

Kentucky Fruit Facts

Nov/Dec 2006 (11-12/2006)

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

by John Strang, Horticulturist

It has been a good fall marketing season for fruit and many growers are beginning to think about the 2007 season. Keep a careful watch for vole signs (trails in the grass and holes) in the orchard. Destroy fruit laying on the ground beneath trees and mow the grass and weeds to reduce rodent cover. Use bait stations baited with zinc phosphide where vole signs are noted and make sure that young trees are protected by rodent guards. Rabbit damage was noted on several young apple trees at our Horticultural Research Farm in Lexington before guards were applied.

It is still too early to begin pruning, particularly grape and bramble crops. If you must start pruning, begin with the oldest apple trees that are the most resistant to winter injury. Begin mulching matted row strawberries when the temperature gets down to about 20°F.

This will be the last Fruit Facts issue for 2006. Happy Holidays!

Upcoming Meetings

Nov. 30 Illinois/Iowa Fruit and Vegetable Conference. Scott Co Extension Office, Bettendorf, IA. Contact: Maurice Ogutu at 630-325-1274 for more information.

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Dec. 1-2 Appalachian Regional Horticulture Conference including an Organic Grower School. Southwest Virginia Higher Education Center, Abingdon, VA. This meeting will include information on new marketing opportunities, grading and packing, commercial vegetable, garlic and sweet sorghum production, risk management for direct marketers, and an organic growers school. Two day registration \$25. Contact Allen Straw phone: 276-944-2200; e-mail astraw@vt.edu

Dec. 5-7 Great Lakes Fruit, Vegetable and Farm Market Expo. Grand Rapids MI. For more information, consult the Expo Web site at <http://glexpo.com/index.php>

Dec. 6-7 Organic Production and Consumer Driven Marketing for the Farmer Entrepreneur. Interstate Ctr, Bloomington IL. Refer to meeting web site at <http://asap.aces.uiuc.edu/orgconf/>

Dec. 10-12 Tennessee Fruit and Vegetable Growers' Conference, Marriott Hotel, Nashville, TN. This years program is excellent and will feature a number of out of state speakers. Contact Dave Lockwood Phone: 865-974-7421, e-mail: dlockwood@utk.edu

Jan 4 Illiana (Illinois/Indiana) Commercial Vegetable Grower School. Teibel's Restaurant, Schererville IN Contact Maurice Ogutu 630-325-1274

Jan. 8-9 Kentucky Fruit and Vegetable Conference and Trade Show, Holiday Inn North, Lexington, KY. Contact John Strang 859-257-5685; e-mail: jstrang@uky.edu See the program and registration materials below.

Jan. 11-13 Illinois Specialty Crops and Agritourism Conference. Crowne Plaza Hotel, Springfield IL. For more information, including details on the Food Service Sanitation Manager Certification (FSSMC) Refresher Course, refer to the Illinois Specialty Growers web site at <http://specialtygrowers.org/releases/Pre-conference%20Flyer%202007.pdf>

Jan. 15-17 National Bramble Conference, Ohio Fruit and Vegetable Growers Congress, Ohio Direct Marketing Conference, and Mid American Human Resource Conference, Great Columbus Convention Center, Columbus, OH. Website: [http://www.ohiofruit.org/ofgs/ofgswebengine.nsf/\\$LookupPageID/CARE-52GKWJ/?OpenDocument](http://www.ohiofruit.org/ofgs/ofgswebengine.nsf/$LookupPageID/CARE-52GKWJ/?OpenDocument)

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. 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. 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. 2 Northern Piedmont Specialty Crops School, Peterson County Cooperative Extension Center, Roxboro, NC. Contact Carl Cantaluppi, 919-603-1350.

