

Kentucky Fruit Facts

January 2007 (1/2007)

Fruit Facts can be found on the web at: <http://www.ca.uky.edu/fruitfacts/>

John Strang, Extension Fruit Specialist, Editor
Karen Shahan, Administrative Assistant

Fruit Crop News

We are experiencing a seriously warm winter. As of January 21, 2007 we have accumulated 1,323 chilling hours below 45 F. Thus, the chilling requirements for peaches, blackberries, blueberries and grapes have been satisfied and these plants will grow when exposed to warm temperatures. The flower buds on some of the Southern highbush blueberry varieties with short chilling requirements at our Horticultural Research Farm in Lexington have expanded to the point that the flower buds are visible and some flowering quinces in the area are blooming. Apple and peach buds are slightly swollen.

El Nino is expected to decrease from February through May of 2007. Expect above normal temperatures and less than average precipitation through the winter and early spring.

Rest easy for one more year. Next year, 2008 will be the year of serious 17 year cicada problems across Kentucky.



Upcoming Meetings

Jan. 25-28. 16th Annual Practical Tools and Solutions for Sustaining Family Farms Conference, Louisville, KY. This conference will feature over 50 sessions facilitated by experts from throughout the U.S. Topics include sustainable and organic livestock and horticultural production, direct marketing strategies, community food systems and agricultural policies. There will also be intensive farm enterprise short courses, community food systems mini courses, and on-farm experienced organic vegetable farmer exchange, a trade show and sustainable agriculture exhibits. The conference is sponsored by the KDA, USDA, Kentucky State University, Southern Region Risk Management Education Center, and the American Pastured Poultry Producers Association. For more information visit the web site: www.ssawg.org

Jan. 26. Fresh Market Tomato, Pumpkin and Cucumber Production, Cedar Creek Sportsman Association, Stanford. Contact Dan Grigson 606-365-2459.

Jan. 29. Beginning Commercial Apple Production Workshop, Indianapolis, IN. Contact Peter Hirst phone: 765-494-1323; e-mail: hirst@purdue.edu

Jan. 29-30. Indiana Horticultural Congress and Trade Show, Adams Mark Hotel, 2544 Executive Drive, Indianapolis, IN 46241. Website: <http://www.hort.purdue.edu/hort/ext/hortcongress/ihc2007.html>

Feb. 12. Farmers Market Vegetable Production with Emphasis on New Cultivars and Weed Control, Flemingsburg. Contact Jeff Smith 606-845-4641.

Inside This Issue:

- 1 -- Fruit Crop News
- 2 -- Upcoming Meetings
- 3 -- KY Proud Farmers' Market Summit and GAP Program Workshop
- 3 -- Plum Pox Virus Revisited
- 4 -- The Kentucky Grapevine: Information Sources for Kentucky Grape Growers
- 4 -- Kentucky Department of Agriculture Rinse and Return and Farm Chemical Collection Programs
- 5 -- 2007 Midwest Commercial Fruit Spray Guides and 2006 Fruit and Vegetable Crops Research Report Available
- 5 -- Reregistration of Phosmet (Imidan®)
- 5 -- Midwest Strawberry Production Guide Available

Feb. 12. Farmers Market Vegetable Production, Lawrence County Extension Office, Louisa. Noon Contact 606-638-9495.

Feb. 14. Fruit Tree Grafting. 9 am to noon. Warren County Extension Office, Bowling Green. Contact Carol LaFaver, 270-842-1681.

Feb. 19-20. Ohio Valley Marketing Conference, Holiday Inn-Hurstbourne, Louisville, KY. 2-day registration \$30, daily registration \$20. Featured topics, Program Monday: Food to Table Showcase, Regional Cuisine, Marketing to Restaurants; Tuesday: Marketing Meat, Agritainment, Alternative Ways to Successful Marketing, Marketing to Ethnic Groups, Marketing to Institutions, Liability Issues/Insurance, Value Added Marketing, Organic Marketing, Finding a Niche Market. Contact J. K. Henshaw phone: 502-495-5106; e-mail: jkhenshaw@kyfb.com or Rick Alexander, phone: 859-233-7845; e-mail: Ralexander@commoditygrowers.com

Feb. 21. Grafting Fruit Trees. 10:00 a.m. CST. **Blueberry Production** 1:00 p.m. CST. Russell County Extension Office, Russell Springs. Contact: Raymond Thompson, 270-866-4477.

