Drosophila suzukii male character summary:

1: red eyes

- 1. Light yellow or brown fly with red eyes
- 2. Single dark spot on the leading edge of the wing near the tip, centered on the first major wing vein **OR** wings are clear (no spots, bands, cloudy or dark areas) ["spotless" males are rarely observed and should be verified by a taxonomist]
- 3. Short, stubby antennae with branched arista
- 4. Fly length is less than 4 mm
- 5. Front feet with combs on first and second segments, both parallel to the length of the foot, with 3 to 6 "teeth" each
- 6. Complete <u>unbroken</u> dark bands at the end of abdominal segments; last segment often dark brown; no other stripes, spots or patterns on body or legs
- 7. Male genitalia

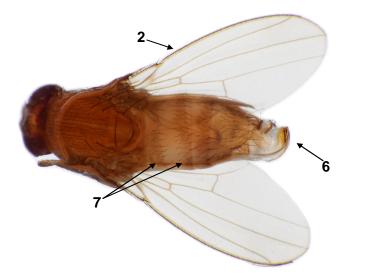
3: arista can extend away from the head or be positioned over the eyes when specimen is wet

2

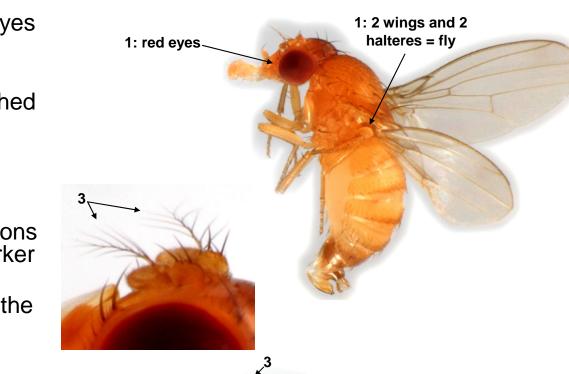
Photos by Naomi DeLury, Agriculture and Agri-Food Canada. Contact: Howard Thistlewood (howard.thistlewood@agr.gc.ca)

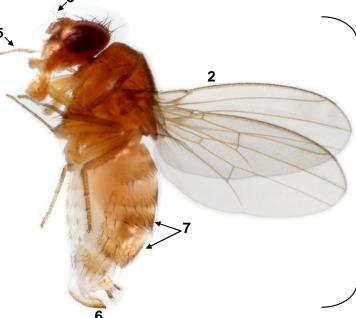
Drosophila suzukii female character summary:

- 1. Light yellow or brown fly with red eyes
- 2. Wings clear (no spots, bands, or cloudy area)
- 3. Short, stubby antennae with branched arista
- 4. Fly length is less than 4 mm
- 5. No combs on feet
- 6. Large sclerotized (hard, shiny and dark), ovipositor with strong serrations or saw-like teeth that are much darker than rest of ovipositor
- 7. Complete <u>unbroken</u> dark bands at the end of abdominal segments; last segment can be all dark brown; no other stripes, spots or patterns on body









Photos by Naomi DeLury, Agriculture and Agri-Food Canada. Contact: Howard Thistlewood (howard.thistlewood@agr.gc.ca)

Comparison of females from two similar Drosophila spp.





Drosophila sp. -Ovipositor is weakly serrated, soft and smaller than for Spotted Wing Drosophila, all other characters match the key for SWD Drosophila suzukii