2006 Fruit Crop Summary

John Strang, Kaan Kurtural, Joe Masabni, Terry Jones, U.K. Extension Horticulturists; John Hartman, U.K. Extension Plant Pathologist; and Ric Bessin, U.K. Entomologist

The 2006 growing season in Kentucky provided mostly warmer than normal temperatures and below normal rainfall, however these observations varied by location. Average temperatures were warmer than normal statewide in January (+12°F) and April (+4). In eastern Kentucky, temperatures were also well above normal for the entire season whereas in central and western Kentucky, temperatures remained pretty much near normal. The coldest temperatures occurred on February 19, dropping to 5°F following temperatures in the 60's and 70's in January. Temperatures dropped to 28°F on April 9, well after fruit crops had broken dormancy and may have caused some injury. Rainfall in central and western Kentucky was near normal during most months, but was well below normal in eastern Kentucky with some areas reporting a shortfall of 10 inches of rain during the growing season. With wetness affecting disease development, the percentage of days with rain in central and western Kentucky averaged over 40-50% during April and May. September was one of the wettest and coolest on record. Thus, there were ample opportunities for rain-based plant disease development. Most growers reported very good crops. Early in the season harvest dates were slightly later than normal, but normal later in the season. Japanese beetle populations were up this year and they were a severe problem in western Kentucky.

Apples - Kentucky growers produced an apple crop that averaged 100% of normal. Fruit color was outstanding for fall varieties, size was excellent, however consistent rain reduced flavor. Cork spot and bitter pit incidence was about normal. Apple sales were generally good.

High levels of apple scab, cedar apple rust, and frog-eye leaf spot were observed. With warm spring temperatures, fire blight was observed frequently, and in some orchards, was pretty severe. Sooty blotch and flyspeck appeared as the season progressed. Powdery mildew was also seen.

Oriental fruit moth remain a serious problem in some central Kentucky orchards, particularly

where Imidan and Guthion are relied upon for codling moth control.

Pears - The European pear and Asian pear crops were 100% of normal. Pears were observed with fire blight and leaf spot. Stink bugs continue to be a problem in Asian pears.

Stone Fruit - The peach crop was 100% of normal. Size, color and the market were excellent. Peach leaf curl, brown rot, and scab were common. Plum black knot was widespread, probably the result of favorable conditions for infection the year before.

Pawpaws - Pawpaws produced a bumper crop and fruit size was good.

Persimmons - "Kaki sudden death" a disease of unknown etiology was killing oriental persimmons grafted to native persimmon rootstock.

Strawberries - The strawberry crop was about 80% of normal. Rain during harvest reduced yields and fruit quality. Mycosphaerella leaf spot was frequently observed. Bacterial angular leaf spot was also found.

Brambles - Raspberries, thorny and thornless blackberries all had full crops. A number of growers has significant amounts of sunburned fruit. Blackberry rosette appeared in most regions of the state. Raspberry and blackberry sterility were seen and are possibly related to virus infections. Raspberry crown borer was a problem in some blackberry plantings.

Grapes - The grape crop was 70% of that expected for many growers. New acreage continues to be planted. There are 532 acres of vineyards planted in the state with 113 growers, which is up from 282 acres and 72 growers in 2002. Most new plantings are made up of French-American and Norton grapes. Most notably, 'Chambourcin,' 'Traminette,' and 'Vignoles' acreage is expected to increase in the next two years.

The overcast and rainy weather coupled with poor mineral nutrition reduced berry set. The precipitation received in the second half of July and throughout the month of August adversely affected fruit composition values across the state.

Phomopsis infections in clusters were a problem as in the previous year. Black rot and anthracnose were widespread, especially in vineyards managed by inexperienced growers. Pestalotia stem canker and Isariopsis leaf spot were also observed. Foliage and cluster powdery mildew infections prevented the majority of vinifera vineyards from ripening a crop.

Japanese beetle feeding continues to be a problem. Grape root borer populations in vineyards above four years of age are on the increase. The foliar phase of phylloxera was serious and required control on some cultivars in some vineyards.

Deer, birds, raccoons, and wild turkeys were a serious problem. Netting of vineyards to mitigate bird damage was necessary for many smaller vineyards. In northern Kentucky 40% of the crop was lost to birds.

Blueberries - Blueberries produced a full crop this season. Bird problems were severe. Phytophthora and Pythium root rots were diagnosed on blueberries.

Watch for Pesticide License Renewal Form

The Kentucky Department of Agriculture Division of Environmental Services has mailed out license renewal forms. The form must be signed and returned to the office with appropriate fees. Non-commercial license holders, employees of government, golf courses, public utilities, and universities do not have to pay any fees, but the renewal must be returned. If you need to talk with someone regarding your renewal, please call 502-573-0282. or 866-289-0001.

