

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 1999 (11-99)

Prepared by John Strang, and Jerry Brown, Extension Horticulturists; Ric Bessin and Monte Johnson, Extension Entomologists; 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

Nov. 9 - Ginseng and Goldenseal Conference, Frankfort, KY. THIS CONFERENCE HAS BEEN **CANCELLED** DUE TO GRIDLOCK IN THE FEDERAL BUDGET AND THE CONSEQUENT LACK OF FUNDING TO BRING SPEAKERS IN. The conference will be rescheduled for next year.

Nov. 19-20 - 1999 Midwest Small Farm Conference and Trade Show, "Profitability through Diversification", Exhibition Center, Hamilton Co. 4-H Grounds Noblesville, IN. This conference features 24 workshops to help build sustainable farming systems and community food systems, and an extensive trade show of goods and services for small farmers. Session topics cover organic and sustainable fruit, vegetable, flower, herb, woody ornamental, fish, hog, and milk production and much more. Registration fees range from \$25 to \$60 depending on the days attended and if there is a late fee attached after 11/10/99. Contact 765/463-9366.

Dec. 13-15, Southeast Vegetable and Fruit Expo., Holiday Inn Four Seasons Koury Convention Center, Greensboro, NC. Contact Bonnie Holloman at bhollom@bellsouth.net or call 919/772-2204. The program is posted on the internet at: <http://www.ces.ncsu.edu/sampson>

Jan. 3-4, - KSHS/KVGA Annual Meeting and

Trade Show, Holiday Inn North, Lexington, KY. See program and registration materials below. Please note that we will have a Round Table Discussion on Fruit Production from 8:00 to 10:00 P.M. on Sunday night for the first time this year. Greg Reighard, a fruit researcher from the Department of Horticulture, Poole Agricultural Center, Clemson, S.C. will lead a discussion on How to Affect Hardiness and Bloom Date on Peaches for the first hour. This will be a great chance to informally share information, meet other fruit growers and obtain new information first hand.

Jan 24-26 - Indiana Horticultural Congress, Adam's Mark Hotel, Indianapolis, IN. Contact Jim Simon 765/494-1328.

Feb.7-12 - Ohio Fruit & Vegetable Congress and North American Farmers Direct Marketing Conference, Cincinnati Convention Center, Cincinnati, OH. A pre-conference tour will begin on Monday Feb. 7, which will include a number of successful and unique farm markets in Ohio, Kentucky and Indiana. Some of the Ohio operations that are scheduled for the tour include Robert Rothschild Berry Farm, Fulton's Farm market, Young's Jersey Dairy, Jungle Jim's, Freshwater Farms, Rhoads Farm market, Caprine Dairy and Big Tree Plantation. The tour will conclude Feb. 9. A tasting event will be held on the evening of Feb. 10. Two days of educational sessions will be on Friday Feb. 11 and Feb. 12. More than 40 sessions will be

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

conducted on market basics, value added, management, technology, entertainment farms, garden center/greenhouses and farmers' markets. Information on registration will be in the January Fruit Facts.

1999 Fruit and Nut Crop

Estimates

After a relatively mild winter, the 1999 growing season in Kentucky was very dry. For the 26-week growing season (April 1-October 1), 21 weeks received below normal rainfall and the rainfall deficit state wide averaged about 9 inches. Some stations recorded deficits of 13 inches, receiving less than half of the 25 inches of rain, which would normally fall during the growing season. Although drought was a season long problem, progressing from severe to extreme in the central and eastern regions of the state, the months of July, August, and September were especially dry; indeed they were the driest reported in Kentucky for the past century. Exacerbating the drought, 18 of the 26 weeks of the growing season recorded above normal temperatures, and some weeks were as much as 8-10 degrees F above normal.

Consequently, in most locations, much of the 1999 growing season was not very favorable for foliar diseases of fruits. Nevertheless in certain areas such as moist river bottom sites or fields with overhead irrigation, foliar diseases were still common.

