

UNIVERSITY OF KENTUCKY  
COLLEGE OF AGRICULTURE

Lexington, Kentucky 40546



COOPERATIVE EXTENSION SERVICE



# Kentucky Fruit Facts

Research & Education Center

P.O. Box 469, Princeton, KY 42445

November 1998 (10-98)

Prepared by John Strang, and Jerry Brown, Extension Horticulturists; Ric Bessin, Extension Entomologist; John Hartman, Extension Plant Pathologist; Tom Howard, Program Specialist, State FSA office; John Strang, Editor, Marilyn Hooks and Elizabeth Griffin, Secretaries

<http://www.uky.edu/Agriculture/HLA/> follow the link to Extension programs & Publications and click on Fruit Facts

## Meetings

**Jan. 4-5 - KVGA/KSHS Annual Meeting**, Holiday Inn North, 1950 Newtown Pike, Lexington, KY. (See program and registration materials below.)

**Jan 12-13 - Kentucky Landscape Industries Winter Educational Conference and Trade Show.** The Lexington Center, Lexington, KY. Contact Debbie Cain, KNLA Exec. Dir. 502/899-3622.

**Jan. 15-17 - 8<sup>th</sup> Annual Southern Sustainable Agriculture Working Group (SSAWG) Conference and Trade Show**, Clarion Resort Buccaneer Hotel, Jekyll Island, GA. This conference will feature 36 workshops on all aspects of sustainable agriculture. Registration before Dec. 21 is \$65 and after Dec. 21 is \$75. Contact Jean Mills, Conference Coordinator, phone 205/333-8504 or e-mail [jeanmills@aol.com](mailto:jeanmills@aol.com)

**Jan 18-20 Michigan State University Fruit School** (High Density Apple Establishment and Management) Contact Ron Perry 517/353-6789. Kentuckians interested in car pooling, contact Billy Reid 502/685-2444.

**Jan 20-22 North American Farmers Direct Marketing Conference.** The Grand Center, Grand Rapids, MI. Pre registration \$85 (before Dec. 14<sup>th</sup>). Contact Bob Tritten 810/234-4126.

## 1998 Fruit and Nut Crop Estimates

In General, most fruit crops did well. Frost this spring reduced stone fruit crops in some areas and several growers experienced hail storms. The extremely wet spring increased disease pressure on many crops and substantially reduced customers and yields at pick-your-own strawberry operations. The late summer and fall was very dry, which substantially increased fruit drop and reduced apple color and flavor.

Fire blight was minimal, however cedar-apple rust and scab were severe on unsprayed apple trees. White rot was particularly severe on apples even on well sprayed trees. Peach leaf curl on unsprayed trees and scab and brown rot were problems on peaches. Some of these will carry over and affect next years crop. Botrytis and black rot were severe on strawberries and grapes respectively.

Plum curculio and codling moth were more of a problem this season than normal. Potato leafhopper has been a relatively severe problem the last two seasons, particularly on young apple trees. European red mite levels were light to moderate, due to new control strategies. Japanese beetle populations continue to decline across the state and Japanese beetles have finally reached the Mississippi River. San Jose scale populations are gradually increasing in Kentucky orchards and should be carefully monitored in the future. Insect pressure was particularly low for peaches, strawberries, brambles, and grapes. Peaches and apples sold well.

The wet spring weather significantly reduced pollination of wind pollinated nut crops over most of the state and in combination with spring frosts reduced nut

Educational programs of the Kentucky Cooperative Extension Service serve all people regardless of race, color, age, sex, religion, disability, or national origin.

UNIVERSITY OF KENTUCKY, KENTUCKY STATE UNIVERSITY, U.S. DEPARTMENT OF AGRICULTURE, AND KENTUCKY COUNTIES, COOPERATING

yields for many growers.

The following are this season's estimates as a percentage of a normal full crop for the state.