2007 Kentucky Fruit and Vegetable Conference and Trade Show

JANUARY 8-9, 2007
Monday and Tuesday

Kentucky State Horticulture Society
151st Annual Meeting

Kentucky Vegetable Growers Association
36th Annual Meeting

The Kentucky Grape and Wine Short Course

*In cooperation with:
University of Kentucky
College of Agriculture
Kentucky State University
Kentucky Department of Agriculture*

Meeting Place:
Holiday Inn North
1950 Newtown Pike
Lexington, Kentucky 40511
(859) 233-0512
FAX (859) 259-0982

All Times Are Eastern Standard Time

SUNDAY, JANUARY 7

6:00 p.m. **PRECONFERENCE RECEPTION AND KENTUCKY FARMERS'
MARKET ASSOCIATION ANNUAL MEETING**

*Preakness Room
Janet Eaton, Presiding*

7:00-10:00 p.m. Exhibitor Set-up, Lobby

7:30 p.m. **PRECONFERENCE FRUIT ROUND TABLE DISCUSSION**

*Derby Room
John Strang, Presiding*

7:30 p.m. Pear Thinning, Labor, Guthion Phase Out and More - Grower Round Table Discussion
9:00 p.m. Adjourn

MONDAY, JANUARY 8

8:00 a.m. Exhibits Open, Lobby

8:00 a.m. Coffee, Lobby

8:30 a.m. Registration, Lobby in front of Preakness Room
Meeting registration plus one-year membership in either the Kentucky Vegetable Growers Association or Kentucky State Horticultural Society is \$20.00. Please see the registration form for Kentucky Vineyard Society registration.

(1) KSHS - KVGA JOINT SESSION

*8:50 a.m., Belmont and Man-O-War Rooms
Maurice Fegenbush, Presiding*

8:50 a.m. Welcome - *John Bell*

9:00 a.m. Horticulture Council Update - *Dewayne Ingram and John Strang*

9:15 a.m. Kentucky Department of Agriculture Produce Marketing Update - *Mac Stone*

9:30 a.m. Introduction to Market Maker for Direct Marketers - *Tim Woods*

10:00 a.m. Food Safety - *John Wargowski*

10:15 a.m. Labor Sources - *Rick Alexander*

10:30 a.m. Cider/Coffee Break and Visit Exhibits - Lobby

11:00 a.m. Progress in Molecular Diagnostics of Plant Diseases - *Paul Vincelli*

11:25 a.m. Kentucky County Weather Forecasts & Predicting Frost - *Tom Priddy*

11:45 a.m. Marketing Produce to U.K. and The Slow Foods Movement - *Bob Perry*

12:00 noon **EXHIBITORS AND GROWERS LUNCHEON** - Holidome

12:00 noon. **KVGA AND KSHS BOARD MEETINGS**

Kentucky State Horticultural Society - Holidome

Kentucky Vegetable Growers Association - Holidome

2 CONCURRENT SESSIONS

Concurrent sessions will enable participants to attend topics of interest in different sessions.

MONDAY AFTERNOON, JANUARY 8

(2) FARMERS' MARKETS

1:30 p.m., Belmont & Man-O-War Rooms
Janet Eaton, Presiding

- 1:30 p.m. New Trends in Farmers' Markets
- Cynthia Brown
- 2:00 p.m. Bringing New Customers to Your Market
- Cynthia Brown
- 2:30-3:10 p.m. Cider/Coffee Break and Visit Exhibits
- Lobby
- 3:10 p.m. Ten Top Money Making Crops for
Farmers' Markets
- Jim Mansfield
- 3:40 p.m. Maintaining Fruit and Vegetable Quality
at the Market
- John Strang
- 4:10 p.m. Farmers' Market Rules and Regulations
Update and Maximizing Straw Bale Value
- Janet Eaton, Bonnie Sigmon and
Philip Hays

