



Grape IPM Update

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Disease Management -- A Reminder

Management of grape diseases will involve the use of fungicides. There are many considerations in selecting a fungicide including: efficacy, spectrum of activity, applicator risk, resistance management, label restrictions, phytotoxicity, and cost. These were discussed previously in: <http://pss.uvm.edu/grape/newsletters/2006/GrapelPMNewsMay192006.pdf>.

As you start your disease management program this year, it is good to review the recommendations for limiting the use of fungicides that are at high risk for **resistance** development. For example, you should limit the total number of applications of **a sterol-inhibiting (SI) fungicides** to a **maximum of 3 sprays per year**. SI fungicides include: Rally(Nova), Orius (Elite), Procure, Rubigan, and Vintage. In other words, 2 application of Rally and one application of Orius = 3 SI applications. For **strobilurin fungicides**, you should apply **no more than a total of 2 strobilurin sprays per year**. Strobilurin fungicides include: Sovran, Flint, and Abound. Pristine and Adament are "combination" products that contain a strobilurin with another fungicide.

Resistance management should always be an important consideration as you develop your disease management program. **Anilinopyridine** fungicides (Scala, Vangard) and **Phenylamide** fungicides (Ridomil products) also have a high risk for resistance development.

The goal is to use the materials that have a high risk of resistance development in ways that extend their effective life and keep them as viable management options as far into the future as possible. *It is not a matter of "if" resistance will develop but "when".*

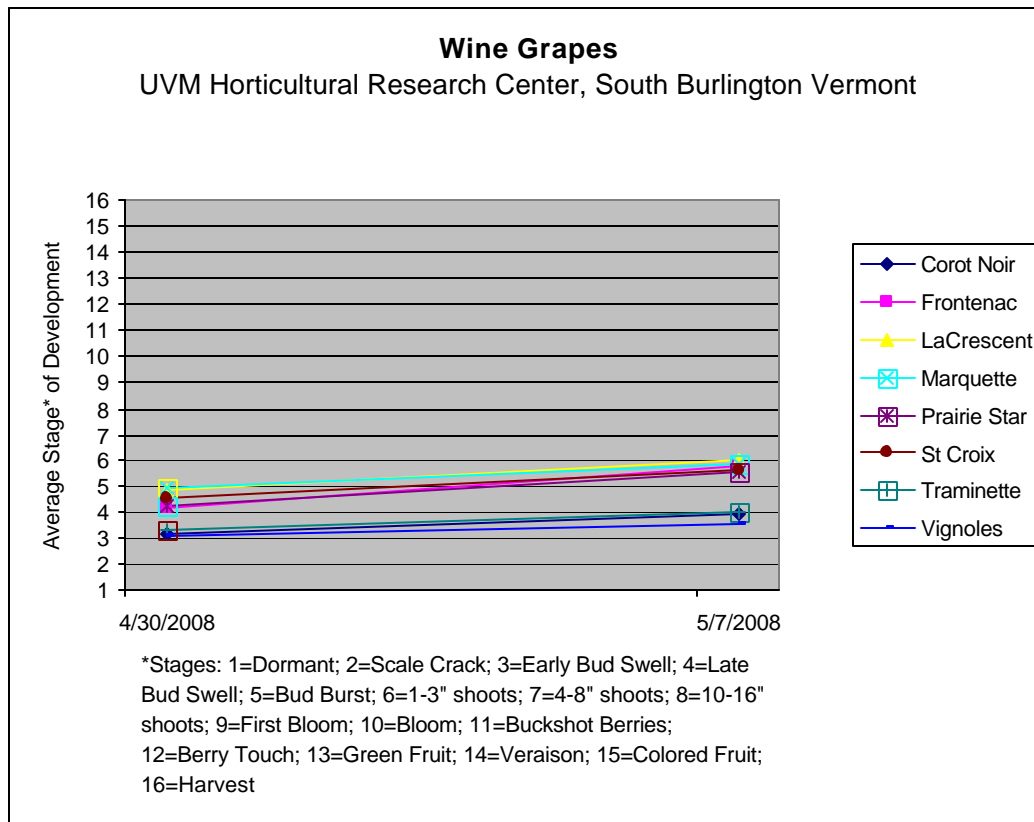
Critical Temperatures during this part of the Growing Season

The weather in Vermont can be fickle to say the least. The following link is to a Michigan State University webpage that gives the critical cold temperatures which will cause 50% bud kill at the various stages of development from scale crack to expanded shoot. Hopefully, we will not experience any of these.

<http://web1.msue.msu.edu/fruit/grpfrost.htm>

FYI - Bud Development at the UVM Horticulture Research Center

As you may know, we planted a small research vineyard at the UVM Horticulture Research Center (HRC) in South Burlington in 2007. We have been tracking bud development of the 8 winegrape cultivars which were planted and the following is what we have observed so far:



Where trade names or commercial products are used for identification, no discrimination is intended and no endorsement is implied. Always read the label before using any pesticide. **The label is the legal document for the product use. Disregard any information in this newsletter if it is in conflict with the label.**

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