Although the spring weather in Kentucky was not particularly rainy, the brief showers that did occur were well-timed for the cedar rusts. Rust susceptible apples showed significant cedar-apple rust leaf spots and calyx-end fruit infections caused by cedar-quince rust. Showers during bloom were sufficient to initiate primary infections of fire blight in most parts of the state; considerable secondary shoot infections ensued on susceptible apples and pears. Lack of continued rain and long leaf wetness periods reduced the incidence and severity of apple scab and fruit diseases such as sooty blotch and flyspeck, all of which are enhanced by long leaf wetness periods. The "Show-Me" and "Spectrum watchdog" orchard weather stations with leaf wetness monitors, used for plant disease management, were used by a Scott County grower in the apple IPM program and for fruit defects research at the U.K. Horticultural Research Farm in Lexington.

Grape black rot was prevalent early in the season. Strawberry leaf spot occurred early and black root rot, occurring later, enhanced vulnerability of strawberries to drought. Systemic orange rust was damaging to blackberries in some locations.

Insect pressure was generally light. Japanese beetle pressure was down. On apples codling moth pressure was greater than normal. Though environmental conditions were ideal for mites, there was very little mite damage. Part of this is attributed to changes in pesticide usage by producers such as less use of carbaryl and pyrethroids. Potato leafhoppers were problems on newly planted trees. Peaches were subject to Oriental fruit moth damage.

The drought significantly affected the nut crops.

Many chestnuts had crops, but the nuts were too small to be considered worth harvesting. Black walnuts had heavy crops this season, but nut sizes were small.

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	90	20-100
Peaches	100	
Pears, European	90	
Asian	50	
Plums, Japanese	80	
European	80	
Cherry, tart	90	
Small Fruit		
Strawberries	85	
Grapes	100	
Blackberries, thorny	80	50-100
thornless	80	50-100
Raspberries, spring	80	
fall	70	
Blueberries	100	
Nuts		
Chestnuts	10	
Heartnuts	50	
Hickory, Shagbark	90	
Shellbark	90	
Hicans	25	0-50
Pecans	40	20-70
Walnuts, Black	20	75-85
English	100	
(Brown, Strang, Hartman, Bessin)		

The Kentucky Vineyard Society Now Has a Web Site

As of September The Kentucky Vineyard Society has officially gone on-line with a web site <http://www.kyvineyardsociety.org> The site has sections on membership, KVS officers, organization history, KVS vineyards, KVS publications, the Kentucky Vineyard Assistance Program and links to Kentucky Winery sites and several other sites. Ann Karsner has done a great job putting up the site and is maintaining it. If you have suggestions on additional information that you would like to see on the site, contact Shirley Harmet, KVS Treasurer through the site.

New Website on Pesticide Safety Programs

The EPA has created a new website that provides information on pesticide safety programs. The address is: <http://www.epa.gov/pesticides/safety> The website, which can be accessed in English and Spanish, provides specific information on applicator certification and training requirements and EPA's Worker Protection Standard, including pesticide safety training, notification of pesticide applications, use of personal protective equipment and emergency medical assistance. The site also provides information on the Pesticides and National Strategies for Health Care Providers, and EPA-led initiative aimed at helping health care providers become trained in diagnosing and preventing pesticide related illnesses. OPMP, USDA, 8-99. (Johnson)

Effect of Training System on Apple and Peach Productivity

Research on different training systems for apples and peaches at the University of Arkansas Agricultural Experiment Station by C. Rom et.al. has shown that Empire and Jonagold apples had their largest per tree yields using the central leader training system. However, the slender spindle and vertical axe systems had the greatest cumulative yields per acre over the first six years of production.

The peaches that were minimally pruned and untrained had the highest yields per tree, but along with the central leader trees also had the smallest fruit size. On a per acre basis though, the 2-scaffold V training system produced the highest yields per acre, with a 36% increase in yield in comparison with the open center trained trees over four years of production.

