



UNIVERSITY OF MISSOURI EXTENSION

Henry County

2023 Annual Report

120 East Lincoln
Clinton, MO 64735
660-885-5556

**SERVE
MISSOURI.**

**DELIVER
MIZZOU.**



Extension
University of Missouri

an equal opportunity/ADA institution



Office of Extension
and Engagement
University of Missouri

OFFICE OF THE VICE CHANCELLOR
FOR EXTENSION AND ENGAGEMENT
108 Whitten Hall
Columbia, MO 65211
PHONE 573-882-2394
EMAIL: cchiggins@missouri.edu

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

Henry County Extension Leadership

Henry County Extension Council Members	Henry County Commissioners	Extension Faculty and Staff Headquartered in Henry County	Additional Faculty and Staff Serving Henry County
<p>Alice Huenefeldt <i>Chair</i></p> <p>Daniel Wilson <i>Vice Chair</i></p> <p>Susan Maggi <i>Secretary</i></p> <p>Jeremy Campbell <i>Treasurer</i></p>	<p>Jim Stone <i>Presiding Commissioner</i></p> <p>Rick Fosnow <i>Northside Commissioner</i></p> <p>Dale Lawler <i>Southside Commissioner</i></p>	<p>Travis Harper <i>Field Specialist in Agronomy</i></p> <p>Kayla Alley / Delaney DeHart <i>4-H Youth Program Associate</i></p> <p>Debbie Dody <i>Nutrition Program Associate</i></p> <p>Verlinda Talley <i>Office Manager</i></p>	<p>Ramón Arancibia <i>Horticulture Specialist</i></p> <p>Amie Breshears <i>Agriculture Business Specialist</i></p> <p>Kyleigh Brown <i>Field Specialist in Human Development</i></p>
<p>Joshua Bullock</p> <p>Melissa Batusic</p> <p>Deborah Day</p> <p>Alex Engeman</p> <p>Donna Engeman</p> <p>Keon Engeman</p> <p>Dana Hall</p> <p>Caraline Hill</p> <p>Jim Huenefeldt</p> <p>Curtis Mills</p> <p>Travis Smith</p> <p>Megan Swaters</p> <p>Jaime Woods</p>			<p>Kim Hall <i>4-H Youth Specialist</i></p> <p>David Hoffman <i>Livestock Specialist</i></p> <p>Wayne Prewitt <i>West-Central Regional Director</i></p> <p>Elaine Anderson <i>Extension Engagement Specialist</i></p>

The Travis and Whitney Smith Family 2023 Henry County Farm Family

2023 Century Farm Families

Eric and Megan Warren of Calhoun have 120 qualifying acres on their Century Farm. The original owner was Great-Great Grandfather Gottlieb F. Scheele, who acquired the land in 1878.

Fred and Aletta Swaters of Appleton City have 120 qualifying acres on their Century Farm. The original owner was Grandfather Peter J. Mayer, who acquired the land in 1907.

Budget and more

Appropriations budget

Income

County Appropriations	66,957
Total Income	\$66,957

Expenses

Salaries/Benefits	52,312
Travel	2,472
Telephone	3,324
Postage	1,000
Advertising	150
Office Supplies/Services	4,478
Insurance	2,215
Repairs/Equipment	1,006
Total Expenses	\$66,957

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



Local Support

Did you know you can donate directly to Henry 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.

UM System County Impacts

2024 UM Systemwide Impact Data Sheets

Henry County



University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

UM System Footprint in the county in 2023



FY23 county students

65 students

- 53 Undergraduates
- 12 Graduate and professional students
- 51 Full-time students
- 14 Part-time students
- 15 Pell grant recipients (aid year 2023)



County employees and retirees

8 people employed by UM

- 5 Campuses
- 3 MU Health Care

8 UM retirees and beneficiaries

UM salary and retirement income:
\$484,719

UM state tax revenue: \$12,748

UM federal tax revenue: \$73,880



County alumni

Selected school alumni

- 9 Medicine
- 8 Nursing
- 26 Health Professions
- 12 Dentistry
- 14 Pharmacy
- 4 Veterinary Medicine
- 69 Agriculture
- 41 Engineering
- 23 Law

Alumni teaching K-12

- 12 teachers
- 4.7% of all district teachers
- 1 principal or administrator
- 5.0% of all district principals and administrators



County breakdown

MU

- 37 students
- 234 alumni
- 5 employees

UMKC

- 14 students
- 112 alumni
- 0 employees

Missouri S&T

- 8 students
- 28 alumni
- 0 employees

UMSL

- 6 students
- 4 alumni
- 0 employees



County properties and offices

MU Extension in: Henry County



County population: 21,884



County services provided

Health care (FY23)

