



UNIVERSITY OF MISSOURI EXTENSION
Perry County

2024 Annual Report

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MIZZOU.**



Extension
University of Missouri

an equal opportunity/ADA institution



Office of Extension
and Engagement
University of Missouri

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December 2024

Dear county commissioners, elected leaders and friends of MU Extension and Engagement,

As we reflect on the past year, I want to express my deep gratitude for your support of MU Extension and for your partnership in enhancing the lives of Missourians.

Your support for MU Extension fuels Missouri's agriculture, strengthens families, prepares our youth and promotes the health, well-being and vitality of our communities. Over the past year, our programs have focused on addressing key needs throughout the state:

- **Expanding access to 4-H:** To make 4-H more accessible, we've introduced more in-school and after-school clubs, reducing barriers and creating opportunities for young Missourians to develop essential skills and leadership abilities.
- **Supporting agriculture and land stewardship:** We're addressing critical issues such as succession planning for family farms, rural mental health, agricultural business management and land stewardship. These initiatives are helping Missouri's farmers plan for the future and preserve the health of our land for future generations.
- **Advancing health initiatives:** Our team of community health field specialists, covering every region of the state, works directly with local leaders to assess health needs and bring UM System resources and expertise to these communities, supporting healthier lives and stronger communities.
- **Promoting economic development:** MU Extension is helping to create economic opportunities by working with individuals, supporting businesses in their growth and collaborating with communities to enhance local vibrancy. Through these efforts, we help bring new jobs, skills and possibilities to Missourians across the state.
- **Providing essential training:** Our continuing education programs prepare Missouri's firefighters and health care workers to meet the demands of their roles with the latest skills and knowledge, ensuring they are well-prepared to serve our communities.

As you read through this annual report, I hope you feel as proud as I do of the accomplishments we've achieved together. The dedication and professionalism of MU Extension's faculty and staff are inspiring, and I am grateful to work alongside them—and each of you—as we make Missouri a stronger, healthier and more vibrant place. Thank you for your continued support and partnership. Together, we are serving Missouri by delivering the University *for* Missouri.

Warm regards,

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

Who we are

Faculty and staff

Stephane Schindler

Extension and Engagement Specialist

Bethany Bachmann

Field Specialist in Nutrition and Health Education

Dianna Koenig

4-H Youth Development Associate

Meg Brandel

Nutrition Program Associate

JoAnn Steffens

Administrative Assistant

Staff serving Perry County

Donna Aufdenberg

Field Specialist in Horticulture

Brad Coleman

Field Specialist in 4-H Youth Development

Sarah Denkler

Regional Director

Terri Fossett

EFNEP Associate Director

Audrey Johnson

Field Specialist in Human Development

Anthony Ohmes

Field Specialist in Agronomy

Reta Reed

FNEP Program Manager

Clayton Skelton

4-H Youth Development Educator

Randy Stephens

Field Specialist in Agricultural Business

Alexis Stumpe

Field Specialist in Livestock

Council members

Shannon Allison, President

Angelia Schuessler, Vice-President

Carol Roth, Secretary

Marsha Buchheit, Treasurer

Garrett Behrle

Hannah Fritsche-Donze

Jennifer Janet

Reagan Mackay

Angie Mezo

MJ Myers

Dana Reinwald

Mark Roth

Natalie Fritsche-Kasten, Appointed

Keith Hoehn, Appointed

David Lohmann, Appointed

Sean Unterreiner, Appointed



County commissioners

Mike Sauer, Presiding Commissioner

Jay Wengert, First District Commissioner

Keith Hoehn, Second District Commissioner

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

Budget and more

Appropriations budget

Income

County Appropriations	52,200
Total Income	52,200

Expenses

Salaries/Benefits	42,191
Travel	3,756
Telephone	1,500
Office Supplies/Service	1,803
Postage	280
Insurance	2,020
Capital Repairs	650
Total Expenses	52,200

Return on investment

University System	142,080
Program Revenue from Outside Resources (grants)	25,087

For every dollar invested by the county, MU invests \$2.85.

MU Extension is a unique 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.



Local Support

Did you know you can donate directly to Perry 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.

Key Outcomes

- ✓ **7,680 total educational contacts by MU Extension**
 - 7,242 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development.
 - 263 contacts related to productive farming, better gardening, and managing natural resources.
 - 92 contacts related to starting businesses, developing community leaders or renewing the local economy.
- ✓ 237 soil samples tested (213 agronomy samples, and 24 horticulture samples.)
- ✓ 1,694 Perry County youth participated in the 4-H Program.
- ✓ Private Pesticide Applicator Training was provided to 31 Perry County residents.
- ✓ 47 Perry County residents participated in Stay Strong Stay Healthy and Tai Chi Classes.
- ✓ Horticulture related classes and programs had a total of 108 registered participants.
- ✓ 59 participants attended a food preservation presentation at a Garden Club meeting.

