



Kentucky Fruit Facts

Research & Education Center

P.O. Box 469, Princeton, KY 42445

November 2001 (11-01)

John Strang, Editor, Marilyn Hooks and Karen Shahan, Staff Assistants

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

Fruit Crop Status and News

USApple's 2001 apple crop forecast is 215 million bushels, which is the smallest crop in the last 10 years. This is 15% lower than the crop in 2000 and 16% lower than the crop for the previous 5 years.

Apple growers should have the grass mowed close in their orchards and have poison bait in place for vole control. Young trees should be protected with light colored tree guards or painted white with indoor latex paint to prevent south-west trunk injury.

Peach producers are encouraged to get their peach leaf curl sprays (Carbamate or Ferbam, Ziram, chlorothalonil or fixed copper) on as soon as the leaves drop. This will ensure that the spray gets on before bud swell. Fixed copper compounds applied at leaf fall may improve bacterial spot control by reducing the inoculum that overwinters in leaf scars. Young trees should also be protected with light colored tree guards or painted white with indoor latex paint to prevent south-west trunk injury.

Grape growers that have vinifera grapes or 1-2 year old grafted French American hybrid grapes should have the graft unions covered with soil or some other insulating material for winter protection.

Strawberry growers will want to have weed seed free straw mulch on hand for mulching their plants when the temperature gets down to about 20°F at night. This is usually occurs in mid December.

Tom Priddy in the U.K. Agricultural Weather Center said that the latest national weather models call for extended warm near normal temperatures for the rest of this year and for the first half of 2002. However, there is a large cold area that is expected to extend down into Indiana, which should produce a cold December followed by a warmer second half of the winter. This would produce a winter and spring much like what we experienced this past year. A moderate El Nino is expected to resurface near the middle of 2002, which translates into possibly a cooler wetter summer.

We extend our condolences to the Fegenbush family. Bill Fegenbush, who operated Fegenbush Orchards and Market in Louisville for many years passed away at home on November 10th.

Upcoming Meetings

Dec. 11-12, 2001 - New England Vegetable and Berry Conference and Trade Show, Sturbridge Host Hotel, Sturbridge, MA. Contact Dr. Anne Carter 413/545-5216 akcarter@pssci.umass.edu

Jan. 7-8 - Annual Kentucky State Horticultural Society, Kentucky Vegetable Growers Association and Kentucky Grape and Wine Short Course meeting. Holiday Inn North, Lexington, KY. See program below. Contact John Strang 859-257-5685.

Feb. 6-8 - Ohio Fruit and Vegetable Growers Congress and Ohio Roadside Marketing Conference, Toledo SeaGate Center and Radison Hotel, Toledo, OH. Contact <http://www.ohiovegetables.org>

Feb. 15 - Northern Piedmont Specialty Crops School. Southern Livestock Center, Oxford, NC. Contact Carl Cantaluppi 919-603-1350.

2001 Season Summary and Fruit and Nut Crop Estimates

Ric Bessin, John Brittain, Henry Converse, John Hartman, Terry Jones, John Strang, Les Wilmoth and Dwight Wolfe

Following a mild fall, temperatures in December, 2000 were 10°F below normal and tree fruits not hardened off showed winter injury symptoms during the 2001 growing season. The rest of the winter was relatively mild and temperatures were 5 to 6°F above normal in February and April, which lead to an early bloom that was spread out over a long period. Freezes occurred on the mornings of April 18 and 19th causing complete crop losses for a small number of apple and peach growers south and slightly west of Louisville and in a few other parts of the state. Frost in other parts of the state reduced the crop to varying degrees. The peach crop generally fared better than the apple crop. Peaches were in bloom and apples ranged from tight cluster to bloom at the time of the frosts.

The season started off with below normal moisture and March and April were very dry. There were 10 days in April and May where temperatures were over 80°F. In May the rainfall picked up in central and eastern Kentucky and in parts of northeast Kentucky over 50 inches of rain were received between May and mid-September. June was cool and dry, while July was abnormally wet. Far west Kentucky was abnormally dry early until July when several huge rain storms passed through. This area also received above normal rainfall in August and September. Most fruit crops were harvested roughly 10 days earlier than normal.