- 339 in-state patients seen at MU Health Care, with \$179,058 of uncompensated care
- 1 in-state patient seen at UMSL Center for Eye Care with a statewide average of \$34.82 per patient in uncompensated care
- 23 in-state patients seen at UMKC School of Dentistry with a statewide average of \$43.61 per patient in uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 69 visits to 46 patients having ZIP codes associated with the county

Extension (2022)

- 41,051 Total educational contacts from MU Extension to residents of the county, including:
- 646 contacts related to productive farming, better gardening, and managing natural resources
- 40,405 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development

UM System County Impacts

2024 UM Systemwide Impact Data Sheets

Henry County



University of Missouri System
COLUMBIA | KANSAS CITY | ROLLA | ST. LOUIS

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.

\$3.1 billion

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)



31,749 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



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.

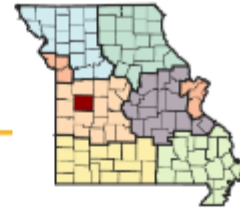
Prepared in December 2023, based on the best available and most recent data. Data Sources include: Missouri Office of Administration • UM IR • MU Institute for Public Policy • Center for Applied Research and Engagement Systems (CARES) • MU • UMKC • Missouri S&T • UMSL • UM System • UM Health Care • MU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



Grand Challenges

Missouri Grand Challenges: Local Solutions

HENRY COUNTY



Knowing Missouri's Needs

MU Extension asked Missourians to share the greatest challenges they and their communities face.

We heard that feedback and made big changes in the way we work with council and local partners to improve lives. Locally, a network of county engagement and subject matter specialists now share MU's knowledge, research and engagement, targeting programs, information and assistance in:

- agriculture and environment
- youth and family
- business and community
- health and safety

For each grand challenge, MU Extension and Engagement targets a specific gain by 2023:



Economic opportunity

Increase MU Extension and Engagement's economic impact to the State of Missouri from \$1 billion to \$1.5 billion overall, and from \$88 billion to \$100 billion in agriculture, the top economic sector



Educational access and excellence

Increase participation in postsecondary education from 66% to 70%



Health and well-being

Improve Missouri's health ranking from 40th to 35th in the nation

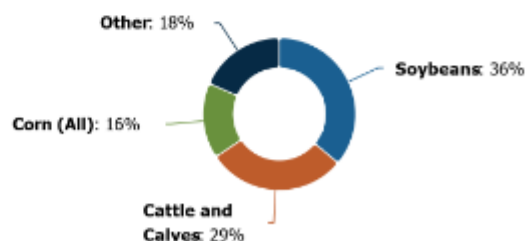
Knowing Local Challenges



CHALLENGE 1: Economic Opportunity: *Agricultural Economics*

Leading Agricultural Products

Total Commodity Sales: \$98,712,000



Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2017.

Net Farm Income

Net farm income (total sales, government payments, and other farm-related income minus total farm expenses) reflects the strength of the local agricultural community and can be an important measure for lenders and policy makers. The report area had a combined net farm income of \$26,310,000 in 2017, an average of \$29,298 per farm. This is below the statewide average farm income of \$29,485.

Report Area	Total Farms	Average Farm Income
Henry	898	\$29,298
Missouri	95,320	\$29,485

Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2017.

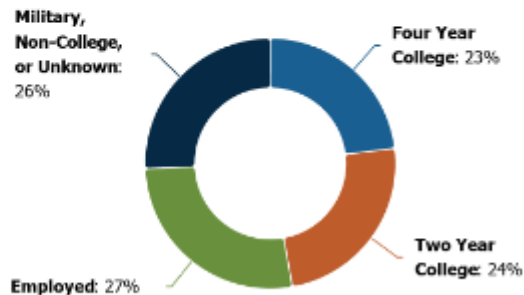
Grand Challenges



CHALLENGE 2: Educational Access and Excellence: *College and Career Readiness*

Post High School Report

The 12-month post-graduation activity of recent high school graduates can inform communities about postsecondary education, career readiness, and characteristics of the future workforce. In 2022, of 195 graduates surveyed in the report area, 45 went to a four-year college, 47 to a two-year college, 53 directly entered the job market. The remaining 50 are reported as in the military, not in college, or unknown.



Data Source: [Missouri Department of Elementary & Secondary Education](#), 2022.