Tree fruit	Percent of full crop	Range (%)
Apples	95	
Peaches	90	20-100
Pears, European	95	
Asian	10	
Plums, Japanese	0	
European	10	
Cherry, tart	90	
<b>Small Fruit</b>		
Strawberries	70	
Grapes	95	
Blackberries, thorny	100	
thornless	100	
Raspberries, spring	100	
fall	100	
Blueberries	80	20-100
<b>Nuts</b>		
Chestnuts	90	
Heartnuts	70	
Hickory, Shagbark	20	0-20
Shellbark	20	0-20
Pecans	40	0-40
Walnuts, Black	30	0-100
English	10	0-10

(Brown, Strang, Hartman, Bessin)

### **Noninsured Crop Disaster Assistance Program (NAP)**

Recently, the Administrator for the Farm Service Agency approved a NAP Area which included 24 counties. The Area was approved as the results of freezing temperatures during February and March of **1996**. The approved crops are peaches and strawberries. The eligible counties are: Breckinridge, Butler, Carlisle, Christian, Daviess, Graves, Green, Hancock, Hardin, Hickman, Hopkins, LaRue, Lyon, Marshall, McCracken, McLean, Meade, Metcalfe, Muhlenberg, Pulaski, Russell, Todd, Warren, and Webster. **Not every county is eligible for both crops approved!** Producers should check with their local county FSA Office for details.

A NAP Area has been proposed for recommendation to the National Office to cover crop damages from a late freeze during March and April of **1997**. That Area will include some 15 counties that have sustained crop damages. The proposed Area will include counties from Butler over to Bell/Harlan; up to Fayette, over to Greenup, and back to Boone. That proposed area designation will be in the National Office by November 6. More about this in the next "**Fruit Facts.**"

The NAP was initially authorized by Congress in the **Federal Crop Insurance Reform and Department of Agriculture Reorganization Act of 1994**. This act was amended by the **Federal Agriculture Improvement**

**and Reform Act of 1996**, the Farm Bill. This amendment put the administration of NAP solely under the jurisdiction of the Farm Service Agency and away from the Federal Crop Insurance Corporation (FCIC).

NAP is intended to provide eligible producers of eligible crops with protection comparable to the catastrophic risk protection plan of crop insurance. Primarily, NAP provides protection for those crops that are not covered under the Multi Peril Crop Insurance Program (MPCI). Eligible crops are commercial crops grown for food and fiber, including floriculture, ornamental nursery, Christmas trees, turfgrass sod, seed crops, aquaculture, and industrial crops.

NAP is designed to be "AREA driven" which **must** include at least 5 producers of crops on separate and distinct farms. The "Expected Area Yield" must have sustained less than 65 percent of normal. Individual yields must have sustained less than 50 percent of their approved yield. Producers must report their crop to the local county FSA office by July 15. They should also report their actual production in order for the county office to establish a data base for yield purposes. Without actual yields, producers will be given transitional yields.

A minimum of four years is required to establish a yield base.

Please stop by your local FSA county office. They will be happy to assist you. Or, you may give the State FSA Office a call. This contact is Tom Howard whose phone number is 606/224-7685. (Howard)

### **New Tomato Production Video Available**

A new video, Tomato Production and Marketing, VHO-1265 has just been released from the UK College of Agriculture. It is about 20 minutes in length and was developed by Brent Rowell and Terry Jones in the UK Horticulture Department. It covers many aspects of plasticulture tomato production. It is available to borrow free of charge through all local Kentucky County Extension Offices. (Strang)

## **Receiving Fruit Facts Electronically on the Internet**

Fruit Facts is now 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 Almanac Server.

To subscribe, send an e-mail message to "almanac@ca.uky.edu".

Be sure that your from: address is correct. The body of the message must contain the line, "unsubscribe fruitfacts" with a blank line after it, nothing more.

To unsubscribe, send an e-mail message to "almanac@ca.uky.edu." The body of the message should say "unsubscribe fruitfacts" with a blank line after it, nothing more.

