

# Kentucky Fruit Facts

June 2006 (6/2006)

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

The period for effective apple thinning is over and most growers were successful in their chemical thinning programs. Ease of thinning varied between orchards. Some growers found that they had to go to the highest rates of our most effective thinners to get fruit off and still could not get enough off, while others found that pollination was not as good as they thought and many fruit dropped from the trees without the use of thinners.

Grape fruit set has generally been good for French American hybrid and Vinifera grapes. However, in the bluegrass area we have had several reports of light berry set on American grapes due to rainfall and poor pollination conditions during bloom. American grapes generally bloom about a week earlier than French American and Vinifera grapes. We have seen a considerable amount of black rot, phomopsis cane and leaf spot and anthracnose in some vineyards.

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Strawberry growers should renovate plantings as soon as harvest is over to maximize early plant production for next seasons crop.

Entomology has reported that Japanese beetles have been sighted in Lyon county, so you should prepare for this years generation. Japanese beetles often emerge in mass after a rain storm, particularly if it has been dry. Early control will help reduce the migration of beetles on to your crop.

The far western and eastern portions of the state are the driest in terms of soil moisture.

## Upcoming Meetings

**Jun. 27-28 Kentucky Farm Bureau Summer Market Tour**, Kentucky and Nashville Tennessee area, Contact J. K. Henshaw phone: 502-495-5106; e-mail: [jkhenshaw@kyfb.com](mailto:jkhenshaw@kyfb.com) See program outline below.

**Jun. 29 Pecan Tree Grafting Demonstration**, Lewisport 10:00 a.m. Contact the Hancock County Extension Office for directions at 270-927-6618.

**Jul. 9-11 American Society for Enology and Viticulture Eastern Section (ASEV-ES) 2006 Annual Meeting**, Rochester, NY. See [www.nysaes.cornell.edu/fst/asev](http://www.nysaes.cornell.edu/fst/asev) for program and registration information.

**Aug. 1 UK Horticultural Research Farm Twilight Tour**, Horticultural Research Farm, Lexington, KY. The tour of fruit, vegetable, floriculture and woody ornamental research begins at 6:00 p.m. Contact John Strang 859-257-5685; e-mail: [jstrang@uky.edu](mailto:jstrang@uky.edu)

**Aug. 30-Sept. 1 North American Fruit Explorers (NAFEX) and SFF Annual Meeting**, Holiday Inn North, Lexington, KY. This meeting is intended for the amateur fruit grower. Contact John Strang 859-257-5685; e-mail: [jstrang@uky.edu](mailto:jstrang@uky.edu) See program and registration materials below.

**Sept. 18 Harvesting the Fruits of Your Labor**, SunRay Orchard on Alpar Lane, Shepherdsville. 6:00 p.m. Contact Darold Akridge 502-543-2257.

**Sept. 21 Grape and Pawpaw Field Day**, KSU Research Farm, Mills Lane, Frankfort. Contact Kirk Pomper at 502-597-5942; e-mail: [kirk.pomper@ksu.edu](mailto:kirk.pomper@ksu.edu)

**Sept. 28 Robinson Horticultural Tour and Farmers' Market Workshop**, Robinson Station, Quicksand. Contact Terry Jones 606-666-2438 x 234.

**Oct. 28 Kentucky Nut Growers Assoc. Fall Meeting**, KSU Research Farm, Mills Lane, Frankfort. Contact Kirk Pomper at 502-597-5942; e-mail: [kirk.pomper@ksu.edu](mailto:kirk.pomper@ksu.edu)

**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](mailto:jstrang@uky.edu)

## **Kentucky Farm Bureau Summer Market Tour -- June 27-28, 2006**

Tuesday, June 27, 2006

### Dennison's Roadside Market, Horse Cave, KY

Paul and Kathy Dennison began their marketing experience 12 years ago with a demonstration plot of tomatoes, selling from a picnic table in their front yard. Service to the customers has been top priority since day 1. They started with just Kathy and Paul and now employ 6 seasonal workers in the field

and 3 in the store. From the picnic table they grew into an open barn and then to their current enclosed building with heat and air. They continued expanding their product lines but maintained their commitment to sell only their home-grown vegetables in season. Greenhouses were added 3 years ago to supply tobacco plant and vegetable bedding plants. Last year they begin custom growing heirloom tomatoes for Horton Fruit Company of Louisville. Even with its shorter shelf life, the heirloom tomatoes more than satisfy customers with quality and flavor.