CHALLENGE 3: Healthy Futures: *Access to Care*

Mental Health Care Providers

Mental health is a critical public health issue worldwide. Access to mental health services is a challenge across Missouri, which ranks 46 out of 51 states in provider access. In the report area there are approximately 52 credentialed professionals providing mental health care to serve the area's 21,946 residents. The patient-provider ratio in the report area is 422 to 1, which means there is 1 provider for every 422 persons. The ratio of persons to providers in the report area is lower than the state average of 855:1, which means there are more providers per person in this area.

Ratio (Population to Providers)

422:1

Henry

Missouri

855:1

Primary Care Providers

Older adults make up a historically large percentage of the U.S. population and meeting the healthcare needs of an aging population can be challenging. In the report area, there are approximately 15 primary care physicians (MDs and DOs) to serve the area's 4,738 residents over the age of 65. The patient-provider ratio in the report area is 316:1, which means there is 1 provider for every 316 older adults. The ratio of adults to providers in the report area is higher than the state average of 242:1, which means there are fewer providers per person in this area.

Ratio (Population to Providers)

316:1

Henry

Missouri

242:1

Data Source: Centers for Medicare and Medicaid Services, [CMS - National Plan and Provider Enumeration System \(NPPES\)](#), December 2023.

Data Source: US Department of Health & Human Services, Health Resources and Services Administration, [HRSA - Area Health Resource File](#), December 2023.

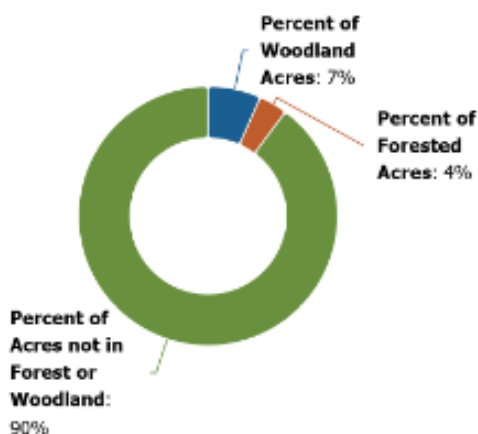
Grand Challenges



CHALLENGE 4: Agricultural Growth & Stewardship: *Land Use*

Forested, Woodland & Non-forested Acres

Sustainable management of forests and woodlands and harvesting of mature trees support the state's \$10.3 billion forest products industries. Forests have a closed canopy (>80% cover) permitting little light to penetrate to the ground below. They consist of several overlapping layers of trees, with a mid-story and understory comprising a variety of shade-tolerant shrubs and a sparse layer of soft-stemmed plants. Woodlands have a more open canopy (30-80% cover), and their sparse, woody mid-story allows more sunlight to reach the ground. This light permits the growth of a dense ground cover containing a variety of wildflowers, grasses and sedges. Fire plays a large role in maintaining woodland habitats.



Data Source: Multi-Resolution Land Characteristics Consortium, [National Land Cover Database](#).

Recreational Land Acres

The recreational land use data documents Missouri land under federal, state or local government control with open or restricted access to the public. Land with no access is not included.

Acres in Protected Area

420

Missouri 1,791,829

Henry

Data Source: [United States Geological Survey \(USGS\) Protected Areas Database](#). 2023.



CHALLENGE 4: Agricultural Growth & Stewardship: *Soils Testing*

Recent public initiatives and USDA programs are putting a focus on producers to improve the health of their soil. The USDA-NRCS defines soil health as the continued capacity of the soil to function as a vital, living ecosystem that sustains plants, animals and humans. A variety of practices can improve soil health, including regular monitoring, sampling and testing protocols. The MU Soil and Plant Testing Laboratory provides testing and unbiased, research-based recommendations for economically viable and environmentally safe nutrient management practices across Missouri.

Report Area	Agriculture	Home and Garden	Community Areas	Research	Total
Henry	132	18	3	0	153
Missouri	11,785	4,192	315	3,708	20,000

Data Source: [University of Missouri Extension Soil and Plant Testing Laboratory Annual Summary](#). 2022.



MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs

Missouri 4-H for ages 8 – 18



4-H's Leadership and Civic Engagement programs foster understanding, confidence and decision-making skills to empower youths to become informed and active young citizens. 4-H civic engagement initiatives prepare young people to become future leaders by engaging them in programs where they have voice and influence.



Community clubs are organized by volunteer club leaders and teams of recognized volunteers. Members attend club meetings, elect officers, enroll in projects and plan learning and community service activities. Some clubs opt to be single-project clubs, where all members focus on the same project.