Perry County Highlights

Feeding Perry County Food Drive

In conjunction with the 4-H Feeding Missouri statewide food drive, and to raise awareness about food insecurity in Perry County the Perry County Extension Council, Perry County 4-H Council, and SNAP-ed ("Supplemental Nutrition Assistance Program-Education) worked together to collect food for three months, targeting a specific healthy foods each month. Posters were made to advertise the project and shared on Facebook with a total of 1,536 post reaches and they were also emailed out to our email lists.

Food collected for this project: February - 435 pounds of meats, beans and peanut butter, March - 204 pounds of fruit and vegetables, and April - 191 pounds of whole grains, oatmeal, pasta, rice, and cereals for a total of 830 pounds of food. The 830 pounds of food donated is equivalent to 996 meals for hungry residents of Perry County.

Perry County Teen Council and other Perry County 4-H Clubs volunteered at other venues packaging food for food distribution centers.

Food was distributed to Immanuel Lutheran Church who reach 125+ families monthly, Ladies of Charity who reach 120-200 families monthly and Perryville United Methodist Church where the food is put into their Little Free Food Pantry. Each organization was also given recipes to be distributed using the items of the month.



Shannon Allison and Stephanie Schindler deliver February donations to Immanuel Lutheran food pantry.



Dianna Koenig delivers March donations to Ladies of Charity food pantry.



Bethany Bachmann delivers April donations to Perryville Methodist Church food pantry.



Nancy O'Brien was the drawing winner for February.



Barb Dudley was the drawing winner for March.



Reid and Olivia Bachmann were the drawing winners for April.

Perry County Highlights

2024 Good Neighbor Week

Missouri's Good Neighbor Week was celebrated September 28 to October 4, 2024. The mission of Perry County Extension was to collect snacks for Perry County Schools. Many teachers in the county purchase snacks for their students out of their own pockets since many families can not afford extra snacks for their children. A hungry child does not concentrate and learn. A mass email was sent out, and posts were made on Facebook advertising our project. All donors received an Eat Smart like a Tiger reusable grocery bag. Donations were received from community members totaling 441 servings. Snacks were distributed to Perry County School District #32.



Good Neighbor Week Snacks Collected

Good Neighbor Week Promotional Flier.

2024 East Perry Community Fair

Each year the Perry County Extension Council sets up a display board at the East Perry Community Fair in September. In 2024 the theme of the display board was "What can Z-O-U do for YOU?" The Extension Council display board was well received. This year there were a record number of people looking at the booth and taking handouts. Very few handouts were brought back to the office. Instead of doing an attendance prize, visitors were given bright yellow Eat Smart Like a Tiger bags and insulated bags. The yellow grocery bags were a huge hit. Over 475 of the bags were given out. There were times there was a line of people waiting for a bag. It was great to see so many yellow Tiger bags on the fair grounds!



East Perry Community Fair Display

Perry County Highlights

Perryville Area Chamber of Commerce Trunk or Treat

Each year businesses in Perryville have a Moonlight Madness event for shoppers and a Trunk or Treat for the children of Perry County. Local businesses stay open late and run sales while businesses and organizations set up a Trunk or Treat around the Perryville Courthouse Square. We participated in this event in conjunction with Missouri's Crunch Off which is a statewide event to celebrate Farm to School Month by crunching into any Missouri grown food October 1 through October 31. Over 800 children were crunching on popcorn after they left the Extension Council's "trunk." To carry out our popcorn theme our "trunk" followed a movie theatre theme. We made big boxes of movie theater popcorn, and theatre curtains with signs enclosing the back of the vehicle. Bethany Bachmann, Field Specialist in Nutrition and Health Education, Meg Brandel, Nutrition Program Associate, and Extension Council members MJ Myers and Shannon Allison were present to hand out popcorn.



Perry County Extension's "Trunk" at the Perryville Area Chamber of Commerce Trunk or Treat

Perryville Area Chamber of Commerce Non-Profit Expo

In connection with the Perryville Area Chamber of Commerce's Fall Membership Meeting in October, the night featured their "Non-Profit Expo" displays. This event gave all non-profit organizations an opportunity to set up a booth to promote and educate members on the services they provide. The Extension Council set up a booth showcasing programs available and had materials and publications available for attendees.