Effect of Nitrogen Applications on 'Arapaho' Thornless Blackberry

J. Naraguma and J. Clark at the University of Arkansas Agricultural Experiment Station in Clarksville have studied the effects of nitrogen rate and single versus split nitrogen applications on yield over a three year period. Treatments consisted of 0, 50 or 100 lb. N/acre applied as a single spring application or 100 lb. N/acre applied as a split application, where 50 lb. was applied in the spring and 50 lb. Was applied immediately after harvest using ammonium nitrate. Nitrogen applications increased foliar N levels, but did not increase yield. No benefit was obtained from the split application or by increasing the N rate above 50 lb./acre.

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!):

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subscribe fruitfacts
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Or, to unsubscribe, the lines:

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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

2000 Winter Meeting Program, January 3 & 4

144TH ANNUAL MEETING OF THE KENTUCKY STATE HORTICULTURAL SOCIETY AND THE 29TH ANNUAL MEETING OF THE KENTUCKY VEGETABLE GROWERS ASSOCIATION AND THE KENTUCKY GRAPE AND WINE SHORT COURSE

MONDAY AND TUESDAY, JANUARY 3-4, 2000

Holiday Inn North, 1950 Newtown Pike, Lexington, Kentucky 40511, (606) 233-0512 ; FAX (606) 253-1505

Highlights of this year's meeting will be sessions on Commercial Fruit and Vegetable Production, Tree Fruit IPM, Direct and Wholesale Marketing, Vegetable Transplant Production, Migrant Labor, Organic Farming and Gardening, and a Grape and Wine Short Course.

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.

This year you will be able to create your own web site at the State Department of Agriculture exhibit booth. Be sure to bring ideas, directions to your farm and a list of your products.

Special out-of-state speakers include: Greg Reighard, Fruit Researcher, Department of Horticulture, Poole Agricultural Center, Clemson, SC; David Monks, Vegetable and Small Fruit Weed Control Specialist, North Carolina State University, Raleigh, NC; Bruce Bordelon, Extension Viticulturist, Purdue University, Lafayette, IN; Tom Bell, Executive Director, Unlimited Futures, Huntington, WV; Dave McAfee, County Line Orchard, Hobart, IN; and Craig Anderson from the 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 Warren the Wizard Welsh will be our banquet entertainment. 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 **Dec. 28, 1999**. 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 of \$52.00. 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 24© registrations for Kentucky and includes a free subscription to the American Vegetable Grower magazine. Please see the registration form to register for the Kentucky Vineyard Society or the Kentucky Organic Farming and Gardening Sessions.

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, 1999. 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)

(1) ROUND TABLE DISCUSSION ON FRUIT PRODUCTION

- 8:00 -10:00 p.m. Belmont Room
Jerry Brown - Presiding
8:00 p.m. Peaches, How we can affect hardiness and bloom date - Greg Reighard
9:00 p.m. General Discussion

Sunday, January 2

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

Monday, January 3

- 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 the Kentucky Vineyard Society and the organic farming and gardening sessions registration.

(2) KSHS - KVGA JOINT SESSION

- 9:00 a.m., Belmont and Preakness Rooms
Don Haney, Presiding

- 8:50 a.m. Welcome - Alan Taylor
9:00 a.m. IR4- Minor Use Pesticides - William Nesmith
10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby
10:30 a.m. How the South Carolina Peach Industry is Preparing for the 21st Century - Greg Reighard
11:15 a.m. Horticulture Proposal for Phase 1 Tobacco Settlement Money - Will Southerland, Ottie Pantle, and Dewayne Ingram
12:00 noon EXHIBITORS AND GROWERS LUNCHEON - Holidome (Assorted pizzas, salad, dessert, and beverage) - Comments - Dewayne Ingram
12:00 noon BOARD MEETINGS
Kentucky State Horticultural Society - Holidome
Kentucky Vegetable Growers Association - Holidome

MONDAY AFTERNOON

4 CONCURRENT SESSIONS

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

(3) COMMERCIAL TREE FRUIT PRODUCTION

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

- 1:30 p.m. How We Make Orchard Management Decisions (Panel discussion) - Steve Isaacs, Don Haney, Tom Bromer, and Shirley Browning
- 2:00 p.m. KSHS, UK High Density Apple Planting Report - Training Time and Yields - Jerry Brown and Dwight Wolfe
- 2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 3:10 p.m. Peach Production in the Future - Greg Reighard
- 4:10 p.m. KSHS Annual Business Meeting

