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## **USHBC MEMO**

To: Blueberry Industry Members  
From: Mark Villata  
Date: June 17, 2011  
**Re: Spotted Wing Drosophila Update and Information Sources**

Spotted Wing Drosophila is a serious pest and a threat to our industry. In a continuing effort to provide the blueberry industry with background information and education, the USHBC Good Management Practices (GMP) Committee provides the following memo concerning the Spotted Wing Drosophila (SWD) and where growers can find additional information on this pest.

SWD is an invasive pest native to Japan and was undetected in the United States until 2009. According to the *National Agricultural Pest Information System- Purdue*, SWD has been found to date in:

California	North Carolina
Oregon	South Carolina
Washington	Florida
Michigan	Louisiana
Wisconsin	

This pest has become a top research priority with studies underway to learn more about its biology and control.

Adult SWD look like most other "vinegar flies" and are about 2 to 3 mm in length. SWD has red eyes and a yellowish-brown body with dark brown bands on the abdomen. Males have a small dark spot on the top front edge of the wing; females do not have this wing spot.

The SWD is active from April to November and attacks healthy fruit before the harvest. Females lay eggs in healthy ripening fruit. Eggs hatch in from 1 to 3 days depending on fruit temperature and maggots begin feeding inside the fruit.

Monitoring for SWD should begin just before the fruit first begins to ripen using baits and traps. Blueberry members are encouraged to visit the following website locations for more information on the SWD, monitoring and baiting:

***University Sources for SWD Information:***

**Oregon State University-**

<http://swd.hort.oregonstate.edu/>

**Washington State University-**

[www.mountvernon.wsu.edu/ENTOMOLOGY/pests/SWD.html](http://www.mountvernon.wsu.edu/ENTOMOLOGY/pests/SWD.html)

**Michigan State University-**

[www.ipm.msu.edu/SWD.htm](http://www.ipm.msu.edu/SWD.htm)

**University of California Davis-**

<http://ucipm.ucdavis.edu/PMG/r105400311.html>

**University of Florida-**

<http://edis.ifas.ufl.edu/in839>

***Other Sources:***

**British Columbia Department of Ag-**

[www.al.gov.bc.ca/cropprot/swd.htm](http://www.al.gov.bc.ca/cropprot/swd.htm)

**Peerbolt Crop Management-**

<http://www.berriesnw.com/BerryDisordersDetail.asp?id=146>

**North Carolina Small Fruit-**

<http://ncsmallfruitsipm.blogspot.com/p/spotted-wing-drosophila.html>