Apples

Kentucky growers produced an apple crop that averaged 75% of normal. However, this ranged from 100% for many growers to 2% for several growers in central and eastern Kentucky. Fruit color, finish and size were very good for most growers due to midsummer rainfall and normal temperatures in September. Cork spot and bitter pit were present in orchards with lighter crops and 'Gala' and 'Red Delicious' showed

Pears

considerable frost ringing. Apple sales picked up as the weather cooled down in September.

We now have two flash pasteurization facilities (Bowling Green and Georgetown) that are set up to make cider for other growers thanks to cost share funding made available through the Kentucky Agricultural Development Board.

The dryer than normal April reduced the occurrence of primary infections of apple scab (*Venturia inaequalis*). Nevertheless, there was just enough moisture to favor significant cedar rust (*Gymnosporangium juniperi-virginianae*, *G. clavipes*, and *G. globosum* infections. Mild April weather and occasional showers during apple and pear bloom resulted in devastating fire blight (*Erwinia amylovora*) outbreaks statewide. Spring frosts occurred and may have exacerbated fire blight. Seasonal summer rains and long leaf wetness periods increased the incidence and severity of secondary apple scab, apple frog-eye leaf spot (*Sphaeropsis malorum*), apple sooty blotch (*Pelastar fructicola*, *Geastrumia polystigmatis*, *Leptodontium elatius*), and other fungi and flyspeck (*Zygophiala jamaicensis*), all of which were enhanced by long leaf wetness periods. By season's end susceptible unsprayed apples had less scab than usual but fruits were covered with sooty blotch and flyspeck. Bitter rot (*Colletotrichum gloeosporioides*) was found in some apple orchards.

Apple maggot has become common in central Kentucky, with some unsprayed trees having 20 or more percent damaged fruit. European red mite levels were again low in Kentucky. Late season codling moth continues to be a problem in some orchards where controls are relaxed. Japanese beetles continue to move westward and growers in the western third of the state continue to experience serious problems mid-season. On the unusual side, we noted Asian lady bird beetles feeding on cracked Gala apples in Lexington.

Stone Fruit

The peach crop is estimated to be about 80% of normal and quality was excellent. Japanese plums did not produce a crop and there were few European plums.

Summer rains and long leaf wetness periods increased the incidence and severity of peach scab (*Cladosporium carpophilum*) which was a severe problem for some growers.

With the loss of Pencap-M for tree fruit, second generation San Jose scale has become a serious problem on peaches with one of our better growers. We are supporting the IR-4 and Valent's pursuit of a federal registration for Esteem 0.86 EC on stone fruit. There were more problems with peachtree borers in non-commercial trees in 2001.

The European pear crop ranged from 5 to 100% of

normal and Asian pears produced from 0 to 100% of a normal crop. Stink bugs continue to be a problem in Asian pears.

Strawberries

The strawberry crop was estimated to be about 75% of normal due to the spring freeze. Strawberry anthracnose (*Colletotrichum acutatum*) and strawberry leaf spot (*Mycosphaerella fragariae*) occurred early in the season.

Brambles

Thorny blackberries produced 95% of a normal crop, while the thornless crop was 100% of normal. Some blackberries suffered winter injury. Systemic orange rust (*Gymnoconia nitens*) was devastating to blackberries in some locations. Blackberry rosette (*Cercospora rubi*) was also observed. Possible impatiens necrotic spot virus infection of blackberries is under investigation. Wet July weather and poorly drained soils stimulated root rot (*Phytophthora spp.*) of raspberries.

Grapes

The grape crop was smaller than expected for many growers and ranged from 30 to 100% of normal. The late spring freeze eliminated many primary buds and many growers had fruit from primary and secondary buds on the same vines, presenting some problems with harvest. Birds and Green June beetles were a serious problem for some growers.

Grape crown gall (*Agrobacterium tumefaciens*) incidence was up and black rot (*Guyignardia bidwellii*) and anthracnose (*Elsinoe ampelina*) were also prevalent. A Pierce's disease (*Xylella fastidiosa*) outbreak east of Owensboro in Hawesville was confirmed by rapid PCR analysis on September 24, 2001. The grower has seen the symptoms for the last three years.

Blueberries

Blueberries produced roughly 70% of a normal crop this season. Bird problems were normal.