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John Strang, Coordinator

## **1999 Winter Meeting Program, January 4 & 5**

**143RD ANNUAL MEETING OF THE KENTUCKY STATE HORTICULTURAL SOCIETY AND THE 28TH ANNUAL MEETING OF THE KENTUCKY VEGETABLE GROWERS ASSOCIATION AND THE KENTUCKY GRAPE AND WINE SHORT COURSE**

**MONDAY AND TUESDAY, JANUARY 4-5, 1999**

Holiday Inn North, 1950 Newtown Pike,  
Lexington, Kentucky 40511  
(606) 233-0512; FAX (606) 252-0987

Highlights of this year's meeting will be sessions on Commercial Fruit and Vegetable Production, Tree Fruit IPM, Direct and Wholesale Marketing, Specialty Flowers for Direct Markets, Migrant Labor, Deer Control for Fruits and Vegetables, Organic Farming and Gardening and a Grape and Wine Short Course.

Since it is often difficult to catch some of the individuals that you would like to talk with, we have scheduled an area and time in the exhibit area to meet with the experts. We also again have a "Trading Post" bulletin board for used equipment. If you have used equipment that you would like to sell, bring along a description containing your name, phone number and the price of your equipment.

Special out-of-state speakers include: Randy Gardner, Vegetable Breeder, Mountain Horticultural Crops Research Education Center, Fletcher, NC; Frank Hall, Entomologist, Ohio Agricultural Research & Development Center, Wooster, OH; Bruce Bordelon, Extension Viticulturist, Purdue University, Lafayette, IN; Gregory Braun, Regional Director, USDA Agricultural Marketing Service Fruit and Vegetable Division, PACA Branch, Glen Ellyn, IL, and Craig Anderson from Michigan Agricultural Cooperative Marketing Association, Inc., who will be conducting a Migrant Labor Workshop.

We will have both a luncheon and a banquet this year and Dr. Oran Little will be our banquet speaker. The KVS will have an optional wine tasting featuring Kentucky wines prior to the banquet.

PLEASE make your room reservations directly with the motel. Our block of rooms will be held until December 27, 1998. **Be sure to let the motel know that you will be staying for the Fruit and Vegetable Conference and Trade Show to obtain our special room rate. We must have a set number of sleeping rooms occupied by growers to avoid paying meeting room charges.** The Holiday Inn also has a heated indoor pool.

The \$25 membership in the KVGA or KSHS includes a year membership in either society, registration fees for this meeting and entrance into the Grape & Wine Short Course. Membership in the KVGA also allows growers to use pesticides that have received 24c registrations for Kentucky. Please see the registration form to register for Vineyard Society, Kentucky Organic Grower and Master Gardener activities.

The enclosed registration form enables you to register in advance so your tickets and name tags will be ready for you when you arrive at the meeting. **NOTE: WE STRONGLY URGE YOU TO PRE-REGISTER, BANQUET AND LUNCHEON TICKETS CAN ONLY BE PURCHASED BY ADVANCE REGISTRATION. NAME BADGES WILL BE REQUIRED TO ENTER MEETING ROOMS THIS YEAR. PRE-REGISTRATION FORMS NEED TO BE IN OUR HANDS BY DECEMBER 14, 1998.** If you would like to serve on the KVGA or KSHS boards of directors or would like to nominate another member, please designate this on your registration sheet.

If circumstances are such that you cannot attend the meeting, please complete and return the form to Ms. Mary Ann Kelley, Research & Education Center, P.O. Box 469, Princeton, KY 42445 to continue your membership.  
(Alan Taylor, President KVGA and Don Haney, President KSHS)

## **Agenda**

(All Times Are Eastern Standard Time)

### **SUNDAY, JANUARY 3**

7:00-9:00 p.m. Exhibitor Set-up, Lobby

### **MONDAY, JANUARY 4**

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 Kentucky Vegetable

Growers Association or Kentucky State Horticultural Society is \$25.00. Please see the registration form for Kentucky Vineyard Society, Organic Farming and Gardening Association and Master Gardener registration.

