

UNIVERSITY OF MISSOURI EXTENSION

Washington County

2023 ANNUAL REPORT



Office of Extension
and Engagement
University of Missouri

OFFICE OF THE VICE CHANCELLOR
FOR EXTENSION AND ENGAGEMENT
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December 2023

Dear county commissioners and friends of MU Extension and Engagement,

Thank you for your important partnership with the University of Missouri Extension this past year.

I want to highlight three areas that address needs you helped us identify.

You may recall that the FY 23 state budget provided a one-time \$5 million infusion to MU Extension for growth. Of that, we allocated about \$3 million for field faculty in the areas of agriculture, 4-H, health/human development and business and community development.

Through a dedicated hiring effort, and thanks to that allocation, we have hired 168 new employees since November 2022. That includes 72 academic/faculty members, most of whom are field specialists in a priority area noted above, and 96 staff members (e.g., office administrators, youth and food and nutrition associates, etc.).

We also returned more faculty to local program delivery that best serves your county's needs, while preserving the partnership and relationship building work you value. Our extension and engagement specialists focus full-time on that work as they serve their assigned multi-county groups. Currently, 19 have been hired, with two more in the pipeline.

Finally, we are prioritizing our work with county extension councils. In the new role of partnership and council development director, Lorin Fahrmeier focuses on strengthening council representation and governance. This role will build stronger links with regional, educational and campus leadership to better identify and address local priorities.

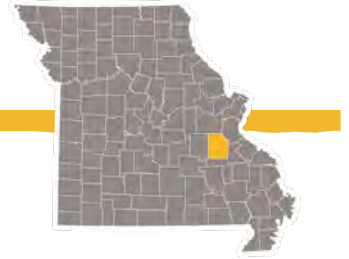
At the UM System level, our engagement work across four universities and with leaders across the state makes a difference in areas of greatest need: broadband, workforce development, health access, food security and healthy futures for our youth.

Your county annual report shows what we are accomplishing together as we Serve Missouri and Deliver Mizzou. We look forward to strengthening that partnership with county commissioners and community stakeholders in the coming year.

Sincerely,

Chad Higgins, PhD
Interim Vice Chancellor, MU Extension and Engagement
Chief Engagement Officer, UM System

Who we are



Faculty and staff

Headquartered in Washington County

Rachel Hopkins, *Field Specialist in Ag Business*
Shawnee Kline, *Office Secretary*
Russell Knobloch, *Nutrition Program Associate*

Headquartered Outside the County

Brianna Anderson, *Field Specialist in Human Dev.*
Janet Braun, *Field Specialist in 4-H Youth Dev.*
Gatlin Bunton, *Field Specialist in Agronomy*
Charles Ellis, *Field Specialist in Ag Systems Tech.*
Kendra Graham, *Field Specialist in Livestock/EES*
Matt Herring, *East Central Regional Director*
Sarah Higgins, *Field Specialist in Natural Resources*
Katie Kammler, *Field Specialist in Horticulture*
Jerry Richards, *Feral Hog Outreach Educator*

Budget

Income

County Appropriations 51,000.00

Total Income 51,000.00

Expenses

Salaries/Benefits 39,035.32

Travel 1,819.00

Telephone 2,921.68

Office Supplies/Service 1,975.23

Rent/Lease Space/Equipment 1,224.70

Insurance 2,137.77

Postage 345.57

Professional Services 587.30

Miscellaneous 200.00

Total Expenses 50,246.57

Under Budget 753.43

Council Members

Appointed

Doug Short, 1st District Commissioner
Jim Reed, Farm Bureau Rep. – *Chair*

District #1

Andy Silvey
Reggie Rowe – Vice Chair
Rexanna Brewer
Gary Reed
Roxanne Bequette – *Treasurer*

District #2

Amy Stringer
Jesse Rowe
Lila Brinley - *Secretary*
Marty Yount
Brian Merkel

Youth Member

Gunnar Merkel

County Commissioners

Presiding

Dave Sansegraw

District #1

Doug Short

District #2

Cody Brinley

MU Extension is a unique funding partnership.

Extension funding is a three-way partnership of federal, state and county government. Federal and state money, through the University of Missouri system, pay professional staff salaries, training costs, computers and communication equipment. County funds support the local office, secretarial and youth assistant salaries, staff mileage and council expenses.

The Washington County Extension Council, faculty and staff would like to express our appreciation to the Washington County Commissioners for their continued support of extension programs.