2001 Percentage of Normal Full Crop for Kentucky

Fruit	Percent of Full Crop	Range (%)
Tree Fruit		
Apples	75	2 - 100
Cherry, Tart	60	
Peaches	80	0 - 100
Pears, Asian	30	0 - 100
Pears, European	70	5 - 100
Plums, European	20	
Plums, Japanese	0	
Small Fruit		
Blackberries, thorny	95	
Blackberries, thornless	100	
Blueberries	70	
Grapes	70	30 - 100
Raspberries, fall	100	
Raspberries, spring	100	
Strawberries	75	
Nuts		
Chestnuts	95	
Heartnuts	0	
Hickory, Shagbark	100	
Hickory, Shellbark	100	
Hicans	100	
Pecans	50	0 - 100
Walnuts, Black	80	25 -100
Walnuts, Persian	0	

Fruit & Vegetable Conference and Trade Show

JANUARY 7-8, 2002

146th Annual Meeting Kentucky State Horticultural Society and 31st Annual Meeting Kentucky Vegetable Growers Association and Kentucky Grape and Wine Short Course

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

Holiday Inn North
1950 Newtown Pike, Lexington, Kentucky 40511
(859) 233-0512

Meeting Outline

Sunday, January 6

7:00-9:00 p.m. Exhibitor Set-up
8:00 p.m. Round Table Discussion on Fruit Production

Monday, January 7

8:00 a.m. Trade Show Open
8:50 a.m. KSHS-KVGA Joint Session
10:30 a.m. Break
11:00 a.m. KSHS-KVGA Joint Session
Noon Exhibitors and Growers Luncheon
KVGA & KSHS Board Meetings
1:30 p.m. Commercial Tree Fruit Greenhouses
Vegetable Production
Organic Farming and Gardening
2:30 p.m. Break
5:15 p.m. Trade Show Close
5:15 p.m. Wine Tasting
6:15 p.m. Banquet
8:30 p.m. Board Meeting (KVS)

Tuesday, January 8

8:00 a.m. Trade Show Open
8:30 a.m. Tree Fruit IPM
Vegetable Production
Produce Marketing
Grape and Wine Short Course
10:00 a.m. Break
11:40 a.m. Lunch on Your Own
1:30 p.m. Grape and Wine Short Course
Field Grown Cut Flowers
Trickle Irrigation Workshop
Small Fruit Production
2:15/2:30 p.m. Break
3:00 p.m. Exhibit Hall Closes

Dear Kentucky Vegetable and Fruit Grower:

The 2002 Fruit and Vegetable Conference and Trade Show will be at the Holiday Inn North, Lexington, KY, Monday and Tuesday, JANUARY 7 and 8, 2002. Highlights of this year's meeting will be sessions on Commercial Fruit and Vegetable Production, Tree Fruit Integrated Pest Management, Produce Marketing, Greenhouse Production, Field Grown Cut Flowers, Organic Farming and Gardening, a Trickle Irrigation Workshop, and a Grape and Wine Short Course. Please note that we will again have a pre-conference Round Table Discussion on Fruit Production the evening of Sunday, January 6th.

We will 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: Dr. Dave Ferree, Fruit Research, Ohio Agr. Res. & Dev. Center, Dept. of Hort. & Crop Sci., Wooster, OH; Dr. Dave Lockwood, Extension Fruit Specialist, Department of Plant and Soil Science, University of Tennessee, Knoxville, TN; Tammy Algood, Assistant Area Specialist, Food Marketing, University of Tennessee Agricultural Extension Service, Nashville, TN; Dr. Imed Dami, Viticulturist, Southern Illinois University, Carbondale, IL and Eero Ruuttila, Commercial Organic Vegetable Grower, Nesenbeag Cooperative Farm, Litchfield, NH.

We will have both a luncheon and a banquet this year and Dean M. Scott Smith and Dr. Steve Isaacs will be our banquet speakers. 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. 23, 2001. 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 \$58.00 for a single or double. We must have a set number of sleeping rooms occupied by growers to avoid paying meeting room charges. The newly renovated Holiday Inn also has a heated indoor pool.

The \$25 meeting registration fee includes a year's membership in the KVGA or KSHS 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 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, 2001. 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 association membership.

Sincerely,
Ottie Pantle, President, KY Vegetable Growers Assoc.

