

Taken from e-mail from Tony Wolf, Ph.D. of Virginia Tech.

Jeanette Smith (VineSmith Vineyard Services) annually produces a "Winegrape Fungicide Guide" poster. Her 2005 version is available from two sources, including the VineSmith web site (www.vinesmith.com) and Spec Trellising (www.spectrellising.com).

While it is not Maryland Cooperative Extension's (or Joe Fiola's) intention to endorse or advertise commercial products to the exclusion of similar products, the fungicide posters are unique in that they are a useful reference tool for regional grape growers and they are an excellent complement to other pest management information, including the pesticide label, state-specific recommendations (e.g., <http://www.ento.vt.edu/Fruitfiles/grape-fruit-ipm.html>), and in-season vineyard meetings. I have found the product price range to be a particularly helpful variable as I look at cost options for disease control.

The Guide displays important fungicide choices/information on a single-source color-coded poster. The first part of the guide -- the **Disease Development Calendar** -- illustrates, in color, the critical control periods for each of the 5 major grape diseases as they correlate to the seasonal growth stages of grapevines.

The **Fungicide** section indicates, for each of 29 fungicides registered for use on winegrapes in 2005:

- active ingredient
- class of fungicide
- sample formulation / manufacturer
- EPA registration number
- capacity of fungicide to penetrate grapevine tissue
- mode of action (protectant, curative, eradicant)
- risk of resistance development
- signal word

The **Control Options Calendar** indicates, for each of the 29 fungicides:

- efficacy against labelled diseases
- spray interval
- rate per acre
- cost per acre per application

The **Application Restrictions** section shows, in a comparative format, all limitations for the use of each fungicide including:

- maximum rate allowed per season
- maximum number of applications allowed per season
- restricted entry interval
- pre-harvest interval
- recommended minimum gallons spray per acre
- other application restrictions
- personal protective equipment (PPE) required for mixing, applying and entering vineyard during REI
- pH of spray water
- incompatible tank mixes

In addition, a 7-page publication "Planning an Effective Disease Management Program" accompanies each Guide. This publication includes a comprehensive list of grape varieties and their susceptibility to diseases. It also includes a pesticide application record form.

Price for the 2005 Guide is \$30.00 including shipping / handling. You may order the 2005 Eastern United States Winegrape Fungicide Guide from Spec Trellising (www.spectrellising.com) or VineSmith, Inc. (www.vinesmith.com).