

Invasive Species  
POSTER

### **Biology and Trapping of Spotted Wing Drosophila**

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*Abstract:* The spotted wing drosophila (SWD) is a serious invasive pest of small and stone fruits. With a serrated ovipositor, the female lays eggs inside ripening and ripe fruit hanging on the plant. A survey of field-collected fruit at different ripeness stages indicated that SWD attacks the ripe stage, and the color-changing stage was less preferred. Laboratory assays that exposed SWD to various wild and ornamental fruit, suggest that cherry laurel, dogwood, gooseberry, hardy kiwi, huckleberry, lingonberry, mountain ash, and salal may potentially be susceptible to SWD. A large-scale trapping study done by cooperators in British Columbia and six U.S. states showed that traps with mesh openings seemed to collect many flies. A two-year field study showed that red traps were generally higher in fly catches, although not always statistically different.