4-H Natural Resources programs employ hands-on activities in climate science, environmental sustainability, renewable energy, sportfishing and wildlife conservation. The **Shooting Sports program**, which teaches marksmanship, safe firearm use, hunting and archery principles, is a prime illustration of how 4-H programs promote holistic youth development and responsible citizenship. Supported by caring adult leaders, these programs offer opportunities to cultivate life skills, self-worth and conservation ethics.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Henry County

Missouri 4-H

Local Impact

Youth Program Associate, Delaney DeHart in lieu of Kayla Alley

Positive Youth Development

4-H is America's largest youth development organization- empowering nearly six million young people with the skills to lead for a lifetime. The mission of 4-H is to give young people access to opportunity. Through 4-H, youth members complete hands-on projects in areas like health, science, agriculture, and civic engagement. 4-H'ers are four times more likely to give back to their communities, two times more likely to make healthier choices, and two times more likely to participate in STEM activities. (National 4-H Council, 2023)

Henry County 4-H



Henry County is home to five 4-H clubs: the CCA Patriots, Clinton Cool Cats, Clinton Cougars, Montrose Busy Beavers, and Shawnee Indians. In 2023, Henry County 4-H clubs reached a membership of 151 club members, 47 clover kids, and 50 volunteers. Members of Henry County 4-H learn by doing under the guidance of adult volunteers who teach projects including foods, cake decorating, arts and crafts, photography, woodworking, and shooting sports, just to name a few. Members also work with their clubs to complete community service and other educational activities and trips.

Fundraising

This year, Henry County 4-H participated in two fundraising events including our Annual 4-H Carnival and Spring Auction. Each fundraising event helps raise money to give scholarships to graduating 4-H members. Between the 4-H Carnival and Spring Auction, Henry County 4-H raised a total of \$5,601.12 to use for scholarships and other 4-H activities throughout the year.



Henry County

Missouri 4-H

Local Profiles and Stories

4-H Camp

Each summer, Henry County 4-H members have the opportunity to attend 4-H Camp at Camp Bobwhite in Knob Noster. 4-H Camp is a memorable experience that allows members to build lifelong friendships with 4-H'ers from other counties and participate in fun activities throughout the week. Members participate in science experiments, archery, community service, STEM activities, and more. In 2023, we had 22 campers, and 11 camp counselors attend 4-H Camp.



Community Service

Community service is a staple of 4-H, teaching youth about the importance of giving back, improving our communities, and developing innovative solutions to solve problems. This year, Henry County 4-H'ers participated in the annual 4-H Feeding Missouri program by completing our county's "Fill-a-Ford" food donation project. Each club is responsible for hosting their own food drive and compiling all their donations to help fill the bed of a Ford pickup truck.



Henry County

Missouri 4-H

Local Profiles and Stories





MU EXTENSION **Serves MISSOURI and Delivers MIZZOU**
 through credible statewide programs
Agriculture and Environment

“A lot of veterans come right out of the service and may feel disconnected and may be struggling with finding job opportunities. The Heroes to Hives program offers a diversion as well as opportunities.”

Eric Work, Heroes to Hives participant



Two programs provide resources to socially disadvantaged farmers and ranchers in Missouri.

The Missouri AgrAbility Project supports the independence of farmers and ranchers with disabilities.

Heroes to Hives offers free professional training in beekeeping to veterans, promoting financial and personal wellness through community development.



Management-intensive grazing involves dividing large fields into smaller paddocks and systematically rotating livestock among them. Producers who attend grazing schools learn how to reduce costs through improved livestock, grazing and pasture management while getting insights into fencing, watering systems and grazing system design.

The annual impact of management-intensive grazing is estimated to be \$125 MILLION per year in Missouri.



The Missouri Master Gardener program

enables people of all ages to get in-depth horticultural training and then apply what they've learned to improve their communities and educate others about gardening.



In 2022, almost 4,000 Missouri Master Gardeners completed over 133,000 VOLUNTEER HOURS throughout the state.

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Henry County

Agriculture and Environment

Local Profiles and Stories

Travis Harper, Agronomy Field Specialist



300 Days of Grazing Conference – MU Extension agronomy, livestock and ag business specialists held a grazing conference called “300 Days of Grazing” in June 2023. The purpose of this conference was to help farmers develop ways to extend the grazing season and reduce the need for stored or purchased feeds. The conference featured speakers from Missouri, Nebraska and Arkansas and had approximately 60 participants.

