



College of Agriculture,  
Food and Environment  
Cooperative Extension Service

# Kentucky Nursery LISTSERV Bulletin

University of Kentucky Nursery Crops Team

End of January 2019

## Wetter Beginning, But Drier February Ahead

The NOAA shows an above average likelihood of the first 10 days in February being significantly wetter than average for the entire Commonwealth, along with a large portion of the Great Lakes, Mid-west, and Upland South.

This first block of days in February are predicted to be warmer than average as well, in contrast to the scattered days with very low temperatures we've received in late January.

The latter half of February is predicted to be drier and colder than average for the eastern half the United States, which could mean more of these arctic air masses are headed our way.

See [UKAg Weather's Long Range Outlooks](#) for a variety of forecasts of temperature and precipitation probabilities.

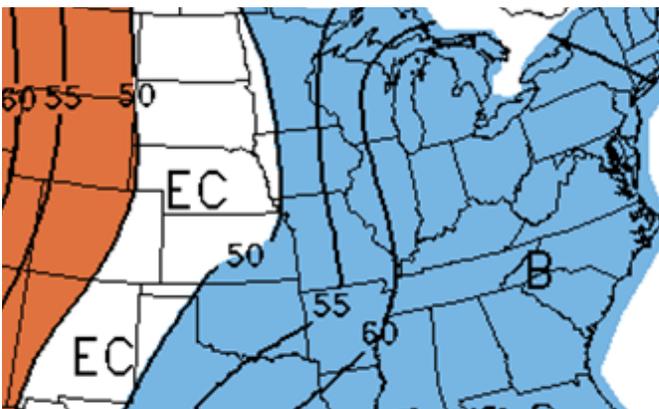
## Nursery Crops Extension & Research Team

**Winston Dunwell**  
Extension Professor  
270.365.7541 x209

**Dewayne Ingram**  
Extension Professor  
859.257.8903

<https://NCER.ca.uky.edu/>

Joshua Knight, Managing Editor



FEB 09-22, Temperature Probability  
Image: NOAA Climate.gov, 25 JAN 2019

- **Pesticide Licensure in Kentucky**
- **Guide to Online Resources for Nursery Growers**

# Pesticide Licensure in Kentucky

*Savannah McGuire, Extension Support Staff, Horticulture*

In Kentucky, both commercial and non-commercial applicators of pesticides and/or fertilizer must be licensed through the Kentucky Department of Agriculture (KDA). To get a license, applicators are required to take an examination and participate in continuing education courses. According to the KDA website, "All commercial and noncommercial applicators must be certified to apply pesticides to the property of others in Kentucky. To apply pesticides in daycare facilities, schools, nursing homes, and hospitals additional certification is required."



Figure 1. Pesticide application

Photo: Kentucky Department of Agriculture

Before taking the exam, determine which certification categories best fit your needs. The exam for the initial category incurs a fee of \$25, with \$10 required for each additional category selected. Pre-registration is not required to take the exam. The exam must be paid for with check or money order. Cash is **NOT** accepted.

Click [here](#) to access the 2019 Commercial Applicator Testing Schedule

Click [here](#) to determine which applicator category that you fit into

Click [here](#) for exam study resources ("category manuals") provided by the University of Kentucky

**License Renewal:** "The licenses are renewed on a yearly basis. To maintain a certification for the Ag Branch you must have nine (9) general and three (3) category specific hours by December 31st of the year listed under the certification area of your license." (Kentucky Department of Agriculture)

**For questions or more information, call (502) 573-0282**

## References

UK Pesticide Safety Education Program (PSEP)

<https://entomology.ca.uky.edu/uk-pesticide-safety-education-program-psep>

Pesticide Training and Testing

<http://www.kyagr.com/consumer/pesticide-training-and-testing.html>

Keeping Up With Your Pesticide Licensing and Certification

<https://kentuckypestnews.wordpress.com/2016/02/09/keeping-up-with-your-pesticide-licensing-and-certification/>

# Guide to Online Resources for Nursery Growers

Savannah McGuire, Extension Support Staff, Horticulture

The University of Kentucky offers a variety of resources to nursery producers to help them improve growing techniques, evaluate business strategies, and more. Accessible online, these resources will allow you to stay up to date on current events and research. Nursery Crop Extension and the Center for Crop Diversification are two units that provide resources that can be helpful to nursery growers and green industry professionals.