(4) SMALL FRUIT PRODUCTION

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

- 1:30 p.m. The Future of Strawberries in Kentucky - Round Table Discussion - Billy Reid, Doug Archbold
- 2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 3:10 p.m. Opportunities in Blackberries - Jerry Brown and John Strang

(5) VEGETABLE PRODUCTION

1:30 p.m., Preakness Room
Annette Meyer, Presiding

- 1:30 p.m. Risk Management for Fruit and Vegetable Growers - Richard Trimble
- 2:00 p.m. How to Apply Fungicides to Vegetables for Timely Disease Control - William Nesmith
- 2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 3:10 p.m. Bacterial Canker - Most Difficult Disease to manage in Tomatoes - William Nesmith
- 3:40 p.m. Weed Management in Tomatoes, Peppers, Eggplant and Potatoes - David Monks
- 4:10 p.m. KVGA Annual Business Meeting

(6) ORGANIC FARMING AND GARDENING

1:30 p.m., Man-O-War and Secretariat Rooms
Ben Cecil, Presiding

- 1:30 p.m. First Years Experiences in Starting a CSA and Other Marketing Avenues - David Wagoner and Mac Stone
- 2:00 p.m. Bagging Apples for Disease and Insect Control - John Hartman and Ric Bessin
- 2:30 p.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 3:10 p.m. Analysis of Organic Fertilizers for Use in Vegetable Transplant Production - Bob Anderson
- 3:40 p.m. Experiences in Growing and Marketing Organic Vegetables - Ralph Packard
- 4:10 p.m. The Kentucky Organic Certification Program - Hope Crain

MONDAY EVENING, JANUARY 3

- 5:15 p.m. Exhibits Close
- 5:15 p.m. Wine Tasting Featuring Commercial Kentucky Products - Man-O-War and Secretariat Rooms

Sponsored by the KVS, (Broad Run Vineyards and Winery, Spring Hill Vineyards and Winery, 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.)
Speaker: Warren the Wizard Welsh
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 MEETING
Kentucky Vineyard Society - Claiborne Room

TUESDAY MORNING, JANUARY 4

- 8:00 a.m. Exhibits Open, Lobby
- 8:30 a.m. Registration, Lobby in front of Preakness Room

(7) TREE FRUIT IPM WORKSHOP

8:30 a.m., Belmont Room
Thomas Brass, Presiding

- 8:30 a.m. Alternative Pollinators for Apples - Dave Gordon
- 9:00 a.m. Selling IPM - Dave McAfee
- 9:30 a.m. Kentucky IPM for The Future - Jerry Brown and Ric Bessin
- 10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 10:40 a.m. Controlling Costs and Cutting Corners in Apple Production (Panel Discussion) Ed Fackler, Mark Haney, Bill Jackson, Billy Reid, and Robert Rudd
- 11:40 a.m. LUNCH ON YOUR OWN

(8) VEGETABLE PRODUCTION

8:30 a.m., Derby Room
Tim McClure, Presiding

- 8:30 a.m. Weed Management in Muskmelons, Watermelons, Pumpkins, Cucumbers, and Squash - David Monks
- 9:00 a.m. Weed Management in Sweet Corn - David Monks
- 9:30 a.m. Farm and ATV Safety - Larry Piercy
- 10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 10:40 a.m. Vegetable Cultivar Trials Results, Fresh

Market Tomatoes, Cabbage, Pumpkins, and Seedless Watermelons - Terry Jones, Brent Rowell, John Strang

