

## ***Wine-Grower-News #10***

Midwest Grape & Wine Industry Institute: <http://www.extension.iastate.edu/Wine>

July 13, 2007

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### **Japanese Beetles Chewing on Grape Leaves**

I started getting reports of Japanese Beetles (JBs) (*Popillia japonica*) showing up on grapes around the last week of June. They normally begin to emerge from the soil around mid-June and will normally start to aggregate in large numbers and do most of their feeding from July through September. Grapes are high on the list of the over 300 species of plants JBs like to chew on. They love to eat grape leaves by eating the top leaf layer of tissue between the veins (skeletonizing). American varieties are fairly resistant. French varieties and the hybrids are more susceptible. Young vines are the most susceptible and can be completely defoliated when high numbers are present. Very seldom will JB's feed on the berries. Moderate feeding on the top leaves in the grape canopy can be common and often will not cause any economic damage. Serious leaf feeding from heavy populations after veraison is more likely to cause economic yield losses.

JB bait traps can be purchased and used to monitor the emergence of JB's and relative populations. It is recommended to put the traps on the vineyard edges and not in the vineyard. Trapping is primarily a method of monitoring and not control. *Bacillus popilliae* (milky spore disease) is biological control agent that has been used to protect grassy areas from large larval populations, but it is ineffective against adults entering the vineyard. Adults are capable of flying great distances and will come into the vineyard from untreated areas. Insecticide applications are usually necessary for control.

The following insecticides have the highest efficacy rating in The 2007 Midwest Commercial Small Fruit and Grape Spray Guide.

Product	Rate/Ac.	Approx. \$/Ac.	Restricted Use	PHI
Baythroid XL	1.6-2.8 oz.	\$5 - \$9	Yes	3 days
Danitol 2.4 EC	10.7 – 21.3 oz.	\$15 - \$30	Yes	21 days
Mustang Max	4 oz	\$8	Yes	1 day*
Sevin XLR	1-2 qt.	\$10 - \$20	No	7 days

\*Note – Mustang Max was recently labeled for leafhopper control in grapes was not listed in the 2007 spray guide. It is an effective JB control product in sweet corn, field corn, peas, and beans and would probably provide good control of JB in grapes. PHI = Pre-harvest Interval

Further resources:

1. Japanese Beetles on Grape, Virginia Tech Fruit Page:  
<http://www.virginiafruit.ento.vt.edu/JBgrape.html>
2. Japanese Beetles, Michigan State Univ.: <http://www.grapes.msu.edu/japanesebeetle.htm>
3. Managing Adult Japanese Beetles: Univ. of Kentucky:  
<http://www.ca.uky.edu/entomology/entfacts/ef409.asp>
4. ISU Insect Information Notes: <http://www.ipm.iastate.edu/ipm/iin/node/125>
5. ISU Current Japanese Distribution Map by Iowa County:  
<http://www.ipm.iastate.edu/ipm/hortnews/node/276>
6. Midwest Small Fruit & Grape Spray Guide: <http://www.hort.purdue.edu/hort/ext/sfg/>

## Lag Phase of Berry Development is About Here

The lag phase of berry development corresponds to the slow period of berry development approximately 55 days after first bloom for many of our varieties. The berries have attained about 50% of their final weight at the lag phase. A multiplier of 2 can be used to predict the final cluster weight at harvest. Keeping long term records of average cluster weights during the lag phase and at harvest will give you a more accurate multiplier to use in the future. A random sample of 100 – 200 clusters per variety per vineyard block is recommended during this time of the season. Berry weight typically stays the same from year to year, but the number of berries within the cluster can vary greatly. A good random and unbiased sampling procedure is needed to get an accurate sample. The lag phase of berry development normally lasts about 1 week.

1. Predicting Wine Grape Crops, Good Fruit Grower, 3-15-07:  
<http://www.goodfruit.com/issues.php?article=97&issue=52>
2. Crop Prediction: NC Winegrape Growers Guide, NC State Univ:  
[http://www.cals.ncsu.edu/hort\\_sci/fruit/winegrapesada/winegrapesada12.pdf](http://www.cals.ncsu.edu/hort_sci/fruit/winegrapesada/winegrapesada12.pdf)
3. Yield Estimation, Washington State Univ.:  
<http://winegrapes.wsu.edu/archivedTOM/topic7-06.html>

## 2006 Top 10 Grape Varieties Grown in Iowa

According to the 2006 USDA AG Statistics Iowa Vineyard Survey Summary that was recently completed, here are the top 10 grape varieties by acreage being grown in Iowa.