Resources profiled in this article:

## Nursery Crop Extension Resources

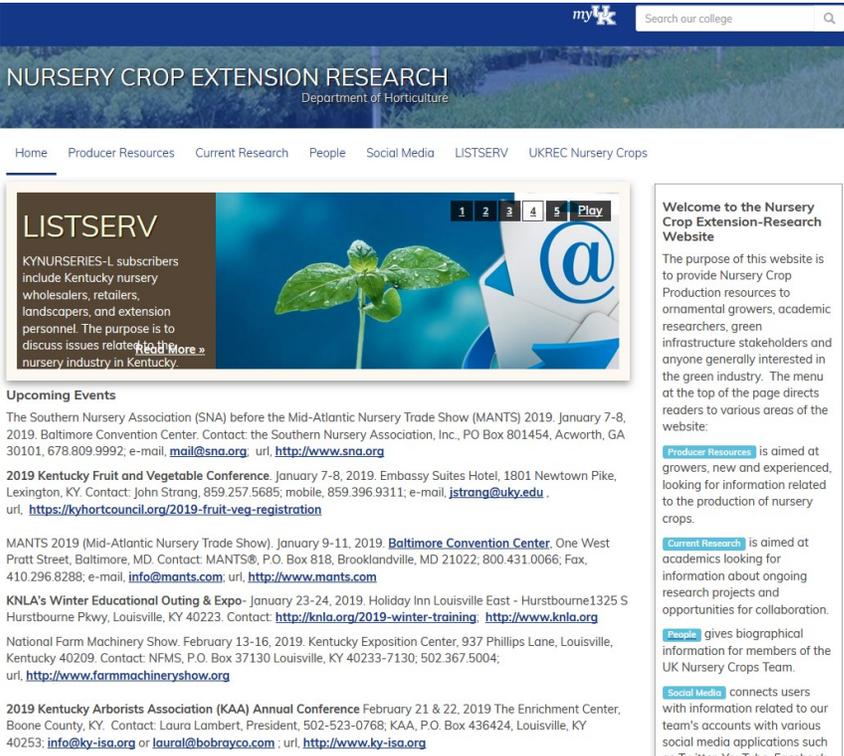
- Nursery Crop Extension-Research Website
- University of Kentucky Horticulture YouTube Channel
- UKREC Hort group Facebook Page

## Center for Crop Diversification Web Resources

- Geographic Horticulture Directory of Kentucky
- Budgeting Tools

## Nursery Crop Extension-Research Website

Visit the UK Nursery Crop Extension-Research website to find information on current and past research, upcoming meetings, links to social media and production resources.



my  Search our college

### NURSERY CROP EXTENSION RESEARCH

Department of Horticulture

Home | Producer Resources | Current Research | People | Social Media | LISTSERV | UKREC Nursery Crops

#### LISTSERV

KYNURSERIES-L subscribers include Kentucky nursery wholesalers, retailers, landscapers, and extension personnel. The purpose is to discuss issues related to the nursery industry in Kentucky. [Read More »](#)

#### Upcoming Events

The Southern Nursery Association (SNA) before the Mid-Atlantic Nursery Trade Show (MANTS) 2019. January 7-8, 2019. Baltimore Convention Center. Contact: the Southern Nursery Association, Inc., PO Box 801454, Acworth, GA 30101, 678.809.9992; e-mail, [mail@sna.org](mailto:mail@sna.org); url, <http://www.sna.org>