(3) WINEMAKING

1:30 p.m., Preakness Room
Brandon O'Daniel, Presiding

- 1:30 p.m. Bottling Stable Wine
- Tom Cottrell
- 2:00 p.m. Marketing Wine for Small Wineries
- Jeanette Merritt
- 2:30-3:10 p.m. Cider/Coffee Break and Visit Exhibits
- Lobby
- 3:10 p.m. SO₂ Use and Safety
- Tom Cottrell
- 3:40 p.m. Phenolics and Ripening in Grape Berries
- Kaan Kurtural and Doug Archbold

MONDAY EVENING, JANUARY 8

5:15 p.m. **Exhibits Close**

5:15 p.m. **CELEBRATION OF KENTUCKY WINES**

Featuring Commercial Kentucky Products
- Preakness Room

Sponsored by the KVS, (Acres of Land Winery, Ashwood Cellars, CCC Trail Vineyard, Cedar Creek Vineyards, Elk Creek Vineyards, Long Lick Farm Winery, Horseshoe Bend Vineyards, Sinking Valley Vineyard & Winery, Stone Brook Winery, Talon Winery, Wight-Myer Vineyard & Winery and Wildside Vines. The cost is \$5.00 for the tasting.)

6:15 p.m. **BANQUET**, Derby Room

Tickets: \$26.00 in advance including tax and tip.
(The banquet helps to defray the cost of the meeting rooms.)

Speaker: Rufus Fugate - Edible Wild Plants.

**This program was funded in part by the Kentucky Humanities Council and the National Endowment for the Humanities.

4 Concurrent Sessions

Concurrent sessions will enable participants to attend topics of interest in different sessions.

TUESDAY MORNING, JANUARY 9

8:00 a.m. Exhibits Open, Lobby
8:00 a.m. Registration, Lobby in front of Preakness Room

(4) GRAPE & WINE SHORT COURSE

8:55 a.m., Preakness Room
Chuck Smith, Presiding

8:55 a.m. Greetings
- Chuck Smith

9:00 a.m. Leasing Vineyard and Winery Equipment
- Steve Chapman

9:30 a.m. Macroclimate Criteria for Viticulture in Kentucky
- Kaan Kurtural

10:00-10:40 Cider/Coffee Break and Visit Exhibits
- Lobby

10:40 a.m. Cultivar Trial Update
- Kaan Kurtural

11:10 a.m. Feeding Interaction Between Green June Beetle and Japanese Beetle
- Derrick Hammons

11:40 a.m. LUNCH ON YOUR OWN

(5) VEGETABLE PRODUCTION

8:30 a.m., Belmont Room
Kim Cowherd, Presiding

8:30 a.m. Success with Bell Peppers and Cucumbers in Greenhouse Production
- Jim Wills

9:00 a.m. Herbicide Update and Rotation + KVGA Annual Business Meeting
- Joe Masabni

9:30 a.m. Grower Vegetable Demonstration Plot Results
- Nathan Howard, Nathan Howell, Bonnie Sigmon, and Dave Spalding

10:00-10:40 Cider/Coffee Break and Visit Exhibits
- Lobby

10:40 a.m. Squash, Watermelon, Pumpkin and Cucumber Disease Control
- Kenny Seebold

11:10 a.m. Post Harvest Handling for Small Vegetable Producers
- Greg McCollum

11:40 a.m. LUNCH ON YOUR OWN

(8) GRAPE AND WINE SHORT COURSE

1:30 p.m., Preakness Room
Sanjun Gu, Presiding

1:30 p.m. Canopy Management of Traminette and Vidal Blanc in Kentucky
- Brandon O'Daniel

2:00 p.m. 2006 Grape Price Survey and Marketing Assistance and Opportunities for Kentucky Grapes and Wine
- Jim Mansfield and Sara Williamson

2:30-3:10 p.m. Cider/Coffee Break - Lobby

3:10 p.m. Herbicide Drift Injury to Grapes
- Joe Masabni

3:40 p.m. Frost Protection Measures in Kentucky
- Sanjun Gu

5:10 p.m. UK Grape Training System Studies
- Chris Smigell

5:40 p.m. Grape Diseases Down Under
- Julie Beale

6:10 p.m. KVS and Kentucky Grape and Wine Council Update
- Chuck Smith and Mac Stone