Perry County Extension Council table at the Perryville Area Chamber of Commerce Non-Profit Expo

Perry County Highlights



Display at the 2024 Wellness Expo



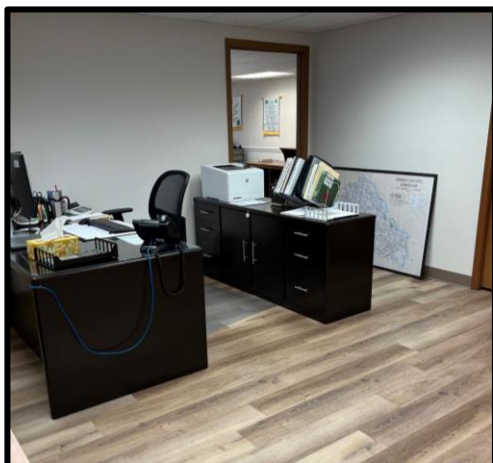
2024 Wellness Expo Attendance Prize

2024 Spring into Wellness Expo

The Spring into Wellness Expo was held on March 2, 2024 at the Perry Park Center. Bethany Bachmann, Field Specialist in Nutrition and Health Education and Stephanie Schindler, Extension Engagement Specialist attended the event to share information and Extension resources. During the event, we shared MU Extension guides on nutritional content of common produce, recipes, gardening, and food preservation. We also held a raffle for all of those who stopped by the table and provided other giveaway items. During the event we had the opportunity to talk with many individuals about MU Extension and programming offered. One community member expressed interest in becoming more involved and running for a position on the Extension Council for 2025.

2024 Perry County Extension Office Remodel

The Perry County Extension Council and staff would like to thank the Perry County Commission for completing the renovation of the Perry County Extension Office and meeting room in 2024. From fixing leaking walls, to the new drywall, flooring, and ceiling tiles, the entire space looks fresh and ready to welcome extension office visitors. We have received many compliments on the updated space and look forward sharing it with more people!



Main Office



Work Room



Meeting Room

Missouri Century Farm

Seven Perry County farms have been recognized as a Missouri Century Farm in 2024.

- The Stanley and Denise Brueckner Family
- The Robert and Michelle Clifton Family
- The Joshua and Charlene Fritsche Family
- The Gary and Beverly Jannin Family
- The Melvin and Carol Kluender Family
- The Gary and Evelyn Pingle Family
- The Robert and Mary Roth Family

Families were presented their certificates during the Annual Farm Bureau Dinner. In 1976, Missouri's Centennial Farm project awarded certificates to persons owning farms that had been in the same family for 100 years or more. The MU College of Agriculture, Food and Natural Resources and MU Extension planned a 10-year update in 1986 called the Century Farm program. Since then, the program has been an annual event, recognizing 134 farms this year.



Fritsche Family



Kluender Family



Brueckner Family



Pingle Family



Roth Family



Clifton Family



Jannin Family

Perry County Highlights

Missouri County State Fair Farm Family – The Buchheit Family

The Tyler and Teresa Buchheit family were among those honored during the 67th annual Missouri Farm Family Day, August 12 at the Missouri State Fair. The Buchheit family was selected as the Missouri County Farm Family by University of Missouri Extension and the local Farm Bureau. Each year, the fair sets aside a day to recognize farm families from across the state that are active in their communities, involved in agriculture, and/or participate in local outreach and extension programs such as 4-H or FFA. The Buchheit children are involved in 4-H showing goats, poultry and rabbits.



Tyler and Teresa Buchheit and family with Missouri State Fair Officials.



Perryville Area Chamber of Commerce

Each year community business and organizations are given the opportunity to sponsor and decorate a table for the Perryville Area Chamber of Commerce Annual Dinner. The Perry County Extension Council did this for the third time in 2024. The table theme was “MIZ-ZOU!” The group that sat at the table was super excited about all their Mizzou and University of Missouri Extension goodies.



Perry County Extension's Table at the Chamber of Commerce's Annual Dinner

Perry Missouri County

Health and Human Sciences

Local Profiles and Stories Bethany Bachmann, Field Specialist in Nutrition & Health Education

In 2024, \$4,000 was received through mini grants from the Perry County Senior Services Tax Commission. This funding was used to provide **Stay Strong, Stay Healthy, Tai Chi, nutrition and gardening** courses in Perry County to residents age 55 and older. Seventy-nine individuals participated in these courses which included forty-nine individuals that completed a 16-session **Stay Strong, Stay Healthy or Tai Chi** course.



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Receive a monthly email link to "The Garden Spade".
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Description
Pears are in season in Missouri from July to late November. Most grocery stores will carry pear varieties from July to March depending on availability. Pears contain a significant amount of fiber, vitamin C, and potassium. Vitamin C is an antioxidant that may play a role in helping reduce the risk of heart disease and certain cancers. Vitamin C also aids in the body's healing process. Potassium helps maintain good blood pressure levels in the body and aids in maintaining proper nerve, muscle, and heart function.

Selecting
When selecting pears, choose those that have a slight give when gently squeezed and a fragrant aroma. Avoid those with blemishes and bruises for best quality. If selecting pears for baking, choose pears that are more firm to the touch.