2019 Kentucky Fruit and Vegetable Conference. January 7-8, 2019. Embassy Suites Hotel, 1801 Newtown Pike, Lexington, KY. Contact: John Strang, 859.257.5685; mobile, 859.396.9311; e-mail, [jstrang@uky.edu](mailto:jstrang@uky.edu); url, <https://kyhortcouncil.org/2019-fruit-veg-registration>

MANTS 2019 (Mid-Atlantic Nursery Trade Show). January 9-11, 2019. [Baltimore Convention Center](#). One West Pratt Street, Baltimore, MD. Contact: MANTS®, P.O. Box 818, Brooklandville, MD 21022; 800.431.0066; Fax, 410.296.8288; e-mail, [info@mants.com](mailto:info@mants.com); url, <http://www.mants.com>

KNLA's Winter Educational Outing & Expo- January 23-24, 2019. Holiday Inn Louisville East - Hurstbourne1325 S Hurstbourne Pkwy, Louisville, KY 40223. Contact: <http://knla.org/2019-winter-training>; <http://www.knla.org>

National Farm Machinery Show. February 13-16, 2019. Kentucky Exposition Center, 937 Phillips Lane, Louisville, Kentucky 40209. Contact: NFMS, P.O. Box 37130 Louisville, KY 40233-7130; 502.367.5004; url, <http://www.farmmachineryshow.org>

2019 Kentucky Arborists Association (KAA) Annual Conference February 21 & 22, 2019 The Enrichment Center, Boone County, KY. Contact: Laura Lambert, President, 502-523-0768; KAA, P.O. Box 436424, Louisville, KY 40253; [info@ky-isa.org](mailto:info@ky-isa.org) or [laural@bobrayco.com](mailto:laural@bobrayco.com); url, <http://www.ky-isa.org>

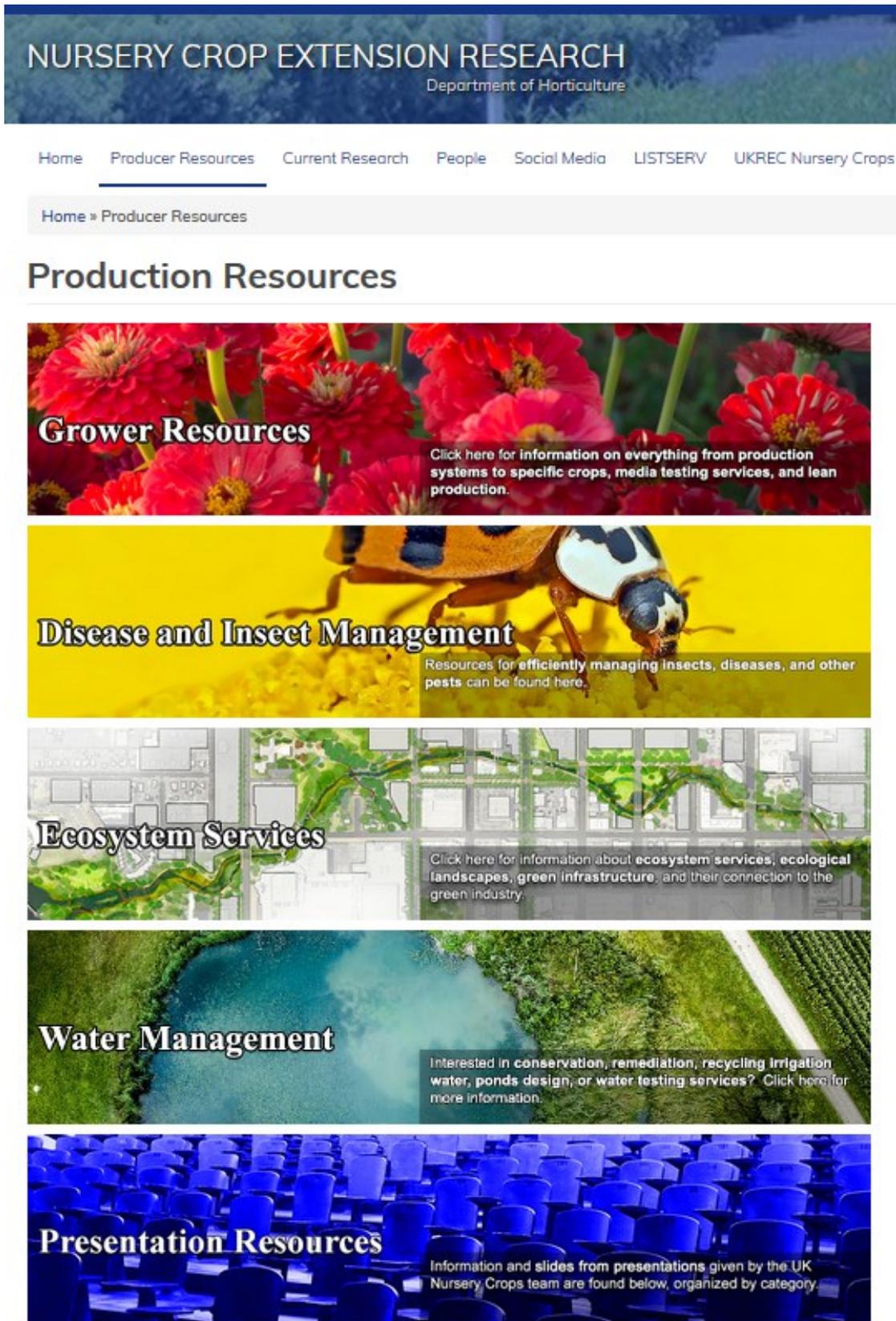
#### Welcome to the Nursery Crop Extension-Research Website