### (1) KSHS - KVGA JOINT SESSION

9:00 a.m., Belmont and Preakness Rooms  
Alan Taylor, Presiding

9:00 a.m. Welcome - Don Haney  
9:10 a.m. Eastern Produce Markets - Winston Dunwell  
10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby  
10:30 a.m. The Potential for Disease Resistant Varieties in Commercial Tomato Production - Randy Gardner  
11:15 a.m. Pest Control for the Year 2010 - Frank Hall  
12:00 noon EXHIBITORS AND GROWERS LUNCHEON - Derby Room (Assorted pizzas, marinated salad, bread sticks and beverage) - Comments - Dewayne Ingram

### MONDAY AFTERNOON

#### 4 CONCURRENT SESSIONS

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

### (2) COMMERCIAL TREE FRUIT PRODUCTION

1:30 p.m., Belmont Room  
Bret Scott, Presiding

1:30 p.m. Troubleshooting Orchard Pesticide Applications - Frank Hall  
2:00 p.m. Apple Production and Marketing at the Apple Tree - Terry Creech  
2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby  
3:10 p.m. Growing New Apple Cultivars and Their Unique Properties - Ed Fackler  
3:40 p.m. Goodnature Micro Flash Pasteurizer for Apple Cider - Company representative and Joe Garrett

### (3) SMALL FRUIT AND PAWPAW PRODUCTION

1:30 p.m., Claiborne Room  
Beth Galloway, Presiding

1:30 p.m. Strawberry Cultivar Trial Results Using the Matted Row System and Plasticulture - Doug Archbold  
2:00 p.m. Blackberry Production - Jerry Brown  
2:30 p.m. Cider/Coffee Break & Visit Exhibits - Lobby  
3:10 p.m. Small Fruit Production and Marketing in Northern Kentucky - Clarence Neltner  
3:40 p.m. Pawpaw Production and Fruit Variety

Evaluation Results - Kirk Pomper

### (4) VEGETABLE PRODUCTION

1:30 p.m., Preakness Room  
Amy Fulcher, Presiding

1:30 p.m. Tomato Variety Update - Randy Gardner  
2:00 p.m. Producing Vegetable Transplants Using Capillary Mats - Jack Buxton  
2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby  
3:10 p.m. 1998 Tomato, Cabbage, Orange and Purple Bell Pepper, Sugar Enhanced Corn, and Fall Broccoli Variety Trial Results - Brent Rowell, Terry Jones, and John Strang  
3:40 p.m. Is Resistance Resistance? and A New Vegetable Fungicide - Quadris - Bill Nesmith

### (5) ORGANIC FARMING AND GARDENING

1:30 p.m., Thoroughbred Room  
Nancy Hobbs, Presiding

1:30 p.m. Managing Crop Rotation and Cover Crops for Organic Production - Mac Stone  
2:00 p.m. How to Produce A Quality Mesclun Mix in Kentucky - Carrol Cassady  
2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby  
3:10 p.m. Insect Control with Organic Pesticides, What Works on Which Insects - Ric Bessin  
3:40 p.m. Beneficial Insects - Lee Townsend  
4:10 p.m. The Kentucky Organic Certification Program - Hope Crain

### MONDAY EVENING, JANUARY 4

5:15 p.m. Exhibits Close  
5:15 p.m. Wine Tasting Featuring Commercial Kentucky Wines - Man-O-War and Secretariat Rooms Sponsored by the (SpringHill Vineyards and Winery, and Barker's Blackberry Hill Winery. The cost is \$5.00 for the tasting)  
6:15 p.m. BANQUET, Derby Room  
Tickets: \$19.00 in advance including tax and tip. (The banquet helps to defray the cost of the meeting rooms.)