Feb. 22-25. Illinois Grape Growers and Vintners Association Annual Meeting, Hilton Hotel, downtown Springfield. Each day will focus on a particular aspect of the grape and wine industry: Thursday will be marketing; Friday, enology; Saturday, viticulture; and Sunday will be reserved for the IGGVA business meeting. Details, as they become available, will be posted on the IGGVA website: <http://www.illinoiswine.com/index.html>

Feb. 23-24. Shakertown Home Tree Fruit Production, Shaker Village of Pleasant Hill, 3501 Lexington Road, Harrodsburg, KY 40330. Cost is \$75 which includes the program Friday night from 7-9 p.m., the program Saturday from 9 a.m. to 4 p.m., Saturday breakfast and lunch and materials. Call 1-800-734-5611 Ext. 1547 to register for the program and to make room or additional meal reservations.

Feb. 26. Laurel County Fruit Tree Pruning and Grafting Workshops, Laurel County Extension Office, London. Contact Glenn Williams or Bonnie Sigmon 606-864-4167.

Feb. 27. Vegetable Production with Emphasis on New Cultivars and Weed Control, Flemingsburg. Contact Jeff Smith 606-845-4641.

Feb. 27-28. Small Fruit & Strawberry Schools, Mt. Vernon, IL. Contact Jeff Kindhart (jkindhar@uiuc.edu) or Bronwyn Aly (baly@uiuc.edu), 618-695-2444.

Mar. 1. Dormant Pruning of Grapevines Demonstration, UK Horticultural Research Farm, 4320

Emmerett Farm Lane, Lexington, KY 40514. 4:00 p.m. Contact Kaan Kurtural 859-351-8064.

Mar. 1. Fruit Tree Pruning and Grafting Workshops, Campton (Wolfe County) 2:00 and 6:00 p.m. Contact Daniel Wilson 606-668-3712.

Mar. 2. Northern Piedmont Specialty Crops School, Peterson County Cooperative Extension Center, 304 S. Morgan St., Roxboro, NC. Cost \$25.00. Contact: 919-603-1350.

Mar. 2-3. 2007 Kentucky Proud Farmers' Market Summit and GAP Program Workshop, Kenlake State Resort Park, Aurora, KY. Registration \$20 per day and includes all sessions, work stations lunch and continental breakfast. Must preregister by February 23. Contact Janet Eaton phone: 502-564-4983; e-mail: janet.eaton@ky.gov See program below.

Mar. 3. Dormant Pruning of Grapevines Demonstration, UKREC, Princeton, KY 42445. 1:00 p.m. CST. Contact Joe Masabni 270-365-7541 X 247 or Kaan Kurtural 859-351-8064.

Mar. 10. Dormant Pruning of Grapevines Demonstration, Eden Shale Farm, Rt. 4, Owenton, KY 40359. 1:00 p.m. EST Contact Shannon Rudd 502-484-5531 office; 859-509-2971 cell; e-mail: srudd@uky.edu or Kaan Kurtural 859-351-8064 cell.

Mar. 13. Multi-County Fruit Pruning Demonstration, Hazard. Contact Charles May 606-436-2044.

Mar. 16. Farmers' Market Program, Vanceburg. 6:00 p.m. Contact Philip Konopka 606-796-2732

Mar. 17. Training Systems for Commercial Wine Grapes, UK Horticultural Research Farm, 4320 Emmerett Farm Lane, Lexington, KY 40514. 4:00 p.m. EST. Contact Kaan Kurtural 859-351-8064.

Mar. 19. Home Fruit Production, Bell County Extension Office, Pineville. 1:00 p.m. Contact Stacy White 606-337-2376.

Mar. 22. Home Gardening, Farm and Home Night, Campton. 5:00-9:00 p.m. Contact Daniel Wilson 606-668-3712.

Mar. 24. Apple and Peach Pruning Demonstration, Carroll County, Carrollton. Contact Tim Hendrick 502-732-7030.

Mar. 30-31. 2007 Kentucky Proud Farmers' Market Summit and GAP Program Workshop, General Butler State Resort Park, Carrollton, KY. Registration \$20 per day and includes all sessions, work stations lunch and continental breakfast. Must preregister by March 23. Contact Janet Eaton phone: 502-564-4983; e-mail: janet.eaton@ky.gov See program below.

