



## Grape IPM Update

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### **Last Call to have your Vineyard/Winery included in the 2009 Cold Climate Grape Industry Survey --**

There is still time to have your vineyard/winery included in the “snapshot” of the cold climate grape industry in the region. If you have not completed the **Cold Climate Grape Industry Survey**, please set aside time to complete the survey by **June 15**. It is located at:

<http://pss.uvm.edu/grape/ColdClimateWinegrapeIndustrySurvey2009.html>

Again, thanks go out to all who have completed the survey and whose vineyard/winery will be included in the “snapshot” of the cold climate grape industry !

**Spring Frost Protection --** With some vineyards in the region still having frost warnings, it is timely to review and/or bookmark information that has been published on methods of protection for future use.

[Jorgensen et al.](#) have described methods to minimize damage from spring frost as “Passive” or “Active”. Passive methods include site selection, variety selection, and cultural practices that mitigate risk. Active methods involve modifying the vineyard climate with wind machines, heaters, and/or sprinklers.

The second edition of the publication [“Northern Winework - Growing Grapes and Making Wine in Cold Climates”](#) by Tom Plocher and Bob Parke has a whole chapter entitled “Dealing with Spring Frost and Cold” that includes information on delaying bud break of dormant vines through the use of a dormant oil application in addition to information on water sprays and coverings for frost protection.

A technique that is mentioned in a number of publications is “long-cane pruning”. The technique is briefly described in [Pruning Grapevines in Michigan](#) by Gordon Howell and Keith Striegler and in the [Midwest Grape Production Guide](#) .

On the topic of cold temperatures and damage to buds and vines, have you read the publication [“Winter Injury to Grapevines and Methods of Protection”](#)? A sample of the information that is contained in this 105 pp. publication is at: <http://www.emdc.msue.msu.edu/Bulletin/PDF/E2930.pdf> (Note: this is a large file.)

Let's hope we are finished with frosts and we remain warm for the remainder of the growing season !

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