Pest Report

Powdery and downy mildew are present in most vineyards scouted this week. The presence of these two diseases seems to be restricted to “hot spots” in the vineyards that may have microclimates that provide environmental conditions for disease development. The rains this past week has resulted in some berries splitting which may result in an influx of Multi-colored Asian Lady Beetles, yellowjackets, and bees in the near future. As grapes near harvest, scouting should occur on a daily basis so you are not surprised by a pest infestation when harvest comes. Although, heat unit accumulation is behind the long term average, berries are accumulating sugars and nearing harvestable Brix levels.

Brix of selected grape varieties from around Wisconsin for the week of 21 September 2009.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Peninsular ARS</th>
<th>Vernon County</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Brix</td>
<td></td>
</tr>
<tr>
<td>Baco Noir</td>
<td>15.0</td>
<td>ND</td>
</tr>
<tr>
<td>Baltica</td>
<td>23.2</td>
<td>ND</td>
</tr>
<tr>
<td>Edelweiss</td>
<td>ND</td>
<td>14.0&lt;sup&gt;2&lt;/sup&gt;</td>
</tr>
<tr>
<td>Espirit</td>
<td>14.6</td>
<td>ND</td>
</tr>
<tr>
<td>Foch</td>
<td>17.2</td>
<td>20.5&lt;sup&gt;3&lt;/sup&gt;</td>
</tr>
<tr>
<td>Frontenac</td>
<td>16.8</td>
<td>20.5</td>
</tr>
<tr>
<td>La Crescent</td>
<td>16.8</td>
<td>ND</td>
</tr>
<tr>
<td>La Crosse</td>
<td>13.2</td>
<td>14.5</td>
</tr>
<tr>
<td>Leon Millot</td>
<td>17.2</td>
<td>ND</td>
</tr>
<tr>
<td>Seyval Blanc</td>
<td>16.9</td>
<td>ND</td>
</tr>
<tr>
<td>St. Croix</td>
<td>14.4</td>
<td>ND</td>
</tr>
<tr>
<td>St. Pepin</td>
<td>17.7</td>
<td>ND</td>
</tr>
</tbody>
</table>

<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.
**Variety** | **Date Sampled** | **Brix**
---|---|---
Einset | 9/14/2009 | 15.0
| 9/21/2009 | 16.4
Marquis | 9/14/2009 | 10.5
| 9/21/2009 | 12.7
Mars | 9/14/2009 | 12.4
| 9/21/2009 | 13.1
Petite Jewel | 9/14/2009 | 16.2
| 9/21/2009 | 15.8
SummerSweet | 9/14/2009 | 12.8
| 9/21/2009 | 14.2
Trollhaugen | 9/14/2009 | 15.8
| 9/21/2009 | 17.2
Vanessa | 9/14/2009 | 18.2
| 9/21/2009 | 18.4

La Crescent grapes maturing at PARS.

St. Pepin grapes maturing at PARS.

The harvesting of Foch grapes in Vernon County took place this week.
Fruit development on mature grape vines at Peninsular Agricultural Research Station in Sturgeon Bay, Wisconsin.

Fruit development on mature grape vines in Vernon County.
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
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.

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.
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 hummus & 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)