

PUTTING IT ALL TOGETHER

NY CONTROL PROGRAMS: BUD BREAK UNTIL 2 wk PREBLOOM

■ Phomopsis

- ◆ Protectant fungicide once clusters emerge

■ Powdery mildew

- ◆ *V. vinifera* only
- ◆ Sulfur, DMI, or "alternative" fungicide
 - ◆ Eradicant activity of salts, oils, (and sulfur?) can help delay the start of an epidemic

■ (Anthracnose--where it occurs)

- ◆ Lime sulfur at delayed dormant

NY CONTROL PROGRAMS: 2 WEEKS PREBLOOM

- Powdery mildew
 - ◆ *V. vinifera* and susceptible hybrids
 - ◆ Sulfur, DMI, or "alternative" fungicide
- Black rot
 - ◆ Only if significant last yr (inoculum)
- Downy mildew
 - ◆ Highly susceptible varieties, esp. if wet/ inoc.
- Phomopsis
 - ◆ Problem and/or very wet

NY CONTROL PROGRAMS: IMMEDIATE PREBLOOM and +2 wk

- Powdery mildew
 - ◆ Critical; Best material
- Black rot
 - ◆ Critical; Best material
- Downy mildew
 - ◆ Critical; Highly effective material
- Phomopsis
 - ◆ Potential if very wet; mancozeb or strobilurin(?)
- Botrytis
 - ◆ Potential, esp. highly susceptibles: strobilurins?

NY CONTROL PROGRAMS: 4 wk POSTBLOOM (transitional period)

- Weather, variety, current control major factors
 - ◆ Determine if/ what to spray
- Berry susceptibility decreasing rapidly (PM, DM, BR, Phomopsis)
- Foliage requires PM protection
- Foliage will require DM protection when wet
- Botrytis *may* be important (bunch closure)
- Phomopsis finished

CONTROL PROGRAMS: MIDSUMMER

■ Powdery mildew

- ◆ Foliage (and fruit) require maintenance through veraison
- ◆ Sulfur, "alternatives"

■ Downy mildew

- ◆ Foliar control *may* be needed (scout, weather)
- ◆ More decision-making info is needed
- ◆ Copper, captan, phosphite