Speakers: Dr. Oran Little, Dean, U. K. College of Agriculture and Jean-Jacques Dufour portrayed by Ben O'Daniel.

Menu: roast top sirloin of beef served in its natural juices, scalloped potatoes, green beans, garden fresh salad, rolls and butter, dessert and a beverage.

- 8:30 p.m. **BOARD MEETINGS**  
 KY State Horticultural Society - Preakness Room  
 KY Vegetable Growers Association - Claiborne Room  
 KY Vineyard Society - Henry Clay Room

## TUESDAY MORNING, JANUARY 5

- 8:00 a.m. Exhibits Open, Lobby  
 8:30 a.m. KSHS Annual Business Meeting, Preakness Room  
 KVGA Annual Business Meeting, Derby Room  
 8:30 a.m. Registration - Lobby in front of Preakness Room

### (6) TREE FRUIT IPM WORKSHOP

- 9:00 a.m., Henry Clay Room  
 John Sparks, Presiding  
 9:00 a.m. Soil Test and Foliar Analysis Results from Kentucky Grower Orchards - Chris Smigell  
 9:30 a.m. Kentucky IPM for the Future (Round Table Discussion) - Jerry Brown and Ric Bessin  
 10:00 a.m. Cider/Coffee Break & Visit Exhibits -Lobby  
 10:40 a.m. The Future of Pesticides - Richard Pont, John Hartman and Ric Bessin  
 11:10 a.m. LUNCH ON YOUR OWN

### (7) MIGRANT LABOR WORKSHOP

- 9:00 a.m., Derby Room  
 Glen Roberts, Presiding  
 9:00 a.m. What's Going On?! - Recruitment and Hiring Options, Compliance, Growers' Rights, Responsibilities, and the INS - Craig Anderson  
 10:00 a.m. Cider/Coffee Break & Visit Exhibits - Lobby  
 10:40 a.m. Planning Ahead - What to Expect in 1999 and Beyond - Craig Anderson  
 11:10 a.m. Experiences in Using Migrant Labor in Kentucky - Grower Panel Discussion  
 11:40 a.m. LUNCH ON YOUR OWN

### (8) MASTER GARDENER SESSION

- 9:00 a.m., Belmont Room  
 Sharon Bale, Presiding  
 9:00 a.m. Master Gardener Extension Agents Meeting - Sharon Bale  
 9:30 a.m. Lets Talk Dirty or Just What is Good Garden Soil - Amy Aldenderfer  
 10:00 a.m. Cider/Coffee Break & Visit Exhibits - Lobby  
 10:40 a.m. "Lets Do Lunch," The Edible Landscape - Donna Michael, Candace Harker, and John Strang  
 11:10 a.m. Understanding Vegetable Diseases - Annette Meyer  
 11:40 a.m. LUNCH ON YOUR OWN

### (9) DIRECT MARKETING

- 9:00 a.m., Preakness Room  
 Betty King, Presiding

- 9:00 a.m. Packaging and Merchandising Small Quantities, What's in Vogue Now and What is in the Future - Peter Morris, Putnam Plastics and Mike Nieport, Rockford Packaging  
 9:30 a.m. Roadside Markets and Harvest Festivals - J. K. Henshaw and Sue Weant  
 10:00 a.m. Cider/Coffee Break & Visit Exhibits - Lobby  
 10:40 a.m. Farm Market Layout - Tim Woods  
 11:10 a.m. Corn Mazes - Billy Reid, and Bill Jackson  
 11:40 a.m. LUNCH ON YOUR OWN

### (10) GRAPE & WINE SHORT COURSE

- 8:30 a.m., Man-O-War, Secretariat and Thoroughbred Rooms  
 Shad Baker, Presiding  
 8:30 a.m. Registration, Lobby in front of Preakness Room - Visit Exhibits - Lobby  
 9:00 a.m. Greetings - Chris Nelson  
 9:15 a.m. The Kentucky Grape Program - Garth Vinson  
 10:00 a.m. Cider/Coffee Break & Visit Exhibits - Lobby  
 10:15 a.m. The Kentucky Grape Program (Cont'd)  
 11:00 a.m. Grants for Planting Grapes - Gerald Dotson  
 11:30 a.m. Grape Marketing Experiences - Eddie O'Daniel  
 12:00 Noon LUNCH ON YOUR OWN & Visit Exhibits