John Schlei, President, KY State Horticultural Society

All Times Are Eastern Standard Time

SUNDAY, EVENING, JANUARY 6

7:00-10:00 p.m. Exhibitor Set-up, Pre-function area

(1) PRE-CONFERENCE ROUND TABLE DISCUSSION ON FRUIT PRODUCTION

8:00 -10:00 p.m., Belmont Room - John Strang - Presiding

8:00 p.m. **Improving Fruit Size** - Dave Ferree
8:30 p.m. **Orchard Fertilization** - Dave Lockwood
9:00 p.m. **Crop Insurance** - Dan Hardaway
9:30-10:00 **General Discussion**

MONDAY, JANUARY 7

8:00 a.m. Trade Show Open, Pre-function area
8:00 a.m. Coffee, Pre-function area
8:30 a.m. Registration, Pre-function area in front of Preakness Room

Meeting registration plus one-year membership in either the 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 - C. A. Pantle, Presiding

8:50 a.m. Welcome - John Schlei
9:00 a.m. **The Horticulture Council Proposal Update**
- Ottie Pantle and Dewayne Ingram
9:30 a.m. **It's Hard to Dance With an Elephant on Your Back** - Tammy Algood
10:00 a.m. **Experiences With The West Kentucky Growers Cooperative** - Joe Cecil
10:30 a.m. Cider/Coffee Break and Visit Trade Show - Pre-function area
11:00 a.m. **Commercial Organic Vegetable Production - A New Hampshire Grower's Experiences** - Eero Ruuttila
11:30 a.m. **The Kentucky Farm Bureau Certified Farm Market Program** - J. K. Henshaw
11:45 p.m. **The Non-insured Disaster Assistance Program Explained** - Tom Howard
12:00 noon **EXHIBITORS AND GROWERS LUNCHEON** - Holidome Comments - Dewayne Ingram
12:00 noon. **BOARD MEETINGS** - Holidome
Ky St Hort Society and Ky Vegetable Growers Association

MONDAY AFTERNOON - JANUARY 7 - CONCURRENT SESSIONS

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

	(3) COMMERCIAL TREE FRUIT PRODUCTION <i>Belmont Room</i> Patty Savage, Presiding	(4) GREENHOUSES <i>Derby Room</i> Tommy Yankey, Presiding	(5) VEGETABLE PRODUCTION <i>Preakness Room</i> Ron Thomas, Presiding	(6) ORGANIC FARMING AND GARDENING <i>Man-O-War & Secretariat Rms</i> Amy Fulcher, Presiding
1:30 p.m.	Best Size Controlling Apple Rootstocks and Prospective New Rootstocks for the Future Dave Ferree	Greenhouse Structure Choices Neil Devaney	Mycorrhizae in Relation to Vegetable Crop Rotation Jim Hendrix	Organic Pest Management Eero Ruuttila
2:00 p.m.	Apple Thinning Dave Ferree	How to Operate A Greenhouse Bob Anderson	Actigard Effects on Tomatoes Amanda Ferguson	Edamame Green Edible Soybean Production and Marketing Carol Cassedy and Matthew Ernst
2:30-3:10	Cider/Coffee Break and Visit Trade Show – Pre-function area			
2:55 p.m.				Biological Control Possibilities for European Corn Borer in Peppers - April Sataneck
3:10 p.m.	Applications of GPS/GIS in Fruit Tree Plantings Jim Overfield	Growing Your Own Transplants Bob Anderson	Growing Seedless Watermelons John Strang	Residues of Pyrethrins in Runoff and Infiltration Water George Antonious
3:40 p.m.	Writing a Successful Grant for the Ag Development Board Tim Woods		Cucumber Beetle Control & Impact on Bacterial Wilt in Cantaloupe Ric Bessin and William Nesmith	Heirloom Tomato Evaluations Roger Postley and Rick Durham
4:10 p.m.	KSHS Annual Business Meeting		Managing Bacterial Diseases in Commercial Vegetables and Do We Have Curcurbit Yellow Vine Disease? Bill Nesmith	A Glimpse At Organic Vegetable Production in California Brent Rowell
4:30 p.m.			KVGA Annual Business Meeting	The National Organic Standards Hope Crain

5:15 p.m.	Trade Show Closes WINE TASTING Featuring Commercial Kentucky Products - Man-O-War and Secretariat Rooms
6:15 p.m.	SpringHill Vineyards & Winery. The cost is \$5.00 for the tasting.) , Derby Room [Tickets: \$20.00 in advance Speakers: Dean M. Scott Smith - The Role of Horticulture in the UK College of Agriculture Growing Up Hillbilly
8:30 p.m.	Kentucky Vineyard Society -Claiborne Room