11:40 a.m. LUNCH ON YOUR OWN

(9) DIRECT MARKETING AND THE WEB

8:30 a.m., Preakness Room
Betty King, Presiding

- 8:30 a.m. The Kentucky Direct Marketing Association - Karen Armstrong Cummings and Betty King
- 9:00 a.m. Value Added, From Crop to Market Shelf-Processing Opportunities in West Virginia, Kentucky, and Ohio - Tom Bell
- 9:30 a.m. The Antique Apple Market - Ed Fackler, Dana Reed
- 10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 10:40 a.m. Roadside Markets in Missouri - Dawn Ripley
- 11:10 a.m. Web Sites for Fruit And Vegetable Growers -Anna Sidebottom, Bill Gallrein, and Rick Durham (You will be able to create your own web site on the State Department of Agriculture web server at their exhibit booth during the meeting. Bring ideas, a list of your products, and directions to your farm. You do not need an internet connection or a computer to do this. There is no charge to do this or to maintain the site.)
- 11:40 a.m. LUNCH ON YOUR OWN

(10) GRAPE & WINE SHORT COURSE

8:30 a.m. Man-O-War, Secretariat and Thoroughbred Rooms
Edie Greer, Presiding

- 8:30 a.m. Registration, Lobby in front of Preakness Room
Visit Exhibits - Lobby
- 8:55 a.m. Greetings - Chris Nelson
- 9:00 a.m. Review of Wine Grapes - Chris Nelson
- 9:30 a.m. Review of Fresh Market Grapes - John Strang
- 10:00 a.m. Cider/Coffee Break and Visit Exhibits - Lobby
- 10:15 a.m. Grapes A to Z - Part 1 Vineyard Establishment - Bruce Bordelon
- 11:00 a.m. Grapes A to Z - Part 2 Vineyard Maintenance - Bruce Bordelon
- 12:00 Noon LUNCH ON YOUR OWN and 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
David Koester, Presiding

- 1:30 p.m. Vineyard Establishment (Roundtable Discussion) - All speakers plus commercial winery operators, moderator Chris Nelson
- 2:15 p.m. Cider/Coffee Break - Lobby
- 2:30 p.m. A Practical Spray Schedule for Grapes - John Hartman and Ric Bessin
- 3:00 p.m. Kentucky Vineyard Assistance Program Update - Garth Vinson
- 3:30 p.m. The KVS and The 2,000 General Assembly: Our Agenda and Needs - Eddie O'Daniel

(12) MIGRANT LABOR WORKSHOP

1:30 p.m., Belmont Room
Brent Rowell, Presiding

- 1:30 p.m. Government, Lawyers, and Labor - What You Need to Know - Craig Anderson and Kent Mason
- 2:30 p.m. Question and Answer Session
- 3:00 p.m. Cider/Coffee Break

(13) WHOLESALE MARKETING ISSUES

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

- 1:30 p.m. Fresh Cut Processing and Opportunities for Organic Produce in Wholesale Distribution - Joe Klare
- 2:00 p.m. Value Added Programs and Promoting Kentucky Grown Products - Jim Mansfield
- 2:30 p.m. Cider/Coffee Break
- 3:10 p.m. Coop Marketing, The Scott County Experience - Tim Duncan
- 3:40 p.m. Changes in Wholesale marketing Nationally and its Implications for Kentucky - Tim Woods

(14) VEGETABLE TRANSPLANT PRODUCTION

1:30 p.m., Derby Room
Kathy Keeney, Presiding

- 1:30 p.m. Getting Back to the Basics of Growing Transplants, Greenhouse Management, Injectors, etc. - Bob Anderson
- 2:30 p.m. Cider/Coffee Break
- 3:10 p.m. Irrigation Methods and Transplant Quality - Beth Galloway
- 3:40 p.m. Pest Control in the Greenhouse - Ric Bessin

WHO'S WHO

Bob Anderson, Floriculture Specialist, University of Kentucky, Lexington, KY

Craig Anderson, Regulatory Compliance Assistance Program Manager, Michigan Agricultural Cooperative Marketing Association, Inc., Lansing, MI

Doug Archbold, Fruit Teaching and Research, University of Kentucky, Lexington, KY

Jim Barker, Grower, Barker's Blackberry Hill Winery, Crittenden, KY

Tom Bell, Executive Director, Unlimited Futures, Inc., Huntington, WV

Ric Bessin, Extension Entomologist, University of Kentucky, Lexington, KY

Bruce Bordelon, Extension Viticulturist, Purdue University, West Lafayette, IN

Thomas Brass, Henderson County Extension Agent for Horticulture, Henderson, KY

Tom Bromer, Grower, Bromer's Apple Farm, Bowling Green, KY.