Apr. 5. Training Grapevines in The First and Second Leaf, UK Horticultural Research Farm, 4320 Emmerett Farm Lane, Lexington, KY 40514. 4:00 p.m. EST. Contact Kaan Kurtural 859-351-8064.

Apr. 12. Fruit Production for Small Land-owners. Fayette County Extension Office, Lexington. 7:00 p.m. Contact Jamie Dockery 859-257-5582.

Apr. 12. Calibration of Air-blast Sprayers, UK Horticultural Research Farm, 4320 Emmerett Farm Lane, Lexington, KY 40514. 4:00 p.m. EST. Contact Kaan Kurtural 859-257-1332.

Apr. 14. Calibration of Air-blast Sprayers, Eden Shale Farm, Rt. 4, Owenton, KY 40359. 1:00 p.m. EST. Contact Shannon Rudd 502-484-5531 office; 859-509-2971 cell; e-mail: srudd@uky.edu or Kaan Kurtural 859-351-8064 cell.

Apr. 16. Commercial Fruit Grower Meeting, Terry and Cindy Peake's Bramble Ridge Orchard, Mt. Sterling. Contact Ron Catchen 859-498-8741 or John Strang 859-257-5685.

Apr. 19. The Five Steps of Canopy Management, UK Horticultural Research Farm, 4320 Emmerett Farm Lane, Lexington, KY 40514. 4:00 p.m. EST. Contact Kaan Kurtural 859-351-8064.

Apr. 21. The Five Steps of Canopy Management, UKREC, Princeton, KY 42445. 1:00 p.m. CST. Contact Joe Masabni 270-365-7541 X 247 or Kaan Kurtural 859-351-8064 cell.

Apr. 28. The Five Steps of Canopy Management, Eden Shale Farm, Rt. 4, Owenton, KY 40359. 1:00 p.m. EST. Contact Shannon Rudd 502-484-5531 office; 859-509-2971 cell; e-mail: srudd@uky.edu or Kaan Kurtural 859-351-8064 cell.

Apr. 28. Kentucky Nut Growers Association Spring Meeting, Hardin County Extension Office, Elizabethtown. 9:00 a.m.-3:00 p.m. Contact Kirk Pomper 502-597-5942 or Amy Aldenderfer 270-765-4121.

Jun. 7. Commercial Fruit Grower Meeting, Kevan Evans's, Evans Orchard, Georgetown, Contact Mark Reese 502-863-0984 or John Strang 859-257-5685.

2007 Kentucky Proud Farmers' Market Summit and GAP Program Workshop

The summit and workshop at Kenlake are held back-to-back to allow participation in both with one trip. The material is repeated at General Butler a few weeks later. This offers you the opportunity to network with other farmer's market vendors and take advantage of the new Kentucky GAP program to reduce your risk of product contamination, increase your potential marketplaces, and increase insurability.

- Kenlake State Resort Park - March 2-3
- General Butler State Resort Park - March 30-31

Day One - Farmer's Market Summit

This day offers the following interactive workshops: (Registration begins at 8:30 am)

- New food safety rules
- Safety at the market
- Post harvest quality
- State of Kentucky farmers' markets
- Kentucky Farmers' Market Association
- Report from markets on new projects and events
- Locally funded benefits programs
- Building a permanent site
- Success stories - How I grew my farmers' market business

Day Two - GAP Program Workshop

This day will offer participants the opportunity to learn the basics of a risk reduction program called GAPP (Good Agricultural Practices Program) Though not required at this time, the insurance industry and some markets may require some assurance that you are following a GAP program on your farm in the near future.

Registration begins at 8:00 am.

Attendance for the full day is required to obtain the certificate of attendance.

Day will end at approximately 4:00 pm.

Each participant will receive a manual and all materials. Tools for a self-assessment profile and completion of a farm plan will be offered.

Plum Pox Virus Revisited

by John Hartman, UK Extension Plant Pathologist

The first U.S. finding of Plum Pox Virus (PPV) in Pennsylvania in 1999 was described and its implications for Kentucky were noted previously in Kentucky Pest News (# 870, January 24, 2000). This article provides an up- date on more recent PPV detections and research.