(9) VEGETABLE PRODUCTION

1:30 p.m., Belmont Room
Gerald Atkinson, Presiding

1:30 p.m. Horseradish Production
- Elizabeth Wahle

2:00 p.m. Vegetable Cultivar Trials Results (Staked Tomatoes, Pumpkins, Specialty Melons, Winter Squash)
- Amanda Sears, Katie Bale, and John Strang

2:30-3:10 p.m. Cider/Coffee Break - Lobby

3:10 p.m. Worker Protection Standards
- John Wargowski

3:40 p.m. Sweet Potato Production
- Terry Jones

4 Concurrent Sessions

Concurrent sessions will enable participants to attend topics of interest in different sessions.

(6) TREE FRUIT

8:30 a.m.

*Man-O-War, Secretariat and Thoroughbred Rooms
Adam Watson, Presiding*

(7) ORGANIC FARMING AND GARDENING

8:30 a.m., Derby Room

Jake Schmitz, Presiding

8:30 a.m.	Fruit Tree Grafting and Budding - <i>John Strang</i>	8:30 a.m.	Compost Tea - <i>Michael Bomford</i>
9:00 a.m.	Controlling Wildlife Damage in Tree Fruit Crops - <i>Dave Lockwood</i>	9:00 a.m.	U. K. College of Agriculture CSA and Sustainable Agriculture Program - <i>Mark Williams</i>
9:30 a.m.	Midwest Apple Improvement Association Update - <i>Elizabeth Wahle</i>	9:30 a.m.	Regulatory Requirements and Options in Handling Organic Produce - <i>Greg McCollum</i>
10:00-10:40	Cider/Coffee Break and Visit Exhibits - Lobby	10:00-10:40	Cider/Coffee Break and Visit Exhibits - Lobby
10:40 a.m.	Understanding and Managing Physiological Disorders in Honeycrisp Apples - <i>Mosbah Kushad</i>	10:40 a.m.	Evaluating the Sustainability of Four Organic Production Systems - <i>Delia Scott</i>
11:10 a.m.	KSHS Annual Business Meeting	11:10 a.m.	Sustainable Control of European Corn Borer in Bell Peppers - <i>Katie Russell</i>
11:40 a.m.	LUNCH ON YOUR OWN	11:40 a.m.	LUNCH ON YOUR OWN

(10) TREE FRUIT PRODUCTION

1:30 p.m.

*Man-O-War, Secretariat and Thoroughbred Rooms
Jamie Dockery, Presiding*

(11) SMALL FRUIT PRODUCTION

1:30 p.m., Derby Room

Laurilee George, Presiding

1:30 p.m.	Peach and Plum Diseases - <i>John Hartman</i>	1:30 p.m.	Controlling Wildlife Damage in Small Fruit Crops - <i>Dave Lockwood</i>
2:00 p.m.	Choosing the Right Training and Pruning Systems for High Density Apple Orchards - <i>Mosbah Kushad</i>	2:00 p.m.	A Summary of 6 years of Blueberry Research Trials in Tennessee - <i>Jim Wills</i>
2:30-3:10	Cider/Coffee Break - Lobby	2:30-3:10 p.m.	Cider/Coffee Break - Lobby
3:10 p.m.	IR-4 Fills in Management Gaps - <i>Ric Bessin</i>	3:10 p.m.	Tools for Choosing Your Pesticides - <i>Elizabeth Wahle</i>
3:40 p.m.	Tree Fruit Spray Guide Update - <i>John Hartman, Ric Bessin, and Joe Masabni</i>	3:40 p.m.	Matted Row Strawberry Production and Variety Trial Results - <i>John Strang</i>
4:10 p.m.	Peach Variety Evaluation and Roundup Injury Study - <i>Joe Masabni</i>		

KENTUCKY FRUIT AND VEGETABLE MEETING

Lexington, KY

Holiday Inn North

January 8-9, 2007

Mark one: _____ ADVANCE REGISTRATION _____ I am not able to attend--please continue my membership(s) as listed below.