Jerry Brown, Extension Fruit Specialist, University of Kentucky, Princeton, KY

Shirley Browning, Grower, Browning Orchard, Wallingford, KY

Ben Cecil, Jefferson Extension Agent for Horticulture, Louisville, KY

Karen Armstrong-Cummings, Commodity Growers Cooperative Association Leader, Lexington, KY

Hope Crain, Kentucky Organic Program Coordinator, Kentucky Dept. of Agriculture, Division of Markets, Frankfort, KY

Tim Duncan, Marketing Manager, Central Kentucky Growers Association, Inc., Georgetown, KY

Rick Durham, Extension Home Horticulturist, University of Kentucky, Lexington, KY

Ed Fackler, Grower, Rocky Meadow Orchard and Nursery, New Salisbury, IN

Amy Fulcher, Hopkins County Extension Agent for Horticulture, Madisonville, KY

Beth Galloway, Pulaski County Extension Agent for Horticulture, Somerset, KY

Bill Gallrein, Jr., Gallrein Farms, Shelbyville, KY

Dave Gordon, Assistant Professor of Biology, Division of Mathematics and Science, Kentucky State University, Frankfort, KY

Edie Greer, Franklin County Extension Agent for Horticulture, Frankfort, KY

Don Haney, President KSHS, Nancy, KY

Mark Haney, Appledale Orchards, Nancy, KY

John Hartman, Extension Plant Pathologist, University of Kentucky, Lexington, KY

Dewayne Ingram, Chairperson, Department of Horticulture and Landscape Architecture, University of Kentucky, Lexington, KY

Steve Isaacs, Extension Farm Management Specialist, University of Kentucky, Lexington, KY

William Jackson, Grower, Jackson's Orchard, Bowling Green, KY

Terry Jones, Extension Horticulturist, University of Kentucky, Robinson Substation, Quicksand, KY

Joe Klare, Vice President, Castellini Company, Wilder, KY

Gerald and Marilyn Kushner, Broad Run Vineyards and Winery, Louisville, KY

Kathy Keeney, McCracken County Extension Agent for Horticulture, Paducah, KY

Betty King, Extension Specialist in Rural Economic Development, Department of Agricultural Economics, Lexington, KY

David Koester, Campbell County Extension Agent for Horticulture, Highland Heights, KY

Jim Mansfield, Director, Division of Value-Added Horticulture/Aquaculture, KY Department of Agriculture, Frankfort, KY

Kent Mason, Investigator, U.S. Department of Labor, Wages and Hour Division, Lexington, KY

Dave McAfee, Grower, County Line Orchard, Hobart, IN

Tim McClure, Shelby County Extension Agent for Horticulture, Shelbyville, KY

Annette Meyer, Davies County Extension Agent for Horticulture, Owensboro, KY

David Monks, Professor and Department Extension Leader, Vegetable and Small Fruit Weed Control Specialist, North Carolina State University, Raleigh, NC

Chris Nelson, President Kentucky Vineyard Society,
Nicholasville, KY

William Nesmith, Extension Plant Pathologist, University
of Kentucky, Lexington, KY

Eddie O'Daniel, Springhill Vineyards, Louisville, KY

Ralph Packard, Grower, Misty Meadow Farm,
Brandenburg, KY

Ottie Pantle, Jr., Grower, Lake Hill Farm, Owensboro,
KY

Larry Piercy, Agricultural Safety and Health Specialist,
Biosystems and Agricultural Engineering, University of
Kentucky, Lexington, KY