Nitrate Testing – Forages experiencing drought stress have a tendency to accumulate high levels of nitrate, which can be toxic to livestock. MU Extension in Henry County tested more than 500 forage samples in 2023 to determine whether forages were safe to feed to cattle, saving producers from significant animal loss.

Heroes to Hives – Heroes to Hives is a statewide program offered through Michigan Food and Farming Systems (MIFFS) and University of Missouri Extension that seeks to address financial and personal wellness of veterans through professional training and community development centered around beekeeping. It features hands-on training from University of Missouri Extension at our teaching apiaries in Warrensburg, Mt. Vernon and Poplar Bluff. In 2023, our third year, had 249 veterans from all across Missouri participate.



Henry County

Agriculture and Environment

Local Profiles and Stories

David Hoffman, Livestock Field Specialist

Animal Health and Production

Henry County livestock producers (235) participated in University of Missouri Extension Animal Health and Production programs that provide relevant, reliable and timely educational resources that has the potential to improve their production system, increase the economic impact while sustaining their natural resources. Such programs include the Missouri Show-Me-Select Bred Heifer Program, Beef Cattle Production Systems, Reproductive Management (more than 500 head of cows and heifers artificially inseminated), Forage Management and Utilization, Enhanced Record Keeping and general livestock production.

Many producers gained knowledge regarding drought-related issues (nitrates, prussic acid, alternative feeds, supplementing low-quality forages, etc.) 4-H and FFA youth involved in livestock production attended programs related to Show Me Quality Assurance training and received requested assistance on livestock project management. Producers were reached via farm visit, office visits, workshop, phone and/or email. Livestock producers gained knowledge and/or skills to incorporate management changes in their livestock operation that have the potential to increase the economic impact and improve sustainability of their operation while maintaining their natural resources.

A large of prospective buyers attended the West Central Missouri Show-Me-Select Bred Heifer Sale at Kingsville Livestock Auction in November 2023. Show-Me-select heifers commanded an average sale price of \$2883.00 per head.



Henry County

Agriculture and Environment

Local Profiles and Stories

Ramón Aranicibia, Horticulture Specialist

MU Extension Specialist based in Bates County to service 9 counties in the West Central Region. As the Field Specialist in Horticulture, the priority is to address the concerns of specialty crop growers in the west central region and statewide in collaboration with other regional specialists.

Face to face farm visits was the main contact method with Amish/Mennonite growers since they don't have access to computers or social media. However, face to face visits as well as phone and emails were contact methods with other produce growers and homeowner. Among the main concerns addressed were soil test results and fertilizer recommendations, soil-borne diseases, foliar diseases, and pesticide use. In addition, assisted produce growers with sampling and submission of samples for plant disease identification and management recommendations.

Information generated from two studies funded by the Missouri Department of Agriculture on sweet potato and watermelons and other specific topics were extended to specialty crop growers. Materials include video posts in **YouTube MUIPM** (<https://www.youtube.com/@MUIPM>) **Horticulture and Garden Hour** (<https://ipm.missouri.edu/townHalls/>), and through printed articles in the **MO Produce Growers Bulletin** (<https://ipm.missouri.edu/MPG/>) and the American Society for Horticultural Science (<https://ashs.org/>), **HortTechnology**. Other venues were in person seminars and conferences with growers and garden clubs, and online webinars as well as Q&A sessions (MU Extension Garden Hour). Coordinated three tracks in the **2023 Great Plain Growers Conference** (GPGC) (<https://www.greatplainsgrowersconference.org/>) and became the chair of the 2024 GPGC organizing committee. And as MU Horticulture team member, co-coordinated and presented in two webinars: Organic Agriculture Production and Protected production of specialty crops. In addition, gave 7 seminars in person to county garden and master gardeners clubs in the West Central region, and contributed to the weekly Q&A sessions of the Garden Hour (<https://ipm.missouri.edu/townHalls/>).

Extending information and assisting produce growers in their farms are expected to increase local production and the sustainability of the industry.