The purpose of this website is to provide Nursery Crop Production resources to ornamental growers, academic researchers, green infrastructure stakeholders and anyone generally interested in the green industry. The menu at the top of the page directs readers to various areas of the website:

- Producer Resources** is aimed at growers, new and experienced, looking for information related to the production of nursery crops.
- Current Research** is aimed at academics looking for information about ongoing research projects and opportunities for collaboration.
- People** gives biographical information for members of the UK Nursery Crops Team.
- Social Media** connects users with information related to our team's accounts with various social media applications such as Twitter, YouTube, Facebook

Continued on next page....

Locate the "Production Resources" link on the menu near the top of any page to access publications and materials that fit your needs.



**NURSERY CROP EXTENSION RESEARCH**  
Department of Horticulture

Home **Producer Resources** Current Research People Social Media LISTSERV UKREC Nursery Crops

Home » Producer Resources

## Production Resources

**Grower Resources**  
Click here for information on everything from production systems to specific crops, media testing services, and lean production.

**Disease and Insect Management**  
Resources for efficiently managing insects, diseases, and other pests can be found here.

**Ecosystem Services**  
Click here for information about ecosystem services, ecological landscapes, green infrastructure, and their connection to the green industry.

**Water Management**  
Interested in conservation, remediation, recycling irrigation water, ponds design, or water testing services? Click here for more information.

**Presentation Resources**  
Information and slides from presentations given by the UK Nursery Crops team are found below, organized by category.

*Continued on next page...*

# University of Kentucky Horticulture YouTube Channel

Visit: [YouTube.com/UKRECHort](https://www.youtube.com/UKRECHort) to see videos on nursery production practices as well as presentations from speakers at UK Nursery Crops educational meetings.

The screenshot shows the YouTube channel page for the University of Kentucky Horticulture. At the top, there is a search bar and navigation icons. The channel name is "University of Kentucky Horticulture" with 1,395 subscribers. Below the channel name are tabs for HOME, VIDEOS, PLAYLISTS, COMMUNITY, CHANNELS, and ABOUT. The "Uploads" section displays five video thumbnails with titles and view counts. The "UK Nursery Crops Web-Series" section is also visible, featuring a row of video thumbnails. The page includes a sidebar with navigation options like Home, Trending, History, and various video categories.



