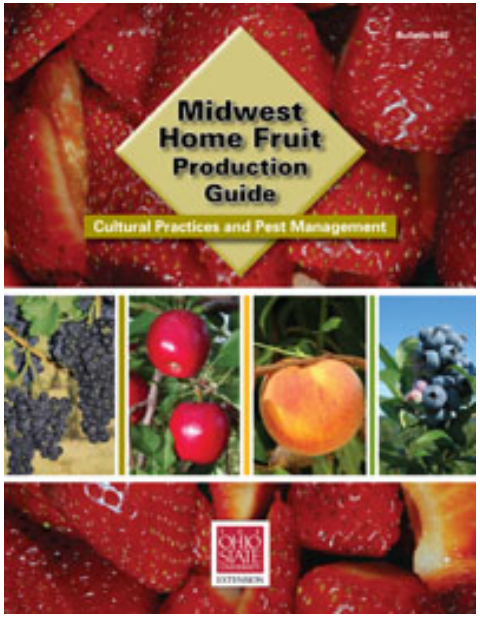
- Intuity (Valent)
  - mandestrobin
  - Translaminar activity
  - QoI (strobilurin) class
  - FRAC 11
  - PHI= 0 (strawberry)
  - PHI= 10 days (grape)
  - 6 fl oz/A

Product	Crops	FRAC	Target Diseases
Aprovia	Grape	7	All but downy mildew
Aprovia Top	Grape	7 + 3	All but downy mildew
Ceyva	Grape	3	Black rot, Phomopsis, Powdery mildew
Intuity	Grape Strawberry	11	Botrytis gray mold Powdery mildew (suppression only)
Kenja	Grape Strawberry	7	Botrytis, Powdery mildew, Black rot (grape), Anthracnose (strawberry)
LifeGard	Small berries Grape	-	Powdery mildew, downy mildew (grape), mummy berry (blueberry)

OSU Fruit Pathology Resources

1. Spray Guides (Midwest and OSU)
2. Factsheets
3. Home Disease Management Series (apple, grape)
4. Presentations
5. FaceBook (OSUfruitpathology, OhiograpeIPM)

Publication No. 506
$15.00



Publication No. 940
$23.25

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