Storing
Storing pears at room temperature will quicken the ripening process. For long-term storage, pears can be held in the refrigerator for up to three months.

Prepping
Wash pears under cold, running water and gently scrub off any dirt before peeling or cutting pears. Pears can be eaten raw or used in a variety of baked goods.

Recipe of the Month
Maple and Cinnamon Baked Pears

Ingredients:

- 2 medium pears
- 2 tablespoons softened butter, cut into cubes
- 1/2 lemon, juiced
- 1/4 cup pure maple syrup
- 1/4 teaspoon ground cinnamon

Directions:

1. Preheat oven to 375° F.
2. Wash and cut the pears in half. Remove the cores.
3. Place the pears cut side up in a greased baking dish.
4. In a small bowl, combine lemon juice, maple syrup and cinnamon. Brushed evenly over pears. Top with butter.
5. Bake for 15 minutes. Remove the pan from the oven and sprinkle with pecans. Return the pan to the oven for an additional 10 minutes or until tender.

Bethany Bachmann, MU Extension
MU Extension Nutrition and Health Specialist
573 547 4504, bachmannb@missouri.edu

Extension
University of Missouri

Monthly in-season produce highlights were published in **The Garden Spade Newsletter** highlighting selection, storage and preparation of produce item.

27,935 indirect programming and engagement contacts were made through The Garden Spade Newsletter.

Policy, systems, and environment (PSE) change efforts in the community as part of the SNAP-Ed program occurred in the form of a targeted food drive and snack drive in 2024. Both drives had the goal of creating more awareness in the community of nutrient dense food options that can be donated to food pantries and schools for healthy meals and snacks. During the food drive, nutritious and easy recipes were provided to pantries along with the corresponding donated items. **A total of 830 pounds of food was collected during the Feeding Perry County Food Drive and 441 individual servings of snacks were collected during the Snack Drive for local schools.**



Perry Missouri County

Health and Human Sciences

Local Profiles and Stories

Meg Brandel, Nutrition Program Associate

SNAP Education

The Supplemental Nutrition Assistance Program Education (SNAP-Education or SNAP-Ed) brought \$11,145,237 in federal funds to Missouri. The funds support engagement with 74,864 Supplemental Nutrition Assistance Program (SNAP) recipients and eligible citizens of Missouri who learned about being active and healthy eating on a budget. This year we had 1,164,143 indirect educational contacts through newsletters, health fairs, food pantries, and the Show Me Nutrition helpline.

Eighty-eight direct and 300 indirect contacts were made in Perry 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.

Success Story

A third-grade girl made "Fruity Water" at home after our lesson. She told the class that she added fresh strawberries and orange slices to a pitcher of water in the refrigerator overnight and she thought it tasted better than flavored water from the grocery store.



From Left: MJ Myers, Perry County Extension Council Member, Bethany Bachmann, Field Specialist in Nutrition and Health Education, and Nutrition Program Associate, Meg Brandel, working the Crunch Off at the Perryville Trunk or Treat

Perry Missouri County

Missouri 4-H

Local Profiles and Stories

Dianna Koenig, Youth Program Associate



4-H Serving our Communities

Each year, Missouri 4-H collects details on the time dedicated to giving back to our communities. Perry County 4-H members/families gave a total of 10,496 hours of volunteer service to our community! The report only counts the hours passed on to us. So much more happens that goes unrecognized. Additional highlights not captured were contributions to the Ronald McDonald House by the Mighty and Mini Mustangs 4-H Clubs at Altenburg Public Schools and contributions to brighten the days of our elderly.

Exploring Project Areas

Youth exploring interests and ideas in over 30 different 4-H project areas with guidance from 178 adult and youth volunteers. From STEM to livestock to personal development skills, 4-H Achievement Day and the 4-H Fair provided places for youth to participate and grow with 1,146 entries over four days of 4-H shows and contests in July. All proceeds from the 4-H Fair Chicken Dinner went back to youth as a reward for their hard work and creativity in their 4-H project work. The dinner served 899 meals while a record fourteen 4-H entrepreneurs turned their 4-H projects into profit by selling their wares during the event.

Youth Impact at a Glance

The Perry County 4-H Youth Development program had 1694 youth participants in 2024. Youth participated in Community 4-H Clubs, Clover Kid Groups, Special Interest Clubs (SPIN), SNAC-Eating from the Garden, and Afterschool 4-H Clubs at Altenburg Public School plus the School Enrichment Embryology Program held at all schools.

4-H Camp at Peaceful Valley provided an overnight 4-H experience for 55 Perry County youth and adults. A great team of adult volunteers helped make camp possible.



Perry Missouri County

Business and Community

Local Impact

Jennifer Williams, Extension Engagement Specialist

Estate Planning: What's the Worst That Can Happen???