An Introduction to the Kentucky Nursery Industry

*Continued on next page...*

# UKREC Horticulture Group Facebook Page

Stay up-to-date on current events with the UKREC Hort Group at the UKREC Hort Group Facebook page. Updates include: planned field days and meetings, information on current research, and updates from the gardens.

THE UKREC Horticulture Group mission is to support Kentucky Horticulture (nursery/landscape, fruits, and vegetables). Located in Princeton, KY, six Horticulture department faculty and staff are housed at the **University of Kentucky Research and Education Center** with a research orchard, nursery/landscape research site, vegetable plots, and the UKREC landscape. The nursery landscape plots are used for evaluation of production systems, landscape plant establishment, and serves as a plant cultivar and Kentucky native plant testing site.

<https://www.facebook.com/pg/Ukrec-Hort-Group-122095484516798>

Ukrec Hort Group

Home  
About  
**Photos**  
Videos  
Posts  
Notes  
Community  
Info and Ads

Like Follow Share ... Send Message

3 photos were posted by other people. See All

Albums See All

- Timeline Photos 294 Photos
- Cover Photos 2 Photos
- Untitled Album 4 Photos
- Untitled Album 1 Photo

## CCD Resource:

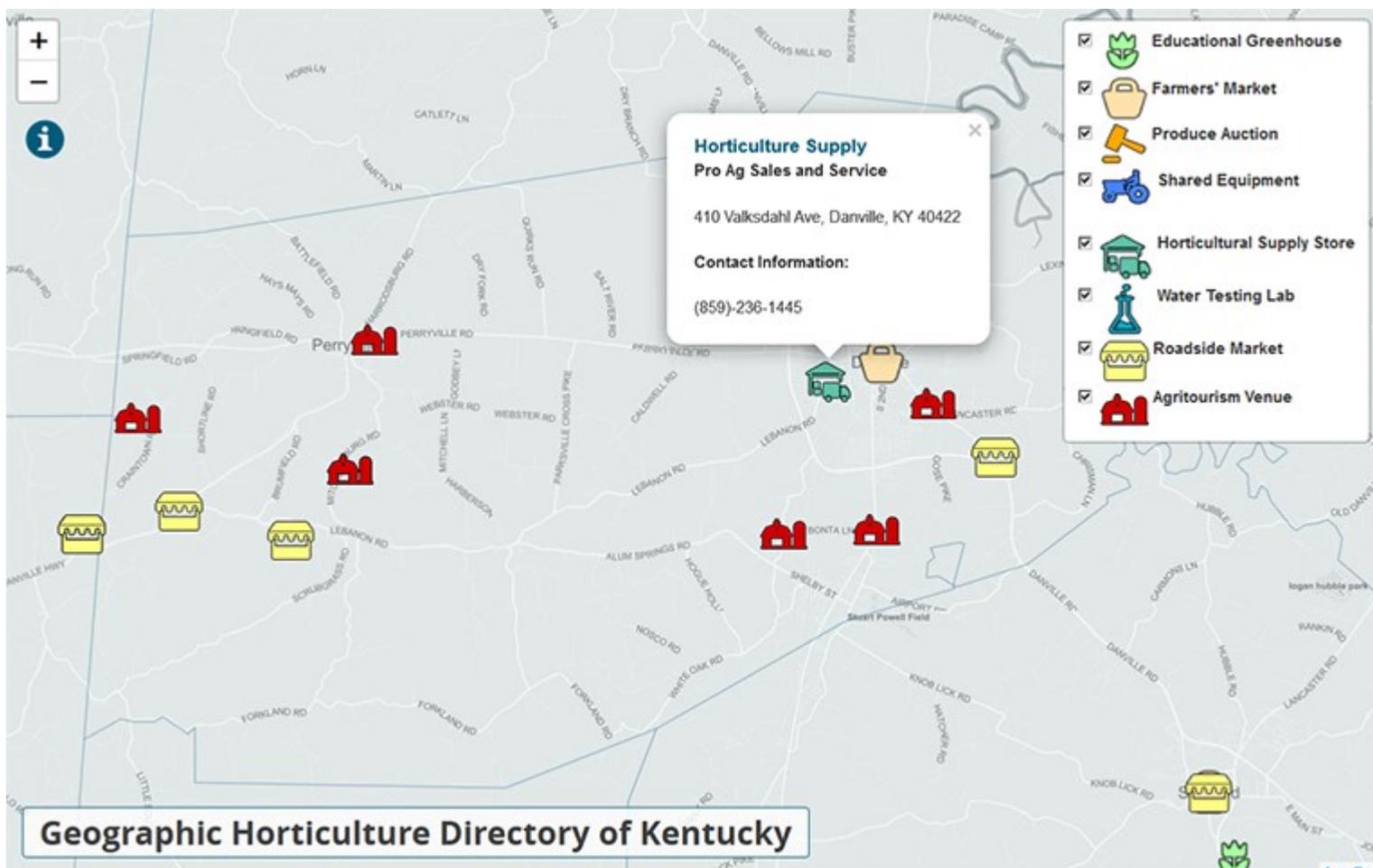
### Geographic Horticulture Directory of Kentucky

