2009
Grape Growers
Integrated Pest
Management
Field Day

August 26, 2009
Chateau St. Croix
1998 A State Road 87, St. Croix Falls

August 27, 2009
Peninsular Agricultural
Research Station
4312 Hwy 42, Sturgeon Bay

Presenters

Rufus Isaacs, Small Fruit Entomologist at Michigan State University will be a presenter at the St. Croix & Peninsular Field Days. Rufus was a co-author of the Pocket Guide for Grape IPM Scouting in the North Central and Eastern United States and works closely with Michigan’s grape industry to develop and implement IPM for insect pests.

Dan Mahr, UW-Extension Fruit Entomologist will share his expertise on beneficial natural enemies found in and around the vineyard. Dan has implemented IPM in a number of fruit crops throughout Wisconsin. Now in grapes, Dan will explain how to identify and conserve these beneficial natural enemies.

Steve Jordan & Patty McManus, UW-Madison, Department of Plant Pathology will share their expertise on grape diseases. Steve will share his extensive knowledge on Eutypa dieback—a grape cane disease that is often overlooked. Steve is a welcome addition to Wisconsin and comes from Michigan State University.

Sponsors
North Central Risk Management Education Center
EPA-Pesticide Environmental

Registration/Information
You may register at either site the day of the event. Registration begins at 8:30 and the program starts at 9:00 am. If you would like more information please contact Dean Volenberg at 920-746-2260 or dean.volenberg@ces.uwex.edu
Program Agenda
2009 Grape Growers IPM Field Day

Morning Classroom Session

8:30 a.m. Registration
9:00 a.m. Welcome
9:30 a.m. Beneficial Natural Enemies in the Vineyard
Dan Mahr, UWEX Fruit Entomologist
10:15 a.m. Break
10:30 a.m. Grape IPM Scouting Techniques
Rufus Isaacs, Dept. of Entomology, Michigan State University
11:15 a.m. Grape Cane Diseases
Steve Jordan & Patty McManus, Department of Plant Pathology, UW-Madison
12 noon LUNCH

Afternoon Field Session

12:45 p.m. & 1:30 p.m.— Demonstrations
Note: concurrent sessions
1. Scouting and monitoring techniques
2. Sprayer calibration and dispersion
2:15 p.m. Break
2:30 p.m. Vineyard Weed Management
3:15 p.m. Wrap-up
3:30 p.m. Adjourn
What’s lurking in or near the vineyards this week?

Black Rot
On wild grapes near Sturgeon Bay, WI

Downy mildew
Downy mildew symptomology on wild grapes near Sturgeon Bay, WI

Phylloxera
Phylloxera advancing on wild grapes near Sturgeon Bay, WI

Grape Berry Moth
Mummified berry and webbing (above and left) and stung berries (below).
Fruit development on mature grape vines at Peninsular Agricultural Research Station in Sturgeon Bay, Wisconsin.

Fruit development on mature grape vines in Vernon County.

Vine development of Foch and La Crosse in the 2nd year at the Spooner Agricultural Research Station.
### Weekly Degree Day at Base 50 Accumulation at Peninsular Agricultural Research Station in Sturgeon Bay, WI

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1 Modified method

### Weekly Degree Day at Base 50 Accumulation at West Madison Agricultural Research Station, Madison, WI

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1 Modified method

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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
Understand 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 lifelong 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.
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)