

**Vineyard IPM Scouting Report for week of 28 September, 2009**  
**UW-Extension Door County and Peninsular Agricultural Research Station**  
**Sturgeon Bay, WI**

**Pest Report**

Strong winds earlier this week resulted in some berries being damaged, which has resulted in some yellowjackets feeding on damaged fruit. You should be on the lookout for other insect pests that visit damaged fruit, namely Multicolored Asian Lady Beetles. Also be aware that cool rainy weather may result in new disease pressures appearing, such as botrytis and other bunch rots. La Crescent grapes this week had disease symptomology on the rachis of phomopsis (see photo). Phomopsis infection of the rachis occurs very early in the growing season, but remains latent until the fruits begin to ripen. Symptoms of phomopsis on the leaves and canes may not develop, making it difficult to diagnose phomopsis.



**Phomopsis of the rachis on La Crescent grapes.**

**Brix of selected grape varieties from around Wisconsin for the week of 28 September 2009.**

Variety	Peninsular ARS	Vernon County
Brix		
Baco Noir	17.2	ND
Baltica	ND <sup>1</sup>	ND
Edelweiss	ND	14.0 <sup>2</sup>
Espirit	16.0	ND
Foch	18.2	20.5 <sup>3</sup>
Frontenac	17.5	20.5
La Crescent	19.2	ND
La Crosse	15.0	14.5
Leon Millot	17.7	ND
Seyval Blanc	16.8	ND
St. Croix	15.8	ND
St. Pepin	18.2	ND

<sup>1</sup>ND represents no data.

<sup>2</sup>Edelweiss grapes harvested at 14.0 Brix the week of 9/14/2009

<sup>3</sup>Foch grapes harvested at 20.5 Brix on 9/22/2009.

**Brix of seedless table grape varieties at Peninsular Agricultural Research Station.**

Variety	Date Sampled		
	9/14/2009	9/21/2009	9/28/09
		<b>Brix</b>	
<b>Einset</b>	<b>15.0</b>	<b>16.4</b>	<b>17.0</b>
<b>Marquis</b>	<b>10.5</b>	<b>12.7</b>	<b>14.0</b>
<b>Mars</b>	<b>12.4</b>	<b>13.1</b>	<b>15.0</b>
<b>Petite Jewel</b>	<b>16.2</b>	<b>15.8</b>	<b>16.0</b>
<b>Summersweet</b>	<b>12.8</b>	<b>14.2</b>	<b>15.0</b>
<b>Trollhaugen</b>	<b>15.8</b>	<b>17.2</b>	<b>19.5</b>
<b>Vanessa</b>	<b>18.2</b>	<b>18.4</b>	<b>18.0</b>



**La Crescent grapes maturing at PARS.**



**St. Pepin grapes maturing at PARS.**

**Fruit development on mature grape vines at Peninsular Agricultural Research Station in Sturgeon Bay, Wisconsin.**



**Foch September 28, 2009**



**La Crosse September 28, 2009**

**Fruit development on mature grape vines in Vernon County.**



**Harvested at 20.5 Brix**

**Foch September 22, 2009**



**La Crosse September 28, 2009**

**Weekly Degree Day<sup>1</sup> at Base 50 Accumulation at Peninsular Agricultural Research Station in Sturgeon Bay, WI**

<b>Date</b>	<b>2009</b>	<b>2008</b>	<b>5 Year Average</b>
7/19	961	1038	1109
7/26	1079	1176	1246
8/2	1200	1313	1402
8/9	1330	1450	1544
8/16	1476	1567	1661
8/23	1579	1707	1776
8/30	1659	1813	1890
9/6	1743	1927	2016
9/14	1859	2001	2106
9/21	1961	2070	2185
9/28	2055	2168	2270

<sup>1</sup>Modified method

**Weekly Degree Day<sup>1</sup> at Base 50 Accumulation at West Madison Agricultural Research Station, Madison, WI**

<b>Date</b>	<b>2009</b>	<b>2008</b>	<b>3 Year Average</b>
7/19	1211	1273	1399
7/26	1324	1419	1545
8/2	1437	1582	1724
8/9	1575	1719	1874
8/16	1732	1833	2011
8/23	1839	1987	2146
8/30	1932	2104	2272
9/6	2018	2220	2392
9/14	2137	2304	2457
9/21	2243	2394	2555
9/28	2340	2514	2647

<sup>1</sup>Modified method

Please scout your vineyards on a regularly scheduled basis in an effort to manage problem pests. This report contains information on scouting reports from specific locations and may not reflect pest problems in your vineyard. If you would like more information on IPM in grapes, please contact Dean Volenberg at (920)746-2260 or [dean.volenberg@ces.uwex.edu](mailto:dean.volenberg@ces.uwex.edu)

## **Understanding Pesticides**

### **An Introductory Course for Commercial Fruit Growers**

- Are you familiar with all the new pesticide groups?
- Do you understand how pesticides work?
- Do you know the difference between a residue and a tolerance, and how these relate to the PHI?
- Do you know all of the legal aspects of a pesticide label?
- Do you understand how pests develop resistance to pesticides? And how to avoid resistance?

If you answered “no” to any of these questions, you may wish to take this UW-Extension workshop for fruit growers.