TUESDAY MORNING, JANUARY 8

Trade Show Open, Pre-function area

8:30 a.m.	(7) TREE FRUIT IPM <i>Belmont Room</i> Darrell Simpson, Presiding	(8) VEGETABLE PRODUCTION <i>Derby Room</i> Tom Brass, Presiding	(9) PRODUCE MARKETING <i>Preakness Room</i> Myron Evans, Presiding	(10) GRAPE & WINE SHORT COURSE <i>Man-O-War, Secretariat & Thoroughbred Rms</i> Dave Loney, Presiding
8:30 a.m.	San Jose Scale and Codling Moth Control Ric Bessin	The Green River Produce Marketing Association 2001 Season Nathan Howell	Value Added on Farm Processing and Health Regulations Betty King	Registration , pre-function area in front of Preakness Room Visit Trade Show - Pre-function area
8:55 a.m.				Greetings -- Dave Loney
9:00 a.m.	Periodical Cicada Management Doug Johnson	Vegetable Marketing Containers Mike Nieport	Don't Ignore the Elephant in the Corner of The Room Tammy Algood	Grape Site Selection Imed Dami
9:30 a.m.	Apples and Food Safety Dave Lockwood	2001 Experiences in Bell Pepper Production and Pepper and Tomato Demonstration Plot Results Beth & Joel Wilson, Dave Spalding	Two Years Experience in Growing for a Farmers Market John Wilhoit	A Spray Program for New and Established Vineyards John Hartman and Ric Bessin
10:00-10:40	Cider/Coffee Break and Visit Trade Show – pre-function area			
10:15 a.m.				Pierces Disease John Hartman and Ric Bessin
10:40 a.m.	Establishing Individual Yields for the Non-insured Disaster Assistance Program and The Jackson/Evans Apple Cider Program Bill Jackson and Kevan Evans	Vegetable Cultivar Trial Results (Bell and hot peppers, Muskmelons, Seedless watermelons, Specialty melons, Winter squash) Terry Jones, Brent Rowell, John Strang, Sharon Bale and Angie Vives	Vegetable Marketing Association Update Jim Mansfield and Beth Floyd	
10:45 a.m.				Training Pruning and Rootstocks Imed Dami

11:10 a.m.	Managing Fire Blight In 2002 and Apple IPm Program (Roundtable Discussion) John Hartman and John Strang		Wholesale Marketing Requirements for Wal-Mart, Krogers, and Papania's Inc. Daryl Fryman and Bill Papania	Experiences in Establishing and Maintaining a Vineyard for The First Three Years (Roundtable Discussion) Krasimir Georgiev, Julie Sellers, and Earl Rogers
11:15 a.m.				
11:40 a.m.	LUNCH ON YOUR OWN			
TUESDAY AFTERNOON, JANUARY 8				
	(11) FIELD GROWN CUT FLOWERS <i>Belmont Room</i> Lori Bowling, Presiding	(12) SMALL FRUIT PRODUCTION <i>Derby Room</i> Annette Meyer Heisdorffer, Presiding	(13) TRICKLE IRRIGATION WORKSHOP <i>Preakness Room</i> Robbie Smith, Presiding	(14) GRAPE & WINE SHORT COURSE (continued) John Sparks, Presiding
1:30 p.m.	Cut Flowers for Roadside and Farmers Market Sales Sharon Bale	Getting Started in Strawberries George Warren	Drip System Design Richard Warner	Canopy Management and Enhancing Grape Fruit Quality – Imed Dami
2:00 p.m.	Cut Flower Research Bob Anderson	Blueberry Production in Kentucky William Turner		Kentucky Vineyard Assistance Program/GIAC Update Cynthia Bohn and Jim Mansfield
2:15 p.m.			Cider/Coffee Break - Pre-function area	
2:30 p.m.				Small Scale Blue Ribbon Wine Making Techniques – David House
2:30-3:10	Cider/Coffee Break and Visit Trade Show – Pre-function area			
3:00 p.m.			Drip System Design (cont'd.)	Considerations and Experiences in Building a Winery and Retail Outlet Jerry Holder, Eddie O'Daniel and Chris and Denise Nelson
3:10 p.m.	Postharvest Sharon Bale	Currants and Gooseberries for Kentucky Kirk Pomper	Simple Drip Systems for Vegetable Crops Brent Rowell and Terry Jones	
3:30 p.m.				Equipment for Large and Small Wineries Ben Valentino
3:40 p.m.	Cut Flower Round Table Discussion Ann Trimble & Paul Wiediger	Blackberry Cultivars and Production Practices John Strang	Experiences With Drip Irrigation at the Green River Cooperative Chris Clark and Nathan Howell	

Lexington, KY

KENTUCKY FRUIT AND VEGETABLE MEETING
Holiday Inn North

January 7-8, 2002

Mark one of the following:

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

\$25 registration per household, maximum of 2 people for the KSHS or KVGA, \$10 for each additional person over 15 yrs. age. Registration allows entrance into any other conference meeting session.