## TUESDAY AFTERNOON

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

### (11) GRAPE & WINE SHORT COURSE FOR NEW GROWERS

- 1:30 p.m., Secretariat, Thoroughbred and Man-O-War Rooms  
 Tim Hendrick, Presiding  
 1:30 p.m. Getting Started Through the Fourth Year - Economics, Site Preparation, Variety Selection, Planting, and Trellising - Bruce Bordelon  
 2:15 p.m. Cider/Coffee Break - Lobby  
 2:30 p.m. Getting Started...(Cont'd)  
 3:40 p.m. A Practical Spray Schedule for Grapes - John Hartman and Ric Bessin

**(12) SPECIALTY FLOWERS FOR DIRECT MARKETS**

1:30 p.m., Belmont Room  
Amy Aldenderfer, Presiding

- 1:30 p.m. Daylillies, Income Enhancement for the Farm Market - Winston Dunwell
- 2:30 p.m. Cider/Coffee Break
- 3:10 p.m. Daylilly Breeding and Trends - John Rice
- 3:40 p.m. Using Flowers to Pick up Roadside Market Sales - Bob Anderson

**(13) WHOLESALE MARKETING**

1:30 p.m., Preakness Room  
Tim Woods, Presiding

- 1:30 p.m. State Level Promotion Programs - Jim Mansfield
- 2:00 p.m. Wholesale Tomato Marketing - Panel Discussion
- 2:30 p.m. Cider/Coffee Break
- 3:10 p.m. Your Rights with The PACA - Gregory Braun
- 3:40 p.m. Discussion

**(14) DEER CONTROL FOR FRUITS AND VEGETABLES**

1:30 p.m., Derby Room  
Mike Smith, Presiding

- 1:30 p.m. The Problem, Grower Panel Discussion - George Puckett, John Anderson, Roy Holbrook and Dale DePoyster
- 2:00 p.m. The Kentucky Department of Fish and Wildlife's Deer Program and Your Legal Rights in Deer Control - Clay Smitson
- 2:30 p.m. Cider/Coffee Break
- 3:10 p.m. Deer Control Options, What Works and What Doesn't - Tom Barnes
- 3:40 p.m. Hunting Deer and Setting Up Seasonal Hunting Camps - Tom Barnes

**Holiday Inn North, Lexington, KY**

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

Only one registration is needed per household.

NAME (Please print) \_\_\_\_\_ NO. OF OTHERS ( ) \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY, STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
 PHONE: ( ) \_\_\_\_\_ OCCUPATION/FIRM \_\_\_\_\_  
 FAX: ( ) \_\_\_\_\_ E-Mail \_\_\_\_\_

I would like to be considered for nomination or recommend \_\_\_\_\_ for the  KSHS or  KVGA Board of Directors.

Full membership to Kentucky State Horticultural Society  
 (Includes 1-yr membership and fruit meeting registration) \$25.00 \_\_\_\_\_

Full membership to Kentucky Vegetable Growers Association  
 (Includes 1-yr membership and vegetable meeting registration) \$25.00 \_\_\_\_\_

Registration for the Grape & Wine Short Course plus the Wine Tasting,  
 Jan. 4, (\$20.00/person) \$20.00 \_\_\_\_\_

Registration for Kentucky Organic Farming & Gardening Association \$10.00 \_\_\_\_\_