NAME(S) for name tag (Please print) _____

ADDRESS _____

CITY, STATE _____ ZIP _____

PHONE: () _____ OCCUPATION/FIRM _____

FAX: () _____ E-Mail: _____

⇒ ⇒ ⇒ **PLEASE LIST NAME(S) OF ADDITIONAL REGISTRANTS:** _____

<input type="checkbox"/> I would like to be considered for nomination or recommend _____ for the <input type="checkbox"/> KSHS or <input type="checkbox"/> KVGA Board of Directors.
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Registration is complimentary for County Extension Agents, University Students, Children under 15 years of age accompanying an adult.

♣ **Registration allows entrance into any other conference meeting session. \$20 PER PERSON**

One year membership in **Kentucky State Horticultural Society** and meeting registration.

_____ Number attending x \$20 each = TOTAL \$ _____

One year membership in **Kentucky Vegetable Growers Association** and meeting registration.

_____ Number attending x \$20 each = TOTAL \$ _____

Registration for the **Grape & Wine Short Course**, Jan. 9, \$20/person

_____ Number attending x \$20 each = TOTAL \$ _____

KVS Membership Fee, plus quarterly e-mail newsletter, \$25 each family (\$35 paper newsletter) TOTAL \$ _____

Register for the **Celebration of Kentucky Wines, Jan. 8, 5:15-6:15 PM**

_____ Number attending x \$5 each = TOTAL \$ _____

****Meal tickets are available only through advance registration.**

EXHIBITOR/GROWER LUNCHEON -- January 8, 2007 / 12:00 Noon EST

MENU: Bluegrass Buffet; salads, barbecued chicken, catfish, hushpuppies, mashed potatoes, green beans, derby pie and beverage**

_____ Number attending x \$20 each = TOTAL \$ _____

BANQUET - January 8, 2007 -- 6:15 p.m. EST

MENU: Grilled beef medallions, vegetables, garden fresh salad, rolls and butter, dessert and a beverage**

**Meal prices include meal, tax and tips

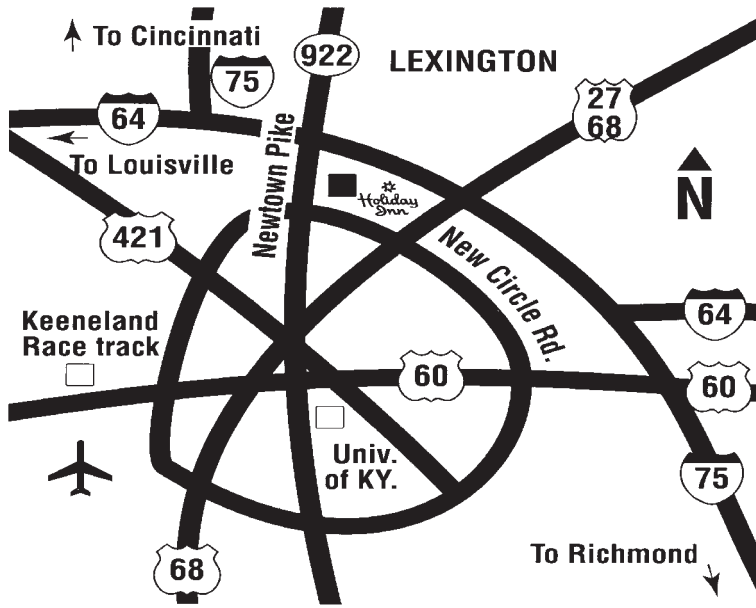
_____ Number attending x \$26 each = TOTAL \$ _____

★ ★ Please make CHECKS payable to: **KENTUCKY HORTICULTURE MEETING**

CHECK # _____ CHECK AMOUNT \$ _____ CASH AMOUNT \$ _____ TOTAL PAID \$ _____

**Mail advance registration to: Mary Ann Kelley, Research & Education Center,
PO Box 469, Princeton, KY 42445-0469

ADVANCE REGISTRATION MUST BE RECEIVED BY WEDNESDAY, DECEMBER 20, 2006 Dr. John Strang, Coordinator



John Strang

John G. Strang,
Extension Fruit & Vegetable Specialist

Cooperative Extension Service
University of Kentucky
Horticulture Department
N-318 Ag. Science Ctr. No.
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