Planning and upcoming events

1. Engage with growers on a new grant to manage soil-borne diseases in high tunnels.
2. Conduct series of workshops on gardening and hydroponics in covered counties.
3. Bates Co. Soil and Water Conservation District
4. Direct client consultations (farm visits)
5. Train farmers on food safety
6. Chair of the 2024 GPGC and contribute with presentations.
7. Publications

Henry County

Agriculture and Environment

Local Profiles and Stories

Ramón Aranicibia, Horticulture Specialist, Continued

MO direct contacts		1858
MO indirect contacts		57,591
Farm visits/consultations		101
Phone consultations		106
Email consultations		233
	Presentations /Sessions	Contacts
Presentations/workshops/field days		
Great Plains Growers Conference (Veg. Prod. Moderator/ <u>spkr</u>)	3	296
Montevallo Produce auction.	1	23
County garden/master gardener club meetings	6	74
Career Exploration Day	1	210
Courses/trainings:		
Food Safety Modernization Act – PSA training	3	118
Master Gardener Core Training Kansas City and surroundings	15	327
Master Gardener Laclede	10	183
Commercial Vegetable Production Webinar (online)		
Production in tunnels	2	61
Organic production	1	26
Website/Social Media		
Articles MPG July 2022 (MU Extension website and print)	1	626
Commercial Hort. Video Newsletter (YouTube-MUIPM)	1	418
Garden Hour with MU Extension (Statewide online, YouTube-MUIPM)	32	2429
Development RSVP AmeriCorps (Bates)	1	1930
Soil and Water Conservation District (Bates)	10	63
4-H Vegetable Contest Judge (Bates)	1	16
Farmers Market consultations (Henry, Benton, Cass, Polk, Vernon, Cedar, Laclede, Dallas)	14	58
Grants/studies		
NC-SARE Fusarium biocontrol		
Development RSVP Americorp		



MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs **Business and Community**



The **APEX Accelerators** (formerly known as Procurement Technical Assistance Centers) were created in 1984 by the Department of Defense to help businesses navigate the government marketplace. Since 1989, MU Extension has hosted the Missouri APEX Accelerator as a business development partner program. The mission of the program helps businesses learn how to expand their market by selling goods and services to local, state and federal government entities.

From Aug. 1, 2022, to July 31, 2023, the Missouri APEX Accelerators reported over 900 NEW CLIENTS, 4,700 COUNSELING HOURS and OVER 10,000 CONTRACTS AWARDED.



Missourians from all walks of life celebrated the **2023 Missouri Good Neighbor Week**, Sept. 28 to Oct. 4, by completing and reporting neighboring acts and nominating others as the most engaged neighbors in their counties.

In 2023, the goal was to document 15,000 acts of neighboring. That goal was surpassed with 19,752 Missourians being positively affected during MISSOURI GOOD NEIGHBOR WEEK.



DEMOGRAPHIC, ECONOMIC AND WORKFORCE DATA TRAINING

MU Exceed offers customized data training. Participants learn how to use public data through hands-on exercises and demonstrations.

In 2022, Exceed provided data training to MORE THAN 200 MISSOURIANS. 95% of the attendees said that the information they learned was useful to their work.

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Henry County

Business and Community

Local Impact

Amie Breshears, AgBusiness Specialist



MU Value-Added Meats Team – Small Ruminant Fall Field Day

Amie is part of the MU Extension Value-Added Meats Team, led by Kyle Whittaker and Jennifer Lutes. We performed a Meat Cutting Demonstration at the Lincoln University Cooperative Extension Small Ruminant Fall Field Day Meat Processing Workshop at Carver Farm on October 5, 2023. Workshop participants learned to identify lamb carcass primals and retail meat cuts; use tools such as meat saws, grinders, and knives to process meat; and pros and cons of marketing livestock through auction vs. selling meat direct to consumers. The lamb was processed and grilled for lunch

Farm Tax Workshops

University of Missouri Extension ag economics department and ag business specialists worked together to coordinate one summer and three fall tax schools. The summer school was in person and live online. Fall schools were in Columbia and Springfield and in addition a was online. The schools were designed for those who prepare taxes including enrolled agents, tax preparers, CPAs, individuals, and attorneys.

The December 12th training included updates on legislation, rulings and cases, individual taxpayer issues, agricultural and natural resources topics, ethics, trusts and estates, agriculture and natural resource tax issues, business tax issues, business entity tax issues, IRS issues, penalties and defenses, form 4797 sales of property, retirement tax issues, like-kind exchange issues. The schools were approved for 8 and 16 hours of continuing education credit by the IRS, Missouri Bar and for CFP continuing education. Total continuing education hours reported to IRS for the schools was 3,336 hours.

The teaching teams included a CPA and former IRS stakeholder liaison, an IRS certified retired ag economics professor, an attorney, Missouri Department of Revenue and extension ag business specialists.

The resources for the schools included the IRS, the National Income Tax Workbook from the Land Grant University Tax Education Foundation, and materials written by the instructors. There were three hundred twenty-seven in the 2023 tax school. The participants were from throughout Missouri.





MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs **Community and Professional Health Education**



Rural Immersion Program is an opportunity for medical students interested in rural practice to gain experience in the rewards and challenges of working and living in a rural community, examining rural health disparities and quality of life concerns within a specific region. Group activities and meetings with community leaders in business, government, education, health care and natural resources give students a preview of life in a rural area.



All of the 2023 participants agreed that the Rural Immersion Program significantly contributed to them **FORMING INSIGHTS** on the suitability of living and working in a rural community, both personally and professionally.



The **Diabetes Prevention Program** is a CDC-recognized program provided by licensed lifestyle coaches to prevent type 2 diabetes. Through lifestyle coaching participants can achieve sustainable weight loss, increase in physical activity and learn coping skills to manage stress.



More than 1 IN 3 PARTICIPANTS
have reached the
5 - 7% WEIGHT LOSS GOAL.



The **Missouri Research-Extension (MO-RE) Protocol** program focuses on strengthening the bridge between leading scientific research and community-based practice by creating a dissemination and implementation protocol that will facilitate acceleration of relevant knowledge into the most vulnerable Missouri communities through Community Health Engagement and Outreach.



Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



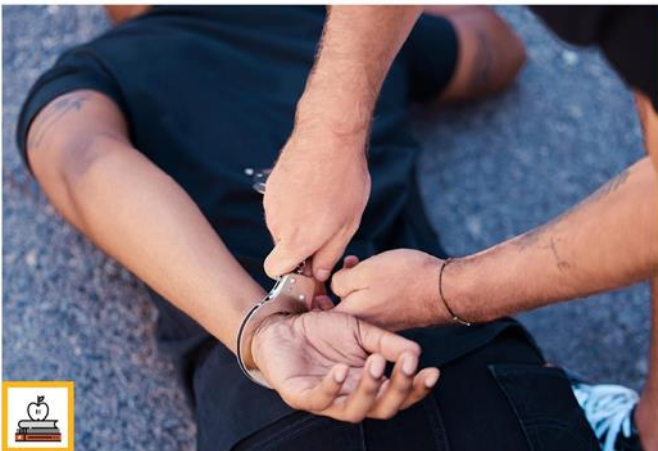
Health & Well-Being



MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs **First Responder Education**



The **Aircraft Rescue and Fire Fighting** (ARFF) program provides specialized fire training for Federal Aviation Administration (FAA) certificated airports. The program uses a Mobile Aircraft Fire Training simulator to provide realistic on-site fire and rescue training at airports. The program supports commercial service airports, which are required to provide recurring ARFF training for their airport firefighters.



The **Law Enforcement Training Institute** (LETI) offers advanced training on a wide variety of topics, including defensive tactics, firearms, use of force and de-escalation. LETI offers customized programs for all required continuing education areas of concentration.



The programming from the **MU Fire and Rescue Training Institute** (FRTI) is available to all qualified fire and emergency first responders. Seventy percent of courses are held at the local departments or agencies. With most of the state's fire service personnel considered volunteer or part-time, this local access and flexibility assures training opportunities for all firefighters and emergency responders.

Legend



Agricultural Growth
& Stewardship



Economic
Opportunity



Educational
Access &
Excellence



Health
& Well-Being

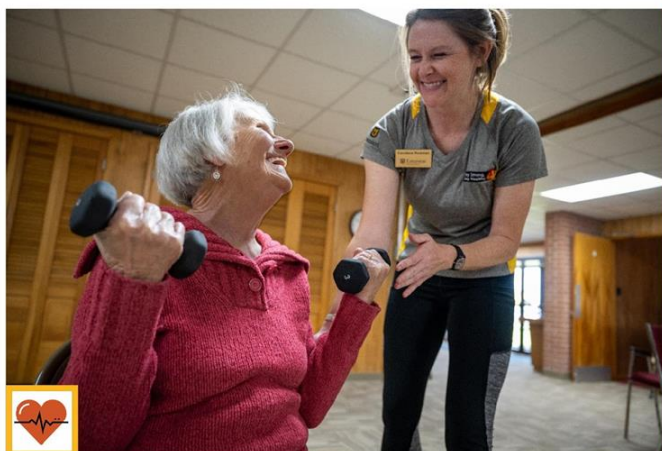


MU EXTENSION **Serves MISSOURI and Delivers MIZZOU** through credible statewide programs **Health and Human Sciences**



Studies show that people with strong family bonds tend to have lower stress levels.

Building Strong Families helps families amplify their strengths, tackle challenges and make confident, informed decisions to build resilient family units.



