



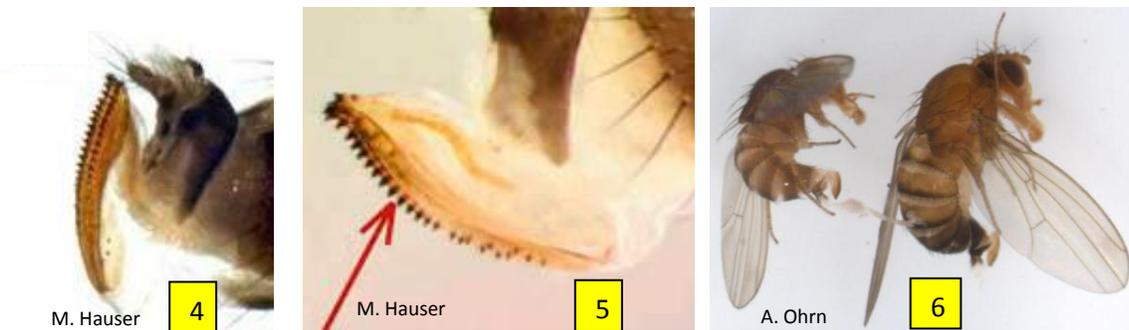
OSU-GPDN WEBINAR: Spotted wing identification, see http://www.gpdn.org/webinar_2012

ODA Dichotomous Identification Key: http://cms.oregon.gov/ODA/PLANT/docs/pdf/ippm_d_suzukii_id_guide10.pdf

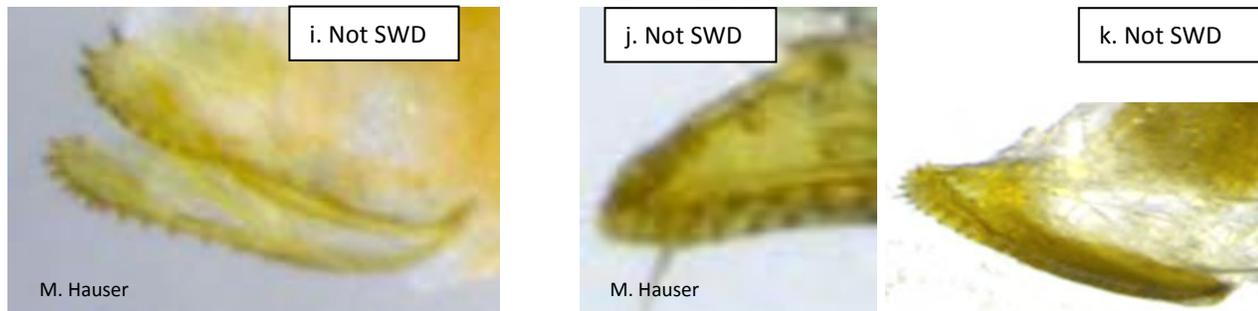
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SWD Females:

1. Female has a hard, shiny and dark, slightly-curved **ovipositor** (egg-laying structure) on the tail end with saw-like edges (ridged teeth) when fully exposed; teeth are much darker than rest of ovipositor (figs. 4-6).
The ovipositor may protrude out back end after soaking in liquid, otherwise it tucks under abdomen.
2. SWD body does NOT have spots or patterns, only bands around abdomen (fig. 7).
3. Abdomen has complete dark thick or thin **bands** (no breaks) around abdominal segments (fig. 8).
4. The last segment is sometimes solid dark brown.
No darkened or shady areas on/around female wing veins.
No black ‘combs’ are found on the female’s front legs, only the male.



figs. 4-6: SWD ovipositor ‘teeth’ are dark and prominent; and end abruptly. Female size can vary.



figs. i-k: Ovipositors from other *Drosophila spp.* are lighter teeth, smaller, rounder, and weaker-looking than SWD. Teeth may continue around ovipositor to dorsal side on non-suzukii females.

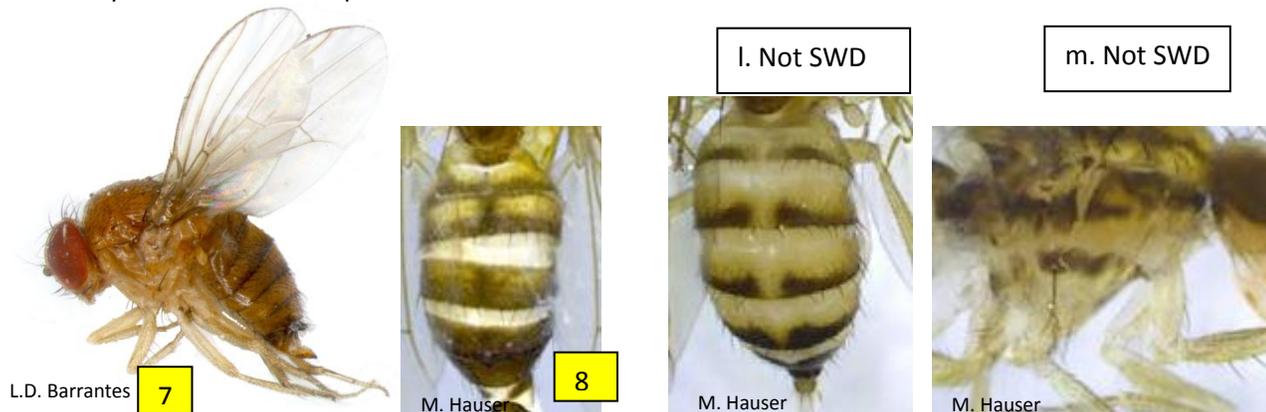


fig. 8: SWD have unbroken bands that run across abdomen; no markings or patterns on side of thorax.
figs. l-m: Other *Drosophila sp.* have broken bands on abdomen and markings or patterns on side of thorax.



