



150 years



2015 Product Use Guide

Vivando® Fungicide Should Not Be Used on Certain Apple Varieties

Vivando Fungicide Apple Variety Use Advice

BASF has received reports that select apple varieties were injured when tank mix applications of Vivando fungicide were applied. Therefore, **BASF advises that growers NOT make applications of Vivando fungicide to these apple varieties:**

Macoun, Baldwin and SnowSweet®. When making applications to other varieties, as per label instructions, growers are advised to take the following precautions to avoid crop injury.

Growers need to test Vivando fungicide along with all intended tank mix products on a small portion of the specific apple variety they want to treat to determine if a phytotoxic response will occur as a result of application. If the variety is sensitive, crop injury symptoms will likely be observed within 3 days of the test application. The large number of apple varieties and the infinite number of potential tank mix combinations make it impossible for BASF to test or predict crop safety with all possibilities.

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

Background Information

In two apple orchards this season, BASF was informed that tank mixes of Vivando fungicide with other products resulted in leaf injury and defoliation on a small number of apple varieties. It is not clear if individual products or the interaction of products is responsible for these varietal reactions.

In one of the apple orchards, 19 varieties were sprayed with the same tank mixture and only Macoun showed injury symptoms. At the other location, 22 varieties were sprayed and injury was seen only on Macoun, Baldwin and SnowSweet varieties.

Across the two locations, a total of 34 different varieties were sprayed (see full listing below). The varieties that developed symptoms were Macoun, Baldwin and SnowSweet.

Varieties Showing No Crop Response

- **Two location observations**—Cortland (various), Empire, Gala, Honey Crisp, McIntosh (various)
- **Single location observations**—Crispin, Criterion, Early Transparent, Ginger Gold, Granny Smith, Ida Red, Jonagold, McIntosh (various), Northern Spy, Paula Red, Red Delicious, Red Jonathan, Red Rome, Robinson Crab Apple, Spartan, Twenty Ounce, Winesap, Yellow Delicious, Zestar

Varieties Showing Foliar Injury

- **Two location observations**—Macoun
- **Single location observations**—Baldwin, SnowSweet