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, \$25/2 people) \$25.00 _____

Full membership to **Kentucky Vegetable Growers Association**
(Includes 1-yr membership and vegetable meeting registration, \$25/2 people) \$25.00 _____

Additional KSHS or KVGA family member registration (\$10/person) \$ _____

Registration for the **Grape & Wine Short Course** plus the Wine Tasting, Jan. 8, (\$20/person) \$20.00 _____

Registration for **Kentucky Organic Farming and Gardening session** (\$10/person) \$ _____

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

EXHIBITOR/GROWER LUNCHEON -- January 7, 2002 / 12:00 Noon EST

*** MENU: Deli Buffet, Soup du Jour, salads, cold cuts, brownies ***

_____ luncheon tickets @ \$16.00 each TOTAL - \$ _____

Register for the **Wine Tasting only, Jan. 7, 5:15-6:15 PM** _____ Number attending at \$5.00 each \$5.00 _____

BANQUET - January 7, 2002 -- 6:15 p.m. EST _____ banquet tickets @ \$20.00 ea.=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: **KENTUCKY HORTICULTURE MEETING**

CHECK # _____ CHECK AMOUNT \$ _____ CASH AMOUNT \$ _____

**Mail advance registration to: John Strang, Dept. of Horticulture, N-318 Ag. Sci. North, University of KY, Lexington, KY 40546-0091

ADVANCE REGISTRATION MUST BE RECEIVED BY FRIDAY, DECEMBER 14, 2001

Dr. John Strang
Coordinator

⇒⇒⇒PLEASE LIST NAME(S) AS DESIRED ON YOUR NAME BADGE(S) ON THE BACK OF THIS FORM

Imidan and Guthion Uses Restricted

Ric Bessin, Extension Entomologist

In early November the EPA announced that it has come to an agreement with the manufacturers of Guthion (azinphosmethyl) and Imidan (phosmet) to implement new restrictions on the uses of these materials. For both of these materials, current uses are grouped into one of three categories, voluntarily canceled, phased out over 4 (azinphosmethyl) or 5 (phosmet) years, or uses allowed to continue for the respective 4 or 5 year period and re-evaluated by the end of the period.

The crop uses for azinphosmethyl that are being phased out over the next four years include almonds, tart cherries, cotton, cranberries, peaches, pistachios, and walnuts. Of these, tart cherries and peaches are relevant to Kentucky producers. Producers will be able to continue to use azinphosmethyl on these crops for the next four years, with other use restrictions.

The azinphosmethyl time-limited registrations include apples, crab apples, blueberries, sweet cherries, pears, pine seed orchards, brussels sprouts, cane berries, and nurseries for quarantine purposes. Azinphosmethyl and phosmet are significant components of our IPM program for apple production in Kentucky.

There are 33 other crop uses of azinphosmethyl that have been voluntarily canceled. Among those that are relevant to Kentucky

agriculture include grapes, strawberries, plums and prunes, pecans, nectarines, broccoli, cabbage, cauliflower, cucumbers, eggplant, melons, onions, potatoes, and tomatoes. In the past, azinphosmethyl use on vegetables in Kentucky has been very low. Some fruit and nut growers will need to change their spray program for 2002.

With phosmet, only three uses have been canceled. These are for use on domestic pets, home ornamental plants, and home fruit trees. Phosmet use under specific terms will be permitted for the next five years on apples, apricots, blueberries, crab apples, grapes, nectarines, peaches, pears, and plums/dried plums. Imidan use on apples and peaches is common in Kentucky.

The time limited registrations allow for producers and others to find effective alternatives to these materials and to give the EPA time to consider additional information. During the phase out and time-limited registration periods, other restrictions that increase reentry intervals, reduce the numbers of applications and total amount of material that can be applied in a season have been placed on certain crop uses.

John Strang, Extension Horticulturist