Variety	% of Acreage
1. Marechal Foch	19.3

2. Edelweiss	11.0
3. Frontenac	9.7
4. LaCrosse	6.9
5. St. Croix	6.0
6. Concord	4.4
7. LaCrescent	4.0
8. St. Vincent	3.7
9. Vignoles	3.7
10. Seyval Blanc	3.3

The 236 vineyards responding to this survey reported 539 acres averaging 2.3 acres per vineyard. Respondents to the survey reported variety acreage data on only 483 acres of the 530 acreage total. A total of 32 varieties were reported. You can see the entire 2006 Iowa Vineyard Survey Summary report here:

[http://www.nass.usda.gov/Statistics\\_by\\_State/Iowa/Publications/Crop\\_Report/reports/2007/News%20ORIs%20Vineyard.pdf](http://www.nass.usda.gov/Statistics_by_State/Iowa/Publications/Crop_Report/reports/2007/News%20ORIs%20Vineyard.pdf)

### **Top 10 Grape Varieties Utilized for Iowa Wine in 2007**

According the 2006 USDA AG Statistics Iowa Winery Survey Summary that was recently completed, here are the top 10 Iowa grapes varieties by tonnage that will be utilized for wine in 2007.

<b>Variety</b>	<b>Estimated 2007 Tonnage</b>
1. Edelweiss	154.6
2. Marechal Foch	115.3
3. Frontenac	105.5
4. Catawba	66.5
5. St. Croix	52.4
6. LaCrosse	47.2
7. St Vincent	28.0
8. Steuben	20.5
9. Niagara	13.1
10. St. Pepin	11.7

You can see the entire 2006 Iowa Winery Survey Summary report here:

[http://www.nass.usda.gov/Statistics\\_by\\_State/Iowa/Publications/Crop\\_Report/reports/2007/News%20ORIs%20Winery.pdf](http://www.nass.usda.gov/Statistics_by_State/Iowa/Publications/Crop_Report/reports/2007/News%20ORIs%20Winery.pdf)

### **New Book! “Iowa Wineries & Other Adventures” by Floyd Pearce**

Floyd Pearce, esteemed editor of the Western Iowa Grape Growers Association’s quarterly newsletter “*From the Grape Vine*” has written a book about Iowa’s wineries. This 88 page book has a page for each Iowa winery. The “Other Adventures” portion of the book has information about nearby museums, casinos, parks, historical attractions, recreation and a few famous Iowan’s. This spiral bound book can be found at bookstores and gift shops for \$18 each. You can also order directly from the publisher for \$20. This price includes tax, shipping and handling.

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## **Mark Your Calendar - Major Vine/Wine Conference Dates**

1. Illinois Grape Growers & Vintners Association, Feb. 21-24, 2008 - Hilton Hotel, Springfield, IL
2. Iowa Wine Growers Association Annual Conference, Feb. 8-9, 2008 - Des Moines Area Community College (DMACC), Ankeny, IA
3. Minnesota Grape Growers Annual Membership Business Meeting, Jan. 12, 2008  
Minnesota Cold Climate Conference, Feb. 15 & 16, 2008 – Bloomington, MN:  
[http://mngrapes.org/?page\\_id=31](http://mngrapes.org/?page_id=31)
4. Midwest Grape & Wine Conference, Feb 2-4, 2008 – Tan-Tar-A Resort, Osage Beach, MO:  
[http://www.missouriwine.org/frame\\_meetings.html](http://www.missouriwine.org/frame_meetings.html)
5. University of Nebraska's Fall Grape Growers Workshop, Nov. 3, 2007 – Lincoln, NE  
Nebraska Winery & Grape Growers Forum, March 29 – April 1, 2008 - Holiday Inn, Kearney, NE
6. Unified Grape & Wine Symposium, Jan. 29-31, 2008 – Sacramento, California:  
<http://www.unifiedsymposium.org/>
7. Wineries Unlimited, March 4-7, 2008 – Valley Forge Convention Center, King of Prussia, PA:  
<http://www.vwm-online.com/dpage.asp?pid=185>

## **New ISU Plant and Insect Diagnostic Clinic (PIDC)**

The ISU Plant Disease Clinic and the Insect Clinic have merged to form the Plant and Insect Diagnostic Clinic (PIDC). This new clinic is housed in the Department of Plant Pathology, and represents collaboration between the Departments of Plant Pathology, Entomology, Horticulture and Agronomy. This one-stop shop will greatly streamline submission and identification of plant and insect pests. A \$10 fee will be charged for plant disease and insect feeding damage diagnosis. Weed, insect, plant and mushroom ID and herbicide damage assessment will be at no charge..

All plant and insect samples should be sent to the following address. The WWW page is currently under development and will soon have the forms and information you will need to send in samples. In the mean time, I would suggest calling the clinic to determine how they would like your particular sample sent in. They are often able to identify the problem via digital photos.