This interactive, mobile-friendly directory provides information on where to find and how to contact auctions, farmers markets, water testing labs, shared equipment resources and much more. This directory is still in development with resources being added routinely, with plans to add UK Extension offices, NRCS facilities, grower organization members, and other shared-use equipment.

<http://www.uky.edu/ccd/maps>

At the link above, there is another printable (33" x 15"), high-resolution map of Kentucky showing time zones, counties, county seats, and urbanized areas. Generally speaking, this map is most useful to Extension professionals and other service providers, but is freely made available to the public.

Bookmark this link, as it will connect you with the directory easily but more maps will also be added this year for a variety of topics the grower community may find useful.



## CCD Resource:

### Budgeting Tools

<http://www.uky.edu/ccd/tools/budgets>

Budgets are useful for planning your operation, developing a realistic business plan, applying for financing/grants, and evaluating potential crops. The nursery, greenhouse and ornamental crop budgets available from the Center for Crop Diversification also includes a link to a program developed by the USDA called "Virtual Grower". This program allows a greenhouse operator to calculate energy costs associated with heating using a massive variety of methods and materials. It helps take a lot of the guesswork in considering building and upgrading greenhouse infrastructure.

## Nursery, Greenhouse, and Ornamental Crops

---



**Greenhouse Cost of Production Budgets**, Rutgers Cooperative Extension

- For bedding plants, fuschia, geraniums, New Guinea Impatiens, potted mums and garden mums, from

**Virtual Grower**, USDA

- An energy cost calculator for greenhouse growers.

**Pot-in-pot System Cash Flow Worksheet** (2009), University of Kentucky (.xls)

- Annual Sales Version (2010)

**Ornamental Gourd Production in Kentucky**, University of Kentucky (PDF)

The University of Kentucky's **Nursery Crop Extension Research Team** is based out of two locations across the bluegrass to better serve our producers.

The **University of Kentucky Research and Education Center (UKREC)** in **Princeton** serves western Kentucky producers while our facilities and personnel on main campus in **Lexington** serve central and eastern Kentucky producers.

Check out our [YouTube Channel!](#)

## Contact Us

### Western Kentucky

UK Research & Education Center  
1205 Hopkinsville Street  
P.O. Box 496  
Princeton, KY 42445  
270-365-7541

### Central / Eastern Kentucky

UK Main Campus  
Horticulture Department  
N-318 Ag. Science Center North  
859-257-1273

Visit us on the web at

<https://nursery-crop-extension.ca.uky.edu/>

An Equal Opportunity University | University of Kentucky, College of Agriculture