Plum Pox Virus disease has been a significant problem in Europe for many years. After the initial discovery of PPV in Adams County, Pennsylvania, the disease was subsequently found in Ontario, Canada in 2000. In both cases, plant regulatory officials from USDA- APHIS and Canadian and Pennsylvania regulatory agencies have diligently contained the disease and confined its presence to those two sites. However, in July, 2006, PPV was found in western New York, not far from the original Canadian site and in August 2006,

PPV appeared in southwestern Michigan. In both New York and in Michigan, early detection will likely lead to successful containment and perhaps eradication of the disease.

USDA and Pennsylvania State University plant virologists have recently reported results of host range studies for Plum Pox Virus using aphid vector and graft transmission approaches (Plant Disease, January 2007). These studies are helpful in determining which hosts might harbor PPV outside the orchard and which host plants might provide sources of resistance. There are several findings that might be interesting to Kentucky peach and plum growers.

◇ Domestic stone fruits (*Prunus*) grown in Kentucky orchards such as peach (*P. persica*), and plum (*P. domestica*), and sweet cherry (*P. avium*) were all susceptible to PPV both via aphid vector and grafting.

◇ Kentucky native plants such as American wild plum (*Prunus americana*), Chickasaw plum (*P. angustifolia*), black cherry (*P. serotina*), and chokecherry (*P. virginiana*) were all susceptible to PPV both via aphid vector and grafting.

◇ The native *Prunus* species such as black cherry produced mild and transient symptoms. For example, infected plants with mild chlorotic mottle foliar symptoms grew out normal healthy-appearing leaves after a time. These plants still produced mild, transient symptoms in subsequent seasons so the trees were systemically infected. This phenomenon could make the disease difficult to detect in native plants near an orchard.

◇ In the landscape, flowering *Prunus* species such as flowering cherry (*P. incam*), kwansan cherry (*P. serrulata*), cherry laurel (*P. laurocerasus*), and yoshino flowering cherry (*P. yedoensis*) are also susceptible to PPV via grafting or via aphid vector. Some of these plants also produced mild symptoms, and could make infected plant virus reservoirs difficult to detect in the field.

Plum Pox Virus is a destructive disease of stone fruit and could be a threat to peach, plum, and cherry production in Kentucky. Now that wild black cherry is a known host, it may be difficult to keep the disease from eventually coming to Kentucky because this species is common in forests and fence rows in the eastern U.S. Quarantines are useful for keeping diseased plants out of the state, but quarantines will not stop aphid vectors from migrating. Since the virus stays viable in the aphid's mouthparts for only about an hour, and since aphids might only move a few hundred yards at a time, movement of this disease to

Kentucky could be relatively slow. Hopefully, by then good peach and plum cultivars with resistance to PPV will be available.

The Kentucky Grapevine: Information Sources for Kentucky Grape Growers

This publication by Dr. Chris Nelson, Chrisman Mill Vineyard has been finally updated by Chris Smigell and Dr. Kaan Kurtural. It is available on the U.K. Department of Horticulture web site at: <http://www.uky.edu/Ag/Horticulture/comfruit.html> and can be found listed in the Grape section. This 30 page publication can be downloaded as an html or a pdf file.

Within this publication, contact and source information can be found for:

Basic Texts and Manuals for the Grape Grower
Grape Grower Newsletters
Grape and Wine Industry Journals
University of Kentucky Cooperative Extension Service Productions
Grapevine Nurseries
Vineyard Supply Sources
Vineyard and Orchard Agricultural Chemical Suppliers
University-Based Viticulture Programs
Various Viticulture and Winegrower Information Internet Web Sites
Organizations and Societies Important to Grape Growers
Viticultural and Enological Characteristics of Kentucky's Interspecific Wine Grape Varieties

Kentucky Department of Agriculture Rinse and Return and Farm Chemical Collection Programs

The KDA program for recycling pesticide containers has recently surpassed more than 1 million pounds of plastic chemical containers collected for recycling. This program has saved a substantial amount of landfill space.

The Farm Chemical Collection Program picks up unwanted, outdated or banned pesticides at no charge. For more information about the KDA's recycling and chemical collection programs, contact the Division of Environmental Services toll-free at 1-800-205-6543.

2007 Midwest Commercial Fruit Spray Guides and the 2006 Fruit and Vegetable Crops Research Report are Available

The 2007 Midwest Commercial Tree Fruit Spray Guide (ID-92), 2007 Midwest Commercial Small Fruit and Grape Spray Guide (ID-94) and 2006 Fruit and Vegetable Crops Research Report (PR-538) are now printed and should be available through your local county extension office over the next month. There is no charge for these publications.