### Young's Nursery & Greenhouses, Gallatin, TN

After a New York investment firm bought Young's Nursery and Greenhouses, then shut it down in 2002, the bedding plant producer has made a roaring comeback as a top grower in the floriculture industry. Gene and Jeff Young have invested in modern, mechanized equipment that have helped downsize the number of employees needed for peak and year round periods. In addition to receiving a hearty welcome back from loyal customers they now serve a more diversified market. Efficiency has been instrumental in rejuvenating the company financially, by employing practices like carefully supervising fuel use and recycling tags and flats. All of the plants carry the Music City Flowers trademark and a toll-free phone number for consumers to call with questions. About 60 percent of Young's products are marketed through mass merchandisers, while the rest is diversified among grocery chains, landscapers, independent garden centers and hardware stores.

### Gentry Farms, Franklin, TN

The Gentry Farm has been owned by Rebecca Gentry's family for over 150 years. In recent years they have diversified their farming efforts to include pick-your-own pumpkins as well as raising beef cattle. Gentry's main focus is to offer educational programs for school groups in the fall and the spring. They offer a down-to-earth fun summer day camp. Each summer students enjoy a fun filled summer day camp for children who have finished kindergarten through the seventh grade. They have developed two types of field trips at the farm that students love. Each fall over 5,000 local students visit the farm for a hayride to the pumpkin patch and a trip to the fun hands-on activity area. This field trip is geared for pre-school age children through first grade. Hands-on learning is fun for the children and becomes a wonderful educational experience when teachers and parents interact.

Wednesday, June 28, 2006

Tennessee Agricultural Museum,  
Ellington Agricultural Center,  
Nashville, TN

The Tennessee Agricultural Museum is located on the spacious grounds of the Ellington Agricultural Center. The museum has an extensive collection of home and farm artifacts from the 19th and early 20th centuries along with rural Tennessee prints and folk art sculptures. Textiles, a wood-working collection, buggies, wagons and large items like the McCormick reaper and Jumbo steam engine are exhibited in a renovated plantation barn. Log cabins, a small farm house, kitchen/herb garden, perennial garden and nature trail are also part of the museum tour.

Pratt's Orchard & Garden Center,  
Lebanon, TN

The Pratt family has operated an orchard at this location for approximately 25 years. Before the move to Lebanon Jack's father, Clarence Pratt, had a peach and apple orchard in Franklin, TN. They are now third generation fruit growers. The peach and apple operation is pick your own and they also sell already picked. Pratt's raise and sell vegetables such as sweet corn, tomatoes, and squash.

Sumner Crest Winery, Portland, TN

In the summer of 1997 Justin and Wilburn Hall opened Sumner Crest Winery. Starting with only a few wines, grown on estate vineyards, the word soon spread of its distinctive character and demand grew. The diversity of the clientele demanded a larger tasting list ranging from the wonderful desert wines and floral expressions of native fruit, to the classical varieties of Europe and California. The winery started holding outdoor concerts in 2000. The event schedule is expanding with monthly programs from May through November. The gift shop is constantly adding the finest gifts and antiques from around the world. Their antique and classic car displays is "a ride down memory lane."

## Managing Insecticide Costs in The Orchard

by Ric Bessin, U.K. Extension Entomologist

Growers should try to find the cheapest cost approaches that provide satisfactory results. Doing otherwise would be a waste of precious operating funds. However, when it comes to pest control, this needs to be balanced with managing pest resistance. History has shown us that many pests over time can and will develop resistance to chemical sprays if the sprays are not used in a program that manages resistance. Reliance on a single chemical or even a single class of chemicals that share the same mode of action can result in the pest being less sensitive to that group of chemicals. Growers are also faced with the rapidly increasing cost of pesticides, particularly new pesticides entering the marketplace.