Jennifer R. Williams, JD
University of Missouri Extension

 Extension
University of Missouri

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This class uses the fictional family pictured above to demonstrate the consequences of not having an estate plan.

Jennifer R. Williams, Extension Engagement Specialist, taught an estate planning class in Perry County to **16 adults**, educating them on the importance of completing an estate plan.

“I was unaware of beneficiary deeds in Missouri and will certainly execute such when I update other documents.”

“‘What’s the worst thing that could happen’ is way worse than I ever imagined!”

Perry Missouri County

Agriculture and Environment

Local Impact

Donna Aufdenberg, Field Specialist in Horticulture

Horticulture Programming in the Southeast Region

In 2024, there were 2,072 direct contacts through gardening programs where participants (locally and across the state) engaged in learning through in-person and online programs. Participants learned about vegetable gardening, plant propagation, growing and using culinary herbs, growing specialty crops hydroponically, container gardening, victory gardens, gardening pests and many more topics.



Master Gardeners (47 members from Cape Girardeau, Bollinger, Scott and Perry Counties) completed 2,552 hours valued at \$75,000 given to local communities through beautification, education, and service to others.

In July 2024, youth participated in a three-day camp coordinated by Aufdenberg and Master Gardeners which focused on the senses: smell, taste, see, feel, and hear. Planting, eating, and crafting allowed youth to explore gardening.



MU + SEMO = Hydroponics! Ten students learned to assemble six different units, manage pH and EC, and learned to grow lettuce, cucumbers, and tomatoes. Classes were taught by Aufdenberg.

In addition to providing programming locally for 18 counties in 2024, Aufdenberg participated in state-wide programming through the weekly Garden Hour Webinars, Spring Gardening Webinar, Pest Management Webinar, State-wide Hydroponic Grant, Master Gardener Training, and many more.

Horticulture

/ 'hôrdə ,kælCHər/

Noun 1. the art or practice of garden cultivation and management

1,500+
Participants in
60+ Programs

1,000+
One-on-One
Education
➤ Calls and
Emails
➤ Walk-ins

Top Gardening Requests

Vegetable Gardening • Growing Berries • Planting Fruit Trees • Composting • Soil Testing • Raised Bed Garden • Hydroponics • Planting Shrubs

A monthly Garden Spade Newsletter reaches over 2,300 subscribers every month with a 20% increase in readership during 2024. Subscribe to the garden spade at <https://extension.missouri.edu/counties/cape-girardeau> or click the QR code at the right.



Perry Missouri County

Agriculture and Environment

Local Impact

Anthony Ohmes, Field Specialist in Agronomy

Forage Systems

Diversifying forage systems for greater resilience of the forage supply by implementing the use of warm and cool season forages, perennial and annual grasses, legumes, and forbs to meet the needs of Missouri's diverse livestock segment.

Grazing School teaches Management-intensive Grazing (MiG) methods that improve forage persistence and quality, increasing the number of days of grazing forages in pastures, reducing dependency on hay, while conserving Missouri's natural resources. Twenty-two attended from Southeast and East Central Regions resulting in 95% planned adoption.

Extending the Grazing Season event addressed need of alternative forage crops, sunn hemp for summer and milo for winter grazing. One-on-one direct consultation on forage species, soils tests, nutrients, weeds and insects was provided to 148 individuals across the region.

Pesticide Applicator Training

Integrating pest management methods, protecting the environment, and reducing exposure risk while meeting federal and state requirements for restricted use pesticides. Thirty-two private applicator trainings were offered across the Southeast Region and one aerial commercial applicator training educated 287 private and commercial applicators.



One of 32 PPAT events offered in 2024.



Extending the Grazing Season quote: "Been wanting to plant milo for some time but was not 100% of how it all worked. Feel more comfortable about planting milo now [for winter forage]."

Field Crops and Soils

Increasing Missouri field crop production through education on integrated pest, nutrient, crop, and soil management accomplished through events, soil testing, and one-on-one consultations. Four regional meetings reached 214 individuals. Invited to educate 83 producers on corn ear disease. Individual one-on-one consultation on field crop management reached 141 producers across the region. Soil management including soil tests reached 278 individuals in Perry County.



2024 Rice Meeting. One of 3 commodity meetings offered in SE Missouri.

Missouri Agriculture contributes \$93.7 billion annually to Missouri's economy.*

*Missouri Department of Agriculture 2024 Status Report

Perry Missouri County

Agriculture and Environment

Local Impact

Alexis Stumpe, Field Specialist in Livestock

Show-Me-Select

Show-Me-Select Heifer Replacement Program sold 1,353 heifers in 2024 including operations in Perry County. Sales held in Southeast Missouri totaled \$279,100 for fall calving heifers and \$191,800 for spring calving heifers.