Dana Reed, Grower, Dana Reed's Apple Valley Orchard,
Paris, KY

Billy Reid, Grower, Reid's Orchard, Owensboro, KY

Greg Reighard, Department of Horticulture, Poole
Agricultural Center, Clemson, SC

Dawn Ripley, Jefferson County Extension Agent for
Urban Programs, Jefferson County Extension Office,
Louisville, KY

Brent Rowell, Extension Vegetable Specialist, University
of Kentucky, Lexington, KY

Robert Rudd, Grower, Rudd's Apple Orchard, East
Bernstadt, KY

Anna Sidebottom, Marketing Specialist, Division for
Value-Added Horticulture & Aquaculture, Frankfort, KY

Will Southerland, Grower, Chair, legislative Liaison
Committee for the Kentucky Horticultural Council,
Southerland Greenhouses, Paris, KY

Mac Stone, Research Farm Manager, Kentucky State
Research Farm, Frankfort, KY

John Strang, Extension Fruit and Vegetable Specialist,
University of Kentucky, Lexington, KY

Alan Taylor, President KVGA, Eastern Kentucky
Vegetable Producers Assoc., Booneville, KY

Richard Trimble, Extension Farm Management
Specialist, University of Kentucky, Princeton, KY

Garth Vinson, Murry State Viticulturist, Murray State
University Department of Agriculture, Vineyard
Assistance Program, Murray, KY

David Wagoner, Grower, Three Springs Farm, Carlisle,
KY

Warren the Wizard Welsh, Master of Classical Magic,
Richmond, KY

Dwight Wolfe, Horticulture Research Specialist,
University of Kentucky, Princeton, KY

Tim Woods, Extension Agricultural Economist,
University of Kentucky, Lexington, KY

2000 Tradeshow Exhibitors (as of this printing)

Adams County Nursery, Inc.

Dow AgroSciences

Earth Tools and Goods

Farm Markets of Ohio

Indiana Berry and Plant Company

Just Kentucky, Inc.

Kentucky Department of Agriculture

Kentucky Irrigation Company

Rocky Meadow Orchard & Nursery

Rupp Seed, Inc.

Schumacher Irrigation, Inc.

Seedway

U.A.P. Richter

John Strang, Extension Horticulturist

KENTUCKY FRUIT AND VEGETABLE MEETING - Jan. 3-4, 2000, 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.

<p>Full membership to Kentucky State Horticultural Society (Includes 1-yr membership and fruit meeting registration)\$25.00 _____</p> <p>Full membership to Kentucky Vegetable Growers Association (Includes 1-yr membership and vegetable meeting registration)\$25.00 _____</p> <p>Registration for the Grape & Wine Short Course plus the Wine Tasting, Jan. 4, (\$20.00/person) \$20.00 _____</p> <p>Registration for Kentucky Organic Farming and Gardening session\$10.00 _____</p>

Meal tickets are available only through advance registration. Meal prices include meal, tax and tips.

EXHIBITOR/GROWER LUNCHEON

January 3, 2000 -- 12:00 Noon _____ luncheon tickets @ \$14.00 each
TOTAL = \$ _____
MENU: Assorted pizzas, salad, dessert and beverage

I want to register for the WINE TASTING ONLY

Jan. 3, 5:15-6:15 p.m. _____ wine tasting tickets at \$5.00 each
TOTAL = \$ _____

BANQUET

January 3, 2000 -- 6:15 p.m. _____ 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

Please make checks payable to Kentucky Horticulture Meeting

**Advance Registration MUST be received by
Friday, Dec. 14, 1999**

Mail Advance Registration To:

John Strang, Dept. of Horticulture, N318 Ag. Sci. North, University of
Kentucky, Lexington, KY 40546-0091

Please list the name (s) as desired on your name badge(s) on the back of this form.

Total amount paid _____
Check ____ Cash ____ Check # _____

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This is what I want my 2000 Tradeshow name badge to have on it:
(Please Print)

- 1) _____
- 2) _____
- 3) _____
- 4) _____

The next Issue of Fruit Facts Will Be in January 2000.

HAPPY HOLIDAYS!