The best case scenario would be to use the cheapest insecticide to control codling moth and not have codling moth develop resistance. The worst case scenario is to have codling moth develop resistance to that compound and have to completely switch to more expensive products. An alternative approach is to use a different class of insecticide for one of the three codling moth generations each year. While this is more expensive, it serves to prolong the usefulness of the more economical products. When comparing prices of pesticides, consider the container size and the use rate per acre per application, not the pesticide cost per pound or gallon. The following are several different insecticides used for codling moth control broken down by mode of action (IRAC class).

IRAC Class	Insecticide
1B	Guthion
	Imidan
3	Danitol*
	Warrior*
	Proaxis*
	Asana*
4A	Assail
	Calypso
	Clutch
5	Spintor
15	Rimon
18	Confirm
	Intrepid

\*Group 3 insecticides are highly toxic to mite predators and use of some of these in apple orchards can lead to mite outbreaks.

## **Governor's Office of Agricultural Policy Roundtable Discussions**

This summer the Governor's Office of Agricultural Policy (GOAP) will once again host a series of roundtable discussions across the Commonwealth. These meetings will give extension agents, county council members, agricultural leaders and GOAP staff the chance to discuss the future of the Agricultural Development Fund (ADF).

In the summer roundtables discussions, GOAP will update you on the ADF, share information regarding future plans and discuss the issues you are facing on the county level, from the use of county funds to the operation of county model programs. There will be thirteen roundtable discussions across the state to give agricultural leaders an opportunity to assist GOAP as we define the future of the ADF in Kentucky's changing agricultural economy.

The roundtable discussion will be held at the following locations:

Thursday, June 22 in Hawesville  
(Hancock County Extension Office)  
10AM-12PM

Thursday, June 22 in Elizabethtown  
(Hardin County Extension Office)  
7PM-9PM

Monday, June 26 in Falmouth  
(Pendleton County Extension Office)  
10AM-12PM

Monday, June 26 in Maysville  
(Mason County Extension Office)  
7PM-9PM

Monday, July 10 in Winchester  
(Clark County Extension Office)  
10AM-12PM

Wednesday, July 12 in Jackson  
(Breathitt County Extension Office)  
7PM-9PM

Thursday, July 13 in London  
(Laurel County Extension Office)  
10AM-12PM

Wednesday, July 19 in Harrodsburg  
(Anderson-Dean Park)  
10AM-12PM

Friday, July 28 in Shelbyville  
(Shelby County Extension Office)  
10AM-12PM

Wednesday, August 2 in Mayfield  
(Graves County Extension Office)  
7PM-9PM

Thursday, August 3 in Hopkinsville  
(Christian Co. Extension Office)  
10AM-12PM

Thursday, August 10 in Columbia (Adair  
County Extension Office) 10AM-12PM

Thursday, August 10 in Edmonton  
(Metcalfe County Extension Office)  
7PM-9PM

For more information on the Roundtables contact the Governor's Office of Agricultural Policy at: <http://www.kyagpolicy.com/> or phone: (502) 564-4627.

## **Grape Cluster Thinning**

*by Kaan Kurtural, U.K. Extension Viticulturist*

Cluster thinning, although a part of canopy management does not have an effect on canopy microclimate but rather is a means of crop control. Post fruit set cluster thinning is recommended in our region to avoid tight clusters and summer rots. Wait until berries are 3 mm to 5 mm in size to do your cluster thinning. The rule of thumb is to remove all clusters from shoots that are < 12" in length, retain 1 cluster per shoot if the shoot length is 24" and retain up to 2 clusters per shoot if the shoot size between 24" to 36". Cluster thinning at this stage will ensure better fruit composition values, earlier harvest, hasten shoot maturation, and most importantly will influence how berries size up so there will be no yield loss.