Producers implement total quality management to on farm heifer development and improved their herd management, reproduction, and genetics with retained ownership or market heifers for added income. Buyers improve their herds and experience lower incidence of dystocia and calf or heifer losses.



Livestock Education

Over 100 Perry County citizens were reached through Show Me Quality Assurance (SMQA) programming, farm visits, and producer calls. Covering topics including but not limited to nutrition, reproduction, diseases, heifer quality, herd health, small ruminant herds, and youth education on various livestock topics. Producers can take this knowledge and use it to improve and grow their own operations.

Local Impact

Heather Conrow, Field Specialist in Livestock

Using Ultrasound to Evaluate Carcass Traits

Objective: "To provide objective and quantitative carcass data through ultrasound on livestock for the purpose of genetic improvement for carcass traits."

Real-time ultrasound uses high frequency sound waves to "see inside" while the animal is still alive. This technology allows for a fast and objective prediction of the carcass composition of the market animal.

Carcass traits are moderately heritable and are a good indicator of lean and fat in live animals. Ultrasound allows county fairs to have a carcass class without having to harvest the animals.

Benefits of using real-time ultrasound includes:

- ❖ Objective prediction of carcass lean (muscle) and fat in live animals
- ❖ Objective measure of percent intramuscular fat (marbling) on live cattle
- ❖ Eliminates the expense and time required by progeny testing for carcass merit



"Think of the animal as a Christmas present. The fancy wrapping and pretty bows is the 'show' or how good they look. The real present is the meat we eat inside.

Ultrasound allows us to see inside at the gift without unwrapping the present."

Perry Missouri County

Agriculture and Environment

Local Impact

Mary Sobba, Field Specialist in Agriculture Business

Extension Tax Schools

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 one online school. The schools were designed for those who prepare taxes including enrolled agents, tax preparers, CPAs, individuals, and attorneys.

The 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, related party issues, real estate rental activity issues, limited liability company issues, and international tax 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 3,776 hours.

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

The evaluations had many positive comments and helpful suggestions. Planning is underway to offer trainings in 2025. Local county residents benefit when local tax preparers have the opportunity to gain knowledge, which benefits their clients and communities. The tax schools are a program of the ag business and policy program of MU Extension, coordinated by Mary Sobba, Field Specialist in Agriculture Business, with help from a team of ag business specialists throughout the state.

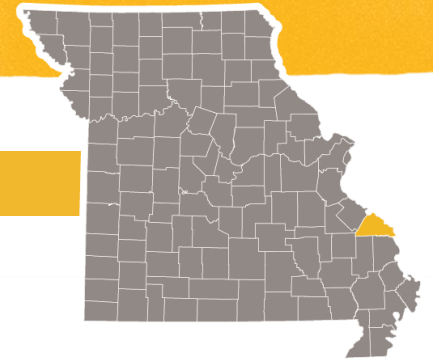
The resources for the schools included the IRS, the National Income Tax Workbook from the Land Grant University Tax Education Foundation, and materials written by the instructors.

The 2024 school attendance totaled three hundred fifty people. The participants were from throughout Missouri.



Two Perry County tax preparers attended the tax schools.

County Partnerships and Sponsors

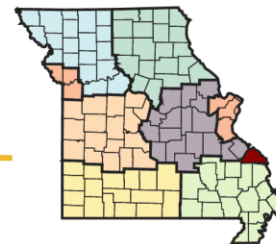


Partners

Perry County Extension Council would like to thank our community partners who help support our programming efforts.

- ✓ Altenburg Public School District #48
- ✓ Caring Corner Daycare
- ✓ City of Perryville
- ✓ East Perry Community Fair
- ✓ FCS Financial
- ✓ Gibson Recovery Center
- ✓ Growing Tree Daycare
- ✓ Immanuel Lutheran Church Food Pantry
- ✓ Immanuel Lutheran School
- ✓ Ladies of Charity Food Pantry
- ✓ M&M Kids Kampus Daycare
- ✓ Mercy Hospital Perry
- ✓ Options for Women
- ✓ Perry County Commissioners
- ✓ Perry County Farm Bureau
- ✓ Perry County Head Start
- ✓ Perry County Health Department
- ✓ Perry County Pork Producers
- ✓ Perry County School District #32
- ✓ Perry County Senior Tax Board
- ✓ Perry County Youth Tax Board
- ✓ Perryville Area Chamber of Commerce
- ✓ Perryville Methodist Church
- ✓ Perryville Methodist Church Food Pantry
- ✓ Perryville Senior Center
- ✓ Riverside Regional Library
- ✓ St. Vincent DePaul Schools