Stay Strong, Stay Healthy teaches older adults easy yet powerful exercises to boost strength, balance and daily life capabilities. Participants also gain insights into nutrition for healthy aging and active living.

After eight weeks, Stay Strong, Stay Healthy participants significantly IMPROVED their STRENGTH, BALANCE and SLEEP QUALITY.



Mental Health First Aid equips people to recognize and respond to signs of mental illness and substance use disorders.

The youth version of the program is designed to support adolescents ages 12-17 facing mental health or addiction challenges, while the adult version focuses on adults age 18 and older. Participants learn how to offer initial assistance and guide individuals toward the care they need.

In Missouri, approximately 1 MILLION ADULTS and 72,000 ADOLESCENTS suffer from MENTAL HEALTH ISSUES.*

*Missouri Department of Mental Health 2020 Status Report

Legend



Agricultural Growth & Stewardship



Economic Opportunity



Educational Access & Excellence



Health & Well-Being

Henry County

Health and Human Sciences

Local Impact

Kyleigh Brown, Human Development Field Specialist

FOCUS ON KIDS A parenting education class for those who are raising their children in separate households. The class is designed to help parents understand what their children are going through and to see how their co-parenting behaviors, good and bad, impact their children. HDFS Kyleigh Brown taught 3 classes in Henry County to 7 participants. Overall, 57% of Focus on Kids parents reported a positive change for the following statement “I criticize my child’s other parent in front of my child.” 71% of Focus on Kids parents reported a positive change for the following statement “I search for the positive in my child’s other parent and actively point this out to my child. **Quote:** "It gave me a different outlook of trying to have a better co-parent relationship. Like our relationship needs to be the best it can be for our child, we need to put our problems aside." Henry County Participant 2023.

Debbie Dody, Nutrition Program Associate

SNAP-Ed Public Value Statement 2023

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.

A total of 1817 participants were from Henry County.

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.

EFNEP Public Value Statement 2023

The Expanded Food and Nutrition Education Program (EFNEP) brought \$1,626,730 federal funds to Missouri. These funds were used to enroll 526 limited-resource families in nutrition education and meal preparation classes, representing 1,926 family members. Additionally, 1,980 youth were enrolled in EFNEP classes. 66 of these youth and adult participants reside in Henry County.

Participants in EFNEP learn the importance of making healthier meals and snack choices, eating breakfast more often, trying new foods, increasing their physical activity, and making 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.

Henry County

Health and Human Sciences

Local Profiles and Stories

This vital programming effort also reduces healthcare costs over the participant's lifetime, saving taxpayer money in reduced public healthcare benefits and insurance premiums. During 2023, youth and adults were served through direct teaching at schools, community groups and agencies.

The following is an example of some of the locations where participants were served in Henry County:

Schools	Agencies
Clinton Intermediate School	Samaritan Center
Clinton Middle School	Henry County Library - Windsor
State Fair Community College	Clinton Manor Apartments
	Zoe's Home
	Henry County Health Center - Clinton
	Care Connections – Clinton Senior Ctr.
	Deepwater City Hall
	Seventh Day Adventist Church – Clinton
	WCMCAA/Antioch Hills – Clinton

In addition to the numbers, the following success story demonstrates local impact: During KIK during Summer School I had one young male student that was mortified when he found out that we were putting broccoli in the Summer Vegetable Pasta Salad. He said he "just couldn't eat broccoli" because he didn't like it! - so...when he wanted to be picked to cut vegetables, I put him at the broccoli cutting station. When it was time to taste the pasta salad, he said he didn't want to. I encouraged him to try a very small sample that included a piece of each ingredient & told him that if he just ate it all together in one bite that it would be gone before he knew it. Reluctantly, he did....AND he was the first one to come back & ask if he could have "another small sample" - I saw him & his Dad at Wal-Mart a few days later & he ran up to me & said that he now really liked broccoli & he asked if they could buy the ingredients to make that pasta salad at home! I told him I was proud of him for trying it & was so happy that he liked it! His Dad said he was shocked that he had asked to buy broccoli & would gladly purchase it! Win!



Need help stretching your food dollars?

Contact your local resource center or go online to mydss.mo.gov/food-assistance



an equal opportunity/ADA institution

For more nutrition education information call MU Extension's Show Me Nutrition line at 1-888-515-0016.

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Extension

University of Missouri

MU Extension of Henry County
120 E. Lincoln
Clinton, MO 64735

660-885-5556
henryco@missouri.edu



Extension
University of Missouri

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