**Course objectives.** The purpose of this course is to provide basic information on pesticides, such as their toxicity, the laws that govern their use, and how pests develop resistance to them. The intent of the course is **not** to answer specific questions on controlling specific pests, but instead, to lay a foundation for a better understanding of safe and effective pesticide use. Much of the material in the introductory morning sessions (Pesticide Overview Modules) will be similar to content in Wisconsin’s Pesticide Applicator Training program. If you have Pesticide Applicator Certification, some of this material will be a review; if you are not certified, this information will be a useful introduction to some of the subjects covered in the certification training program. **(But note that this short course is *not* part of the formal Pesticide Applicator Training program.)**

*Who may attend?* The target audience is all commercial fruit growers, whether just beginning or with a life-long experience growing fruit. Those people new to farming will likely benefit the most.

*When is the workshop?* Saturday, November 7, 2009; 8:30 – 5:15.

*What is the location?* University of Wisconsin Extension’s Pyle Center, on the UW – Madison campus.

*What is the cost?* The **registration fee of \$40/person** covers facility costs, refreshment breaks, lunch, and handouts.

*Who are the instructors?*

Dr. Dan Mahr is Professor of Entomology and Extension Fruit Crops Entomologist, UW-Madison.

Dr. Patty McManus is Professor of Plant Pathology and Extension Fruit Crops Pathologist, UW-Madison.

Dr. Jed Colquhoun is Associate Professor of Horticulture and Extension Weed Scientist, UW-Madison.

The minimum enrollment for this course is 20 registrants by Friday October 16.

Registration will be capped at 48; registration is first-come, first served.

The final, fees-paid, registration deadline is Friday, October 23.

**No on-site registration.**

For more information, contact Dr. Dan Mahr at 608-262-3228 or email [dmahr@entomology.wisc.edu](mailto:dmahr@entomology.wisc.edu) .

### **The Day’s Agenda**

- 8:30 – Registration
- 9:00 – Pesticide Overview – Module 1
- 10:30 – Break
- 10:45 – Pesticide Overview – Module 2
- 12:00 – Lunch (provided with registration fee)
- 12:30 – Catch-up and discussion
- 12:45 – Fruit crop fungicides
- 2:00 – Break
- 2:10 – Fruit crop herbicides
- 3:25 – Break
- 3:40 – Fruit crop insecticides
- 4:55 – Catch-up; wrap-up; evaluations
- 5:15 – Adjourn

Specific topics to be covered in the morning modules include Pesticide Categories, Understanding Pesticide Toxicology, Spectrums of Pesticide Activity, Pesticide Names, Pesticide Formulations, Pesticide Laws and Regulations, the Pesticide Label, Reducing Pesticide Risk, Avoiding Pesticide Resistance, Pesticide Movement in Plants, Pesticide Application, Understanding Label Rates, Biorational Pesticides, Pesticides for Certified Organic Production.

In the afternoon, specialists will present information about the major groups of pesticides – fungicides, herbicides, and insecticides. The emphasis will be on the characteristics and general uses of specific pesticide groups. Discussions will include conventional and biorational products as well as those for certified organic production.

# Understanding Pesticides: An Introductory Course for Fruit Growers

Presented by University of Wisconsin – Extension; Saturday, November 7, 2009

## Registration Form

Contact Name \_\_\_\_\_

Farm/Business \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (     ) \_\_\_\_\_ Email \_\_\_\_\_

Name(s) of Attendee(s) (for name badges)

(1) \_\_\_\_\_ (2) \_\_\_\_\_

(3) \_\_\_\_\_ (4) \_\_\_\_\_

**Registration fee is \$40/person. Fee covers facility costs, handouts, lunch, and refreshments.**

**Final Registration Deadline: Friday October 23.**

You will be sent a registration acknowledgement.

Number attending: \_\_\_\_\_ Total amount enclosed @ \$40 each: \_\_\_\_\_

Make checks payable to: **University of Wisconsin.** *(Sorry, we can not process credit cards.)*

Mail form along with payment to:

Fruit Growers' Workshop  
Department of Entomology  
University of Wisconsin  
1630 Linden Drive  
Madison, WI 53706

**Important – meal choice!** Boxed lunches will include a sandwich, chips, fruit, beverage, and light desert. Please check your choice of sandwich from the following list. If there is more than one attending from your group **on this registration form**, place the initials of the attendee(s) next to the choice of sandwich(es).

Choice 1: Smoked turkey breast on cheese roll, with lettuce, tomato, onion. \_\_\_\_\_

Choice 2: Corned beef and baby Swiss on onion roll with lettuce, tomato, onion. \_\_\_\_\_

Choice 3: Pine nut humus & feta spread and veggies on sourdough (vegetarian). \_\_\_\_\_

**The following information is optional, but will guide us in developing the program.**

How long have you been farming?     a. In the process of getting started.  
  b. 1-2 years  
  c. 3-5 years  
  d. 6-10 years  
  e. more than 10 years.

Have you taken the Pesticide Applicator Training Program to become a certified applicator?   Yes    No

What is your current total producing acreage of fruit crops? \_\_\_\_\_ acres

What are the primary fruit crops that you grow? (Circle up to 3.)

apple	cherry	grape	strawberry
blueberry	cranberry	raspberry	other (please list)

\_\_\_\_\_