Missouri Grand Challenges: Local Solutions



PERRY 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

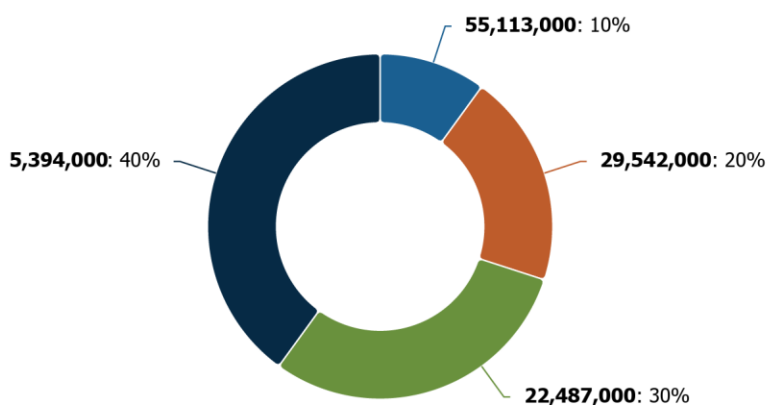
Knowing Local Challenges



CHALLENGE 1: Economic Opportunity: Agricultural Economics

Leading Agricultural Products

Total Rank (Sales): \$10



Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2022.

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 \$37,186,000 in 2017, an average of \$50,525 per farm. This is below the statewide average farm income of \$56,606.

Report Area	Total Farms	Average Farm Income
Perry	736	\$50,525
Missouri	87,887	\$56,606

Data Source: US Department of Agriculture, National Agricultural Statistics Service, [Census of Agriculture](#). 2022.



CHALLENGE 2: Educational Access and Excellence: *Early Childhood Education*

Access to Early Childhood Education

Head Start is an early childhood education program for at-risk children through age 5. Families utilizing Head Start have better success meeting developmental goals and achieving economic stability. In 2018, there were 1 Head Start programs in the report area, or 9.15 per 10,000 population. Access to head start is lower in this area than in the state.

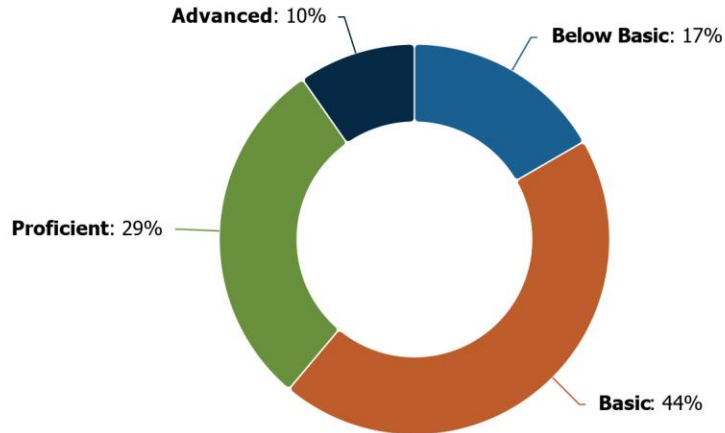
Head Start Programs, Rate (Per 10,000 Children Under Age 5)



Data Source: US Department of Health & Human Services, [HRSA - Administration for Children and Families](#). 2024.

English Language Arts Proficiency

Starting in the 4th grade, public schools emphasize proficiency in reading and reading comprehension. The ability to comprehend becomes the foundation to find and process information in later years and it is important to prevent children from falling behind. Of the 151.00 fourth graders tested in 2018, the known total number of students who had a basic level of English Language Arts was 64.00. The number tested as below basic was 24.00, basic was 64.00, proficient was 42.00, and advanced was 14.00.



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



CHALLENGE 3: Healthy Futures: *Healthy Aging*

Fall Injuries

Falls are the leading cause of injury-related fatality and hospitalization among older adults in the United States. Between 2013 and 2015, adults over age 65 in the report area had 815 hospital or emergency room admissions for fall and jump-related injuries. The rate of these injuries was 7,298 per 100,000 population, which is higher than the state rate of 5,396. Falls hospitalizations have improved since the 2001-03 time period when the rate was 8,173.

Rate per 100,000, 2019-2021



Data Source: US Department of Health & Human Services, [Missouri Department of Health & Senior Services](#). 2019-2021.

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 7 primary care physicians (MDs and DOs) to serve the area's 3,772 residents over the age of 65. The patient-provider ratio in the report area is 539:1, which means there is 1 provider for every 539 older adults. The ratio of adults to providers in the report area is higher than the state average of 250:1, which means there are fewer providers per person in this area.

Rate per 100,000 Seniors



Data Source: US Department of Health & Human Services, Health Resources and Services Administration, [HRSA - Area Health Resource File](#). 2021.

