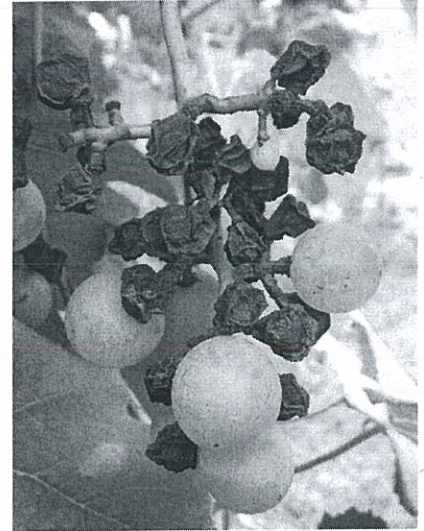
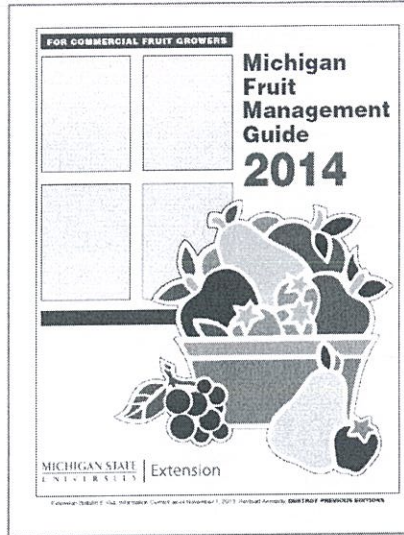


## Small Fruit Pathology Research at the Clarksville Research Center



**Annemiek Schilder (Associate Professor), Roger Sysak (field technician), Jerri Gillett (lab technician), Donny Comer (lab assistant); Randy Smith (field assistant); graduate and undergraduate students**

Due to the humid climate, fungal diseases commonly threaten yield and quality of berries and grapes in Michigan. Various aspects of grape disease biology and management are being investigated in the vineyards at CRC, which are planted to cultivars susceptible to a range of diseases including powdery mildew, downy mildew, Phomopsis cane and leaf spot and fruit rot, black rot, and anthracnose.

MSU Research centers like CRC serve an important function for research on small fruit diseases because diseases can be allowed to develop to levels that may be risky on commercial farms. And when experimental fungicides are used, we don't have to worry about contamination of harvested fruit. Furthermore, if compounds prove to be ineffective, we don't have to worry about crop loss.

The overall goal of the Small Fruit Pathology Research Program is to expand options for economically and environmentally sustainable management of grape and berry crop diseases. The specific objectives relevant to our work at CRC are to:

- 1) Improve diagnosis and detection of grape diseases
- 2) Monitor pathogen dispersal and disease epidemiology
- 3) Assess economic losses due to diseases
- 4) Evaluate the efficacy of new and reduced-risk fungicides
- 5) Evaluate the efficacy of biological control agents and compost teas
- 6) Share results with stakeholders

**If you have any questions, contact Dr. Schilder at [schilder@msu.edu](mailto:schilder@msu.edu) or 517-355-0483. 105 Center for Integrated Plant Systems, 578 Wilson Road, MSU, East Lansing, MI 48824.**