Local Support

Did you know you can donate directly to Washington County Extension with a gift to be used immediately or as an endowment contribution for long term efforts. Monies put into the endowment are left forever to earn interest with the county office benefiting each year. You can also direct your donation to a specific program such as 4-H or Master Gardeners.

Washington County



University of Missouri System

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UM System Footprint in the county in 2023



FY23 county students

55 students

- 37 Undergraduates
- 18 Graduate and professional students
- 34 Full-time students
- 21 Part-time students
- 16 Pell grant recipients (aid year 2023)



County employees and retirees

7 people employed by UM

- 7 Campuses
- 2 UM retirees and beneficiaries
 UM salary and retirement income: \$277,289
 UM state tax revenue: \$7,622
 UM federal tax revenue: \$38,842



County alumni

Selected school alumni

- 25 Nursing
- 10 Health Professions
- 2 Dentistry
- 3 Optometry
- 4 Veterinary Medicine
- 22 Agriculture
- 31 Engineering
- 3 Law

Alumni teaching K-12

- 28 teachers
- 10.1% of all district teachers
- 3 principals and administrators
- 18.8% of all district principals and administrators



County breakdown

MU

- 23 students
- 106 alumni
- 5 employees

UMKC

- 4 students
- 17 alumni
- 0 employees

Missouri S&T

- 11 students
- 42 alumni
- 0 employees

UMSL

- 17 students
- 135 alumni
- 2 employees



County properties and offices

MU Extension in: Washington County



County population: 23,791



County services provided

Health care (FY23)

- 55 in-state patients seen at MU Health Care, with \$81,770 of uncompensated care
- 3 in-state patients seen at UMSL Center for Eye Care with a statewide average of \$34.82 per patient in uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 80 visits to 39 patients having ZIP codes associated with the county

Extension (2022)

- 512 Total educational contacts from MU Extension to residents of the county, including:
- 64 contacts related to productive farming, better gardening, and managing natural resources
- 448 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development

Washington County



University of Missouri System
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UM System Statewide Footprint

Economic and Community Development Highlights

- In 2022, Business Development Specialists worked with small businesses and entrepreneurs statewide to create or retain 81,645 jobs.



For every dollar invested from 2019 to 2021, the MU Extension Business Development Program has returned \$133 in economic impact for its clients by increasing sales more than \$1.6 billion. For a total impact of \$3.1 billion, the program has generated more than 37,000 jobs and attracted nearly \$451 million in capital investments and \$1.5 billion in government contracts.

- Between FY17 and FY22, UM System brought Missouri more than \$1.46 billion in federal and private research funds, funded primarily from outside the state, but spent within the state.



In FY23, UM System was issued 33 patents and filed 61 new U.S. patent applications.

- In FY23, the UM System awarded 805 design and construction project contracts throughout Missouri, for a total investment of \$279.2 million in the state.



In FY23, to improve access to medical and health related services, MU Health Care's Missouri Telehealth Network's Show-Me ECHO program provided 18,381 hrs of case-based instruction to 2,938 learners located in 112 of 114 Missouri counties and the city of St. Louis.

Education and Training Provided



41,992 police, fire fighters, and medical professionals attending continuing education (2022)



Agriculture and natural resource programs served 174,692 farmers and related businesses (2022)



311,749 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2022)

Education Highlights

FY23 Financial Aid Awards

In FY23, 67.3% of the UM System's 80,702 students received financial aid totaling \$973.7 million

MU		UMKC	
27,256	\$536.0M	11,859	\$217.3M
students receiving financial aid	financial aid awarded	students receiving financial aid	financial aid awarded

Missouri S&T		UMSL	
6,748	\$117.7M	8,489	\$102.8M
students receiving financial aid	financial aid awarded	students receiving financial aid	financial aid awarded



UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 58 higher education institutions (230,000 students), 485 K-12 school districts (832,000 students) and 132 public libraries (serving nearly 3 million Missourians) in 2022.

- UM System awarded 50.5% of the 32,098 Bachelor's or higher degrees awarded by Missouri four-year public institutions in 2022-23.
- UM System awarded 36.6% of the 1,935 research doctorates and 26.9% of the 3,593 professional doctorates awarded by Missouri public and not-for-profit private institutions in 2022-23.
- In FY23, UM System's \$37.9 million in National Science Foundation (NSF) grants represented 88.3% of all NSF grants made to Missouri public colleges and universities.
- In 2023, over 10,900 Missourians accessed mobroadband.org, part of the UM System Broadband Initiative which helped the statewide build-out of high-speed internet infrastructure. MU Extension also supported residents in making individual challenges to the FCC that resulted in \$810,000 in additional funding for the state of Missouri.

