

# 2013 Product Use Guide



## Using Vivando® Fungicide as a Mix with Horticultural Oils in Grapes

### Considerations When Using Vivando Fungicide

BASF has received reports that under selected environmental conditions, Vivando fungicide applications in mixes with horticultural oil have been observed to result in visible residues on the sun-facing side of the grape berries (see right). It is not clear what products or conditions may cause this type of response.

Users need to be aware; however, of the potential for berry residues when using these tank mixtures. Growers should evaluate mixes on a small area of the crop to determine if residues result from the users' specific product combinations, rates, application method, crop growing conditions and other factors. Based on their experience and comfort level from the small-area evaluation, users can then decide if they want to do large-scale application of that specific mix.

Increasing the spray volume and/or decreasing the concentration of the horticultural oil, and other adjustments, may help reduce the likelihood and degree of residues. BASF recommends spray volumes above 75 GPA and horticultural oil concentrations no higher than 1% v/v to minimize the potential for residues forming.

**If you have any questions regarding this Bulletin, please contact your local BASF representative.**



**Shade Facing Side of Cluster**



**Sun Exposed Side of Same Cluster**