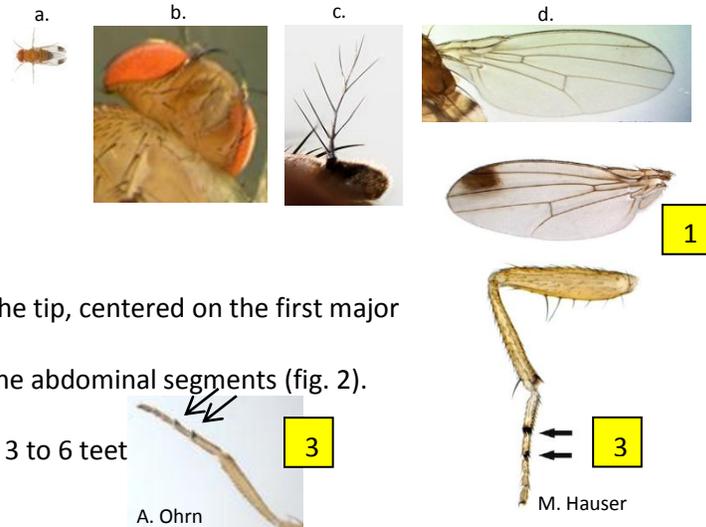
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General *Drosophila* family features:

- fig. a: Smaller than 1/8 inch (4 mm).
- fig. b: Golden to brown fly with red to brownish eyes.
- fig. c: Short 'feathery' antennae (branched arista).
- fig. d: Wing has a particular vein pattern.



SWD Males:

1. Can be slightly smaller in size than SWD females.
2. Dark or smoky **spot** on the leading edge of the wing near the tip, centered on the first major wing vein (fig. 1).
3. Markings consist of darkened thick or thin **bands** around the abdominal segments (fig. 2). Bands are unbroken; complete.
4. Front legs with **two black combs** each (fig. 3). Combs have 3 to 6 teeth. Teeth of combs run parallel to the length of leg.

***Drosophila suzukii* "spotless" wing male character summary:**
 Sometimes (not common) there are no "spots" on wing vein, only a hint of a spot (lightly tinted);
 However, continuous dark bands will be present on abdomen and last segment often dark brown;
 Remember, two combs will always be present on the male's front legs.

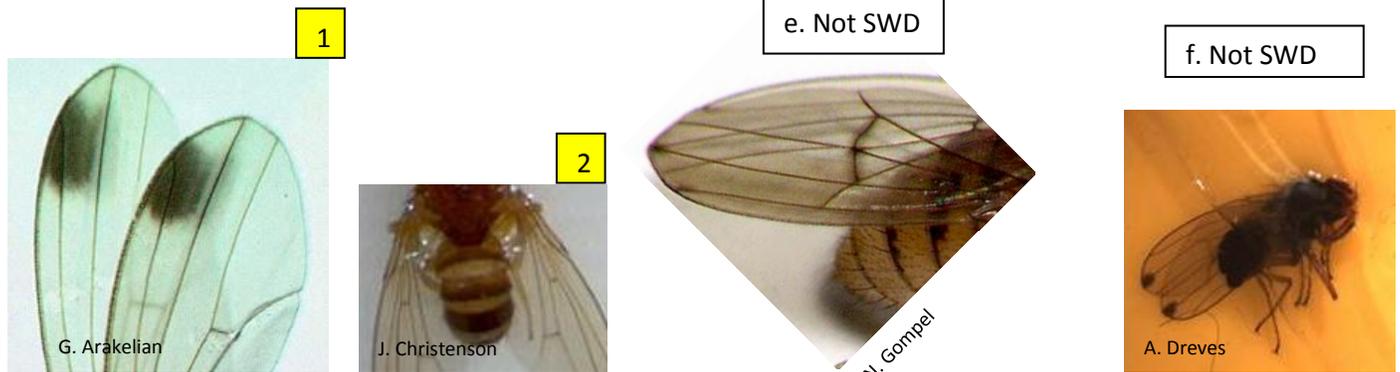


fig. 1: Male SWD – spots on leading edge of wing.

figs. e-f: Other *Drosophila* species might have small spots on, patterns, or smokiness on side veins of wings.



fig. 3: Male SWD always have two combs (3-6 teeth) running parallel on front legs.

figs. g-h: Other *Drosophila* spp. can have black combs (1 or 2) with more teeth running perpendicular, not parallel with leg.