# 2006 NAFEX - SFF (joint) ANNUAL MEETING

## Bluegrass Fruit Showcase

Holiday Inn North, 1950 Newtown Pike  
Lexington, Kentucky 40511  
(859) 233-0512  
FAX (859) 253-1505

### WEDNESDAY, AUGUST 30

#### ALL TIMES EDT

12:00 - 6:30 p.m. Registration table open in front of meeting rooms  
7:00 p.m. NAFEX Board Meeting, Henry Clay Room  
Fruit and Literature Displays, Pre-Function Area  
5:30 - 8:00 p.m. Auction Item Display, Lexington Room

#### WELCOME RECEPTION, SOCIAL, SHOW AND TELL

5:30 to 8:00 p.m. Belmont Room  
Moderator - Jerry Lehman, NAFEX President  
Welcome - Dewayne Ingram  
Wine Tasting - Tom Cottrell

### THURSDAY, AUGUST 31 / JOINT SESSION

8:00 a.m. Belmont Room  
Jerry Lehman, Presiding  
7:50 a.m. Opening Remarks - Jerry Lehman, NAFEX President  
8:00 a.m. Why is The Bluegrass The Horse Capital of the World? - Horst Schach

### CONCURRENT SESSIONS

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

#### FRUIT VARIETIES

8:30 a.m. Belmont Room  
Jerry Lehman, Presiding  
8:30 a.m. Exploring the Caucasus Mountains  
for Wild Fruits and Nuts  
- Joseph Postman  
9:00 a.m. Pawpaw, Currant and Gooseberry  
- Kirk Pomper  
9:30 a.m. Apricots, A Wider Geographical  
Possibility  
- Bob Purvis  
10:00 a.m. Break- Pre-Function Area  
10:30 a.m. Primocane Fruiting Blackberries:  
Origin and Potential  
- John Clark  
11:00 a.m. Novel Fruits for the Backyard &  
Retail Growers  
- Charlotte Shelton  
11:30 a.m. Unusual Fruits for Backyard Orchards,  
Heirloom and New  
- Richard Moyer  
12:00 p.m. Lunch

#### FRUIT CULTURE

8:30 a.m. Preakness Room  
Al Cosnow - Presiding  
8:30 a.m. Fruit Tree Rootstocks for the Deep  
South  
- Ethan Natelson  
9:00 a.m. The Great Benefits of Annual Fruit  
Thinning  
- John Strang  
9:30 a.m. Bagging Fruit for Pest Control  
- John Hartman and Ric Bessin  
10:00 a.m. Break - Pre-Function Area  
10:30 a.m. Formulating Pesticide Applications  
for Small (hand-held) Sprayers  
- Joe Masabni  
11:00 a.m. Persimmon Culture Basics  
- Jerry Lehman  
11:30 a.m. Growing Fruit in Small Spaces  
- Al Cosnow and Gene Yale  
12:00 p.m. Lunch

### **CONCURRENT SESSIONS (continued)**

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

#### **FRUIT BREEDING AND PROPAGATION**

- 1:00 p.m. Belmont Room  
Ethan Natelson - Presiding
- 1:00 p.m. Genetic Modification: An Aid  
To Hybridization  
- Anton Callaway
- 1:30 p.m. Breeding Pears for Psylla and  
Fire Blight Resistance  
- Richard Bell
- 2:00 p.m. Fall Bearing Black Raspberry  
Breeding Progress  
- Pete Tallman
- 2:30 p.m. Fruit Breeding for the Amateur  
- Felix Cooper
- 3:00 p.m. Break - Pre-Function Area
- 3:30 p.m. New Novel (Wild) Apples from  
Tien Shan, Central Asia  
- Diane Miller
- 4:00 p.m. Propagating the Tough Stuff  
(Nuts, Pawpaws, and Persimmon)  
- John Brittain
- 4:30 p.m. Sure-Fire Techniques for Budding  
Peach  
- Ray Armstrong