Perry County



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UM System Footprint in the county in 2024



FY24 county students

68 students

- 59 Undergraduates
- 9 Graduate and professional students
- 59 Full-time students
- 9 Part-time students
- 19 Pell grant recipients (aid year 2024)



County employees and retirees

7 people employed by UM

- 7 Campuses

1 UM retiree or beneficiary

UM salary and retirement income:

\$293,008

UM state tax revenue: \$9,365

UM federal tax revenue: \$41,549



County alumni

Selected school alumni

- 12 Medicine
- 15 Nursing
- 26 Health Professions
- 8 Dentistry
- 1 Pharmacy
- 1 Optometry
- 4 Veterinary Medicine
- 53 Agriculture
- 93 Engineering
- 11 Law

Alumni teaching K-12

- 6 teachers
- 3.4% of all district teachers
- 2 principals and administrators
- 16.7% of all district principals and administrators



County breakdown

MU

- 40 students
- 215 alumni
- 5 employees

UMKC

- 5 students
- 23 alumni
- 2 employees

Missouri S&T

- 22 students
- 81 alumni
- 0 employees

UMSL

- 1 student
- 65 alumni
- 0 employees



County properties and offices

MU Extension in: Perry County



County population: 18,947



County services provided

Health care (FY24)

- 27 in-state patients seen at MU Health Care, with \$13,135 of uncompensated care
- 1 in-state patient seen at UMKC School of Dentistry with a statewide average of \$52.57 per patient in uncompensated care
- MU Health Care's Missouri Telehealth Network recorded 11 visits to 5 patients having ZIP codes associated with the county

Extension (2023)

- 7,680 Total educational contacts from MU Extension to residents of the county, including:
- 263 contacts related to productive farming, better gardening, and managing natural resources
- 7,242 contacts related to healthy eating and aging, strengthening families, personal finance, or youth development
- 92 contacts related to starting businesses, developing community leaders, or renewing the local economy

Perry County



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UM System Statewide Footprint

Economic and Community Development Highlights

- In FY23, Business Development Specialists worked with small businesses and entrepreneurs statewide to create or retain 98,527 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 FY18 and FY23, UM System brought Missouri more than \$1.58 billion in federal and private research funds, funded primarily from outside the state, but spent within the state.



In FY24, UM System was issued 29 patents and filed 69 new U.S. patent applications.

- In FY24, the UM System awarded 707 design and construction project contracts throughout Missouri, for a total investment of \$287.3 million in the state.



In FY24, to improve access to medical and health related services, MU Health Care's Missouri Telehealth Network's Show-Me ECHO program provided 16,687 hrs of case-based instruction to 3,113 learners located in 105 of 114 Missouri counties and the city of St. Louis.

Education and Training Provided



40,542 police, fire fighters, and medical professionals attending continuing education (2023)



Agriculture and natural resource programs served 369,077 farmers and related businesses (2023)

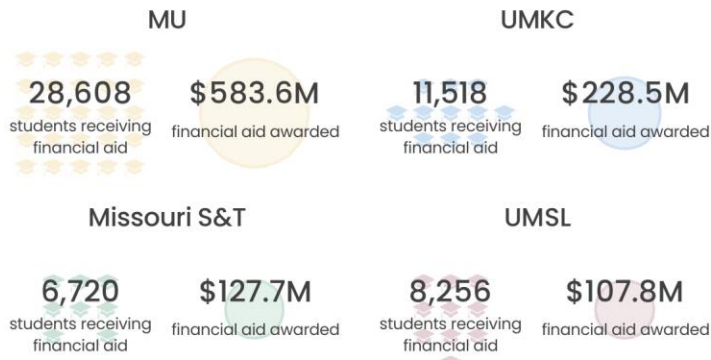


210,577 youth and stakeholder educational contacts in 4-H clubs, schools, camps and other programs (2023)

Education Highlights

FY24 Financial Aid Awards

In FY24, 69.7% of the UM System's 79,014 students received financial aid totaling \$1.048 billion



UM System's MOREnet (Missouri Research and Education Network) provides internet connectivity, access, support and training to 58 higher education institutions (230,000 students), 484 K-12 school districts (830,000 students) and 134 public libraries (serving nearly 3 million Missourians) in 2023.

- UM System awarded 50.5% of the 31,689 Bachelor's or higher degrees awarded by Missouri four-year public institutions in 2023-24.
- UM System awarded 35.0% of the 1,776 research doctorates and 26.8% of the 3,796 professional doctorates awarded by Missouri public and not-for-profit private institutions in 2023-24.
- In FY24, UM System's \$30.7 million in National Science Foundation (NSF) grants represented 96.9% of all NSF grants made to Missouri public colleges and universities.
- In 2024, over 12,400 Missourians accessed mobroadband.org, part of the UM System Broadband Initiative which helped the statewide build-out of high-speed internet infrastructure.

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 2024, 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

