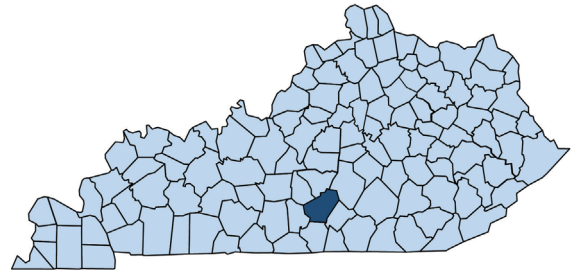


REPORT TO THE PEOPLE



Adair County 2021



DID YOU KNOW...

2022 will be our third year of research on fungicide applications using drones.



Website: adair.ca.uky.edu



Facebook: Adair County Cooperative Extension Service

For More Information, Please Contact us at:
Adair County Extension Office • 270-384-2317 • adair.EXT@uky.edu
409 Fairground Street, Columbia, KY 42728

Agriculture and Natural Resources



Dairy industry produces \$13.2 billion dollars in products each year in Adair County.

315

Beef producers gained information on beef nutrition, animal health, genetics, reproduction, and/or facilities and equipment.

60

Landowners developed or updated an Ag Water Quality Plan.

4-H Youth Development

In 2020, Adair County started a 4-H Bee program. The purpose was to teach youth about all aspects of the bee industry. Topics covered were how to install hives, care of hives, honey extraction, and how to market the final product. Funding to start the project was received from a Kentucky 4-H Foundation Agriculture Mini-Grant, and donations from several adults interested in bees.

Two educational bee hives were started. The program has 10 youth and 4 adult volunteers in the program. Youth participated in monthly meetings and worked with the educational bee hives. Sixty pounds of honey was harvested from one of the bee hives. Club members have built, installed and maintained the bee hives since the start. Adair County has also qualified to be 4-H Bee Ambassador County as part of the project for the last two years. An evaluation of the youth participating showed that 80 percent plan on starting their own bee hives.

In Adair County, the dairy industry produces \$13.2 million dollars in products each year. Mastitis reduces milk quality, and results in a reduction in the amount of milk produced. In 2020, the Adair County Extension Service launched the Adair County Milk Quality Initiative (ACMQI) to improve milk quality amongst dairy farmers. Twenty-six Adair County dairy farms (93%) participated.

The first step was to collect bulk tank samples for culturing. Culturing revealed what mastitis causing organisms existed. From there, a report was developed which included strategies to implement and address the causes of mastitis revealed from the bulk tank culture. Evaluations revealed that 77% of the producers implemented one or more management strategies from the report they received. As a result, producers saw an overall increase in milk quality which has implications for both increased milk production and increased price received for their milk.



Youth learn about all aspects of the bee industry.

250

Number of youth who participated in project, activity, or event for science, engineering, and technology projects (PRACTICE).

300

Number of youth who demonstrated a skill that was learned or improved by practicing in 4-H natural resource programming (PRACTICE).

Family and Consumer Sciences



Extension Homemakers find creative ways to serve its membership and the community.

200

Number of hours KEHA members volunteered in community activities and events.

15

Number of KEHA members who utilized knowledge gained through officer training to fulfill a KEHA leadership role at the club, county, area and/or state level.

NUTRITION EDUCATION

Prior to the COVID-19 pandemic according to 2019 data from the Feeding America website, one in seven Kentuckians were food insecure and those aged 50-59 had the highest rate of food insecurity in the nation. During the pandemic demand on food banks significantly increased as families faced layoffs and cutbacks at work. In response, during the 2020-2021 program year, 78% of SNAP-Ed and EFNEP Nutrition Education Program (NEP) Assistants reported partnering with local food banks to share recipes, newsletters and other materials and resources in food boxes. One SNAP-Ed Assistant reported delivering 100 Emergency Food Assistance cookbooks, 1,250 healthy and easy recipes, 300 Seasoned newsletters and 200 Healthy at Home newsletters to a local food pantry. A recipient said, "I was so happy to see recipes in my food box. Sometimes it's hard to think of ways to use some things you receive. These recipes will help me prepare healthier meals when feeding my family. Thank you." By partnering with food banks, NEP was able to reach hundreds of families throughout Kentucky.

The Adair County Extension Homemakers found creative ways to serve its membership and provide educational opportunities for the community. A series of "grab-n-go" and "drive by" events were held at the Extension Office parking lot and Farmer's Market. Community partners included UK Healthcare, Adair County Health Department, T.J. Samson Hospital, Susan Komen Breast Cancer Foundation, and Adair County Cooperative Extension Service.

Participants gained information on a variety of topics including breast cancer awareness, sun safety, insect protection, as well as gardening and food preservation. Educational materials and items were distributed to over 300 participants.



NOTHING IS OUT OF REACH.



Healthy Families. Healthy Homes. Healthy Communities.



Website: extension.ca.uky.edu



Facebook: @UKCooperativeExtension



Twitter: @UKExtension



YouTube: @UKAgriculture

... just a few ways Extension supports Kentucky

- *23,971 Kentucky youth who participated in a project, activity or event in science, engineering and technology through 4-H programming.*
- *4,890 Kentucky producers adopting new technologies in agriculture production.*
- *3,399 Kentuckians who improved or maintained health from participating in gardening.*
- *3,898 Kentucky families who supplemented their diets with foods they grew or preserved.*
- *4,161 Kentuckians participating in community trail projects.*

COOPERATIVE EXTENSION



University of Kentucky Cooperative Extension

S-107 Ag Science Center North
Lexington, Kentucky 40546-0091
(859) 257-4302

Educational programs of Kentucky Cooperative Extension serve all people regardless of economic or social status and will not discriminate on the basis of race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identity, gender expression, pregnancy, marital status, genetic information, age, veteran status, or physical or mental disability.