Supporting the University of Missouri is an investment in the future of Missouri.

The university advances Missouri citizens and communities through its mission of teaching, research, public service, and economic development across our four campuses and University of Missouri Extension.

Prepared in December 2023, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • MU Institute for Public Policy • Center for Applied Research and Engagement Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU Extension • US Census Bureau • US Dept. of Health and Human Services • National Science Foundation





4-H Activities in 2023

Membership

Washington County served youth through 3 community clubs and 1 summer school experience. Offering long-term educational experience in which members learn life skills such as decision making, public speaking, and working with others.

During the 2022-2023 4-H year Washington County enrolled 84 members. Over 95% were engaged in science related projects and experiences. Approximately 150 exhibits in the exhibit hall and 78 animals in the Washington County Fair from 4-H members in Washington and Iron Counties and FFA members from Washington County, who are also supported through youth programming. The Sale of Champions brought in \$215,842 for the local youth.



As responsible citizens, we promote generosity and community strengthening through service. 900 meals were donated in Washington County through the 4-H Feeding Missouri Initiative



Tim and Mackenzie Pashia and family were among the families honored during the 66th annual Missouri Farm Family Day, August 14th at the Missouri State Fair.

Over 80 hours of community service projects were completed by 4-H members and volunteers.

4-H School Enrichment – Agriculture on the Move

During the Agriculture Education on the Move Program, students gain an understanding of today's agriculture and farm families through diverse learning experiences. Participating youth had the opportunity to learn about crops, livestock, soil and water conservation, nutrition, and agricultural career opportunities.

This program provided 20 combined hours of science and nutrition related programming for 250 Washington County students presented by Extension faculty and staff in conjunction with the classroom teacher. The experience provided students the opportunity to apply skills already learned in a practical, real-world situation, which helps them to see the value and application of topics learned through formal education.

Agriculture 2023

Cattle Grading Workshop

Producers always wonder what grade and frame their cattle are and why some sell higher than others. The “Cattle Grading Workshop” was a multi-agency workshop that helps to unravel some of the mystery behind “why” cattle bring what they do.

Sixty-six people attended the workshop which was held at the South Central Regional Stockyards.

Lonnie Peets, USDA Market Reporter and Tony Hancock, MDA Market Reporter went through explaining and evaluating different feeder calf grades and cull cow grades. Rachel Hopkins, MU Extension Agricultural Business Specialist went through different options with producers on feeder calf scenarios and different ways to add value to cull cows.



Rachel Hopkins speaking at the Cattle Grading Workshop held in Vienna.

Washington County Rural Safety Day

In late September, 250 third grade students from Washington County Schools came to the Potosi City Park to participate in Rural Safety Day. Growing up in a rural setting, safety is always a high concern. Washington County Extension partners up with Washington County Farm Bureau to offer this yearly program.

Many local organizations and area Extension personnel host a large variety of presentations for students to see. Ranging from large animal, chainsaw, ATV, electric, weapon, highway patrol, fire, and large equipment.

The participating schools included Richwoods, Kingston, Potosi, and Caledonia. Teachers, students and administration were excited to see what the day had to offer.

“During 2023, phone calls, emails, walk-ins and farm visits were conducted serving citizens in 15 counties in the topics covering general agriculture and agricultural business. Topics ranged from how to add value to thin cows, rental rate questions and inquiries, written lease documents, hay pricing, how to take a hay sample, cow culling strategies, cost share programs, different types of business entities.”

-Rachel Hopkins, Ag Business Specialist



Youth absorbing information from a session at the Rural Safety Day.



Agriculture Highlights Continued...

East Central Show-Me-Select Heifer Program

The Show-Me-Select replacement program created in 1998, focuses on educating beef cattle farmers about best management practices related to heifer development. Local veterinarians and MU Extension livestock specialists work with producers to create a reliable source of replacement heifers in terms of genetics and management.

- Two sales were held in St. Francois County in 2023 reaching 135 producers from 17 counties in Missouri and 2 adjoining states.
- Gross revenue for the Farmington Show-Me-Select sales were \$583,000 in 2023



Show-Me-Select heifers consigned to the East Central sale.

Drought Issues

Drought affected the entire state of Missouri in 2023. Emergency issues like drought bring out the best in MU extension and demonstrates how essential and effective we are to the communities.