Registration for UKCES Master Gardeners \$10.00 \_\_\_\_\_

Registration for COUNTY EXTENSION AGENTS / UK STUDENTS NO CHARGE

*Meal tickets are available only through advance registration.*

EXHIBITOR/GROWER LUNCHEON -- January 4, 1999 -- 12:00 Noon EST  
 \_\_\_\_\_ luncheon tickets @ \$10.00 each = TOTAL -- \$ \_\_\_\_\_

MENU: Assorted pizzas, marinated salad, bread sticks and beverage

I want to register for the Wine Tasting only, Jan. 4, 5:15-6:15 PM  
 \_\_\_\_\_ Number attending at \$5.00 each \$ 5.00 \_\_\_\_\_

BANQUET - January 4, 1998 -- 6:15 p.m. EST  
 \_\_\_\_\_ banquet tickets @ \$19.00 each = TOTAL -- \$ \_\_\_\_\_

MENU: roast top sirloin of beef served in its natural juices, scalloped potatoes, green beans, garden fresh salad, rolls and butter, dessert and a beverage

Meal prices include meal, tax and tips TOTAL AMOUNT PAID -- \$ \_\_\_\_\_

Please make CHECKS payable to: \_\_\_\_\_ CHECK # \_\_\_\_\_ CHECK AMOUNT -- \$ \_\_\_\_\_  
**KENTUCKY HORTICULTURE MEETING**

Mail advance registration to: John Strang, Dept. of Horticulture \_\_\_\_\_ CASH AMOUNT-- \$ \_\_\_\_\_  
 N-318 Ag. Sci. North, University of KY, Lexington, KY 40546-0091

*(ADVANCE REGISTRATION MUST BE RECEIVED BY FRIDAY, DECEMBER 14, 1998)*

PLEASE LIST NAME(S) AS DESIRED ON YOUR KY FRUIT & VEGETABLE MEETING NAME BADGE(S):

COOPERATIVE EXTENSION SERVICE  
 U.S. DEPARTMENT OF AGRICULTURE  
 UNIVERSITY OF KENTUCKY  
 COLLEGE OF AGRICULTURE  
 LEXINGTON, KENTUCKY 40546

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OFFICIAL BUSINESS  
 PENALTY FOR PRIVATE USE, \$300

## UK Apple IPM Team Requests Your Help

*The University of Kentucky, College of Agriculture, Apple IPM Team would like your help. We would like for you to share your thoughts with us by completing and returning the attached questionnaire to: John Strang, Dept. of Horticulture, N-318 Ag. Science North, University of Kentucky, Lexington, KY 40546*

This survey can also be mailed back with your KY Fruit and Vegetable Meeting Registration. Thank you for your help.

1. I am an amateur fruit grower. \_\_\_\_ (If yes, go to Question # 5)
2. I am a commercial fruit grower. \_\_\_\_\_
3. I am currently participating in the UK IPM apple program. \_\_\_\_  
 (Attended at least one Apple IPM meeting last season) (If yes, go to Question # 5. If no, go to Question #4.)
4. I am not participating because: (Please select the best responses.)
  - a. I do not know about this program.
  - b. I do not have any apples
  - c. I am not interested
  - d. Scheduled meeting(s) conflicts with employment, farming, or other activities.
  - e. Other
5. I need more information about (circle interests.)
 

a. Cultivars	g. Insect identification	l. Marketing
b. Fertility	h. Insect control	m. Management/Organiza tion
c. Cultural practice	i. Weed identification	n. Tax and labor laws
d. Pruning	j. Weed control	o. Deer/rodent control
e. Disease identification	k. Harvest & post harvest handling	p. Other _____
f. Disease control		
6. The best time of the year/day of the week and time of day for me to attend educational opportunities are:  
 \_\_\_\_\_.
7. I would be interested in receiving information by:
  - a. Attending educational events/field days, etc.
  - b. Mail
  - c. Video tapes
  - d. E-mail
8. To receive needed information I would be willing to travel:
  - a. 35 miles
  - b. 70 miles
  - c. 150 miles



**d. Whatever it takes**