Plant and Insect Diagnostic Clinic,  
327 Bessey Hall  
Ames, IA 50011  
Ph: 515-294-0581  
<http://www.plantpath.iastate.edu/pidc/>

## **Reminder: Eastern Iowa IWGA Roundtable, July 18 at Stone Cliff Winery**

The second Iowa Wine Growers Association Roundtable forum will be held July 18, 2007 at Stone Cliff Winery in Dubuque. Three of these Roundtable forums are being held to give an opportunity for growers and winemakers alike to voice concerns, hopes and visions for our industry. It is also a chance for the IWGA Board to clarify and to share information with members regarding the direction they would like to see this industry heading.

Time: 7-9 PM , Wednesday, July 18, 2007

Location: Stone Cliff Winery, 600 Star Brewery Dr., Dubuque, IA 52110 (563-552-1200)

<http://www.stonecliffwinery.com/>

Agenda: Making the Iowa Wine Industry Successful  
Barriers and Threats to the Iowa Wine Industry  
Establishing the First Mid-America Vintner's Quality Alliance  
IWGA's Focus for 2007 and 2008

Cost: No Charge

RSVP by NOON, Tuesday, June 17 at IWGA office: 800-383-1682

## **Upcoming ISU Research Farm Viticulture Field Days**

Iowa State University has posted details and registration materials of the following viticulture field days on the ISU Viticulture home page here: <http://viticulture.hort.iastate.edu/events/events.html>

9AM – 3PM, Saturday, July 28, 2007, ISU Horticulture Research Station, Ames, IA

Location: <http://www.hort.iastate.edu/facilities/hortfarm.html>

6-8PM, Monday, August 2, 2007, ISU Armstrong Research Farm, Lewis, IA

<http://www.ag.iastate.edu/farms/armstrong.php>

6-8PM, Tuesday, August 10, 2007, ISU Southeast Research Farm, Crawfordsville, IA

<http://www.ag.iastate.edu/farms/southeast.php>

9:30AM – Noon, Wednesday, August 11, 2007, ISU Northeast Research Farm, Nashua, IA.

<http://www.ag.iastate.edu/farms/northeast.php>

## **NWGGA Advanced Grapevine Nutrition Workshops**

Advanced Grapevine Nutrition Workshops

Friday, July 27 James Arthur Vineyards, Raymond, NE –Speaker, Carl Rosen, UM

Saturday, July 28 Cuthills Vineyards, Pierce, NE – Speaker, Carl Rosen, UM

Friday, August 3 Geo Spencer Vineyards, Gibbon, NE – Speaker, Paul Domoto, ISU

Saturday, August 4 South Fork Vineyards, Ogallala, NE – Speaker, Paul Domoto, ISU

Schedule

9 AM Welcome & Registration (\$15 NWGGA Members, \$20 Non-members)

9:30 – 11:30 AM Classroom Presentation by speaker

11:30 AM – 12:30 PM Lunch

12:30 – 2:00 PM Field Activities

2:00 – 3:00 PM Harvest Parameters (UNL), Refractometer (Brix), pH, Record Keeping,  
Weighing Grape Clusters

Pre-register by e-mail to: Trish Lengel at [tlengel@cozadtel.net](mailto:tlengel@cozadtel.net) or phone 308-520-3664

All participants will be entered into a drawing for 3 free petiole samples and receive a complimentary DVD recording of the workshop.

## **300 Million Bottles of Two Buck Chuck in 5 Years**

(6-22-07 Napa Valley Register: <http://www.napavalleyregister.com/>)

The cheap Chardonnays and Cabernets sold as Two Buck Chuck has now sold over 300 million bottles since their debut five years ago. Sold exclusively in the Trader Joes chain stores for \$1.99 each, Two Buck Chuck now accounts for over 8% of California's retail wine sales. The Two Buck Chuck label is owned by Charles Shaw Wines. Maverick Vintner Frank Franzia owns Charles Shaw Wines.

## **Lists of Wine Competitions**

1. Home Wine Competitions: <http://winemaking.jackkeller.net/winecomp.asp>
2. The Wine Institutes list:  
[http://www.wineinstitute.org/industry/resources/wine\\_competition\\_guide\\_intro.php](http://www.wineinstitute.org/industry/resources/wine_competition_guide_intro.php)
3. California Wine & Food list: <http://www.californiawineandfood.com/links/winecompetitions.html>
4. Missouri Wine Country list of 2007 Wine Competitions:  
<http://www.missouriwinecountry.com/news/competitions/>
5. Official Winery.Com's list: <http://officialwinery.com/winery/Category/Wine-Competitions/>

## **Neeto-Keeno WWW Stuff**

1. Wine Library TV: <http://tv.winelibrary.com/>
2. World of Wine In Iowa: <http://www.worldofwine-ia.com/>
3. Texas Winegrape Network: <http://winegrapes.tamu.edu/>
4. List of 2007 Wine Competitions: [http://www.missouriwine.org/frame\\_meetings.html](http://www.missouriwine.org/frame_meetings.html)

Past issues archived here: <http://www.extension.iastate.edu/ag/newsletters/winegrowers.html>

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