#### **FRUIT CULTURE AND PROCESSING**

- 1:00 p.m. Preakness Room  
Ed Fackler, Presiding
- 1:00 p.m. Maximizing Grape Quality Through  
Pruning and Canopy Management  
- Kaan Kurtural
- 1:30 p.m. Blueberry and Blackberry Variety  
Trials  
- John Strang
- 2:00 p.m. 110 Years of Doud Fruit Production  
- David Doud
- 2:30 p.m. Winemaking for the Amateur  
- Tom Cottrell
- 3:00 p.m. Break - Pre-Function Area
- 3:30 p.m. NAFEX: A Personal Adventure  
- Bob Purvis
- 4:00 p.m. Strip Mine Reclamation  
- Horticulture from Hades  
- Terry Jones
- 4:30 p.m. Ribes Diseases and Management  
- Janna Beckerman

#### **Evening Activities**

- 6:00 p.m. NAFEX Buffet Banquet, Derby Room  
MC: Ed Fackler

Pouring Cold Molasses or New Variety Introduction: Which Moves Quicker?  
Speaker - Dr. John Clark

Tickets: (\$28.00 ) in advance including tax and tip.

- 8:00 p.m. NAFEX Business Meeting - Jerry Lehman
- 8:30 p.m. Live Auction

#### **FRIDAY, SEPTEMBER 1 - FIELD TOUR**

- 8:00 a.m. Board busses for tour  
(back parking lot)
- 9:00 a.m. Tour University of Kentucky  
Horticultural Research Farm,  
Lexington  
(blackberries, grapes, blueberries,  
matted row strawberries, apples,  
vegetables, woody ornamentals  
and flowers)
- 11:00 a.m. Tour Boyd Orchards, Versailles
- 12:00 p.m. Lunch Boyd Orchards
- 1:00 p.m. Leave for Frankfort
- 2:00 p.m. Tour Kentucky State University  
Research Farm, Frankfort  
(Pawpaw, gooseberry, currant,  
grapes, vegetables, and honeybees)
- 4:00 p.m. Board busses for hotel
- 5:00 p.m. Arrive Holiday Inn North

# Bluegrass Fruit Showcase

## 2006 NAFEX/SFF (joint) Annual Meeting

August, 30, 31 and September 1, 2006

Hosted by University of Kentucky

Headquarters - Holiday Inn North

### Registration Form

Name (First) \_\_\_\_\_ (Last) \_\_\_\_\_

Additional Name(s)  
\_\_\_\_\_

Address \_\_\_\_\_ City \_\_\_\_\_ ST \_\_\_\_\_ Zip \_\_\_\_\_

Telephone \_\_\_\_\_ E-Mail \_\_\_\_\_

#### REGISTRATION

(Price is per person and pre-registration is required by  
no later than August 12 and no refunds after August 21.)

Registration \_\_\_\_\_ x \$50.00 ea.....Total \$ \_\_\_\_\_

\*Tour \_\_\_\_\_ x \$26.00 ea.....Total \$ \_\_\_\_\_

\*Includes Lunch at Boyd Orchard

Banquet \_\_\_\_\_ x \$28.00 ea.....Total \$ \_\_\_\_\_

Grand Total..... \$ \_\_\_\_\_

Make checks or money orders payable to NAFEX Meeting (sorry, but no Credit Cards accepted) and mail this complete form to the following:

Pam Compton  
Department of Horticulture  
N318 Ag. Science Bldg. North  
University of Kentucky  
Lexington, KY 40546-0091  
Ph. 859- 257-2909

**Lodging & Travel.** The Bluegrass Fruit Showcase will be headquartered at the Holiday Inn North located just off I-64 at 1950 Newtown Pike, Lexington, KY 40511 (Phone 859-233-0512). Rooms are available at \$72.00 per night (single or double) plus applicable tax. Mention North American Fruit Explorers to get this rate. Holiday Inn is located just off I-64 and west of I-75. The Lexington Airport (LEX) is around 10 miles from the Holiday Inn and free shuttle service is available.

# Bluegrass Fruit Showcase

## 2006 NAFEX/SFF (joint) Annual Meeting

August, 30, 31 and September 1, 2006

Hosted by University of Kentucky

Headquarters - Holiday Inn North

### Meeting Overview

Beginning around 5:30 p.m. on Wednesday, Aug. 30, UK Horticulture Department Chair, Dwayne Ingram will kick off an official "Welcome Reception, Social, Show & Tell". Immediately thereafter, Tom Cottrell will host a "Kentucky Wine Tasting". You are encouraged to bring fruit samples, jams, jellies, etc. to share (and brag about!).