- 93 participants attended a meeting in Ste. Genevieve, Franklin, or Lincoln Counties focusing on managing cattle through the drought.
- 32 quick nitrate tests were performed, and 8 feed rations formulated to help producers feed their animals through the drought.
- 43 producers were helped through consultations, phone calls, and farm visits related to the drought.

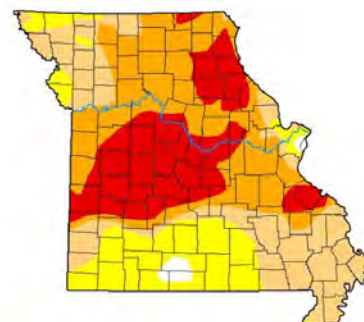


Raising a Small Flock for Egg Production

This program reached 108 participants across Missouri. 35% of the participants were beginning poultry flock owners. Returned surveys from the program indicated 100% of respondents learned something from the program and can use the information on their operations.

U.S. Drought Monitor

Missouri



Horticulture

Katie Kammler
Horticulture Specialist
573-883-3548
kammlerk@missouri.edu



Serving Ste. Genevieve, St. Francois, Washington, Crawford, Dent,
Gasconade, and Franklin Counties

2023 AT A GLANCE

- 3689 direct contacts through programming where participants are actively engaged in the learning process. Programs included home vegetable gardening, commercial organic specialty crop production, Garden Hour with MU Extension, bug bingo, plant diseases, pumpkin production, weed control, and many more.
- 757 requests for horticulture information through calls, emails, walk-ins or site visits from 28 counties and 6 states.
- 2200+ subscribers to the monthly Garden Spade newsletter with a 15% increase in subscriptions during 2023. Topics include insects, weeds, landscape plants, trees, fruit, vegetables and much more.
- 6,200+ viewed the horticulture MU IPM YouTube video for commercial producers.



Desk top hydroponic units in my office, growing tomatoes, lettuce, kale, and bok choy. Hands-on learning about hydroponics allows me to better help clients.

KEY SUCCESSES

- ✓ Commercial Pesticide recertification provides participants with knowledge on pesticide handling, safety, restricted use, disposal, contamination, labels, and guides.
- ✓ Clients learned how to follow the fruit tree spray guide, resulting in a bumper crop of apples to share with the neighbors.
- ✓ Garden Myths program dispelled numerous myths so gardeners can have better gardens.
- ✓ Participants in Weed Warfare program learned that weed identification is the key to successful control measures.
- ✓ Many soil tests results have excess phosphorus and potassium. Provided clients education on “loving” their plants to death—saved clients money and the environment by not over applying fertilizers, manures, composts, & organic matter.



Bug Bingo with high school students to learn insect identification, pests vs. beneficial insects.



Health & Well-being

Nutrition Program Associate – Russel Knobloch

The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$10,874,798 in federal funds to Missouri. During FY2023, Missouri’s SNAP-Ed program reached over 78,000 Missourians through direct classroom education. Each person participated in an average of 6 hours of education totaling over 15,000 hours. In addition, an additional 760,135 persons participated in indirect education. Direct and indirect education resulted in over 1.8 million total contacts with Missourians.

Participants in SNAP-Ed learn the importance of making healthier meals and snack choices, eating breakfast more often, are more willing to try new foods, increase their physical activity, and make healthier food choices. Those who practice healthy eating and are physically active are more likely to contribute to a healthy labor force and enjoy a high quality of life throughout the lifespan. This vital programming effort also reduces healthcare costs over the participant’s lifetime, saving taxpayer money in reduced public healthcare benefits and insurance premiums.

“A parent of a third grader reached out to me recently, sharing how her child was actively trying to keep track of his daily activities just as he had learned in the third grade Show Me Nutrition curriculum, with the lesson series called Building My Body.”



2023 Washington County Nutrition Contact Summary: 820 Youth & 3,520 Adults

Chronic Disease Self-Management

MU Extension Human Development Specialist Breanna Anderson and MU Extension Nutrition & Health Specialist Estrella Carmona partnered with the Sayers Senior Center in Potosi to deliver this 6-week program to 6 participants. The group met weekly to learn about topics and develop self-management skills such as problem solving, communication, breathing techniques, healthy eating, physical activity, action planning and more.

“As a caregiver, I sometimes forget to take care of myself too. Being in this class helped me realize that I need to prioritize MY needs sometimes and it is okay to do that.”

“I am going to make sure I come back to the senior center and join lunch so I can be more social. I was struggling with this but being in the program helped me feel more comfortable in coming.”