These are not on our Horticulture Department web page as yet, but may be found in the future at: <http://www.uky.edu/Ag/Horticulture>. Click on Commercial Horticulture and then Fruits and Nuts.

Reregistration of Phosmet (Imidan®)

By James R. Cranney, Jr., U.S. Apple

On January 19, 2007, the U.S. Environmental Protection Agency (EPA) announced its decision to reregister phosmet (Imidan®). The decision marks the end of a five year review to address alleged farm worker risk on nine commodities including apples. As part of the decision, EPA has proposed to increase the apple re-entry interval and reduce the total seasonal per acre use. However, the new reentry intervals will not be effective until the 2009 growing season. Additionally, EPA has agreed to accept additional data from Gowan Company to further refine the farm worker risk assessment. This new data could remove EPA farm worker risk concerns, so the mitigation measures could be eliminated before they take effect in 2009.

USApple, legal counsel Ed Ruckert and the Northwest Horticultural Council's Mike Willet worked closely with Gowan Company and EPA to avoid unnecessary mitigation. We successfully eliminated a pick-your-own orchard phosmet prohibition and an enclosed cab requirement and delayed implementation of the mitigation measures. However, EPA insisted on increasing reentry intervals on a regional basis.

The following mitigation measures will take effect in 2009 as follows:

Apples East of the Rocky Mountains

- The Reentry Interval will increase from 3 days to 4 days
- Harvesting is prohibited for 7 days following an application of Imidan, which is equivalent to the current PHI.

- Dormant season applications are prohibited

All Regions

- Reduce the seasonal maximum from 21 lbs. of active ingredient to 15.5 lbs. of active ingredient per season
- Maintain buffer zones of 25 feet to an occupied building for ground applications and 50 feet to occupied building for aerial applications
- Require medium or coarser spray for aerial applications
- Pick-your-own harvesting is prohibited 14 days after an application

USApple will continue to monitor developments regarding phosmet and Gowan's progress in generating new data that may eventually remove the mitigation. Please contact me by telephone at (800) 781-4443 or via e-mail at jcranney@usapple.org if you have questions or need additional information.

Midwest Strawberry Production Guide Available

The Midwest Strawberry Production Guide (Bulletin 926), a new publication is available through Ohio State University. This 138-page bulletin contains the most comprehensive and regionally relevant information currently available. This book represents the pooled resources and expertise of specialists and experts representing 10 Midwestern states. The guide contains:

- In-depth information on current varieties and production practices.
- An entire chapter on plasticulture in the Midwest by Barclay Poling.
- Comprehensive Integrated Pest Management recommendations for control of insects, diseases, and weeds with full-color photos of the major diseases and insects.
- An entire chapter on the economics of strawberry production by Dick Funt.
- Information on conducting plant tissue nutrient analysis along with tables for determining results and fertilizer recommendations.

Copies of the Midwest Strawberry Production Guide can be purchased from Media Distribution, Communications and Technology, The Ohio State University, 216 Kottman Hall, 2021 Coffey Road, Columbus, OH 43210-1044. Phone: 614-292-1607. Fax: 614-292-1248. E-mail: pubs@ag.osu.edu. Visa and Master Card accepted. Price \$9.75.

Receiving Fruit Facts Electronically on the Internet

Fruit Facts is available on the web in the pdf format. To get notification of the monthly Fruit Facts posting automatically and approximately two weeks earlier than it would normally be received via mail, you can subscribe to the UK College of Agriculture's Majordomo list processor.

New subscription requests and requests to unsubscribe should be addressed as follows.

To subscribe type "majordomo194@ca.uky.edu" in the To: line of your e-mail message.


Please enter a subject in the Subject: line -- the system needs for the Subject line not to be empty (blank).

In the message body, enter the following two lines (nothing more!):

```
subscribe fruitfacts  
end
```

```
Or, to unsubscribe, the lines:  
unsubscribe fruitfacts  
end
```

You should receive confirmation by return e-mail. If you have a problem, or if you wish to communicate with a person about "fruitfacts", the owner's address (the To: line of the message) is: owner-fruitfacts@ca.uky.edu



John G. Strang,
Extension Fruit & Vegetable Specialist