**Horticulture Auction.** Jerry Lehman is spearheading an auction to garner operational funds for NAFEX. Displays of items will begin on Wed. (Aug. 30) in the afternoon in the Lexington Room with the live auction being held at 8:30 (after the banquet) on Thursday night. If you have items (including live potted plants) to donate, please contact Jerry for details. If you are not attending and want to donate items for the auction, please ship them to Ms. Letitia Damron, attn: NAFEX Auction at the Holiday Inn.

**Lectures and Speakers.** Thursday's (Aug. 30) presentations will begin at 8:00 a.m. and will consist of many diverse subjects relating to the following.

- A. Fruit Culture Worldwide (including Southern Asia and Eastern Russia)
- B. Fruit Varieties (including minor or obscure fruits)
- C. Fruit Breeding (professional and amateur) and Propagation (including a hands-on demonstration by some of NAFEX's best).
- D. Fruit Culture History, Processing and Winemaking.

**Banquet.** On Thursday night, we'll feast on a Kentucky buffet of barbecued ribs, catfish and all the trimmings. Entertainment will be furnished by Dr. John Clark of the University of Arkansas. His presentation is entitled "Pouring Cold Molasses or New Variety Introduction: Which Moves Quicker?" I heard a version of this a few years ago and it is not only very informative, but is truly hilarious regarding the trials and trivia (some aspects of the patenting process drift toward being goofy!) of the entire plant introduction process. The evaluation process (finding the winners) alone presents some interesting twists.

**Field Tours.** On Friday, Aug. 31 we will leave at 8:00

a.m. via bus to tour the UK Horticulture Research Farm. We'll look at plots of Blackberry, Grape, Blueberry, Strawberry, Apple, vegetables (which includes many new and exotic melons, tomato and a sustainable vegetable production trial), woody ornamentals and flowers.

Additionally, NAFEX member Bob Capshew will demonstrate his extraordinarily efficient (and inexpensive) cider press.

At approximately 10:45 a.m. we'll travel to Boyd Orchard of Versailles, KY. Boyd Orchard is a premier retail operation consisting of 24 acres of apples (many newer varieties), 6 acres of peaches, 2 acres of Asian and European pear and 3 acres of strawberry. We'll have a buffet lunch at Boyd Orchards around Noon.

The afternoon will bring a tour of Kentucky State University Research Farm located just outside of Frankfort, KY. KSU is the home of the National Germplasm Repository for Pawpaw. Kirk Pomper will lead a tour of this gorgeous planting (I've walked it many times over the years). We should have a wide range of varieties to sample. Additionally Kirk will arrange to have pawpaw ice cream as an added treat. We'll also see a Primocane Blackberry variety trial, Current and Gooseberry Trials, and Tom Webster will discuss his work with Honeybees.

We'll return to the motel around 5 pm.

**Lodging & Travel.** The Bluegrass Fruit Showcase will be headquartered at the Holiday Inn North located just off I-64 at 1950 Newtown Pike, Lexington, KY 40511 (Phone 859-233-0512). Rooms are available at \$72.00 per night (single or double) plus applicable tax. Mention North American Fruit Explorers to get this rate. Holiday Inn is located just off I-64 and west of I-75. The Lexington Airport (LEX) is around 10 miles from the Holiday Inn and free shuttle service is available.

If you have questions or special needs, please contact the following:

Ed Fackler, phone 937-667-2491 ext. 3007 (day time) or 937-667-0680 (evening or weekend), or email at [efackler@woh.rr.com](mailto:efackler@woh.rr.com).

John Strang, phone 859-257-5685 (day time) or 859-396-9311 (cell) or email [jstrang@uky.edu](mailto:jstrang@uky.edu).

## Receiving Fruit Facts Electronically on the Internet

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

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

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

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

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

subscribe fruitfacts  
end

Or, to unsubscribe, the lines:  
unsubscribe fruitfacts  
end

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



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John G. Strang,  
Extension Fruit & Vegetable Specialist