

OHIO GRAPE RESEARCH PRIORITIES
From the Ohio Grape Industries Committee
2009

Research Priority #1: Cold Hardiness

1. Develop further understanding of maximizing cold acclimation and winter hardiness of cold tender winegrape cultivars.
2. Study the effect of rootstocks on cold hardiness of scions.
3. Evaluate the effect of vineyard cultural practices on cold acclimation and hardiness of grapevines.
4. Develop new protection methods against winter freeze and spring frost events.

Research Priority #2: Quality Improvement

1. Evaluate the effects of specific vineyard practices including training systems and canopy management practices on improving yield and fruit quality of winegrape cultivars.
2. Determine the importance of optimizing crop load in winegrape cultivars in order to maximize fruit and wine quality.
3. Evaluate flavor and aroma compounds of important varieties in Ohio as influenced by cultural practices and the environment.
4. Evaluate viticultural and enological performances of winegrape cultivars and clones, new to Ohio. Most critical parameters to evaluate include cold hardiness and wine quality.
5. Develop subjective and objective new criteria for assessing fruit maturity that maximize fruit and wine quality under optimum and adverse growing conditions.

Research Priority #3: Pest Management

1. Develop and evaluate integrated and economically sustainable programs for insect management in Ohio vineyards..
2. Develop and evaluate integrated and economically sustainable programs for disease management in Ohio vineyards.
3. Develop innovative and sustainable methods for weed management.