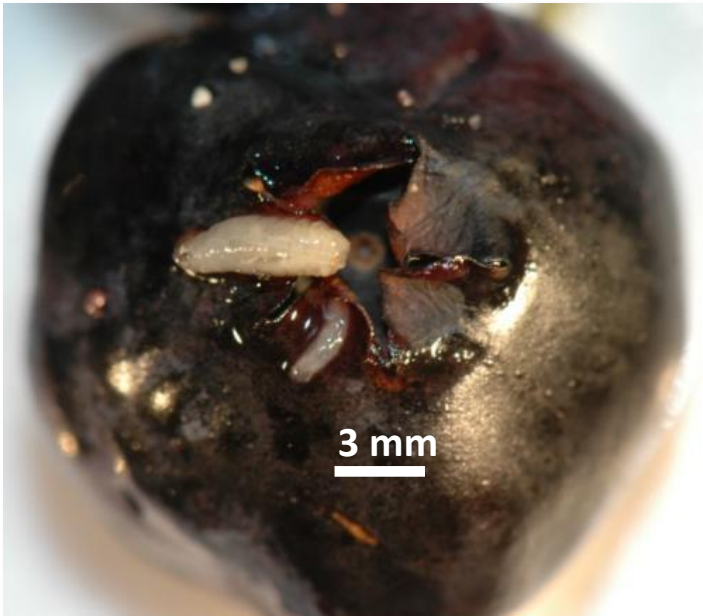


Sampling berries for spotted wing drosophila larvae

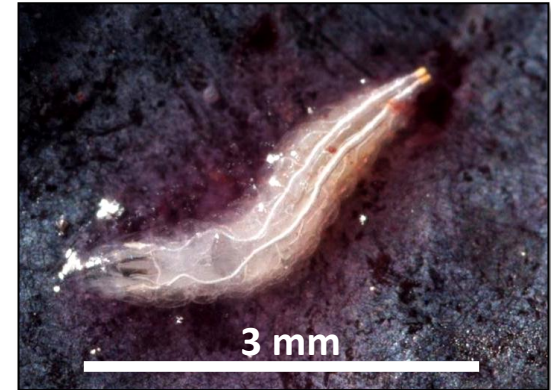
Blueberry maggot larva (top) and
SWD larva (bottom)



Boil Test:

- Place fruit in a microwaveable container and fill with water until fruit are covered.
- Heat in microwave until water boils for 1 minute.
- Pour through 0.25 inch hardware cloth onto a dark tray.
- Crush berries with the back of a spoon and pour some cold water over the crushed berries.
- Look for larvae floating in the water on the tray.
- **For higher accuracy, pour liquid through fine mesh (such as a reusable coffee filter), and look at remaining sifted contents under a microscope.**

SWD larva
close up



Brown Sugar Test:

- Place fruit in a gallon Ziplock bag and lightly crush the berries.
- Mix up a brown sugar solution (**4 cups brown sugar, 1 gallon water**) and add enough sugar water to the bag to cover the berries.
- Seal bag, removing as much air from bag as possible.
- Let bag sit for at least 30 minutes.
- Larvae can be placed back into fruit and reared out to adults if species identification is needed.
- **For higher accuracy, separate fruit from liquid, pour liquid through fine mesh (such as a reusable coffee filter), and look at remaining sifted contents under a microscope.**

Salt Test:

- Place fruit in a gallon Ziplock bag and lightly crush the berries
- Mix up a salt water solution (**1 cup salt, 1 gallon water**) and add enough salt water to the bag to cover the berries. Add food coloring to liquid for more contrast.
- Seal bag, removing as much air from bag as possible.
- Let bag sit for at least 30 minutes.
- Place bag against a dark surface in good lighting and count the number of larvae.
- **For higher accuracy, separate fruit from liquid, pour liquid through fine mesh (such as a reusable coffee filter), and look at remaining sifted contents under a microscope.**